Avizat Școala Doctorală Ingineria Sistemelor Biotehnice

ANEXA 4d

FIŞA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE DE ABILITARE NECESARE ŞI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN INVATAMANT SUPERIOR SI A GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE, OMENCS 6129/2016, COMISIA CNATDCU 17. INGINERIE MECANICĂ, MECATRONICĂ ȘI ROBOTICĂ

CANDIDAT GIGEL PARASCHIV, Profesor,
Departamentul de Sisteme Biotehnice, Facultatea de Ingineria Sistemelor Biotehnice

Condiţii	**Îndeplinire condiţii**
A. Doctor	**Diplomă de Doctor** în domeniul Inginerie Mecanică (Seria C, Nr. 0003027) Nr. 102 din 09.09.2002 emisă de Universitatea Politehnica din București Nr. ordin 4198 din 29.07.2002 emis de Ministerul Educației și Cercetării
B. Îndeplinirea standardelor minime aprobate conform art. 156 alin. (1) lit. (a) din Legea Învățământului Superior nr. 199/2023	Standarde îndeplinite, conform Comisiei CNATDCU Nr. 17, Inginerie Mecanică, Mecatronică și Robotică. Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minimale specifice domeniului, în acord cu realizările menționate

Condiţii minimale obligatorii pe subcategorii				
Domeniu activităților		**Indicatori**	**Minim prevăzut**	**Realizat**
A1. Activitatea didactică şi profesională	**A1.1**	**N1**	2	**8**
		N1.1	1	3
		N1.2	-	5
		N1.3	1	4
	A1.2	**N2**	4	**14**
		N2.1	2	5
		N2.2	-	4
		N2.3	-	5
A2. Activitatea de cercetare	**A2.1+A2.3**	**P1+P2**	10	**86.309**
		P1	6	83.716
		P2	-	2.59
	A2.2	**N3**	10	**82**
		N3.1	5	10
		N3.2	-	72
	A2.4+A2.5	**N4**	2	**27**
		N4.3	1	3
A3. Recunoaşterea şi impactul activităţii	**A3.1**	**S1+S2**	50	**112.443**
	A3.2	**N5**	10	**23**
	A3.3	**C**	25	**3319.067**

C. Atestarea studiilor (diploma + supliment diplomă) si a altor realizari profesionale	**Diplomă de Inginer,** specializarea Construcții de mașini agricole, în domeniul Inginerie Mecanică (Seria J, Nr. 5600) nr. 5600 din 29.06.1992 emisă de Institutul Politehnic din București. Foaia Matricolă anexă la diploma de inginer .

Subsemnatul Gigel PARASCHIV, Departamentul de Sisteme Biotehnice, Facultatea de Ingineria Sistemelor Biotehnice, din Domeniul de Studii Universitare Inginerie Mecanică, Ordin 6129/2016 arondat Comisiei de Specialitate CNATDCU Nr 17. Ingineri mecanică, Mecatronică și Robotică, declar pe propria răspundere, cunoscând prevederile art. 326 Cod Penal privind falsul în declarații, că sunt îndeplinite toate Standardele minimale prevăzute de Metodologia POLITEHNICA București pentru înscrierea la concurs, în momentul înscrierii la concurs și susțin veridicitatea informațiilor prezentate în dosar și în materialul de mai sus. Lucrările considerate a fi indexate WoS [ISI] sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la această dată.

Candidat,	**Semnătura,**	**Data**
PARASCHIV Gigel		**18.12.2025**

ÎN CONTINUARE: Fișa de calcul și de susținere a îndeplinirii standardelor minimale specifice domeniului, în acord cu realizările menționate la punctul B

FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE DE ABILITARE NECESARE ŞI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN INVATAMANT SUPERIOR SI A GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE, OMENCS 6129/2016, COMISIA CNATDCU 17. INGINERIE MECANICĂ, MECATRONICĂ ŞI ROBOTICĂ

Candidat: Prof.dr.ing. PARASCHIV GIGEL
Departamentul de Sisteme Biotehnice
Facultatea de Ingineria Sistemelor Biotehnice
Universitatea Naţională de Ştiinţă şi Tehnologie POLITEHNICA Bucureşti

1	**Activitatea didactica si profesionala - DID (A1)**			
	A.1.1. Manuale suport de curs (conform fisei disciplinei de concurs)			
	Format tiparit/electronic[1] (min. 100 pag.)			
	Coordonator/prim autor N1.1			**1**
1	**Paraschiv G.,** Sisteme de acţionare, Editura Printech, Bucureşti, 141 pag., 2004, ISBN 973-652-917-7. *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-03663?func=full-set-set&set_number=000085&set_entry=000011&format=999*	1		
2	**Paraschiv G.**, Toma L., Mușuroi G., Manea M., Sisteme de acționare a mașinilor și instalațiilor, Editura Printech, București, 188 pag., 2008, ISBN 978-606-521-185-8. *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-03669?func=full-set-set&set_number=000085&set_entry=000013&format=999*	1		
3	**Paraschiv G.,** Mușuroi G., Becheanu D., Acționarea hidraulică a mașinilor agricole. Elemente componente ale sistemelor hidraulice, Editura Printech, București, 106 pag., 2000, ISBN 973-652-080-3. *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-02955?func=full-set-set&set_number=000085&set_entry=000003&format=999*	1		
	N1.1	**3**	**Obligatoriu**	**1**
	Co-autor N1.2			
1	C. Covaliu, **G. Paraschiv**, Procese biochimice în ingineria mediului, Editura Printech, 2014, 200 pagini, ISBN 9786062303365 *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-03690?func=full-set-set&set_number=000085&set_entry=000019&format=999*	1		
2	C. Covaliu, E. Matei, **G. Paraschiv**, A. Predescu, Metode de analiză a calității apelor, ISBN 978-606-23-0329-7, 2014, 108 pagini. *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-03687?func=full-set-set&set_number=000085&set_entry=000018&format=999*	1		
3	C. Covaliu, E. Matei, **G. Paraschiv**, Ecologie și protecția mediului, Editura Printech, 2014, 150 pagini, ISBN 9786062303372 *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-03684?func=full-set-set&set_number=000085&set_entry=000017&format=999*	1		
4	Vintilă M., Simion Cr., **Paraschiv G.**, Manole M., Mașini și utilaje în industria alimentară, Editura CERMAPRINT, București, 228 pag., 2007, ISBN 973-7667-57-3. **(atasata la dosar)**	1		
5	Păunescu I., **Paraschiv G.**, Instalații pentru reciclarea deșeurilor, Editura AGIR, București, 132 pag., 2006, ISBN 973-720-109-4. *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-02952?func=full-set-set&set_number=000085&set_entry=000002&format=999*	1		
	N1.2	**5**		
	Format electronic disponibil pe platforma universitatii/departamentului (autor) N1.3			**1**
1	**Paraschiv G**., Sisteme de acționare a mașinilor și instalațiilor - Suport de curs, platforma Moodle, https://curs.upb.ro/2025/course/view.php?id=184	1		
2	**Paraschiv G.,** Mașini pentru agricultură I/ Sisteme Biotehnice avansate I- Suport de curs, platforma Moodle, https://archive.curs.upb.ro/2024/course/view.php?id=8896	1		
3	**Paraschiv G.,** Ingineria și managementul mediului - Suport de curs, platforma Moodle https://curs.upb.ro/2025/course/view.php?id=1665	1		
4	**Paraschiv G.**, Managementul Proiectelor – Suport de curs, platforma Moodle https://curs.upb.ro/2025/course/view.php?id=263	1		
	N1.3	**4**	**Obligatoriu**	**1**
	N1=N1.1+N1.2	**8**	**Obligatoriu**	**2**
	A1.2. Material didactic/Dezvoltare laboratoare, aplicatii			**4**
	Standuri laborator(constructie/modernizari) certificate de directorul de departament			**2**
1	Instalație de capacitate mică pentru obținerea biogazului din biomasă	1		
2	Presa verticală pentru deșeuri HSM V 605	1		
3	Mașina de tocat resturi vegetale Viking GE 150	1		
4	Mașina de tocat resturi vegetale Scorpion SD 160	1		
5	Sistem pentru irigare	1		
	N2.1	**5**	**Obligatoriu**	**2**
	Indrumar laborator/carte aplicatii format tiparit sau electronic (autor, co-autor)			
1	**Paraschiv G.,** Paraschiv I., Niță A., Mașini de lucrat solul, semănat și întreținere a culturilor, Editura Printech, ISBN 973-718-374-6, București, 130 pg., 2005, *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-02969?func=full-set-set&set_number=000085&set_entry=000008&format=999*	1		
2	**Paraschiv G**., Mușuroi G., Sisteme de acționare. Culegere de probleme, Editura Printech, București, 107 pag., 2005, ISBN 973-718-245-6. *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-03666?func=full-set-set&set_number=000085&set_entry=000012&format=999*	1		
3	Becheanu D., **Paraschiv G**., Mușuroi G., Cunoașterea automobilului. Motorul și accesoriile sale, Editura Printech, București, 171 pag., 1999, ISBN 973-9475-76-0. *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-03693?func=full-set-set&set_number=000085&set_entry=000020&format=999*	1		
4	Dilea T., Becheanu D., **Paraschiv G**., Mașini de recoltat. Combine autopropulsate pentru recoltat cereale păioase, Editura Printech, București, 116 pag., 1998 (atasata la dosar)	1		
	N2.2	**4**	**Obligatoriu**	**-**
	Aplicatie informatica educationala			
1	Pachete de programe pentru simularea și proiectarea pe calculator a frezelor agricole	1		
2	Modele matematice pentru optimizarea proiectării nivelatoarelor	1		
3	Sistem CAD de asistare – simulare mașini agricole și tractoare ASIMAT	1		
4	Bibliotecă de organe de mașini specifice domeniului de mecanică agricolă în limbajele AutoLISP și AutoCAD	1		
5	Programe pentru simularea și proiectarea pe calculator a suprafețelor active ale trupițelor cu cormană	1		
	N2.3	**5**	**Obligatoriu**	**-**
	N2=N2.1+N2.2+N2.3	**14**	**Obligatoriu**	**4**
2	**Activitatea de cercetare stiintifica, dezvoltare tehnologica si inovare -CDI (A2)**			
	A.2.1. Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS)[2], unde n =nr.de autori si FI este factorul de impact [3]			**10**
	Autor corespondent/prim autor			
	n<=3			
1	Moiceanu G., **Paraschiv G.,** Digital Twin and Smart Manufacturing in Industries: A Bibliometric Analysis with a Focus on Industry 4.0, Sensors, vol. 22(4), art. No. 1388, 2022, **F.I.=3.847**, DOI10.3390/s22041388. **categoria Q2, WOS:000769499200001.**	8.094		
2	**Paraschiv G**., Dobrotă D., Research On Deformations Which Appear In Within The Metal Structures Of Mining Equipment, Metalurgija, 2014, Vol. 53 Issue 4, pag. 657-660, ISSN 0543-5846. **categoria Q4, F.I.=0,959**, http://hrcak.srce.hr/122215?lang=en, **WOS:000335807600060**	2.318		
	P1.1	**10.412**	**Obligatoriu**	**-**
	n>=4			
1	**Paraschiv G.,** Ferdes M., Ionescu M., Moiceanu G., Zabava B.S., Dinca M.N. Laccases-Versatile Enzymes Used to Reduce Environmental Pollution, Energies, vol. 15 (5), art. no. 1835, 2022, **categoria Q3, F.I.=3.252, DOI10.3390/en15051835. WOS:000768534900001.**	3.452		

2	**Paraschiv G.,** Moiceanu G., Voicu Gh., Chitoiu M., Cardei P., Dinca M.N., Tudor P., Optimization issues of a hammer mill working process using statistical modelling, Sustainability, vol. 13(2), Art. No. 973, 2021, DOI: 10.3390/su130209973, eISSN: 2071-1050, **categoria Q2, WOS:000611772900001, F.I. = 3.251**	2.958		
3	Ercan U.; Ermiş S.; Kabas O.; Öktem G.; Kabas A.; **Paraschiv G**. Identification and Classification of Snack-Type Watermelon (Citrullus lanatus) Genotypes Using Seed Morphology and Machine Learning Techniques. Foods 2025, 14, 4069. https://doi.org/10.3390/foods14234069, **F.I. = 5.1, categoria Q1, WOS:001635234500001 (autor corespondent)**	5.3		
4	Dincă M.-N.; Ferdeș M.; Zăbavă B.-Ș.; Ionescu M.; Moiceanu, G.; **Paraschiv G.** Effective Valorization of Anaerobic Digestate—A Sustainable Approach to Circular Economy. Appl. Sci. 2025, 15, 8939. https://doi.org/10.3390/app15168939, **F.I, = 2.5 categoria Q2, WOS:001557245400001 (autor corespondent)**	2.7		
5	Ercan U; Sonmez I; Kabas A; Kabas O; Zyambo BC; Gölükcü M; **Paraschiv G**, Quantitative Assessment of Brix in Grafted Melon Cultivars: A Machine Learning and Regression-Based Approach,FOODS, 2024, Volume13, Issue 23, nr. 3858, DOI10.3390/foods13233858, **WOS:001377627600001, F.I. = 4.7, categoria Q1, (autor corespondent)**	4.2		
6	Cujbescu D., Nenciu F., Persu C., Găgeanu I., Gabriel G., Vlăduț N.V., Matache M., Voicea I., Pruteanu A., Bularda M., **Paraschiv G.**, Boruz S.P. Evaluation of an Optical Sorter Effectiveness in Separating Maize Seeds Intended for Sowing, APPLIED SCIENCES-BASEL, vol. 13(5), art. no. 8892, 2023, **F.I.2023=2.5**, DOI10.3390/app13158892, **categoria Q2, WOS:001046157900001 (autor corespondent)**	1.35		
7	Moiceanu A.D., Moiceanu G., **Paraschiv G**., Cristea M., Satellite imagery usage in agriculture. Case study/ Utilizarea imaginilor satelitare in agricultura. Studiu de caz. INMATEH-AGRICULTURAL ENGINEERING, 2024, vol. 72(1), pp. 765-774, (F.I.=0.6), ISSN 2068-4215 DOI10.35633/inmateh-72-68, **categoria Q4, FI=0.7, WOS:001230134900002 (autor corespondent)**	1.35		
	P1.2	**21.31**	**Obligatoriu**	**-**
	Co-autor			
	n<=3			
1	Bercu A.M., **Paraschiv G.**, Lupu D., Investigating the Energy–Economic Growth–Governance Nexus: Evidence from Central and Eastern European Countries, Sustainability 2019, 11(12), 3355; **https://doi.org/10.3390/su11123355**, Special Issue Resilient Infrastructure Systems and Sustainable Economic Growth, **categoria Q2**, **WOS:000473753700125, F.I.= 2.576.**	2.776		
4	Rusanescu M., Rusanescu C.O., **Paraschiv G.,** Analysis of atmospheric pollutants in Bucharest in correlation with meteorological parameters, Revista de Chimie, vol. 69 (8), pp. 2005-2011, 2018, ISSN: 0034-7752, **F.I. = 1.605,** http://www.revistadechimie.ro/pdf/17%20RUSANESCU%20M%208%2018.pdf, **categoria Q3, WOS:000444602300017**	1.805		
5	Petrescu V., **Paraschiv G**., Dobrotă D., The optimization of welding regime parameters at shielded metal arc welding (SMAW) by mathematical modelling, Metalurgija, Vol. 55 (2), 2016, pp. 217-220, Print ISSN: 0543-5846, Online ISSN: 1334-2576, **F.I.=1,196, categoria Q4, WOS:000372343600019.**	1.396		
6	Cantaragiu A.-M., Fetecau C., **Paraschiv G.**, Effect of carbon nanotubes concentration on creep behaviour of polypropylene-carbon nanotubes nanocomposites, Materiale Plastice, 52(1), 2015, pp.69-74, ISSN 0025-5289, **categoria Q4, F.I= 0.903, WOS:000351194900018**	1.103		
7	Sebeșan I., **Paraschiv G**., Zaharia I., Test determination of mechanical characteristics for rubber plates used at K railway fastening system, Materiale Plastice, nr.3, 2012, ISSN 0025 / 5289, **categoria Q4, (F.I. = 0.379), WOS:000309699300012**	0.579		
	P1.3	**7.659**	**Obligatoriu**	**-**
	n>=4			
1	Ionescu M., Dincă M.N., Ferdeș M., Zăbavă B.Ș., **Paraschiv G.**, Moiceanu G. Proteins from Edible Mushrooms: Nutritional Role and Contribution to Well-Being. Foods. 2025; 14(18), art no. 3201. https://doi.org/10.3390/foods14183201, **F.I.=5.1, categoria Q1, WOS:001581055700001**	2.65		
2	Purdea L., Rusanescu C.O., **Paraschiv G.,** Biris S.S., Balanescu S.M. Assessment of the potential use of ash from the incineration of wastewater treatment sludge in cement composition. Revista Romana de Materiale - Romanian Journal Of Materials. 2025, vol. 55(3), pp. 271-279, ISSN 1583-3186**, F.I.=0.65, categoria Q4, WOS:001601207000011**	0.51		
3	Ciobanu M; Rusanescu C.O.; **Paraschiv G.**; Dinculoiu R.; Cernat M.M. PHYSICAL AND CHEMICAL METHODS OF PRETREATMENT OF LIGNOCELULOSIC BIOMASS, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE, 2025, Volume 87, Issue1, Pag. 237-245, **WOS:001461069200013, F.I. 0,3, categoria Q4**	0.3		
4	Covaliu L.D.; Paun I.; Iancu V.I.; Matei E.; Teodorescu R.; Tudor V; **Paraschiv G.;** Covaliu-Mierla, C.I. ECOLOGICAL TREATMENT OF WASTEWATER CONTAINING A CATIONIC SURFACTANT POLLUTANT, SCIENTIFIC PAPERS-SERIES E-LAND RECLAMATION EARTH OBSERVATION & SURVEYING ENVIRONMENTAL ENGINEERING, 2024, Vol.13, Pag. 698-705, **WOS:001335679300002, F.I = 0.6, categoria Q3**	0.1875		
5	Visan A., Ciurcan I., **Paraschiv G.,** Biris S.S., Pirvu F., Covaliu-Mierla C.I. APPLICATION OF TIO2 FOR THE REMOVAL OF BENZYL DIMETHYL DODECYL AMMONIUM CHLORIDE (DDBAC) FROM WASTEWATER, REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS, 2024, Vol. 54, Issue 2, Pag. 113-117, **WOS:001424434700004, F.I. = 0.4, categoria Q4**	0.3		
6	Constantin G.A.; Munteanu M.G.; Voicu G.; **Paraschiv G**.; Ștefan E.M. An Analysis of Air Flow in the Baking Chamber of a Tunnel-Type Electric Oven. Computation, 2023, 11(12), 236; **(F.I. 2023 = 1.9)** https://doi.org/10.3390/computation11120236, **WOS:001130775800001, categoria Q2**	1.05		
7	Ciucă V.C.; Safta V.V.; Rusănescu C.O.; **Paraschiv G.**; Deák G.; Ilie M.; Cănănău S. Rapid Environmental Impact Assessment of Penicillin G in a Veterinary Product Using an Original Software Method and Monitoring by SPE-Online-UHPLC-MS/MS. Molecules, 2023, vol. 28(17), art. no. 6227, **F.I.=4.2, categoria Q2,** https://doi.org/10.3390/molecules28176227, **WOS:001062689300001**	1.886		
8	Diaconu L.I., Covaliu-Mierla C.I., Paunescu O., Covaliu L.D., Iovu H., **Paraschiv G.**, Phytoremediation of Wastewater Containing Lead and Manganese Ions Using Algae, Biology-Basel, Vol. 12, Iss. 6, art No 773, 2023, DOI10.3390/biology12060773, **WOS:001016947300001, categoria Q1, F.I. = 3.6**	1.9		
9	Ferdeș M., **Paraschiv G.,** Ionescu M., Dincă M.N., Moiceanu G., Zăbavă B.S. Anaerobic Co-Digestion: A Way to Potentiate the Synergistic Effect of Multiple Substrates and Microbial Diversity. Energies, vol. 16(5), art. No. 2126, 2023, **F.I.=3.2, categoria Q3, WOS:000947526100001,** https://doi.org/10.3390/en16052116.	1.7		
10	Vlăduț N.V., Biriș S.Șt., **Paraschiv G.**, Ungureanu N., Bungescu S.T., Voicea I., Cujbescu D., Găgeanu I., Laza E., Popa L.D., Matei Gh., Lateș D., Atanasov At., Considerations regarding the effects of shocks and vibrations on operators of self-propelled agricultural equipment, INMATEH – Agricultural Engineering, vol. 71 (3) / 2023, pp. 843-856, (**IF: 0,7**); ISSN 2068-4215, DOI: https://doi.org/10.35633/inmateh-71-74, **WOS:001165595900002**, **categoria Q4**	0.208		
11	Moiceanu G., Dinca M.N., Chițoiu M., **Paraschiv G.**, Cristea O., Romanian biomass pellet market - techno - economic analysis, INMATEH – Agricultural Engineering, vol. 71 (3) / 2023, pp. 882-890, (**IF: 0,7**); DOI: https://doi.org/10.35633/inmateh-71-77, **WOS:001165595900001, categoria Q4**	0.540		
12	Ferdes M., Zăbavă B.S., **Paraschiv G.,** Ionescu M., Dincă M.N.; Moiceanu G. Food Waste Management for Biogas Production in the Context of Sustainable Development. Energies, vol. 15 (17), art. no. 6268, 2022. **F.I.=3.252, categoria Q3** , https://doi.org/10.3390/en15176268. **WOS:000852854000001.**	1.726		
13	Pirvu F., Covaliu – Mierla C.I., Paun I., **Paraschiv G.,** Iancu V., Treatment of Wastewater Containing Nonsteroidal Anti-Inflammatory Drugs Using Activated Carbon Material, Materials, vol. 15(2), art. No. 559, 2022, **F.I.= 3.748, categoria Q2,** DOI10.3390/ma15020559. **WOS:000783729000001**	2.369		
14	Covaliu – Mierla C.I., Matei E., Stoian O., Covaliu L., Costandanche A.C., Iovu H., **Paraschiv G.** TiO2-Based Nanofibrous Membranes for Environmental Protection, Membranes, vol. 12 (2), art. No. 236, 2022, **F.I.= 4.562, categoria Q2,** DOI10.3390/membranes12020236. **WOS:000763242300001.**	2.041		
15	Rusanescu C.O., Voicu G., **Paraschiv G.,** Begea M., Purdea L., Petre I.C., Stoian E.V. Recovery of Sewage Sludge in the Cement Industry, Energies, vol. 15 (7), art. No. 2664, 2022, **F.I.=3.252, categoria Q3 ,** DOI 10.3390/en15072664, **WOS:000781808300001.**	1.479		
16	Rusanescu C.O., Rusanescu M., Voicu G., **Paraschiv G.,** Biris S.S., Popescu I.N., The Recovery of Vermicompost Sewage Sludge in Agriculture. Agronomy – Basel, vol. 12(11), art. no. 2653, 2022, **F.I. = 3.949, categoria Q1.** DOI 10.3390/agronomy12112653. **WOS:000880687800001.**	2.075		
17	Stoian O.; Covaliu C.I.; **Paraschiv G.;** Catrina (Traistaru) G.-A.; Nita-Lazar M.; Matei E.; Biris S.S.; Tudor P. Magnetite Oxide Nanomaterial Used for Lead Ions Removal from Industrial Wastewater. Materials 2021, vol. 14(11), Art. no. 2831. https://doi.org/10.3390/ma14112831, **WOS:000660259000001, F.I. = 3.623, categoria Q2**	1.434		
18	Covaliu C.I., Matei E., Stoian O., **Paraschiv G.** Magnetic nanocomposite material containing chitosan polymer used in wastewater depollution processes, Materiale Plastice, 57(4), pp. 70-76, 2021, **WOS:000617344900007, F.I. 0.593, categoria Q4.**	0.595		
19	Covaliu C.I., Stoian O., Matei E., **Paraschiv G.,**Tanasa E., Catrina G.A. Research on copper ions removal from wastewater using Fe3O4 and Fe3O4-PVP hybrid nanomaterials, Materiale Plastice, vol. 58(1), pp. 154-166, ISSN 0025-5289, 2021, DOI 10.37358/MP.21.1.5455., **WOS:000691214700002, F.I. 0.593, categoria Q4**	0.397		
20	Cujbescu D., Găgeanu I., Persu C., Matache M., Vladut V., Voicea I., **Paraschiv G.,** Biris S.St., Ungureanu N., Voicu Gh., Ipate G., Simulation of sowing precision in laboratory conditions, Applied Sciences (Switzerland), vol. 11(14), 2021, art no. 6264, DOI 10.3390/app11146264, ISSN 20763417, eISSN 2076-3417, **WOS:000675989600001, F.I. 2.838, categoria Q2.**	0.829		
21	Ferdeș M., Dincă M.N., Moiceanu G., Zăbavă B.Șt., **Paraschiv G**., Microorganisms and Enzymes Used in the Biological Pretreatment of the Substrate to Enhance Biogas Production: A Review, Sustainability 2020, 12 (17), 7205, Special Issue Sustainable Environment and Renewable Energy Studies; doi:10.3390/su12177205, **WOS 000469518700025**, **F.I.= 2.576, categoria Q2**	1.665		

22	Oprea F., Onofrei M., Lupu D., Vintila G., **Paraschiv G.**, The determinants of economic resislience. The case of Eastern European Regions, Sustainability 2020, Vol. 12, Issue 10, 4228, doi:10.3390/su12177205, **WOS:000543421400286**, **F.I.= 2.576, categoria Q2**	1.665		
23	Onofrei M., Gavriluță (Vatamanu) A., Bostan I., Oprea F., **Paraschiv G**., Lazăr C.M. The Implication of Fiscal Principles and Rules on Promoting Sustainable Public Finances in the EU Countries. Sustainability 2020, 12, 2772. https://doi.org/10.3390/su12072772, **WOS:000531558100197 F.I.= 2.576, categoria Q2**	1.388		
24	G.A. Constantin, Gh. Voicu, B. Olac., F. Ilie, **G. Paraschiv**, V. Stefan, G. Musuroi, Structural analysis with finite elements of a subsoiler working part / Analiza structurală cu elemente finite a organului de lucru al unui subsolier, INMATEH Agricultural Engineering, ISSN 1583 – 1019, Volume 61 / No. 2 / 2020, p.: 233-240, **categoria Q4, FI = 0.7**, **WOS:000576420000026**	0.386		
25	Cujbescu D., Biris S.Șt., Voicu Gh., Matache M., **Paraschiv G**., Vladut V.N., Ungureanu N., Bularda M., Determination of sowing precision in simulated laboratory conditions, INMATEH - Agricultural Engineering, Vol. 61, No2., 2020, pag 209-2016, **categoria Q4, FI = 0.7, WOS:000576420000023**	0.338		
26	Alin Dragos Demetrian ,Mihnea Cosmin Costoiu ,Augustin Semenescu ,**Gigel Paraschiv** ,Oana Roxana Chivu,Claudiu Babis, Georgiana Moiceanu,Olivia Negoita, Ileana Mates, On the Reduction of the Biological Danger of Environmental Contamination by Using a "Complete and Reusable Thoracic Drainage System" Sustainability 2019, 11(10), 2873; **https://doi.org/10.3390/su11102873**, **F.I.= 2.576**, **categoria Q2, WOS:000471010300156**	0.925		
27	Georgiana Moiceanu, **Gigel Paraschiv**, Gheorghe Voicu, Mirela Dinca, Olivia Negoita, Mihai Chitoiu, Paula Tudor - Energy Consumption at Size Reduction of Lignocellulose Biomass for Bioenergy, Sustainability 2019, 11(9), 2477; Special Issue Economic and Environmental Impact Assessment of Renewable Energy from Biomass, **https://doi.org/10.3390/su11092477, WOS:000469518700025, F.I.= 2.576**, **categoria Q2**	1.189		
28	Collaguazo, G; Badea, A; Stan, C; Apostol, T; **Paraschiv, G**; Pasztai, Z, Landfill gas to energy conversion from Oradea municipal waste landfill in Romania, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 18 Issue: 2 Pages: 311-320, Feb 2019, ISSN: 1582-9596, **categoria Q4, IF = 0.7, WOS:000463655200005.**	0.1		
29	Rusanescu Carmen Otilia; Rusanescu Marin; Jinescu Cosmin; **Paraschiv Gigel**, Influence of Thermal Comfort on Health, REVISTA DE CHIMIE, vol.70, pp. 1187-1191, aprilie 2019, ISSN: 0034-7752, **WOS:000469387200016**, **F.I. = 1.755, categoria Q3.**	1.466		
30	Moiceanu G., Voicu P., **Paraschiv G**., Voicu Gh., Behaviour of Miscanthus at cutting shear with straight knives with different edge angle, Environmental Engineering and Management Journal, Vol. 16 (5), pp. 1203-1209, 2017, Print ISSN: 1582-9596, eISSN: 1843-3707, **F.I. = 1.096, WOS:000409069600022, categoria Q4.**	0.972		
31	Manea D., Voicu Gh., **Paraschiv G.**, Marin E., Cardei P., Technological alternatives with low consumptions to regenerate the degraded grasslands, Journal of Agricultural Science and Technology, Vol. 19(5), pp.1057-1066, 2017, ISSN: 1680-7073, Publisher: Tarbiat Modares Universıty, **F.I.=0,813, categoria Q2, WOS:000408112700007.**	0.608		
32	Manea D., Voicu Gh., Farcas N., **Paraschiv G**., Marin E., Ecological technology with low inputs for regenerate the degraded grasslands, Romanian Biotechnological Letters, Vol. 21 (1), pp. 12274-12280, 2017, ISSN: 1224-5984, **I.F. = 0.321, categoria Q4, WOS:000395934100015.**	0.313		
33	Dinca M., Voicu Gh., Toma L., Ferdes M., Voicea I., Ungureanu N., **Paraschiv G**., Moiceanu G., Vladut V., Biogas production from anaerobic co-digestion of cow manure and leaves of Miscanthus x giganteus, Romanian Biotechnological Letters, 2017, pp.13035-13044, DOI: 10.26327/RBL2017.50, ISSN 1224 – 5984 **F.I.=0,321, categoria Q4, WOS:000423282700014.**	0.174		
34	Felegeanu D.C., **Paraschiv G**., Panainte-Lehădus M., Horubet M., Belciu M., Radu M., Turcu O.L., A combined method for the analysis and assessment of risks and industrial safety, Environmental Engineering and Management Journal, Vol. 15 (3), 2016, pp. 553-562, Print ISSN: 1582-9596, eISSN: 1843-3707, **F.I.=1,096, categoria Q4, WOS:000376876400009.**	0.555		
35	Moiceanu G., Voicu G., Dincă M., Ferdeș M., **Paraschiv G**., Vlăduț V., Toma L., Influence of different types of substrate on the anaerobic fermentation process, Romanian Biotechnological Letters, Vol. 21(2), 2016, pp. 11281-11289, ISSN 1224 – 5984, **categoria Q4**, **F.I.=0,396, WOS:000378173400003.**	0.255		
36	Moiceanu G., Voicu G., Ferdeș M., **Paraschiv G**., Dincă M., Vlăduț V., Gageanu I., Chitoiu M., Comparative study on biogas production using cow and swine manure mixed with Miscanthus x giganteus as substrate, Romanian Biotechnological Letters, Vol. 21(5), 2016, pp. 11968-11973, ISSN 1224 – 5984, **F.I.=0,396, categoria Q4, WOS:000387969500020.**	0.224		
37	Begea M., **Paraschiv G.**, Teodorescu R., Barbulescu I.D., Grigorica L., Tamaian R., Isolation of yeasts with potential of utilization in food biotechnologies, Journal of Biotechnology, vol. 208, 2015, pages S8, Supplement S, DOI: 10.1016/j.jbiotec.2015.06.013, ISSN: 0168-1656, eISSN: 1873-4863, **categoria Q2**, **F.I.=2,667**, **WOS:000359087000013.**	1.434		
38	Marinela Barbuta, Emanuela Marin, Sorin Mihai Cimpeanu, **Gigel Paraschiv**, Daniel Lepadatu, Roxana Dana Bucur, Statistical Analysis of the Tensile Strength of Coal Fly Ash Concrete with Fibers Using Central Composite Design, Advances in Materials Science and Engineering, Volume 2015 (2015), Article ID 486232, 7 pages, http://dx.doi.org/10.1155/2015/486232, ISSN 1687-8434, **F.I.=1,010, categoria Q3, WOS:000351141800001.**	0.605		
39	Rusanescu C.O., Jinescu C. , **Paraschiv G.**, Biris S.S., Rusanescu M., Ghermec O., Influence of the Nb, V and Mo elements on the ecological micro-alloyed steel properties, Revista de Chimie, 66(15), 2015, pp. 754-757, ISSN 0034-7752, **F.I.=0.956, categoria Q3, WOS:000355126000032.**	0.578		
40	Sărăcin I., **Paraschiv G**., Pandia O., Bozgă I., Toma D., Researches on corrosion cracking phenomenon that occurs on welded of agricultural equipment, Metalurgija, 54(2), 2015, 395-368, ISSN: 0543-5846. **F.I= 0,959, categoria Q4, WOS:000343781300023**	0.695		
41	Bozgă I., Sărăcin I., **Paraschiv G**., Pandia O., Andronie I.C., The influence of melted material proprieties over the characteristics of welded jointings made from steel OL 52.4k, Metalurgija, 54(3), 2015, 535-538, ISSN 0543-5846, **F.I= 0,959, categoria Q4, WOS:000347363100022**	0.695		
42	Vîlcu C., Voicu G., **Paraschiv G.**, Manole E.S., Lehr C., Nedea A., Borzea C.I., System for dynamic monitoring and warning in case of ecological risk for surface waters, Environmental Engineering and Management Journal, 13(7), 2014, 1757-1764, ISSN: 1582-9596. F.I=**1,065, categoria Q4, WOS:000344577400026**	0.542		
43	Nadabaica D.-C., Radkowski S., Nedeff V., **Paraschiv G.**, Barsan N., Nicolescu M.C., Experimental study of noise levels generated by rolling bearings in different stages of deterioration, Environmental Engineering and Management Journal, 13(7), 2014, 1631-1639, ISSN 1582-9596,**F.I=1.065, categoria Q4, WOS:000344577400011**	0.633		
44	Claudia Tomozei, Florin Nedeff, **Gigel Paraschiv**, Oana Irimia, Greta Ardeleanu, Alina Conțu Petrovici, Mathematical modelling of sound pressure level attenuation transmitted by an acoustic screen in industrial environment, Environmental Engineering and Management Journal, July 2014, Vol.13, No. 7, 1743-1749,ISSN 1582-9596,**FI = 1,065, categoria Q4, WOS:000344577400024,** http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no7/23_622_Tomozei_14.pdf	0.633		
45	Parausanu I., Hadăr A., **Paraschiv G**., Vișan C. D., Dynamic behaviour of an elastic orthotropic shaft, Materiale Plastice,Volume 50, Issue 2, pp 106-112, 2013, ISSN 0025-5289 (**F.I. = 0.463**), **categoria Q4**, **WOS:000320842600008**.	0.497		
46	Covaliu C.I., Jitaru I., **Paraschiv G**., Vasile E., Biriș S.Șt., Diamandescu L., Ionita V., Iovu H., - Core–shell hybrid nanomaterials based on CoFe2O4 particles coated with PVP or PEG biopolymers for applications in biomedicine, Powder Technology, (ISSN 0032-5910), Vol. 237 (**2013**), pg. 415-426, 2013, [**ISI Impact Factor: 2.024**], http://www.journals.elsevier.com/powder-technology/, http://www.sciencedirect.com/science/article/pii/S0032591012008364, **doi:10.1016/j.powtec.2012.12.037, categoria Q2, WOS:000317256900049**	0.834		
47	Covaliu C.I., **Paraschiv G**., Biriș S.Șt., Jitaru I., Vasile E., Diamandescu L., Velickovic T.C., Krstic M., Ionita V., Iovu H., Matei E., - Maghemite and poly-DL-alanine based core–shell multifunctional nanohybrids for environmental protection and biomedicine applications, Applied Surface Science, (ISSN 0169-4332), 285P (2013), pg. 86-95, **2013**, [**ISI Impact Factor: 2.711**] http://www.journals.elsevier.com/applied-surface-science/, http://ac.els-cdn.com/S0169433213015 50X/1-s2.0-S0169433213015 50X-main.pdf?_tid=abc1142a-7d74-11e3-b65d-00000aab0f6c&acdnat=1389742760_a03b6b04a1921e2838e6e039fab280b1, http://www.sciencedirect.com/science/article/pii/S016943321301550X **doi:10.1016/j.apsusc.2013.08.059, categoria Q1, WOS:000325960900012**	0.794		
	P1.4	**44.335**	**Obligatoriu**	**-**
	P1=P1.1+P1.2+P1.3+P1.4	**83.716**	**Obligatoriu**	**6**
	A.2.2. Articole și publicații științifice BDI [4] neincluse la A2.1			**10**
	Autor corespondent/prim autor			**5**
1	**Paraschiv G.,** Manole C., Explaining the phenomenon of separation into fractions of a mixture of particulate matter by applying the principle of minimum energy, INMATEH - Agricultural Engineering, 45 (1), 2015, pp. 65-70. Indexată BDI, SCOPUS, http://www.inmateh.eu/index_rom.htm.	1		
2	**Paraschiv G.,** Mușuroi G., Ungureanu N., Biriș S.Șt., Vlăduț V., Marin E., Researches on the reduction of fuel consumption in case of automatic systems for position control use, INMATEH – Agricultural Engineering, INMA București, nr. 27, pp. 63 – 70, 2009, ISSN 1583 – 1019, (Rev. B+, Cod CNCSIS 737, Indexată BDI, SCOPUS, http://www.inmateh.eu/index_rom.htm).	1		
3	**Paraschiv G.,** Biriș S.Șt., Toma L., Vlăduț V., Popa L., The rotor speed influence on the working process executed by tillage cutters, INMATEH - Agricultural Engineering, INMA București, nr. 25, pp. 33 - 37, 2008, ISSN 1583–1019 (Rev. B+, Cod CNCSIS 737, Indexată BDI – ULRICHS, CABI, SCOPUS, http://www.inmateh.eu/index_rom.htm).	1		
4	**Paraschiv G.,** Maican E., Biriș S.Șt., Bungescu S., Researches regarding the development of a soil preparation unit, according to the demands of sustainable agriculture, Proceedings of the 36th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 11 - 15 February 2008, pp. 135 - 143, ISSN 1333-2651, **WOS:000254647700012** (indexată ISI – Index to Scientific & Technical Proceedings), http://atae.agr.hr.	1		

5	**Paraschiv G.,** Toma M.L., Biriș S.Șt., Voicu Gh., Vlăduț V., Research regarding the influence of angle of fall and of furrow overturning tendency on covering degree with soil of the vegetal remains from ploughing, Proceedings of the 37th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 10-13 February 2009, pp. 135 – 142, ISSN 1333-2651, (indexată ISI – Index to Scientific & Technical Proceedings), http://atae.agr.hr., **WOS:000266236400014**	1		
6	**Paraschiv G**., Toma M.L., Mușuroi G., Biriș S.Șt., Voicu Gh., Research regarding the realization of a hydraulic system with automatic control of the agricultural machine position towards soil, Proceedings of the 38th International Symposium „Actual Tasks on Agricultural Engineering", Croatia, Opatija, pp. 131 - 141, 22 - 26 February 2010, ISSN 1333-2651, UDC 62-82:621.22. (indexată ISI – Index to Scientific & Technical Proceedings), http://atae.agr.hr.**WOS:000281649800013**	1		
7	**Paraschiv G.,** Maican E., Biriș S.Șt., Paraschiv I., Vlăduț V., Researches regarding the optimization of the seeds hopper from the universal seeds drill, Proceedings of the 40 Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 2012, pp. 265 – 274, 21 – 24 February 2012, ISSN 1333-2651, (indexată ISI – Index to Scientific & Technical Proceedings), http://atae.agr.hr, **WOS:000309447100026**	1		
8	**Paraschiv G.,** Maican E., Costoiu M., Voicu Gh., Poenaru I., Researches regarding the influence of working speed on the hoe drills seeding accuracy, Proceedings of the 40 Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 21 – 24 February 2012, pp. 275 – 282, ISSN 1333-2651, (indexată ISI – Index to Scientific & Technical Proceedings), http://atae.agr.hr., **WOS:000309447100027**	1		
9	**Paraschiv G.,** Maican E., Biriș S.Șt., Costoiu M., Paraschiv I., Finite elements analysis a harrow's disc train during the working process, Proceedings of the 39th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 22 – 25 February 2011, pp. 261 – 270, ISSN 1333-2651, (indexată ISI – Index to Scientific & Technical Proceedings), http://atae.agr.hr., **WOS:000290918800026**	1		
10	**Paraschiv G.,** Grecu B., Moise V., Adir G., Voicu P., The functional analysis of the mechanism of the soil leveling machine, Proceedings of the 38th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 22 – 26 February 2010, pp. 121 – 130, ISSN 1333-2651, (indexată ISI – Index to Scientific & Technical Proceedings), http://atae.agr.hr, **WOS:000281649800012**	1		
	N3.1	**10**	**Obligatoriu**	**5**
	Co-autor			
1	Dinca M.N., Ferdes M., **Paraschiv G.,** Zabava B.S., Enzymatic pretreatment of lignocellulosic biomass for biogas production - Review, 23rd International Scientific Conference Engineering for Rural Development, 22-24.05.2024 Jelgava, LATVIA, ISSN 1691-5976, DOI: 10.22616/ERDev.2024.23.TF181. **Abstracted and indexed Elsevier SCOPUS, Clarivate Analytics**.	1		
2	Moiceanu G., Dumitra C.M., Dinca M.N., **Paraschiv G**., Renewable Energy and Leather Industry - Bibliometric Analysis, Romanian Biotechnological Letters, Vol. 28, No. 3/2023. Indexed in Clarivate Analytics (SCIE, BIOSIS Previews)	1		
3	Paun I., Mitru D., Covaliu C.I., **Paraschiv G.,** Nechifor Gh., Moga I.C., Datcu-Manea A., Niță-Lazăr M., Biodegradation of anionic and cationic surfactants using bacterial strains from activated sludge, International Journal of Conservation Science, vol. 12(3), pp. 1171-1178, 2021, ISSN 2067533X, **WOS:000698685900024**	1		
4	Stoian O., Covaliu C.I**., Paraschiv G.,** Removal of copper ions from wastewater by adsorption using magnetite nanomaterial, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, vol. 83 (3), pp. 293-299, 2021, ISSN 1454-2331, **WOS:000692192600025**	1		
5	Banciu A., Moga I.C., Covaliu I.C., Vaideanu M., Radulescu D., **Paraschiv G.,** Datcu – Manea Alexandru, Niță-Lazăr M., The role of cellulose in the conservation of HDPE binding specificity to potentially pathogenic biofilms from the aquatic systems, International Journal of Conservation Science, vol. 12(1), pp. 303-310, ISSN 2067-533X, 2021, **WOS:000625324400023**	1		
6	M. Chițoiu, G. Moiceanu, **G. Paraschiv**, M. Ștefan and A. Matache, Sound power determination for centrifugal pumps used for local agricultural irrigation in Romania, E3S Web Conf. Volume 180, 2020, 9th International Conference on Thermal Equipments, Renewable Energy and Rural Development (TE-RE-RD 2020), Article Number 03023, Number of page(s) 8, Section Rural Development, eISSN: 2267-1242, **DOI https://doi.org/10.1051/e3sconf/202018003023 [SCOPUS]**	1		
7	Chițoiu M., Moiceanu G., **Paraschiv G.**, Negative Effects of Noise Pollution in Agriculture – A Review, 36th IBIMA Conference: 4-5 November 2020, Granada, Spain **[SCOPUS]**	1		
8	Moiceanu G., Ignat N.D., **Paraschiv G**., Romania Householders' Attitudes Towards Renewable Energy Costs, Mainly Biomass, Proceeding 33nd International Business Information Management Conference (33nd IBIMA) Education Excellence and Innovation Management throught Vision 2020: from Regional Development Sustainability to Global Economic Growth, 10-11 April 2019, Granada, Spain, (ISBN: 978-0-9998551-2-6) **(ISI Proceedings - Elsevier SCOPUS, Clarivate Analytics, Web of Science, CORE – Computing Research and Education, NSD – Norwegian register for Scientific Journarl, Series and Publishers), WOS:000503988806077**	1		
9	Ignat N.D., Moiceanu G., **Paraschiv G**., Renewable Energy Production Evolution And Analysis In EU Countries In South-Eastern Europe, Proceeding 33nd International Business Information Management Conference (33nd IBIMA) Education Excellence and Innovation Management throught Vision 2020: from Regional Development Sustainability to Global Economic Growth, 10-11 April 2019, Granada, Spain, (ISBN: 978-0-9998551-2-6) **(ISI Proceedings - Elsevier SCOPUS,Clarivate Analytics, Web of Science, CORE – Computing Research and Education, NSD – Norwegian register for Scientific Journarl, Series and Publishers), WOS:000510675601071**	1		
10	Moiceanu G., **Paraschiv G.**, Maican E., Dincă M., Găgeanu I., Arsenoaia V.N., Aspects regarding FEM simulation of stress in hammer mill working tool, E3S Web Conf. Volume 112, 2019, 8th International Conference on Thermal Equipment, Renewable Energy and Rural Development (TE-RE-RD 2019), **https://doi.org/10.1051/e3sconf/201911203018 (indexed ISI Web of Knowlwdge), WOS:000619989000051**	1		
11	Covaliu, C., **Paraschiv, G.**, Stoian, O., Buzatu, B., Mircea, C., Cristea, C. Halloysite nanotube applications for heavy metals removal from wastewater, E3S Web Conf. Volume 112, 2019, 8th International Conference on Thermal Equipment, Renewable Energy and Rural Development (TE-RE-RD 2019), ISSN: 2555-0403, **DOI: 10.1051/e3sconf/201911204010, (indexed ISI Web of Knowlwdge), WOS:000619989000077**	1		
12	Ferdeș M., Dincă M., Ungureanu N., Zăbavă B., **Paraschiv G.**, Toma L., Tociu C., Effect of ozone on *Salmonella enteritidis* and *Escherichia coli* in contaminated water, Proceedings of the 47 th International Symposium on Agricultural Engineering, pp. 183-190, Opatija, Croatia, 2019, ISSN 1848-4425, (indexed into Clarivate Analytics (former Thomson Reuters), **WOS:000472729500018**	1		
13	Moiceanu G., Voicu Gh., **Paraschiv G.**, Ipate G., Aspects regarding miscanthus cutting process fem simulation and some experimental data, Engineering for Rural Development, Jelgava, 22.-24.05.2019, pp. 1490-1496. ISSN: 1691-3043, **DOI: 10.22616/ERDev2019.18.N392**, **WOS:000482103500217**	1		
14	Moiceanu G., Voicu Gh., **Paraschiv G.,** Vladut V., Cardei P., Dinca M. Relationships analysis between the grinding parameters of miscanthus giganteus stalks using a hammer mill, Proceedings of the 47 th International Symposium on Agricultural Engineering, pp. 399-407, Opatija, Croatia, 2019, ISSN 1848-4425, (indexed into Clarivate Analytics (former Thomson Reuters) Conference Proceedings Citation Index and ISTP, CAB International - Agricultural Engineering Abstracts), **WOS:000472729500041**	1		
15	N. Ungureanu, V. Vladut, S.Șt. Biris, **G. Paraschiv**, M. Dinca, B.Șt. Zabava, V. Ștefan, N.E. Gheorghita - FEM modelling of machinery induced compaction for the sustainable use of agricultural sandy soils, Proceeding of the 46th International Symposium „Actual Tasks on Agricultural Engineering", Croația, Opatija, ISSN 1848-4425, pg. 201-212, 27 febr.-1 martie. 2018, [ISI Proceedings, ISI - Index to Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; http://atae.agr.hr/, **WOS:000506355900019**	1		
16	Moiceanu G., Chitoiu M., Voicu Gh., **Paraschiv G**., Vladut V., Gageanu I., Dinca M., Comparison between Miscanthus and willow energy consumption during grinding, Proceedings of the 46 th International Symposium on Agricultural Engineering, pp. 369-378, Opatija, Croatia, 2018, ISSN 1848-4425 (indexed into Clarivate Analytics (former Thomson Reuters) Conference Proceedings Citation Index and ISTP, CAB International - Agricultural Engineering Abstracts), **WOS:000506355900037**	1		
17	Ferdes M., Dinca M., Zabava B., **Paraschiv G**., Munteanu M., Ionescu M., Laccase enzyme production and biomass growth in liquid cultures of wood – degrading fungal strains, Proceedings of the 46 th International Symposium on Agricultural Engineering, pp. 341-348, ISSN 1848-4425, Opatija, Croatia, 2018 (indexed into Clarivate Analytics (former Thomson Reuters) Conference Proceedings Citation Index and ISTP, CAB International - Agricultural Engineering Abstracts). ; http://atae.agr.hr/, **WOS:000506355900034**	1		
18	C.O. Rusanescu, M. Rusanescu, M. Begea, **G. Paraschiv**, S.Șt. Biris, Gh. Voicu, I.N. Popescu – Assessing the risk of aridity – a case study Bucharest Romania, Proceeding of the 46th International Symposium „Actual Tasks on Agricultural Engineering", Croația, Opatija, ISSN 1848-4425, pg. 45-56, 27 febr.-1 martie. 2018, [ISI Proceedings, ISI - Index to Scientific and Technical Proceedings; CAB International – Agricultural Engineering Abstracts; Cambridge Scientific Abstracts – InterDok]; http://atae.agr.hr/, **WOS:000506355900004**	1		
19	Covaliu I.C., Moga I.C., Matache M.G., **Paraschiv G**., Gageanu I., Vasile E., Synthesis and Technological Innovation of Applying Oxide Nanomaterials in Wastewater Treatment by Flotation, IOP Conference Series: Materials Science and Engineering, Vol. 374, Issue 1, 12 June 2018, Article number 0120622018, EUROINVENT International Conference on Innovative Research, EUROINVENT ICIR 2018; Palace of Culture Iasi; Romania; **(indexed Thomson Reuters), doi:10.1088/1757-899X/374/1/012062, WOS:000446775900062**	1		
20	Dinca M., Ferdes M., Zabava B., **Paraschiv G.**, Ungureanu N., Vladut V., Moiceanu G., Lignocellulosic biomass pretreatment by hydrolytic fungal strains, Proceedings of the 46 th International Symposium on Agricultural Engineering, pp. 349-358, Opatija, Croatia, 2018, ISSN 1848-4425 (indexed into Clarivate Analytics (former Thomson Reuters) Conference Proceedings Citation Index and ISTP, CAB International - Agricultural Engineering Abstracts). **WOS:000506355900035**	1		

21	Bucur R.D., Cimpeanu C., Barbuta M., Ciobanu G., **Paraschiv G.**, Harja M., A comprehensive characterization of ash from Romania thermal power plant, Journal of Food, Agriculture and Environment, 12(2), 2014, pp. 943-949, ISSN 1459-0255, EID: 2-s2.0-84903689142, [**SCOPUS**] https://www.scopus.com/pages/publications/84903689142?inward=	1		
22	Biriș S.Șt., Vlăduț V., Ungureanu N., **Paraschiv G.**, Voicu Gh., Development and experimental testing of a FEM model for the stress distribution analysis in agricultural soil due to artificial compaction, Agriculturae Conspectus Scientificus (ACS), Vol.74, No.1, pp. 21-29, 2009, ISSN 1331-7768 (print); ISSN 1331-7776 (online), [**SCOPUS**] http://hrcak.srce.hr/35766	1		
23	Moiceanu G., Voicu Gh., G. Mușuroi, G. **Paraschiv, M.N**. Dincă, G. Ipate, M. Chițoiu, Energy consumption evaluation during mechanical processing of agricultural vegetal biomass, University Politehnica of Bucharest Scientific Bulletin, Series D: Mechanical Engineering, Vol. 78, Iss. 3, pp.215 – 222, 2016, ISSN 1454-2358 [**SCOPUS**]	1		
24	Manea D., Voicu Gh., **Paraschiv G.**, Marin E., Theoretical researches on kinematics of cam - Rocker mechanisms from seed drills transmission, UPB Scientific Bulletin, Series D: Mechanical Engineering, Vol. 78(2), pp. 199-210, 2016. ISSN (print): 1454-2358 / (online): 2286-3699.[**SCOPUS**]	1		
25	Poenaru I.C., Cardei P., Voicu Gh., **Paraschiv G.**, Dinca M., Vladut V., Matache G., Researches in the field of the energetics of the miscanthus planter. (1) – determination of the traction force, Scientific Buletin of UPB, Series D: Mechanical Engineering, Vol. 77, Iss. 1, pp. 245 – 256, 2015, ISSN (print): 1454-2358 / (online): 2286-3699. [**SCOPUS**]	1		
26	Vladut V., Matache M., Voicea I., Popa L., Biris S.St., **Paraschiv G.**, Maican E., NEW BIODEGRADABLE OILS USED IN AGRICULTURE, Proceedings of the 10th International Scientific Conference "Engineering for Rural Development", Jelgava, Latvia, 26-27 May, **2011**, pag. 288-293, ISSN 1691-3043 [**Elsevier SCOPUS**]. http://tf.llu.lv/conference/proceedings2011/Papers/053_Vladut.pdf, http://www.tf.llu.lv/conference/index.php?topicID=8	1		
27	Poenaru I., **Paraschiv G**., Voicu Gh., Moiceanu G., Biriș S.St., Vlăduț V. - Studies regarding the working process executed on ploughshare of planting machines, 11th International Scientific Conference "ENGINEERING FOR RURAL DEVELOPMENT", pag. 22-26, vol. 11, ISSN 1691-5976, 24-25.05.**2012**, Jelgava, Latvia [**SCOPUS**]	1		
28	Voicu Gh., Stefan E.M., Constantin G.A., Biriș S.Șt., **Paraschiv G.,** - Rheological Behaviour to Cone Penetration of Dough from Different Wheat Flour Types, Advanced Science Letters, (ISSN 1936-6612), Vol. 19 (February 2013), No. 2, pg. 679-684, **2013**, [**SCOPUS**] http://www.ingentaconnect.com/content/asp/asl/2013/00000019/00000002/art00073, http://www.aspbs.com/science/ind-abs_science.htm	1		
29	Constantin G.A., Voicu Gh., Ștefan E.M., **Paraschiv G**., Research of the grist dimensional characteristics of the second-matter grinding in an industrial wheat mill, INMATEH - Agricultural Engineering, Vol. 39, Nr. 1, pp. 71-78, 2013, ISSN 2068-4215. [**SCOPUS**]	1		
30	Stan C., Apostol T., **Paraschiv G.**, Pasztai Z., Two solutions for MSW treatment in view of landfill minimization and energy recovery maximization, U.P.B. Sci. Bull., Series D: Mechanical Engineering, Vol. 76, Iss. 4, 2014, ISSN 1454-2358. [**SCOPUS**]	1		
31	Constantin G.A., Voicu Gh., Ștefan E.M., **Paraschiv G**., Mușuroi G., Physical properties of the grist fractions at the second reduction passage of a milling plant, INMATEH - Agricultural Engineering, Vol. 43, Nr.2, pp. 119-126, 2014, ISSN 2068-4215 (**Indexare în Elsevier/SciVerse SCOPUS**).	1		
32	Voicu Gh., Moiceanu G., **Paraschiv G.**, Miscanthus stalk behavior at shear cutting with V cutting blades, at different sharpenning angles, Scientific Buletin of UPB, Series D: Mechanical Engineering, Vol. 75, Iss. 3, pp. 257 – 270, 2013, ISSN 1454 – 2358. [**SCOPUS**], https://www.scopus.com/pages/publications/84882982347?inward	1		
33	Biriș S.Șt., Maican E., **Paraschiv G**., Vlăduț V., Bungescu S., A model for prediction of stress state in soil below agricultural tyres using the finite element method, Scientific Bulletin of U.P.B., Seria D, Vol. 69, No.4, pp. 19 - 28, 2007, ISSN 1454-2358 (cotată B+, Cod CNCSIS 102 indexată **Scopus**).	1		
34	Rusănescu C.O., **Paraschiv G**., Murad E., Duțu M.F., Monitoring solar radiation intensity with sun-earth angle in the year 2011 in the north west of Bucharest, INMATEH - Agricultural Engineering, Vol. 40, No. 2, pp. 97 – 102, 2013, ISSN 2068 – 2239. [**SCOPUS**]	1		
35	Vlăduț V., Gheorghe G., Marin E., Biriș S.Șt., **Paraschiv G**., Cujbescu D., Ungureanu N., Găgeanu I., Moise V., Boruz S., Kinetostatic analysis of the mechanism of deep loosening system of arable soil, Proceedings of the 45th Symposium "Actual Tasks on Agricultural Engineering", Opatija, Croatia, pp. 217 -227, 2017, ISSN 1848-4425, **WOS:000432420200022** http://atae.agr.hr, **(ISI Proceedings, ISI - Index to Scientific and Technical Proceedings).**	1		
36	Chițoiu M., Voicu Gh., **Paraschiv G**., Moiceanu G., Vlăduț V., Matache M., Grigore I., Bunduchi G., Voicea I., Găgeanu I., Comparison of energy consumption of a hammer mill during chopping Miscanthus stalks and energetic willow, Proceedings of the 45th Symposium "Actual Tasks on Agricultural Engineering", Opatija, Croatia, pp. 259-267, 2017, ISSN 1848-4425, **WOS:000432420200026** http://atae.agr.hr, **(ISI Proceedings, ISI - Index to Scientific and Technical Proceedings).**	1		
37	Ferdes M., Dincă M., Toma L., **Paraschiv G.**, Discoloration of synthetic textile dyes by laccase-producing fungal biomass, Proceedings of the 45th Symposium "Actual Tasks on Agricultural Engineering", Opatija, Croatia, pp. 503 – 511, 2017, ISSN 1848-4425, **WOS:000432420200053**, http://atae.agr.hr, **(ISI Proceedings, ISI - Index to Scientific and Technical Proceedings).**	1		
38	Manea D., Voicu Gh., **Paraschiv G**., Marin E., Performances evaluation of direct seeder for grasslands, 15th International Scientific Conference on Engineering for Rural Development, Vol. 2016 – January 2016, pp. 198-203, Jelgava, Latvia, 25 - 27 May 2016, Code 122094, Publisher: Latvia University of Agriculture, ISSN: 1691-3043, **WOS:000390059500030, Indexed: Elsevier SCOPUS, Web of Science ™, Clarivate Analytics (former Thomson Reuters).**	1		
39	Dincă M., Toma L., Ferdes M., Voicu Gh., **Paraschiv G.,** Moiceanu G., Vlăduț V., Optimization of biogas production by the addition of green *Miscanthus x Giganteus* in anaerobic digester, Proceedings of 44th Symposium "Actual Tasks on Agricultural Engineering", pp. 437- 446, Opatija, Croatia, 2016, **WOS:000432240900040 (Thomson Reuters: Conference Proceedings Citation Index)**	1		
40	Chitoiu M., Voicu Gh., **Paraschiv G**., Moiceanu G., Vladut V., Matache M., Marin E., Bunduchi G., Danciu A., Voicea I., Gageanu I., Energy consumption of a hammer mill when chopping Miscanthus stalks, Proceedings of 44th Symposium "Actual Tasks on Agricultural Engineering", p. 215-223, Opatija, Croatia, 2016, **WOS:000432240900019 (Thomson Reuters: Conference Proceedings Citation Index)**	1		
41	Persu C., Matache M., Vladut V., Biris S., Cujbescu D., **Paraschiv G**., Voicea I., Ivancu B., Ivan Gh., Checking the mechanical resistance of an operator protection structures, Proceedings of the 43rd Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 24 - 27 February 2015, p. 123 - 130, ISSN 1848-4425; **WOS:000373450700010 (Thomson Reuters: Conference Proceedings Citation Index)** http://atae.agr.hr.	1		
42	Vladut V., Biris S., Bungescu S., Faur N., Cernescu A., Cardei P., Matache M., Kabas O., **Paraschiv G**., Atanasov At., Ivan Gh., The verification of stress by FEM analysis / mechanical testing of a tractor bar, Proceedings of the 43rd Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 24 - 27 February 2015, pp.141 - 152, ISSN 1848-4425; **WOS:000373450700012 (Thomson Reuters: Conference Proceedings Citation Index)** http://atae.agr.hr.	1		
43	Vladutoiu L., Vladut V., Voiculescu I., Matache M., Radu O., Biris S., Voicea I., **Paraschiv G**., Atanasov At., Usenko M., Increasing agricultural machinery active parts durability by hardening, Proceedings of the 43rd Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 24 - 27 February 2015, p. 153 - 164, ISSN 1848-4425; **WOS:000373450700013 (Thomson Reuters: Conference Proceedings Citation Index and ISTP)** http://atae.agr.hr.	1		
44	Manea D., Marin E., **Paraschiv G.**, Voicu Gh., Testing experimental model of drill for grasslands regeneration, Proceedings of the 43rd Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 24 - 27 February 2015, p. 331 - 342, ISSN 1848-4425; **WOS:000373450700029 (Thomson Reuters: Conference Proceedings Citation Index and ISTP)** http://atae.agr.hr.	1		
45	Constantin G.A., Voicu Gh., Tudose V., **Paraschiv G**., Ivancu B., Analysis of suspending system for plansifters from milling plants, Proceedings of the 43rd Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 24 - 27 February 2015, p. 495 - 504, ISSN 1848-4425; **WOS:000373450700044 (Thomson Reuters: Conference Proceedings Citation Index and ISTP, CAB International - Agricultural Engineering Abstracts)** http://atae.agr.hr.	1		
46	Moiceanu G., Voicu Gh., **Paraschiv G.**, Dinca M., Ferdes M., Chitoiu M., Constantin G.A., Musuroi G., Energy consumption to the formation of solid-liquid system based on vegetal biomass, Proceedings of the 43rd Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 24 - 27 February 2015, p. 645- 656, ISSN 1848-4425; **(Thomson Reuters: Conference Proceedings Citation Index and ISTP)** http://atae.agr.hr., **WOS:000373450700059**	1		
47	Dinca M., Voicu Gh., **Paraschiv G**., Ferdes M., Moiceanu G., Voicu P., Stefan M.E., Anaerobic digestion of vegetal biomass used for biogas production, Proceedings of the 43rd Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 24 - 27 February 2015, p. 657-666, ISSN 1848-4425; **(Thomson Reuters: Conference Proceedings Citation Index)** http://atae.agr.hr., **WOS:000373450700060**	1		
48	Voicea I., Vladut V., Cardei P., Matache M., Gageanu I., Voicu Gh., Popescu C., **Paraschiv G.**, Kabas O., Compacting process and mathematical analysis of miscanthus briquettes expansion, Proceedings of the 43rd Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 24 - 27 February 2015, p. 667- 676, ISSN 1848-4425; **WOS:000373450700061 (Thomson Reuters: Conference Proceedings Citation Index)** http://atae.agr.hr.	1		
49	Voicu Gh., Poenaru I.C., **Paraschiv G.**, Dinca M.N., Vladut V., Theoretical modeling of working process of covering devices to Miscanthus rhizomes planters, Proceedings of the 42nd International Symposion on Agricultural Engineering, pp. 137 - 148, 2014, Opatija, Croatia, 25-28 Februarie 2014, **WOS:000340762800013 (indexată ISI Proceedings – part of the ISI's Web of Knowledge, ISI - Index to Scientific & Technical Proceedings).**	1		
50	Moiceanu G., Voicu Gh., **Paraschiv G.**, Voicu P., Cutting resistance of miscanthus plants using V shaped blades with opennig of 50 degrees and diffrent sharpening angles, pp. 509 – 515, 13th International Scientific Conference Engineering for Rural Development, 23 - 24 May 2013, ISSN 1691-5976, Jelgava, Latvia. (Elsevier SCOPUS, Clarivate Analytics)	1		
51	Poenaru I.C., Voicu Gh., **Paraschiv G.**, Moiceanu G., Voicu P., Study regarding choosing the optimum rhizome planting equipment, Proceedings of the 40.Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 21 – 24 February 2012, ISSN 1333-2651, pp. 283 - 292, **WOS:000309447100028 (indexată Current Contents Proceedings, ISI – Index to Scientific & Technical Proceedings)**, http://atae.agr.hr	1		

52	Vlăduț V., Moise V., Biriș S.Șt., **Paraschiv G.**, Determining the cost matrix of straw cereals combine harvesters, according to equipment quality and engine power, Proceedings of the 40 Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 21 – 24 February 2012, pp. 333 - 343, ISSN 1333-2651, **WOS:000309447100033 (indexată Current Contents Proceedings, ISI – Index to Scientific & Technical Proceedings)**, http://atae.agr.hr.	1		
53	Ionescu M., Biriș S.Șt., David L., **Paraschiv G.**, Murad E., Carp-Ciocârdia C., Experimental research on work optimization of oil presses, Proceedings of the 40 Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 21 – 24 February 2012, pp. 451 – 462, ISSN 1333-2651, **WOS:000309447100045 (indexată Current Contents Proceedings, ISI – Index to Scientific & Technical Proceedings)**, http://atae.agr.hr.	1		
54	Moiceanu G., Voicu Gh., **Paraschiv G.**, Poenaru I.C., Biriș S.Șt., Mechanical characteristics of Miscanthus stalks obtained by compression tests, Proceedings of the 40 Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 21 – 24 February 2012, pp. 507 – 516, ISSN 1333-2651, **WOS:000309447100050 (indexată Current Contents Proceedings, ISI – Index to Scientific & Technical Proceedings)**, http://atae.agr.hr.	1		
55	Moiceanu G., Voicu Gh., **Paraschiv G.**, Poenaru C.I., Maican E., Physical characteristics of Miscanthus plants and power demand at grinding process, Proceedings of 11th International Scientific Conference „Engineering for Rural Development", vol.11, pp. 222 – 297, 24-25 mai 2012, Jelgava, Letonia, (ISSN 1691-3043), **WOS:000329712900038 (revistă indexată Thomson Reuters Web of Science, Elsevier SCOPUS).**	1		
56	Biriș S.Șt., Ungureanu N., Maican E., **Paraschiv G.**, Voicu Gh., Manea M., FEM model for the study of interaction between the driving wheel and rolling track for agricultural land vehicles, Proceedings of the 39th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 22 – 25 February 2011, pp. 95 – 106, ISSN 1333-2651, **WOS:000290918800009 (indexată Current Contents Proceedings, ISI – Index to Scientific & Technical Proceedings)**, http://atae.agr.hr.	1		
57	Voicu Gh., Tudosie E.M., **Paraschiv G.**, Voicu P., Ipate G., Testing certain distribution laws regarding some physical characteristics of grinded wheat seed mixture inside milling units and the connection between them, Proceedings of the 39th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 22 – 25 February 2011, pp. 427 – 436, ISSN 1333-2651, **WOS:000290918800044 (indexată Current Contents Proceedings, ISI – Index to Scientific & Technical Proceedings)**, http://atae.agr.hr	1		
58	Vlăduț V., Matache M., Voicea I., Popa L., Biriș S.Șt., **Paraschiv G.**, Maican E., New biodegradable oils used in agriculture, Proceedings of the 10th International Scientific Conference "Engineering for Rural Development", Jelgava, Latvia, 26-27 May, 2011, pp. 288-293, ISSN 1691-3043 [**Thomson Reuters Web of Science, Elsevier SCOPUS**]. http://www.tf.llu.lv/conference/index.php?topicID=8	1		
59	Moise V., Biriș S.Șt., Grecu B., Ungureanu N., David L., **Paraschiv G.**, Determination of the minimum surface of an agricultural farm from which a certain power range of tractors become profitable, Proceedings of the 38th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 22 – 26 February 2010, pp. 99 – 110, ISSN 1333-2651, **WOS:000281649800010 (indexată Current Contents Proceedings, ISI – Index to Scientific & Technical Proceedings)**, http://atae.agr.hr.	1		
60	Biriș S.Șt., Manea M., **Paraschiv G.**, Vlăduț V., Bungescu S., Power calculus elements for oil presses, Proceedings of the 37th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 10 - 13 February 2009, pp. 475 – 484, ISSN 1333-2651, **WOS:000266236400053 (indexată Current Contents Proceedings, ISI – Index to Scientific & Technical Proceedings),** http://atae.agr.hr.	1		
61	Vlăduț V., Matache M., Faur N., Biriș S.Șt., **Paraschiv G.**, Bungescu S., Traction bar testing of a 220 HP tractor in simulated and accelerated regime, its analysis by FEM for determining rupture resistance, Proceedings of the 37th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 10 - 13 February 2009, pp. 77 - 84, ISSN 1333-2651, **WOS:000266236400008 (indexată Current Contents Proceedings, ISI – Index to Scientific & Technical Proceedings)**, http://atae.agr.hr.	1		
62	Vlăduț V., Popa L., Danciu A., Bungescu S., Biriș S.Șt., **Paraschiv G.** Soil pressure determination in real-field and simulated-laboratory, Proceedings of the 37th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 10 - 13 February 2009, pp. 107 – 116, UDC 004.49:631.431.73, ISSN 1333 - 2651, **WOS:000266236400011 (indexată Current Contents Proceedings, ISI – Index to Scientific & Technical Proceedings)**, http://atae.agr.hr.	1		
63	Biriș S.Șt., Maican E., Vlăduț V., **Paraschiv G.**, Manea M., Bungescu S., Study regarding the soil particle's kinematics during the ante-moulboard tillage tool's working process, Proceedings of the 36th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 11 - 15 February 2008, pp. 115 - 126, ISSN 1333-2651, **WOS:000254647700010 (indexată Current Contents Proceedings, ISI – Index to Scientific & Technical Proceedings)**, http://atae.agr.hr.	1		
64	Bungescu S., Biriș S.Șt., Vlăduț V., **Paraschiv G.**, Researches regarding the stresses distribution determination that appear on the lamellar mouldboard surface with a view to modelling and optimization of this one, Proceedings of the 36th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 11 - 15 February 2008, pp. 281 - 292, ISSN 1333-2651, **WOS:000254647700028 (indexată Current Contents Proceedings, ISI – Index to Scientific & Technical Proceedings)**, http://atae.agr.hr.	1		
65	Biriș S.Șt., Vlăduț V., Bungescu S., **Paraschiv G.**, Research regarding the utilization of ante-moldboard in the ploughs building, Proceedings of the 35th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 2007, pp. 85 – 96, ISSN 1333-2651, **WOS:000245747300008 (indexată Current Contents Proceedings, ISI – Index to Scientific & Technical Proceedings),** www.agr.hr/aed/index.htm.	1		
66	Moiceanu G., Voicu Gh., **Paraschiv G.**, Dinca M., Chitoiu M., Vladut V., Mechanical properties of energetic plant stems – review, INMATEH – Agricultural Engineering, Vol. 45, No.1, pp. 149 – 156, 2015, ISSN e. 2068-2239 **[SCOPUS], https://www.scopus.com/pages/publications/84928951228?inward.**	1		
67	Manea D., Voicu Gh., **Paraschiv G.**, Marin E., Experimental comparative study between two types of mechanism used in grassland drills transmission [Studiu comparativ experimental între două tipuri de mecansime utilizate în transmisia mașinilor de regenerat pajiști], INMATEH - Agricultural Engineering, Vol. 47(3), pp. 5-12, 2015 **[SCOPUS]**	1		
68	Voicea I., Danciu A., Selvi K.C., Vlăduț V., Voicu Gh., **Paraschiv G.**, Grigore I., Integrated technology for obtaining agripellets/ Tehnologie integrate de obținere a agripeleților, INMATEH - Agricultural Engineering, Vol. 42 (1), 2014, pp. 129-136. [SCOPUS]	1		
69	Chitoiu M., Voicu Gh., Moiceanu G., **Paraschiv G.**, Dinca M., Vladut V., Tudor P., Energy consumption analysis on energetic plant biomass grinding using hammer mills, UPB. Sci. Bulletin, Series D, Vol. 80, Iss. 4, 2018, pp. 117 – 128, ISSN 1454-2358 **(Scopus, Elsevier sciencess bibliographic databases).**	1		
70	Ferdes M., Zabava B.S., Dinca M.N., **Paraschiv G.** Effect of ozone treatment on three bacterial strains of drinking water, Engineering for Rural Development, vol. 17,17th International Scientific Conference Engineering for Rural Development, ERD 2018, Jelgava, Letonia, 23.-25.05.2018, pp. 677-680, 2018, DOI: 10.22616/ERDev2018.17.N382, Cod 137032, ISSN: 1691-3043, **WOS:000805412200103 (ISI Proceedings - Elsevier SCOPUS, Clarivate Analytics, Web of Science).**	1		
71	Moiceanu G., Dinca M.N., **Paraschiv G.**, Voicu Gh., Aspects regarding grinded *Salix Viminalis* distribution and energy consumption using hammer mill, Proceedings of 17th International Scientific Conference Engineering for Rural Development, 2018, pp. 708-713, Jelgava, 23-25.05.2018, DOI: 10.22616/ERDev2018.17.N395, ISSN 1691-5976, **WOS:000805412200108 (ISI Proceedings - Elsevier SCOPUS, Clarivate Analytics, Web of Science).**	1		
72	Moiceanu G., **Paraschiv G.**, Romanian young women tendency towards entreprenourship:an empirical investigation, Proceeding 32nd International Business Information Management Conference (32nd IBIMA) Education Excellence and Innovation Management throught Vision 2020: from Regional Development Sustainability to Global Economic Growth, Seville Spain 15 -16 November 2018, (ISBN: 978-0-9998551-1-9) (ISI Proceedings - Elsevier SCOPUS,Clarivate Analytics, Web of Science), https://ibima.org/conference/32nd-ibima-conference/	1		
	N3.2	**72**	**Obligatoriu**	**-**
	N3=N3.1+N3.2	82	**Obligatoriu**	**10**
	A.2.3. Brevete de inventii indexate [5]			
	Internationale indexate in Web of Science - Derwent Innovation			
1	Gheorghe VOICU, Gabriel-Alexandru CONSTANTIN, **Gigel PARASCHIV,** Mihnea COSTOIU. 134101 B1 / 2022 „Sită cilindrică cu trei sectoare acționate individual prin arbori tubulari"/"Cylindrical sieve with three sectors, has tapered reduction gear, V-belt pulley that is mounted on input shaft in tapered reduction gear for transmission of motion from electric motor". Publicat în BOPI nr. 2/2022. Vizibil Web of Science la https://www.webofscience.com/wos/alldb/full-record/DIIDW:202049278R	1.65		
2	OLAN Mihai; VLĂDUȚ Nicolae Valentin; PĂUN Anisoara; VOICEA Iulian Florin; PARASCHIV Gigel; POPA Diana Lorena; ISTICIOAIA Simona-Florina; APOSTOL Livia, "INSTALAȚIE INDUSTRIALĂ PENTRU SPĂLAREA TOPINAMBURULUI / Publicat în BOPI nr. 6/2021. (RO 135035 A2, EP3834631 (A1)) *https://ro.espacenet.com/publicationDetails/biblio?II=0&ND=3&adjacent=true&locale=ro_RO&FT=D&date=20210630&CC=RO&NR=135035A2&KC=A2, http://pub.osim.ro/publication-server/document?PN=RO135035%20RO%20135035&iDocId=14688&iFormat=0)*	0.94		
	P2.1	**2.59**	**Obligatoriu**	**-**
	Cereri de brevet Nationale depuse la OSIM			
1	Sorica C., Ionita Gh., **Paraschiv G.**, Costoiu M., Sistem de prindere și fixare cu elemente elastice pe bara pătrată, A/00951 din 05.12.2012.			
2	Ionita Gh., Costoiu M., **Paraschiv G.**, Sistem reglabil de prindere și fixare cu blocare laterală, A/00830 din 23.08.2011			

3	Pirna I., Costoiu M., **Paraschiv G.**, Sistem oscilant cu lagăr întărit şi acţionare pneumatică, A/00843 din 26.08.2011.			
4	M. Costoiu, **G. Paraschiv**, I. Pirnă, G. Ionita, Sistem de siguranţă al îmbinărilor cu filet, A/01442 din 22.12.2011.			
5	Covaliu C., **Paraschiv G.**, Jianu I., Matei E., Procedeu tehnologic de epurare a apelor uzate, A/00425 din 03.06.2013			
6	David A.D, **Paraschiv G.**, Marin E., Vladut N.V., Mateescu M., Tambur cu lame reglabile pentru distrus resturi vegetale, A/00991, 2013			
7	Popa L., **Paraschiv G.**, Ciuperca R., Stefan V., Echipament complex pentru mulcit, A/00992, 2013			
	P2.2	**0**	**Obligatoriu**	**-**
	P2=P2.1+P2.2	**2.592857143**	**Obligatoriu**	**-**
	P1+P2	**86.309**	**Obligatoriu**	**10**
	A.2.4. Produse, tehnologii, platforme si servicii inovative (validate conform procedurilor specifice unitatilor de invatamant superior sau de cercetare)			
	Coordonator/prim autor			
1	Tehnologie pentru promovarea în România a plantei energetice Miscanthus, ca sursă regenerabilă în scopul creşterii competitivităţii şi securităţii energetice	1		
2	Tehnologie performanta pentru manipularea şi distribuirea furajelor în fermele de taurine, în vederea protejării sănătăţii şi asigurarea calităţii produselor animaliere	1		
3	Tehnologie ecologica de fertilizare a solului, conform conceptului de agricultură durabilă, cu impact favorabil asupra mediului şi a sănătăţii consumatorilor	1		
4	Tehnologie de obţinere a nutreţurilor concentrate în scopul îmbunătăţirii calităţii şi siguranţei chimice a produselor provenite din zootehnie	1		
5	Tehnologie şi echipament tehnic pentru efectuarea lucrării de bază a solului corespunzătoare conceptului UE – Agricultură Durabilă	1		
6	Tehnologie cu impact ecologic redus pentru mecanizarea cu inputuri minime a lucrărilor de întreţinere şi îmbunătăţire a pajiştilor	1		
	N4.1	**6**	**Obligatoriu**	**-**
	Co-autor			
1	Tehnologie ecologică de mecanizare pentru reabilitarea pajiştilor prin supraânsămânţare în benzi pentru obţinerea unor furaje de calitate superioară şi pentru refacerea calităţii ecopeisagistice a mediului ambiant	1		
2	Tehnologie ecologică de lucrare a solului în sistem conservativ şi subsolaj prin realizarea unui echipament tehnic pentru tractoarele de mare putere	1		
3	Tehnologie şi instalaţie modernizată pentru producerea intensivă a drojdiei de panificaţie în ciclu redus de multiplicare	1		
4	Bibliotecă de organe de maşini specifice domeniului de mecanică agricolă în limbajele AutoLISP şi AutoCAD	1		
5	Pachet de programe pentru simularea şi proiectarea pe calculator a frezelor agricole	1		
6	Modele matematice pentru optimizarea proiectării nivelatoarelor agricole	1		
7	Tehnologie enzimatică şi instalaţie de obţinere a acidului lactic de înaltă puritate pentru industria alimentară şi farmaceutică din porumb	1		
8	Tehnologie de pregătire a patului germinativ prin realizarea unei grape cu capacitate de lucru ridicată destinată tractoarelor de puteri mari	1		
9	Tehnologie de mecanizare a lucrărilor de recoltat furaje prin realizarea unei combine tractate	1		
10	Tehnologie de mecanizare a lucrării de semănat culturi legumicole prin promovarea unui nou echipament tehnic specializat pentru seminţe mici şi foarte mici	1		
11	Tehnologie de mecanizare privind semănatul plantelor prăşitoare prin integrarea unui echipament tehnic specializat în vederea creşterii volumului calităţii producţiei	1		
12	Tehnologie de mecanizare a lucrării de întreţinere a culturilor prin realizarea unui cultivator prevăzut cu tipuri noi de organe de lucru	1		
13	Tehnologie de pregătire a aerului instrumental cu materiale polimerice superabsorbante	1		
	N4.2	**13**	**Obligatoriu**	**-**
	A.2.5. Monografii/carti de specialitate, format tiparit/electronic (min. 100 pag.)			
	Coordonator/prim autor			
1	**Paraschiv G. (coord.),** Ungureanu N., Dinca M.N., Ferdes M., Moiceanu G., Zabava B.Şt., Toma M.L., Obţinerea biogazului şi impactul asupra mediului, Editura:Politehnica Press, Bucuresti, 303 pag., 2020, ISBN 978-606-515-900-6 *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-02975?func=full-set-set&set_number=000085&set_entry=000010&format=999*	1		
2	**Paraschiv G.(coord.),** Dincă M.N., Ungureanu N., Moiceanu G., Toma M.L., Instalaţii pentru reciclarea deşeurilor, Ed. Politehnica Press, Bucureşti, 289 pag., 2017, ISBN 978-606-515-750-7. *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-02963?func=full-set-set&set_number=000085&set_entry=000006&format=999*	1		
3	**Paraschiv G.,** Costoiu M.C., Paraschiv I., Modelarea matematică şi încercarea experimentală a maşinilor de frezat solul, Editura Politehnica PRESS, Bucureşti, 245 pag., 2010, ISBN 978-606-515-181-9. *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-02972?func=full-set-set&set_number=000085&set_entry=000009&format=999*	1		
	N4.3	**3**	**Obligatoriu**	**1**
	Co-autor			
1	Babiciu P., Biriş S.Şt., **Paraschiv G.**, -CAD-programe de iniţiere în AutoLISP cu aplicaţii în construcţia de maşini agricole, Editura PRINTECH, Bucureşti, 106 pg., ISBN 973-98453-6-3, **1998.** Dovadă Biblioteca Naţională: *http://alephnew.bibnat.ro:8991/F/7C54DEBK5SBMIXFQK7NATX7YQYQNI41NQKRTNY884UN3V91FFA-57957?func=full-set-set&set_number=015715&set_entry=000011&format=999*	1		
2	Opriţa N., Păunescu I., **Paraschiv G.**, Metode matematice în biotehnică şi ingineria mediului, Editura Matrix Rom, Bucureşti, 249 pag., 2002, ISBN 973-685-420-5. *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-03676?func=full-set-set&set_number=000085&set_entry=000015&format=999*	1		
3	Manole C., **Paraschiv G.**, Becheanu D., Asigurarea şi controlul calităţii. Aplicaţie la produsele agroalimentare, Editura Printech, Bucureşti, 282 pag., 2000, ISBN 973-652-202-4. *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-02958?func=full-set-set&set_number=000085&set_entry=000004&format=999*	1		
4	Vladut V., Matache M., Voicea I., Nicolecsu M., Biriş S.Şt., **Paraschiv G.**, Voicu Gh.,Danciu A., Persu C., TESTAREA ASISTATA A SISTEMELOR BIOTEHNICE, Editura Terra Nostra, Iasi, ISBN: 978-606-23-011-7. (351 pag.), **2012** *https://aleph.bibnat.ro/F/2QU5ENL52PNKB2IMQ1BLU752RUX8E545QVRQKXAIQU64KMTPB5-04319?func=full-set-set&set_number=000108&set_entry=000001&format=999*	1		
5	Vintilă M., **Paraschiv G.**, Manole C., Maşini şi instalaţii agrosilvice, Editura CERMAPRINT, Bucureşti, 252 pag., 2007, ISBN 978-973-7667-76-2 (atasat la dosar)	1		
	N4.4	**5**	**Obligatoriu**	**-**
	N4=N4.1+N4.2+N4.3+N4.4	**27**	**Obligatoriu**	**2**
3	**Recunoasterea si impactul activitatii - RIA (A3)**			
	A.3.1. Atragere resurse financiare prin granturi/proiecte/contracte terti		Obligatoriu	50
	Director sau responsabil partener la grant/proiect castigat prin competitie nationala sau internationala			
1	**Paraschiv G. (responsabil proiect),** Toma L., Biriş S., Voicu Gh., Maican E., David O., Tehnologie pentru promovarea în România a plantei energetice Miscanthus, ca sursă regenerabilă în scopul creşterii competitivităţii şi securităţii energetice – INMA Bucureşti, Programul 4: Programe prioritare, Contract nr.21-038/14.09.2007, nr. intern IS 26 07 04 (Suma UPB: 50.000 RON = 11111 EURO).	11.111		
2	**Paraschiv G. (responsabil proiect),** Păunescu I., David L., Maican E., Niţă A., Cercetarea şi elaborarea unor tehnologii cu impact ecologic redus pentru mecanizarea cu imputuri minime a lucrărilor de întreţinere şi îmbunătăţire a pajiştilor, Programul „Cercetare de excelenţă" – AGRAL, tip proiect P-CD, Contract nr. 69/5/2006 (nr. intern 32-06-04), ICDP Braşov (50.000 RON = 11111 EURO).	11.111		
3	**Paraschiv G. (responsabil proiect),** Păunescu I., David L., Voicu Gh., Stoica D., David M., Cercetarea şi elaborarea unei tehnologii performante pentru manipularea şi distribuirea furajelor în fermele de taurine, în vederea protejării sănătăţii şi asigurarea calităţii produselor animaliere, Programul „Cercetare de excelenta" – AGRAL, tip proiect P-CD, Contract nr. 58/14.09.2006 (nr. intern 32-06-03) INMA Bucureşti(50.000 RON = 11111 EURO).	11.111		
4	**Paraschiv G. (responsabil proiect),** Păunescu I., David L., Maican E., Muşuroi G., Niţă A., Cercetarea şi elaborarea unor tehnologii ecologice de fertilizare a solului, conform conceptului de agricultură durabilă, cu impact favorabil asupra mediului şi a sănătăţii consumatorilor, Programul „Cercetare de excelenţă"- AGRAL, tip proiect P-CD, Contract nr. 19/03.10.2005 (nr. intern 32-05-02), INMA Bucureşti(50.000 RON = 11111 EURO).	11.111		

5	**Paraschiv G. (responsabil proiect),** Păunescu I., David L., Maican E., Mușuroi G., Toma L., Cercetări privind optimizarea și implementarea tehnologiilor de obținere a nutreturilor concentrate în scopul îmbunătățirii calității și siguranței chimice a produselor provenite din zootehnie, Programul „Cercetare de excelenta" – AGRAL, tip proiect P-CD, Contract 16/03.10.2005 (nr. intern 32-05-04),INMA București(50.000 RON = 11111 EURO).	11.111		
6	**Paraschiv G. (responsabil proiect),** Păunescu I., David L., Voicu Gh., Mușuroi G., Maican E., Asimilarea în fabricație a unui finisor vibrator cu autocurățire în scopul creșterii indicelui de extracție la produsele măcinate, Program AGRAL, (nr. Intern 32-04-10), INMA București, Programul Agral, 2004 (50.000 RON = = 11111 EURO).	11.111		
7	**Paraschiv G. (responsabil proiect),** Păunescu I., David L., Tehnologie și echipament tehnic pentru efectuarea lucrării de bază a solului corespunzătoare conceptului UE – AGRICULTURĂ DURABILĂ, Ministerul Educației și Cercetării, PNCDI, Programul CERES, Contract nr. 142/18.10.2001 (nr. intern 32-01-07), 2001 (50.000 RON = 11111 EURO).	11.111		
	S1	**77.777**	**Obligatoriu**	**-**
	Membru in echipa la grant/proiect castigat prin competitie nationala sau internationala, proiecte/contracte terti			
1	Biriș S., **Paraschiv G. (Membru)**, Voicu Gh., Maican EContractor principal INMA București, perioada 2006-2008 - Promovarea participării la programul cadru 7 și dezvoltarea rețelei naționale de excelență în domeniul siguranței și securității în transport, CONTRACT DE FINANȚARE NR. 128 / 01.08.2006, PROGRAMUL CEEX Modul III, Nr. UPB 32-06-06 (Suma UPB: 26000 RON = 5778 euro)	5.778		
2	Voicu Gh., **Paraschiv G. (membru),** Căsăndroiu T., Biriș S.Șt., ș.a., -Cercetări privind modelarea matematică și realizarea unor experimentări pentru studiul separării semințelor în sistemele de curățire de la combinele de recoltat cereale păioase, Grant CNCSIS, Cod 167, Nr. 18/29.05.2007, Nr. Intern UPB 15-26-07-01, Faza 2008: Cercetări experimentale privind influența unor parametri ai regimului cinematic asupra procesului de separare a semințelor la sistemul de curățire al combinelor de cereale. Gr. 49/2008 (15000 RON = 3333 EURO)	3.333		
3	Voicu Gh., Oprița N., Căsăndroiu T., Păunescu I., David L., **Paraschiv G. (membru)**, Biriș S.Șt., Safta V.V., Mieilă C., Toma M.L., David M.F., Ionescu D.,– Modelarea / simularea procesului de producere intensivă a drojdiei de panificație în ciclu redus de multiplicare. Modelarea / simularea procesului / instalației pilot, U.P.B., 31.05.2005, PROGRAMUL RELANSIN, SUBPROGRAMUL 1, Subcontract ICA București – U.P.B nr. 32–04–11 / 5.10.2004 (20000 RON = 4444 EURO)	4.444		
4	Babiciu P., Biriș S.Șt., Sindile M., **Paraschiv G. (membru)** -Realizarea programelor pentru simularea și proiectarea pe calculator a suprafețelor active ale trupițelor cu cormană, Contract de cercetare Nr. 4001/1995, Tema 48, Ministerul Învățământului, 1995-1998, Contract Nr. 4001 / 1995, Ministerul Învățământului (60000 RON = 13333 EURO)	13.333		
5	Babiciu P., Sindile M., **Paraschiv G.(coautor)**, Majeri D., Becheanu D., Mușuroi G., Biriș S.Șt, Cercetări privind creșterea fiabilității și performanțelor combinelor de recoltat cereale, Contract de cercetare Nr. 711/1996, Tema A41, Ministerul Cercetării (25000 RON = 5556 EURO)	5.556		
6	Murad E., Babiciu P., Marcu S., Biriș S.Șt., **Paraschiv G.**, -Realizarea unui sistem specializat CAD de asistare-simulare mașini agricole și tractoare "ASIMAT" –Contract de cercetare Nr. 3001/1994, Ministerul Cercetării, Tema A46, Faza: Sistem rezolutiv ASIMAT, U.P.B., 1994 (10000 RON = 2222 EURO)	2.222		
	S2	**34.666**	**Obligatoriu**	**-**
	S1+S2	**112.443**	**Obligatoriu**	**50**
	A.3.2. Prezentarea/Diseminarea rezultatelor: prezenta la manifestari stiintifice in calitate de autor/co-autor de lucrari, profesor invitat		Obligatoriu	**10**
	Congrese/conferinte/workshopuri internationale, profesor invitat la universitati/institute din strainatate			
1	*Multifunctional maghemite and poly-DL-alanine based core-shell magnetic nanohybrids for environmental protection and biomedicine applications,* 8th International Conference on Materials Science & Engineering - Bramat 2013, 28 Februarie - 2 Martie 2013, Brașov, România.	1		
2	*Researches regarding the optimization of the seeds hopper from the universal seeds drill,* Proceedings of the 40 Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 21 – 24 February 2012	1		
3	*Researches regarding the influence of working speed on the hoe drills seeding accuracy* , Proceedings of the 40 Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 21 – 24 February 2012	1		
4	*Finite elements analysis a harrow's disc train during the working process,* Proceedings of the 39th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 22 – 25 February 2011	1		
5	*Researches regarding the development of a soil preparation unit, according to the demands of sustainable agriculture* , Proceedings of the 36th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 11 - 15 February 2008	1		
6	*Influence of the furrow fall angle and overturning tendency on vegetal residues burial degree in ploughing,* Proceedings of the 37th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 10-13 February 2009	1		
7	*Research regarding the realization of a hydraulic system with automatic control of the agricultural machine position towards soil,* Proceedings of the 38th International Symposium „Actual Tasks on Agricultural Engineering", Croatia, Opatija,22 - 26 February 2010	1		
8	*The functional analysis of the mechanism of the soil leveling machine,* Proceedings of the 38th Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 22 – 26 February 2010	1		
9	*Variation of Miscanthus and energetic willow chippings depending on two functional parameters* , International Symposium ISB-INMA TEH - Agricultural and Mechanical Engineering,27-29 oct. 2016, Bucharest	1		
10	*Preliminary researches regarding Miscanthus stalks grinding with centrifugal impact mill,* 4th International Conference on Thermal Equipment, Renewable Energy and Rural Development TE-RE-RD,4-6 June 2015, Argeș	1		
11	*The substrate influence on the anaerobic digestion process,* 4th International Conference on Thermal Equipment, Renewable Energy and Rural Development TE-RE-RD, 4-6 June 2015, Argeș	1		
12	*Miscanthus plant energy consumption during grinding with a lab mill Grindomix GM 200,* 2nd International Conference on Thermal Equipment, Renewable Energy and Rural Development, TE-RE-RD 20 - 22 June 2013, Băile Olănești, România	1		
13	*The influence of heavy metals on biogas production during the anaerobic digestion process,* 3rd International Conference on Thermal Equipment, Renewable Energy and Rural Development, TE-RE-RD Mamaia, România, 2014	1		
14	*Ingineria –relansare și interconectare,* Universitatea din Craiova, 14.07.2017	1		
15	*Științele vieții încotro?!* Universitatea de Științe Agricole și Medicină Veterinară a Banatului „Regele Mihai I al României" din Timișoara, 16.12.2018	1		
16	*Angajabilitatea, pregătirea academică și piața muncii,* Universitatea Tehnică "Gheorghe Asachi" din Iași, 18.01.2019	1		
17	*Învățământul academic militar între competențe și evoluție, în formarea liderilor,* Academia Forțelor Terestre „Nicolae Bălcescu" din Sibiu, 18.07.2019	1		
18	*Universitate și comunitate* , Universitatea din Pitești, 27.11.2019	1		
19	*Ingineria și medicina viitorului,* Universitatea de Medicină și Farmacie "Carol Davila" București, 06.05.2022	1		
20	*Ingineria medicală – Certitudini și perspective,* Universitatea de Medicină și Farmacie "Grigore T. Popa" Iași, 16.12.2022	1		
21	*Învățământul tehnic superior românesc, între tradiție și internaționalizare* , Universitatea Petrol și Gaze din Ploiești, 28.11.2023	1		
22	*Guvernanța academică și legislație în învățământ superior,* Universitatea Tehnică din Cluj-Napoca, 01.03.2024	1		
23	*Universitatea "Ștefan cel Mare" din Suceava de la tradiție la Spațiul European al Învățământului Superior - entitate și identitate -,* Universitatea "Ștefan cel Mare" din Suceava, 23.01.2025	1		
	N5	**23**	**Obligatoriu**	**10**
	A3.3. Citari in publicatii BDI [5] (se exclud autocitarile)		Obligatoriu	**25**
	C1 = numarul de citari			
	SFI = suma factorilor de impact al publicatiilor WOS in care apar citarile			
1	Felegeanu D.C., **Paraschiv G.**, Panainte-Lehăduș M., Horubet M., Belciu M., Radu M., Turcu O.L., A combined method for the analysis and assessment of risks and industrial safety, Environmental Engineering and Management Journal, Vol. 15 (3), 2016, pp. 553-562, Print ISSN: 1582-9596, eISSN: 1843-3707, F.I.=1,008. **CITAT ÎN:**	12		
	1. Haiducu M., Stepa R.A., Chiurtu E.R., Schmitz-Felten E., Considerations regarding the development of useful tools for managing chemical risks, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol. 18(4), pp. 825-830, 2019, ISSN: 1582-9596, eISSN: 1843-3707, **WOS:000469992200007, F.I = 1.186**	1.186		
	2. Prodana M., Ghicioi e., Nalboc I., Szollosi-Mota A., Suvar S., Influence of pyrophoric sulphides over the flammability parameters of liquids, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol. 18(4), pp. 901-905, 2019, ISSN: 1582-9596, eISSN: 1843-3707, **WOS:000469992200016, F.I = 1.186**	1.186		
	3. Sebos I.; Progiou A., Ziomas I., Vulnerability assessment of land-use types with respect to major accident hazards, Environmental Engineering and Management Journal, 16 (9), pp. 1991-1999, 2017, ISSN:1582-9596, **F.I.=1.096, WOS:000419141100007**	1.096		
	4. Tomescu, C., Prodan, M., Vatavu, N., Chiuzan, E., Monitoring the work environment using thermal imaging cameras in order to prevent the self-ignition of coal, Environmental Engineering and Management Journal, 16 (6), pp. 1389-1393, 2017, ISSN:1582-9596, **F.I.=1.096, WOS:000409071500021**	1.096		
	5. Găman G.A., Pupăzan D., Călămar A.-N., Ilie C., Irimia A., Research on mines rescue Brigadesmen's training in a new training facility designed and built for confined spaces, Environmental Engineering and Management Journal, 16 (6), pp. 1275-1281, 2017, ISSN:1582-9596, **F.I.=1.096, WOS:000409071500005.**	1.096		

	6. Pupăzan D., Ilie C., Irimia A., Gireada A., Kovacs I., Study on the behaviour of mine rescue brigadesmen exposed to high temperature and humidity in the training facility, Environmental Engineering and Management Journal, 16 (6), pp. 1355-1360, 2017, ISSN:1582-9596, **F.I.=1.096, WOS:000409071500016**	1.096		
	7. Benta D., Jecan S., Rusu L., Dines O., Business process analysis for risk management in PAV3M, Environmental Engineering and Management Journal, 16 (4), pp. 949-956, 2017, ISSN:1582-9596, **F.I.=1.096, WOS:000405831300020**	1.096		
	8. Ghicioi E., Găman G.A., Vlasin N., Păsculescu V.M., Gabor D., Prevention of accidental pollution with combustion gases after the occurrence of explosions, Environmental Engineering and Management Journal, 16 (6), pp. 1289-1294, 2017, ISSN:1582-9596, **F.I.=1.096, WOS:000409071500007.**	1.096		
	9. Păsculescu V.M., Vlasin N.I., Şuvar M.C., Lupu C., Decision support system for managing electrical equipment used in hazardous atmospheres, Environmental Engineering and Management Journal, 16 (6), pp. 1323-1330, 2017, ISSN:1582-9596, **F.I.=1.096, WOS:000409071500012.**	1.096		
	10. Prodan M., Lupu C., Nălboc I., Szollosi-Moţa A., Munteanu C., Microelements influence on coal oxidation and the environmental pollution implications, Environmental Engineering and Management Journal, 16 (6), pp. 1347-1353, 2017, ISSN:1582-9596, **F.I.=1.096, WOS:000409071500015**	1.096		
	11. Peron M., Arena S., Paltrinieri N., Sgarbossa F., Boustras G., Risk assessment for handling hazardous substances within the European industry: Available methodologies and research streams. RISK ANALYSIS, 2022, DOI10.1111/risa.14010, **F.I.=4.3, WOS:000854598600001**	3.300		
	12. Ay C., Guler T., Besikci E.B., Implementation of ARAMIS methodology in the risk assessment of chemical tankers: The case of loading operation. OCEAN ENGINEERING, vol. 261, Article Number: 112211, 2022, DOI10.1016/j.oceaneng.2022.112211, **F.I.=4.372, WOS:000844312600003**	4.372		
2	Marinela Barbuta, Emanuela Marin, Sorin Mihai Cimpeanu, **Gigel Paraschiv**, Daniel Lepadatu, Roxana Dana Bucur, Statistical Analysis of the Tensile Strength of Coal Fly Ash Concrete with Fibers Using Central Composite Design, Advances in Materials Science and Engineering, Volume 2015 (2015), Article ID 486232, 7 pages, http://dx.doi.org/10.1155/2015/486232, ISSN 1687-8434, F.I.=1,010 **CITAT ÎN:**	9		
	1. Zhang Y., Liu J.H., Wang J., Wu B., Effect of Hybrid Steel-Basalt Fiber on Behaviors of Manufactured Sand RPC and Fiber Content Optimization Using Center Composite Design, ADVANCES IN CIVIL ENGINEERING, vol. 2020, Art. No. 8877750, 2020, DOI: 10.1155/2020/8877750, ISSN: 1687-8086, eISSN: 1687-8094, **WOS:000601356400002, I.F=1.176**	1.176		
	2. Merli R., Preziosi M., Acampora A., Lucchetti M.C., Petrucci E., Recycled fibers in reinforced concrete: A systematic literature review, JOURNAL OF CLEANER PRODUCTION, vol. 248, Art. No. 119207, 2020, DOI: 10.1016/j.jclepro.2019.119207, ISSN: 0959-6526, eISSN: 1879-1786, **WOS:000507364000095, F.I.=7.246**	7.246		
	3. Babor D., Judele L., Lepădatu D., Nitric corrosion resistance of special mortars with high slag content | [Rezistenţa la coroziune nitrică a unor mortare speciale cu conţinut ridicat de zgură], Revista Romana de Materiale/ Romanian Journal Materials, 47(3), pp. 353-360, 2017, ISSN 1583-3186, **F.I.=0.661, WOS:000411922800010.**	0.661		
	4. Jiang T., Zhang J., Wu H., Impact analysis of multiple parameters on fracture formation during volume fracturing in coalbed methane reservoirs, Current Science, 112(2), pp.332-347, 2017, ISSN 0011-3891, **WOS:000397254900031, IF =0.883.**	0.883		
	5. Serbanoiu A.A., Barbuta M., Burlacu A., Gradinaru C.M., Fly ash cement concrete with steel fibers - comparative study, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol. 16(5), pp. 1123-1128, 2017, ISSN: 1582-9596, eISSN: 1843-3707, **WOS:000409069600012, F.I.=1.334**	1.334		
	6. Barbuta M., Mihai P., Precul A.M.N., Bejan L., Taranu N., Banu O.M. CONCRETE HOLLOW BLOCKS WITH WASTE MATERIALS REPLACING THE NATURAL AGGREGATES. REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS, vol. 52(1), pp. 83-89, 2022, **F.I.=0.628, WOS:000781930600010.**	0.628		
	7. Varalakshmi M., Lakshmi, R.K., Rao B.N., 8OPTIMIZATION OF PROCESS PARAMETERS USING DIFFERENT STATISTICAL DESIGNS, JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY, vol. 17 (1), pp. 523-533, 2022, **WOS:000753490200011, F.I.=0.6**	0.6		
	8. Akash Gupta, Manjeet Singh, J. S. Saini, Investigation of the geometric parameters on the performance of glass fiber reinforced polymer laminated mechanical joints under fatigue loading, POLYMER COMPOSITES, Volume45, Issue9, Page 8026-8036, 2024, **WOS:001185751000001, F.I. = 4.8**	4.8		
	9. Odeyemi SO; Omoniyi AO; Adisa MO; Abdulwahab R ; Akinpelu MA, Response Surface Optimization of Rice and Guinea Corn Husk Ash Blended Concrete, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH IN AFRICA, Volume 68, Page31-49, 2024, **WOS:001257500900003, F.I. = 0.8**	0.8		
3	Rusanescu C.O., Jinescu C. , **Paraschiv G.**, Biris S.S., Rusanescu M., Ghermec O., Influence of the Nb, V and Mo elements on the ecological micro-alloyed steel properties, Revista de Chimie, 66(15), 2015, pp. 754-757, ISSN 0034-7752,F.I.=0.81 CITAT ÎN:	11		
	1. Corabieru A., Velicu S., Corabieru P., Sohaciu M., Research on Metal Parts Hardening by Superficial Alloying in Liquid and Solid State, Revista de Chimie, vol. 70 (2), pp. 470-474, 2019, **WOS:000461982200022, F.I.=1.755**	1.755		
	2. Andrei V.A., Malinovschl V., Radulescu C., Ionita I., Torok G., Coaca E., Marin A.H., Bokuchava G. APPLICATIONS OF PLASMA ELECTROLYTIC SATURATION TECHNIQUE IN THE FIELD OF NUCLEAR MATERIALS, JOURNAL OF SCIENCE AND ARTS, Iss. 1, pp. 185-194, 2019, **WOS:000462065300017, F.I.=0.4**	0.4		
	3. Sakr AA, Ali MF, Moussa A., Salama K.K., Identification of pigments, grounds and binding media in mural paintings within elshinawy palace, elmansoura governorate, east of delta, Egypt, Journal of Science and Arts, Iss. 3, pp. 727-738, 2018, **WOS:000446897400020, F.I.=0.675**	0.675		
	4. Sabir F, Ben Lenda O, Saissi S, Tamraoui Y, Mirinioui F, Manoun B, Ibenlfassi, A, Ouzaouit K, Boulif R, Saad E, Metallurgical study of manganese steel, Journal of Science and Arts, Iss. 3, pp. 785-794, 2018, ISSN: 1844-9581, **WOS:000446897400025**, **F.I.=0.675**	0.675		
4	Sărăcin I., **Paraschiv G**., Pandia O., Bozgă I., Toma D., Researches on corrosion cracking phenomenon that occurs on welded of agricultural equipment, Metalurgija, 54(2), 2015, 395-368, ISSN: 0543-5846. F.I= 0,959 CITAT ÎN:	3		
	1. Trebuna P., Pastor M., Trebuna F., Simcak F., The analys is of failure causes of the rotor shaft of steam turbines, Metalurgija, 56(1-2), pp. 233-236, 2017, **F.I= 0.959, ISSN 0543-5846, WOS:000392400100061**	0.959		
	2. Svetlik J, Busa J, Brestovic T, Pituk M, Peskova A, Dudova P., Research into oil film coating of a steel pipe interior by oil mist blowing, Metalurgija, 57(1-2), pp. 95-98, 2018, **WOS:000423657300022, IF=0.959.**	0.959		
	3. Balitskii A.I.; Syrotyuk A.M.; Havrilyuk M.R.; Balitska V.O.; Kolesnikov V.O.; Ivaskevych L.M. Hydrogen Cooling of Turbo Aggregates and the Problem of Rotor Shafts Materials Degradation Evaluation. Energies 2023, 16(23), 7851. https://doi.org/10.3390/en16237851, **WOS:001116042200001, F.I.=3.2**	3.2		
5	Cantaragiu A.-M., Fetecau C., **Paraschiv G.**, Effect of carbon nanotubes concentration on creep behaviour of polypropylene-carbon nanotubes nanocomposites, Materiale Plastice, 52(1), 2015, pp.69-74, ISSN 0025-5289, F.I= 0.824 CITAT ÎN:	4		
	1. Ehsani M., Rahimi P., Joseph Y., Structure-Function Relationships of Nanocarbon/Polymer Composites for Chemiresistive Sensing: A Review, SENSORS, vol. 21(9), art no. 3291, 2021, **WOS:000650757900001, F.I. = 3.576.**	3.576		
	2. Susac F., Tabacaru V., Teodor V.G., Baroiu N., Effect of Cutting Parameters on the Hole Quality in Dry Drilling of Some Thermoplastic Polymers, Materiale Plastice, Vol. 56(1), pp. 245-251, 2019, ISSN: 0025-5289, **WOS:000464604100049, F.I.=1.517**	1.517		
	3. Kasgoz A., Akın D., Durmus A., Quantifying Structural and Solid-State Viscoelastic Properties of Poly(propylene) (PP)/Poly(oxymethylene) (POM) Blend Films, Macromolecular Materials and Engineering, 301(11), 1402-1414, 2016, Online ISSN: 1439-2054, **IF = 2.69, WOS:000386924000015**	2.69		
	4. Vaida L., Moldovan L., Lile I.E., Todor B.I., Porumb A., Tig I., Bratu D.C., A comparative study on mechanical properties of some thermoplastic and thermo set resins used for orthodontic appliances, Materiale Plastice, 52(3), 2015, pp.364-367, **F.I= 0.903, WOS:000362382300020.**	0.903		
6	Vîlcu C., Voicu G., **Paraschiv G.**, Manole E.S., Lehr C., Nedea A., Borzea C.I., System for dynamic monitoring and warning in case of ecological risk for surface waters, Environmental Engineering and Management Journal, 13(7), 2014, 1757-1764, ISSN: 1582-9596. F.I=1,065 CITAT ÎN:	1		
	1. Haidu I., Batelaan O., Crăciun A.I., Domnița M., GIS module for the estimation of the hillslope torrential peak flow, Environmental Engineering and Management Journal, 16(5), pp.1137-1144, 2017, ISSN 1582-9596, **F.I=1.334, WOS:000409069600014**	1.334		
7	Claudia Tomozei, Florin Nedeff, **Gigel Paraschiv**, Oana Irimia, Greta Ardeleanu, Alina Conţu Petrovici, Mathematical modelling of sound pressure level attenuation transmitted by an acoustic screen in industrial environment, Environmental Engineering and Management Journal, July 2014, Vol.13, No. 7, 1743-1749,ISSN 1582-9596,FI = 1,065, http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no7/23_622_Tomozei_14.pdf CITAT ÎN:	6		
	1. Moravec M., Badida M., Mikusova N., Sobotova L., Svajlenka J., Dzuro T., Proposed Options for Noise Reduction from a Wastewater Treatment Plant: Case Study, SUSTAINABILITY, vol. 13(4), 2021, **WOS:000624806800001, F.I. = 3.251**	3.251		
	2. Tirtoaca I.O., Panainte-Lehadus M., Tomozei C., Mosnegutu E., Chitimus A.D., Barsan N. STUDY REGARDING THE MEASURING OF PARTICULATE MATTER PM2.5 AND PM10 IN INDUSTRIAL WORKING ENVIRONMENTS, SCIENTIFIC STUDY AND RESEARCH-CHEMISTRY AND CHEMICAL ENGINEERING BIOTECHNOLOGY FOOD INDUSTRY, vol. 21(2), 271-278, 2020, **WOS:000546789300012, F.I.=0.3**	0.3		

	3. Dascalu M.E., Nedeff F., Sandu I., Mosnegutu E., Sandu A.V., Lopez-Ramirez J.A., Mathematical Model Regarding the Application of the Excitation-Emission Matrix Spectroscopy in Nanofiltration Process Using Humic Acid with a TiO2 Ceramic Membrane, Materiale Plastice, vol. 56 (4), pp. 995-1002, 2019, **WOS:000509920700046, F.I. = 1.517,** ISSN: 2668-8220	1.517		
	4. Korka Z.I., Cojocaru V., Gillich N., Miclosina C.O., Comparative assessment of noise reduction in helical gearboxes, Journal of Vibrational Engineering and Technologies, 5(3), pp.263-268, 2017, **IF = 0.615, WOS:000404371400008**.	0.615		
	5. Racasan A., Munteanu C., Topa V., Pacurar C., Hebedean C., Analysis and improvement techniques for the transfer function of a planar low-pass filter, Environmental Engineering and Management Journal, 15(12), pp.2579-2586, 2016, ISSN 1582-9596, **F.I. = 1.096, WOS:000393476600004**	1.096		
	6. Marcu MT, Sandu V. Evaluation and abatement of environmental noise. a case study for district heating plant placed in a residential area of brasov – Romania, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Vol. 14 Iss.: 1 Pages: 195-203, 2015, **IF=1.008, WOS:000351589400020**	1.008		
8	Covaliu C.I., Jitaru I., **Paraschiv G**., Vasile E.,Biriş S.Şt., Diamandescu L., Ionita V., Iovu H., Core–shell hybrid nanomaterials based on CoFe2O4 particles coated with PVP or PEG biopolymers for applications in biomedicine, Powder Technology, ISSN 0032-5910, Vol. 237, 2013, pg. 415-426, 2013, http://www.journals.elsevier.com/powder-technology/, http://www.sciencedirect.com/science/article/pii/S0032591012008364, I.F.=2,269 CITAT ÎN:	94		
	1. Shabafrooz, Vahid, et al. Electrospun nanofibers: From filtration membranes to highly specialized tissue engineering scaffolds. Journal of nanoscience and nanotechnology, 2014, 14.1, pp. 522-534, ISSN 1533-4880. **I.F.=1,556** http://www.aspbs.com/jnn/, **WOS:000331803900032.**	1.556		
	2. Esir S., et al. Magnetic Properties of Annealed CoFe2O4 Nanoparticles Synthesized by the PEG-Assisted Route. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24.2, pp. 424-430, ISSN: 1574-1443. **I.F.=1,160, WOS:000331629900021**, http://www.springer.com/chemistry/inorganic+chemistry/journal/10904.	1.160		
	3. Zhao Dongpeng, et al. Preparation of silica-coated ultrafine diamond and dispersion in ceramic matrix. Materials Letters, 2013, 113, pp.134-137, ISSN: 0167-577X. **I.F. = 2,269 http://www.journals.elsevier.com/materials-letters, WOS:000327805300035.**	2.269		
	4. Fernandes Carlos, et al. Nanotechnology and antioxidant therapy: an emerging approach for neurodegenerative diseases. Current medicinal chemistry, 2014, 21.38, pp. 4311-4327, ISSN 0929-8673. **I.F. = 3,853, WOS:000345279700001**	3.853		
	5. Ghorbani-Choghamarani Arash, et al. Polyvinylpolypyrrolidoniume tribromide (PVP-Br 3) as efficient and metal-free agent for the selective oxidation of alcohols, trimethylsilyl ethers and oximes under mild conditions.Journal of Saudi Chemical Society, vol. 21(4), pp. 408-414, 2017, ISSN: 1319-6103. **I.F. = 2.456, WOS:000402472500004.** http://www.journals.elsevier.com/journal-of-saudi-chemical-society	2.456		
	6. Mendonça, E. C., et al. Intrinsic dependence of the magnetic properties of CoFe 2 O 4 nanoparticles prepared via chemical methods with addition of chelating agents. Journal of Magnetism and Magnetic Materials, 2015, 395, pp. 345-349. **I.F. = 1.970, WOS:000360025900052**, http://www.journals.elsevier.com/journal-of-magnetism-and-magnetic-materials	1.970		
	7. Deraz N. M., Abd-Elkader, Omar H. Processing and characterization of nano-magnetic Co 0.5 Ni 0.5 Fe 2 O 4 system. Journal of Industrial and Engineering Chemistry, 2014, 20.5, pp. 3251-3255, ISSN: 1226-086X. **I.F. = 3.512, WOS:000339692100090 http://www.journals.elsevier.com/journal-of-industrial-and-engineering-chemistry**	3.512		
	8. Mirzaee Sh, et al. Synthesis, characterization and Monte Carlo simulation of CoFe 2 O 4/Polyvinylpyrrolidone nanocomposites: The coercivity investigation.Journal of Magnetism and Magnetic Materials, 2015, 393: 1-7, **I.F. = 1.970, WOS:000357652800001.**	1.970		
	9. Konda S.K., Ostrom C.K., Chen A., Synthesis and electrochemical study of Cd@Pd core/shell nanomaterials for hydrogen sorption and storage, International Journal of Hydrogen Energy 40 (46), pp. 16365-16374, 2015, ISSN: 0360-3199, DOI10.1016/j.ijhydene.2015.09.051, **IF = 3,582, WOS:000366774000053.**	3.582		
	10. Afghahi S., Shokuhfar A., Two step synthesis, electromagnetic and microwave absorbing properties of FeCO@ C core–shell nanostructure.Journal of Magnetism and Magnetic Materials, 2014, 370, pp. 37-44, ISSN: 0304-8853. **IF = 1,970** http://www.journals.elsevier.com/journal-of-magnetism-and-magnetic-materials, **WOS:000340051600007**	1.97		
	11. Zhang Jinyu, et al. Effect of polyvinylpyrrolidone on mesoporous silica morphology and esterification of lauric acid with 1-butanol catalyzed by immobilized enzyme. Journal of Solid State Chemistry, 2014, 213: 210-217, ISSN: 0022-4596. **I.F. = 2,133** http://www.journals.elsevier.com/journal-of-solid-state-chemistry, **WOS:000334654500032**	2.133		
	12. Shahnavaz Zohreh, et al. Core-shell–CuFe2O4/PPy nanocomposite enzyme-free sensor for detection of glucose. Journal of Solid State Electrochemistry, 2015, 19(4), pp. 1223-1233, ISSN: 1432-8488. DOI10.1007/s10008-015-2738-6, **I.F. = 2,446** http://www.springer.com/chemistry/physical+chemistry/journal/10008, **WOS:000351702700030**	2.446		
	13. Torres-Martínez, Nubia E., et al. Hybrid nanostructured materials with tunable magnetic characteristics. Journal of Nanoparticle Research, 2014, 16.12, pp. 1-12, ISSN: 1388-0764**. I.F. = 2.184** http://www.springer.com/materials/nanotechnology/journal/11051, **WOS:000346697000024**	2.184		
	14. Teodorescu Mirela, Bercea Maria, Poly (Vinylpyrrolidone)–a Versatile Polymer for Biomedical and beyond Medical Applications. Polymer-Plastics Technology and Engineering, vol. 54(9), pp. 923-943, 2015, ISSN: 0360-2559, DOI10.1080/03602559.2014.979506, **I.F. = 1.481, WOS:000355500800001**	1.481		
	15.Bakhshi, Hamed; Shokuhfar, Ali. Structural, magnetic and Raman study of CoFe 2 O 4@ C core-shell Nanoparticles. Ceramics International, vol. 41(9), pp. 10736-10744, Part A, 2015, DOI10.1016/j.ceramint.2015.05.009, ISSN: 0272-8842 **I.F. = 2,605, WOS:000359165500051,** http://www.journals.elsevier.com/ceramics-international	2.605		
	16.Kang, Yong, et al. Synthesis and properties of CORE-shell structured Fe (CO) 5/SiO 2 composites. Journal of Magnetism and Magnetic Materials, vol. 399, pp. 149-154, 2016, ISSN: 0304-8853, DOI10.1016/j.jmmm.2015.09.061, **I.F. = 1.970, WOS:000363463700024** http://www.journals.elsevier.com/journal-of-magnetism-and-magnetic-materials	1.970		
	17.Pang, J., Zhou, G., Liu, R., Li, T., Esterification of oleic acid with methanol by immobilized lipase on wrinkled silica nanoparticles with highly ordered, radially oriented mesochannels, Materials Science and Engineering C 59, pp. 35-42, 2016, ISSN: 0928-4931, **F.I.=4.164, WOS:000367107400005**	4.164		
	18. Wang G., Ma Y., Mu J., Zhang Z., Zhang X., Zhang L., Che H., Bai Y., Hou J., Xie H., Monodisperse polyvinylpyrrolidone-coated CoFe2O4nanoparticles: Synthesis, characterization and cytotoxicity study, Applied Surface Science vol. 365, pp. 114-119, 2016, ISSN: 0169-4332, DOI10.1016/j.apsusc.2016.01.031, **I.F. 3,387, WOS:000369960300015**	3.387		
	19.Jaberolansar, E., Kameli, P., Ahmadvand, H., Salamati, H., Synthesis and characterization of PVP-coated Co0.3Zn0.7Fe2O4 ferrite nanoparticles, Journal of Magnetism and Magnetic Materials, 404, pp. 21-28, 2016, ISSN: 0304-8853, **IF=2,630, WOS:000367482500004**	2.36		
	20. Matei E., Predescu A.M., Coman G., Bălănescu M., Sohaciu M., Predescu C., Favier L., Niculescu M., Magnetic nanoparticles used in envinronmental engineering for Pb and Zn removal, Environmental Engineering and Management Journal, 15(5), pp. 1019-1025, 2016, ISSN 1582-9596, **F.I=1.096, WOS:000381274100010**	1.096		
	21. Li, X., Zhang, Y., Jing, L., He, X., Novel N-doped CNTs stabilized Cu2O nanoparticles as adsorbent for enhancing removal of Malachite Green and tetrabromobisphenol A, Chemical Engineering Journal 292, pp. 326-339, 2016, ISSN: 1385-8947, DOI10.1016/j.cej.2016.02.043, **IF=6.216, WOS:000373648000036**	6.216		
	22. Rashidi, S., Ataie, A., Structural and magnetic characteristics of PVA/CoFe2O4 nano-composites prepared via mechanical alloying method, Materials Research Bulletin, 80, pp. 321-328, 2016, ISSN: 0025-5408, **IF.=2,446, WOS:000377230900043**	2.446		
	23. Anandan, M., Dinesh, S., Krishnakumar, N., Balamurugan, K., Improved photocatalytic properties and anti-bacterial activity of size reduced ZnO nanoparticles via PEG-assisted precipitation route, Journal of Materials Science: Materials in Electronics vol. 27 (12), pp. 12517-12526, 2016, ISSN: 0957-4522 (print version), **IF=2.019, WOS:000389231000034**	2.019		
	24. Li, X., Lu, H., Zhang, Y., He, F., Efficient removal of organic pollutants from aqueous media using newly synthesized polypyrrole/CNTs-CoFe2O4 magnetic nanocomposites, Chemical Engineering Journal 316, pp. 893-902, 2017, ISSN: 1385-8947, **IF= 6.735, WOS:000398985200093**	6.735		
	25. Bouazizi, N., Boudharaa, T., Bargougui, R., Vieillard, J.,, Ammar, S., Le Derf, F., Azzouz, A., Synthesis and properties of ZnO-HMD@ZnO-Fe/Cu core-shell as advanced material for hydrogen storage, Journal of Colloid and Interface Science 491, 2017, pp. 89-97, ISSN: 0021-9797. **IF=4,233, WOS:000393149500010**	4.233		
	26. Arshadnia, I., Movahedi, M., Rasouli, N., MgFe2O4and MgFe2O4/ZnFe2O4coated with polyaniline as a magnetically separable photocatalyst for removal of a two dye mixture in aqueous solution, Research on Chemical Intermediates 43 (8), pp. 4459-4474, 2017, ISSN: 0922-6168 (Print) 1568-5675 (Online), **IF= 1.674, WOS:000405729400011**	1.674		
	27. Zhang, H., Hua, F., Zhang, X., Suo, Q., Peng, H., Wang, X., Effect of PEG6000 on magnetic properties of the Mn-Zn ferrite nanoparticles, Journal of Magnetism and Magnetic Materials 439, pp. 245-250, 2017, ISSN: 0304-8853, **IF= 3.046, WOS:000402482300035**	3.046		
	28. dos Santos P.T., de Araujo P.M.A.G., Cornejo D.R., Costa A.C.F.D. Synthesis and Characterization of Hybrid Ni0.5Zn0.5Fe2O4@SiO2/chitosan, MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS, vol. 20(6), pp. 1534-1540, 2017, DOI10.1590/1980-5373-MR-2017-0213, **F.I.=1.103, WOS:000415103400011**	1.103		
	29. Mirzaee, S., Shayesteh, S.F., Ultrasound induced strain in ultrasmall CoFe2O4@polyvinyl alcohol nanocomposites, Ultrasonics Sonochemistry 40, pp. 583-586, 2018, Ultrasonics Sonochemistry 40, pp. 583-586, ISSN: 1350-4177, **I.F.=6.012, WOS:000412959700066**	6.012		
	30. Schubert, J., & Chanana, M. (2018). Coating Matters: Review on Colloidal Stability of Nanoparticles with Biocompatible Coatings in Biological Media, Living Cells and Organisms. Current medicinal chemistry, 25(35), 4553-4586.DOI: 10.2174/0929867325666180601101859, **I.F.=3.469, WOS:000451910600009**	3.469		
	31. Mirzaee, S., & Shayesteh, S. F. (2018). Ultrasound induced strain in ultrasmall CoFe2O4@ polyvinyl alcohol nanocomposites. Ultrasonics sonochemistry, 40, 583-586. https://doi.org/10.1016/j.ultsonch.2017.07.050, **I.F.=6.012, WOS:000412959700066**	6.012		
	32. Wang, G., Zhou, F., Li, X., Li, J., Ma, Y., Mu, J., ... & Zhang, X. (2018). Controlled synthesis of L-cysteine coated cobalt ferrite nanoparticles for drug delivery. Ceramics International, vol. 44(12), pp. 13588-13594, https://doi.org/10.1016/j.ceramint.2018.04.193, **I.F.=3.057, WOS:000437077000019**	3.057		

	33. Leal, E., Dantas, J., dos Santos, P. T. A., Bicalho, S. M. D. C. M., Kiminami, R. H. G. A., da Silva, M. R., & de Melo Costa, A. C. F. (2018). Effect of the surface treatment on the structural, morphological, magnetic and biological properties of MFe 2 O 4 iron spinels (M= Cu, Ni, Co, Mn and Fe). Applied Surface Science, 455, 635-645. https://doi.org/10.1016/j.apsusc.2018.06.025, **I.F.= 4.439**	4.439		
	34. Aghabeikzadeh-Naeini, E., Movahedi, M., Rasouli, N., & Sadeghi, Z. (2018). Synthesis of ZnFe2O4 nanoparticles in presence and absence of Tween-20: Optical property, adsorption and photocatalytic activity. Materials Science in Semiconductor Processing, 73, 72-77.https://doi.org/10.1016/j.mssp.2017.09.024, **F.I = 2.593, WOS:000415921400011**	2.593		
	35. Mažeika, K., Bėčytė, V., Tykhonenko-Polishchuk, Y. O., Kulyk, M. M., Yelenich, O. V., & Tovstolytkin, A. I. (2018). COMPARISON BETWEEN MAGNETIC PROPERTIES OF CoFe2O4 AND CoFe2O4/POLYPYRROLE NANOPARTICLES. Lithuanian Journal of Physics, 58(3), 267-276.https://doi.org/10.3952/physics.v58i3.3815, **F.I.=0.875, WOS:000450871700006**	0.875		
	36. Rana D.K., Singh S.K., Kundu SK, Choudhary RJ, Basu S., Electrical and magnetic properties of polyvinyl alcohol-cobalt ferrite nanocomposite films, Bulletin of Materials Science, 41(4), Art no. UNSP 92, 2018, **F.I = 0.925, WOS:000437501200002**	0.925		
	37. Li SS, Zhou WY, Li YX, Jiang M, Guo Z, Liu JH, Huang XJ, Noble-Metal-Free Co0.6Fe2.4O4 Nanocubes Self-Assembly Monolayer for Highly Sensitive Electrochemical Detection of As(III) Based on Surface Defects, Analytical Chemistry, 90(2), pp. 1263-1272, 2018, **F.I. = 6.042, WOS:000423011600033**	6.042		
	38. Ehsani M.H., Esmaeili S., Aghazadeh M., Kameli P., Karimzadeh I., Magnetic Evaluation of the Nanoparticles Coated with Polyvinylpyrrolidone and Polyvinyl Chloride Nanoparticles Synthesized by Electro-deposition Method for Hyperthermia Application, Vol. 32 (7), pp. 2021-2030, 2019, DOI: 10.1007/s10948-018-4908-0, **WOS:000475954400022, ISSN: 1557-1939 eISSN: 1557-1947, F.I.=1.244**	1.244		
	39. Okoroh D.O., Ozuomba J., Aisida S.O., Asogwa P.U., Thermal treated synthesis and characterization of polyethylene glycol (PEG) mediated zinc ferrite nanoparticles, SURFACES AND INTERFACES, vol. 16, pp. 127-131, 2019, DOI: 10.1016/j.surfin.2019.05.004, ISSN: 2468-0230, **WOS:000474567500017, F.I.=3.724**	3.724		
	40. Wu J., Li J., Chen Y.J., Bao X.J., Tang H., Ma S.Y., Zhou S.L., Xu M.Y., Tao J.Y., Wang W., Wang X.D., Preconcentration/Extraction of Phthalate Esters in Milk Samples Using MFe2O4-Based Magnetic Ionic Liquid Effervescent Tablets Consisting of Accessory Functional Fillers, FOOD ANALYTICAL METHODS, vol. 12 (9), pp. 2106-2119, 2019, ISSN: 1936-9751, eISSN: 1936-976X, **WOS:000482226500020, F.I.=2.667**	2.667		
	41. Petrarca C., Poma A.M., Vecchiotti G., Bernardini G., Niu Q., Cattaneo A.G., Di Gioacchino M., Sabbioni E., Cobalt magnetic nanoparticles as theranostics: Conceivable or forgettable?, NANOTECHNOLOGY REVIEWS, vol. 9 (1), pp. 1522-1538, 2020, DOI: 10.1515/ntrev-2020-0111, ISSN: 2191-9089, eISSN: 2191-9097, **WOS:000611031200001, F.I.=3.639**	3.639		
	42. Pineres O.H., Salcedo E.C., Herrera A.P., Sanchez J.H., Quintana G.C., Magnetic paper from sugarcane bagasse fibers modified with cobalt ferrite nanoparticles, CELLULOSE, vol. 27(7), pp. 3903-3918, 2020, DOI: 10.1007/s10570-020-03042-8, ISSN: 0969-0239, eISSN: 1572-882X, **WOS:000516111300001, F.I.=4.21**	4.21		
	43. Zhang H., Wang J.C., Zeng Y.Z., Wang G.S., Han S., Yang Z.T, Li B.W., Wang X.M., Gao J., Zheng L.Y et al., Leucine-coated cobalt ferrite nanoparticles: Synthesis, characterization and potential biomedical applications for drug delivery, PHYSICS LETTERS A, vol. 384 (24), Art. no. 126600, 2020, DOI: 10.1016/j.physleta.2020.126600, **F.I.=2.278, WOS:000540268600023,** ISSN: 0375-9601, eISSN: 1873-2429	2.278		
	44. Ma X.X., Li Y.X., Hussain I., Shen R.Q., Yang G.C., Zhang K.L., Core-Shell Structured Nanoenergetic Materials: Preparation and Fundamental Properties, ADVANCED MATERIALS, vol. 32 (30), Art. No. 2001291, 2020, DOI: 10.1002/adma.202001291, ISSN: 0935-9648, eISSN: 1521-4095, **F.I.=27.398, WOS:000540742000001**	27.398		
	45. Thombare B.R., Gavhane D.S., Lole G.S., Bankar P.K., Dusane P.R., et al., Cobalt ferrite decorated multiwalled carbon nanotubes as the electrode for efficient field electron emission, PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, vol. 121, art. no. 114131, 2020, DOI: 10.1016/j.physe.2020.114131, ISSN: 1386-9477, eISSN: 1873-1759, **WOS:000533570900003, F.I.=3.57**	3.57		
	46. Thakur P., Chahar D., Taneja S., Bhalla N., Thakur A., A review on MnZn ferrites: Synthesis, characterization and applications, CERAMICS INTERNATIONAL, vol. 46 (10), pp. 15740 -15763, Part B, 2020, DOI: 10.1016/j.ceramint.2020.03.287, PubMed ID: 32292223, ISSN: 0272-8842, eISSN: 1873-3956, **WOS:000533512000003, F.I.=3.83**	3.83		
	47. Ateia E.E., Mohamed A.T., Maged M., Abdelazim A., Crystal structures and magnetic properties of polyethylene glycol/polyacrylamide encapsulated CoCuFe4O8 ferrite nanoparticles, APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol. 126 (9), Art. No. 669, 2020, DOI: 10.1007/s00339-020-03841-7, ISSN: 0947-8396, eISSN: 1432-0630, **WOS:000560372100001, F.I.=1.81**	1.81		
	48. Zaharia C., Duma V.F., Sinescu C., Socoliuc V., Craciunescu I., Turcu R.P., Marin C.N., Tudor A. et al., Dental Adhesive Interfaces Reinforced with Magnetic Nanoparticles: Evaluation and Modeling with Micro-CT versus Optical Microscopy, MATERIALS, vol. 13 (18), art. no. 3908, 2020, DOI: 10.3390/ma13183908, **WOS:000580764500001, F.I.= 3.057**	3.057		
	49. Shabatina T.I., Vernaya O.I., Shabatin V.P., Melnikov M.Y., Magnetic Nanoparticles for Biomedical Purposes: Modern Trends and Prospects, MAGNETOCHEMISTRY, vol. 6(3), art. No. 30, 2020, DOI: 10.3390/magnetochemistry6030030, **WOS:000602734000002, F.I.=1.947**	1.947		
	50. Hussain K.A., Yi P., Heteroaggregation of Neutral and Charged Nanoparticles: A Potential Method of Making Core-Shell Nanohybrids through Self-Assembly, JOURNAL OF PHYSICAL CHEMISTRY C, vol. 124 (35), pp. 19282-19288, 2020, DOI: 10.1021/acs.jpcc.0c03466, **WOS:000566496200046, F.I.=4.189**	4.189		
	51. Ateia E.E., Mohamed A.T., Core-shell nanomaterials based on La(2)Fe(2)O(6)particles coated with polyvinylpyrrolidone for biomedical applications, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol. 31 (21), pp. 19355-19365, 2020, DOI: 10.1007/s10854-020-04469-2, **WOS:000572323900007, F.I.=2.22**	2.22		
	52. Wang F.X., Ding X., Niu X.B., Liu X.Y., Wang W., Zhang J., Green preparation of core-shell Cu@Pd nanoparticles with chitosan for glucose detection, CARBOHYDRATE POLYMERS, vol. 247, art no. 116647, 2020, DOI: 10.1016/j.carbpol.2020.116647, **WOS:000567346900001, F.I.=7.182**	7.182		
	53. Shakil M.S., Hasan M.A., Uddin M.F., Islam A., Nahar A., Das H., Khan M.N.I., Dey B.P., Rokeya B., Hogue S.M., In Vivo Toxicity Studies of Chitosan-Coated Cobalt Ferrite Nanocomplex for Its Application as MRI Contrast Dye, ACS APPLIED BIO MATERIALS, vol. 3(11), pp. 7952-7964, 2020, DOI10.1021/acsabm.0c01069, **F.I.=4.7, WOS:000604607600069**	4.7		
	54. Patta, G. R., Babu, V.C., Kumar,V.R., Veeraiah, N., Study on the influence of gelation promoter on the structural and magnetic properties of cobalt ferrite nanoparticles developed through sol-gel method, JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol. 100(2), pp. 310-325, 2021, **WOS:000706944300001, F.I.=2.326.**	2.326		
	55. Yeganeh F.E., Yousefi M., Hekmati M., Bikhof M., An experimental research on pH-responsive amino acid-coated Ni(1-x)CoxFe2O4 nanoparticles as a nano-carrier for drug delivery and biological applications, CHEMICAL PAPERS, vol. 75(11), pp. 6047-6057, 2021, **WOS:000674095400001, F.I.=2.097.**	2.097		
	56. Mathews S.A., Babu D.R., Analysis of the role of M-type hexaferrite-based materials in electromagnetic interference shielding, CURRENT APPLIED PHYSICS, vol. 29, pp. 39-53, 2021, **WOS:000729629100007, F.I.=2.4.**	2.4		
	57. Cheraghi A., Davar F., Homayoonfal M., Hojjati-Najafabadi A., Effect of lemon juice on microstructure, phase changes, and magnetic performance of CoFe2O4 nanoparticles and their use on release of anti-cancer drugs, CERAMICS INTERNATIONAL, vol 47(14), pp. 20210-20219, 2021, **WOS:000663666000003, F.I.=4.527.**	4.527		
	58. Hafez, R. S., Ramadan, R., El-Khiyami, S. S., Investigation of structural, optical, magnetic, and electrical properties of PMMA doped with magnetite nanoparticles, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol. 32(11), pp. 14557-14568, 2021, **WOS:000648373100002, F.I=2.478.**	2.478		
	59. Zaporotskova, I. V. et al, Metal-Polymer Nanocomposites Based on Pyrolyzed Polyacrylonitrile with Fe-Ni-Co Inclusions, RUSSIAN PHYSICS JOURNAL, vol. 63(11), pp. 1909-1915, 2021, **WOS:000629897800010, F.I.=0.664.**	0.664		
	60. Min J., Xia Z., Zhang T., Su H., Zhi Y., Shan S., Recent development of magnetic nanomaterial-supported M(Salen) composites as recyclable heterogeneous catalysts, CHEMICAL PAPERS, vol. 75(7), pp. 2965-2980, 2021, **WOS:000618132000001, F.I.=2.097.**	2.097		
	61. Mannu R., Karthikeyan V., Velu N. et al Polyethylene Glycol Coated Magnetic Nanoparticles: Hybrid Nanofluid Formulation, Properties and Drug Delivery Prospects, NANOMATERIALS, vol. 11(2), 2021, **WOS:000622892900001, F.I.=5.076**	5.076		
	62. Martins, F. H. et al. Local Structure Investigation of Core-Shell CoFe2O4@gamma-Fe2O3 Nanoparticles, BRAZILIAN JOURNAL OF PHYSICS, vol. 51(1), pp. 47-59, 2021, **WOS:000592962200001, F.I.=1.326.**	1.326		
	63. Yeganeh, F.E., Yousefi, M., Hekmati, M. et al. An experimental research on pH-responsive amino acid-coated Ni(1−x)CoxFe2O4 nanoparticles as a nano-carrier for drug delivery and biological applications. Chemical Papers, 75(11), 6047–6057, 2021. https://doi.org/10.1007/s11696-021-01766-w, **WOS:000674095400001, F.I.=2.097.**	2.097		
	64. Kakati S., Rendale M.K., Mathad S.N., Synthesis, Characterization, and Applications of CoFe2O4 and M-CoFe2O4 (M = Ni, Zn, Mg, Cd, Cu, RE) Ferrites: A Review, INTERNATIONAL JOURNAL OF SELF-PROPAGATING HIGH-TEMPERATURE SYNTHESIS, vol. 30(4), pp. 189-219, 2021, DOI10.3103/S1061386221040038, **F.I.=0.6, WOS:000731264000001**	0.6		
	65. Li K., Liu M.Q., Liu T., Han X.S., Wang D.Z., Zhang F.Y., Li M.L., Wang X.Y. et al. Sandwich-Like Gelatin/Polycaprolactone/Polyvinyl Pyrrolidone 3D Model with Significantly Improved Cartilage Cells Adhesion and Regeneration, MACROMOLECULAR MATERIALS AND ENGINEERING, vol. 306(10), 2021, DOI10.1002/mame.202100338, **F.I.=3.9, WOS:000687999500001**	3.9		
	66. Esmaeilkhanian A., Sharifianjazi F., Parvin N., Kooti M.A., Cytotoxicity of thermoresponsive core/shell Ni x Co1- x Fe2O4/PEG nanoparticles synthesized by the sol-gel method, JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol. 54(29), Art. No. 295002, 2021, DOI10.1088/1361-6463/abf78a, **F.I.=3.4**, **WOS:000649956800001**	3.4		
	67. Zhalechin M., Dehaghi S.M., Najafi M., Moghimi A., Magnetic polymeric core-shell as a carrier for gradual release in-vitro test drug delivery, HELIYON, vol. 7(5), Art. No. e06652, 2021, DOI10.1016/j.heliyon.2021.e06652, **F.I.=4, WOS:000705942200002**	4		

	68. Zakir M., Khurshid A., Khan M., Khattak A., Khan M.A., The application of aluminium phthalocyanine AlPs-4-mediated photodynamic therapy against human soft tissue sarcoma (RMS) cell line, JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol. 25(2), pp. 102-119, 2021, DOI10.1142/S1088424621500012, **F.I.=1.5**, **WOS:000617336800003**	1.5		
	69. Thakur P., Gahlawat N., Punia P., Kharbanda S., Ravelo B., Thakur A. Cobalt Nanoferrites: a Review on Synthesis, Characterization, and Applications. JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. 2022, vol. 35(10), pp. 2639-2669, DOI10.1007/s10948-022-06334-1, **F.I.=1.675, WOS:000837520100001**	1.675		
	70. Nandhini G., Shobana M.K. Role of ferrite nanoparticles in hyperthermia applications. JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol. 552, Article Number: 169236, 2022, DOI10.1016/j.jmmm.2022.169236, **F.I.=3.097, WOS:000776774900001**	3.097		
	71. Shah N., Hussain M., Rehan T., Khan A., Khan Z.U. Overview of Polyethylene Glycol-based Materials with a Special Focus on Core-Shell Particles for Drug Delivery Application. CURRENT PHARMACEUTICAL DESIGN, vol. 28 (5), 2022, pp. 352-367, DOI10.2174/1381612827666210910104333, **F.I=3.31, WOS:000744000500002**	3.31		
	72. Soltani E.R., Panahi H.A., Moniri E., Fard N.T., Raeisi I., Beik J., Siavoshani A.Y. Construction of a pH/Temperature dual-responsive drug delivery platform based on exfoliated MoS2 nanosheets for effective delivery of doxorubicin: Parametric optimization via central composite design, MATERIALS CHEMISTRY AND PHYSICS, vol. 295, Art. no. 127159, 2022, DOI10.1016/j.matchemphys.2022.127159, **F.I.=4.6, WOS:000898897500003**	4.6		
	73. Abo-Aziza F.A.M., Albarrak S.M., Zaki A.K.A, El-Shafey S.E., Tumor necrosis factor-alpha antibody labeled-polyethylene glycol-coated nanoparticles: A mesenchymal stem cells-based drug delivery system in the rat model of cisplatin-induced nephrotoxicity, VETERINARY WORLD, vol. 15(10), pp. 2475-2490, 2022, DOI10.14202/vetworld.2022.2475-2490, **F.I.= 1.6, WOS:000879020000001**	1.6		
	74. Kaur P., Rana L.K., Shikha P., Narang S.B., Duong A. SrFe12O19 Powder and Polyvinyl Alcohol-Coated SrFe12O19 Films Synthesized Using Tartaric Acid and Study of their Structural, Magnetic, Morphological and Electrical Properties, JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol. 35(1), pp. 179-189, 2022, **F.I.=1.8, WOS:000701624600001**	1.8		
	75. Dung N.T., Duong L.T., Hoa N.T., Thao V.D., Ngan L., Huy N.N. A comprehensive study on the heterogeneous electro-Fenton degradation of tartrazine in water using CoFe2O4/carbon felt cathode, CHEMOSPHERE, vol. 287, Part 2, Art. no. 132141, 2022, DOI10.1016/j.chemosphere.2021.132141, **F.I.=8.8, WOS:000704947700004**	8.8		
	76. Belakehal R., Guy N., Atacan K., Megriche A., Ozacar M. Emerging n-p-n Mn0.2Cd0.8S/CoFe2O4/rGO S-scheme heterojunction for synergistically improved photocatalytic H2 production, MATERIALS CHEMISTRY AND PHYSICS, vol. 310, art no. 128453, 2023, **F.I.=4.6**, DOI10.1016/j.matchemphys.2023.128453, **WOS:001088753400001**	4.6		
	77. Carvalho T.S.S., Torres P.M.C., Belo J.H., Mano J., Olhero S.M. Bioactive Magnetic Materials in Bone Tissue Engineering: A Review of Recent Findings in CaP-Based Particles and 3D-Printed Scaffolds, ADVANCED NANOBIOMED RESEARCH, vol. 3(9), 2023, **F.I.=3.4,** DOI10.1002/anbr.202300035, **WOS:001041965000001**	3.4		
	78. Abdi Z., Masouleh P.A., Khachatourian A.M., Fabrication of NiFe2O4@PEI and NiFe2O4@PPy nanospheres for adsorptive and photocatalytic removal of organic dyes, INORGANIC CHEMISTRY COMMUNICATIONS, vol. 153, art no 110833, 2023, **F.I.=3.8**, DOI10.1016/j.inoche.2023.110833, **WOS:001007165000001**	3.8		
	79. Zhang Z., Wang Z., Tan J.Q., Zhou K., Garcia-Meza J.V., Song S.X., Xia L. Yeast-derived biochar to load CoFe2O4: Degradation of tetracycline hydrochloride by heterogeneous activation of peroxymonosulfate, JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol. 11(3), 2023, art. no. 110020, **F.I.=7.7**, DOI10.1016/j.jece.2023.110020, **WOS:001006949500001**	7.7		
	80. Yang Z., Wang L.W., Zhang J., Liu J., Yu X. , Application of bismuth sulfide based nanomaterials in cancer diagnosis and treatment, NANO TODAY, vol. 49, art no 101799, 2023, **F.I.=17.4**, DOI10.1016/j.nantod.2023.101799, **WOS:000965779200001**	17.4		
	81. Morshedi F., Moniri E., Heydarinasab A., Miralinaghi M. In-Vitro Release of the Anticancer Agent Chlorogenic Acid Using β-Cyclodextrin/Folic Acid Functionalized Magnetic CoFe2O4/SWCNT as Magnetic Targeted Delivery Carrier: Central Composite Design Optimization Study, JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol. 31(1), pp. 221-237, 2023, **F.I.=5.3,** DOI10.1007/s10924-022-02601-3, **WOS:000873357400002**	5.3		
	82. Vermani S., Pawandeep K., Varinder K., Characterization of Thermally Stable Bamboo Fiber Sheet Loaded with Cobalt Ferrite Nanoparticles, JOURNAL OF ELECTRONIC MATERIALS, vol. 53(4), pp. 1773-1795, 2024, DOI10.1007/s11664-024-10917-0, **WOS:001153745800005, F.I.=2.1**	2.1		
	83. Lakshmidevi M., Vasanthi P., Kala E., Prabu S., Lakshmi E.B., Kayalvizhi M., Arun A. Economical Fabrication of Superparamagnetic CoFe2O4 Nanodots@MoS2 Nanosheets with Double PEGylation Using Non-ionic Surfactants with Enhanced Biological Activity, BIONANOSCIENCE, DOI10.1007/s12668-023-01293-w, 2024, **WOS:001142057900001**, **F.I.=3**	3		
	84. Nguyen Van Khien, Chu Thi Anh Xuan, Luu Huu Nguyen, Pham Hong Nam, Truong Thi Thao, Role of citric acid coating in enhancing applicability of CoFe2O4 nanoparticles in antibacterial and hyperthermia, MATERIALS TODAY COMMUNICATIONS, Volume 38, Article Number 107982, 2024, **WOS:001156242200001, Fi.I. = 3.7**	3.7		
	85. Soltani-Nezhad S; Mashreghi A; Hasani S; Daneshfar Z; Rezvan MT; Emami A, Optimization of the coating process in the PEGylated chitosan-based doped cobalt ferrite nanoparticles for hyperthermia applications using the Taguchi method, MATERIALS CHEMISTRY AND PHYSICS, Volume323, 2024, **WOS:001259797700001, F.I = 4.3**	4.3		
	86.Salnikov VD; Aga-Tagieva SE; Kolesnikova VG; Tovpinets AO; Omelyanchik AS; Rodionova VV, Effect of PEG nanoparticle surface coating on the magnetic and structural properties of CoFe2O4 /PVDF composites, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, Volume 595, DOI10.1016/j.jmmm.2023.171498, 2024, **WOS:001222451900001, F.I. = 2.5**	2.5		
	87.Meng XH; Li YH; Wang WJ; Pei FY; Liu ZL, Enhanced sensing properties of CoFe2O4 nanosheet and sensing reaction molecule mechanism of polar CoFe2O4 {111} surfaces, JOURNAL OF ALLOYS AND COMPOUNDS, Volume 993, DOI10.1016/j.jallcom.2024.174616, 2024, **WOS:001238055300001, F.I. = 5.8**	5.8		
	88. Thao TT; Tam KT; Hung NP; Nguyen LH; Van Khien N, Chemical synthesis and biosynthesis Ag-doped CoFe2O4 nanomaterial for biomedical application, JOURNAL OF MATERIALS RESEARCH, Volume 39,Issue 10, 2.7Page1499-1512, DOI10.1557/s43578-024-01325-5, 2024, **WOS:001185857600003, F.I. = 2.7**	2.7		
	89.Doan, L; Huynh, AH; Tran, K; Le, QN; Huynh, KG, Surface modifications of cobalt ferrites nanoparticles with chitosan, polyethylene glycol, polyvinyl alcohol, and polyvinylpyrrolidone as antibacterial agents against Staphylococcus aureus, Pseudomonas aeruginosa, and Salmonella enterica, POLYHEDRON, Vol. 267, 2025, DOI10.1016/j.poly.2024.117354, **WOS:001388034700001. F.I.= 2.6**	2.6		
	90. Li, WH; Zhang, B; Dong, XR; Lu, Q; Shen, H; Ni, Y; Liu, YC; Song, HT, Electrospun WO3/TiO2 Core-Shell Nanowires for Triethylamine Gas Sensing, CHEMOSENSORS, Vol. 13, Issue 2, 2025, DOI10.3390/chemosensors13020045, **WOS:001430556200001, F.I. = 3.7**	3.7		
	91. Pandhare, AB; Mulik, SV; Patil, SS; Smotraiev, RV; Patil, RP; Delekar, SD, Functional mixed metal oxide nanomaterials: a comprehensive review of their hyperthermic potential in cancer therapy, NEW JOURNAL OF CHEMISTRY, Vol.49, Issue 12, Pag. 4735-4754, 2025, DOI10.1039/d4nj02783c, **WOS:001437918900001, F.I. = 2.5**	2.5		
	92. Filatova, K; Yasir, M; Fahanwi, AN; Lovecká, L; Kimmer, D; Sedlarík, V; Sáha, P, Shifting from sustained to delayed drug delivery systems: Encapsulated mesoporous silica-chitosan grafted polylactic acid-based composite approach, MATERIALS CHEMISTRY AND PHYSICS, Vol.320, 2024, DOI10.1016/j.matchemphys.2024.129457, **WOS:001299884700001, F.I. = 4.7**	4.7		
	93. Thomas, NM; George, N; Viji, MO; Bins, KC; Chakrapani, PSB; Anila, EI, Fluorescence bioimaging applications of europium-doped strontium aluminate nanoparticles, CERAMICS INTERNATIONAL, Vol. 51, Issue 12, Pag.16959-16968 PartB, 2025, DOI10.1016/j.ceramint.2024.12.141, **WOS:001481451900001, F.I. = 5.6**	5.6		
	94. Nemkova, D; Saikova, S; Krolikov, A, Effect of Amino Acids on the Synthesis of NiFe2O4/Au Hybrid Nanoparticles, CRYSTALS, 2025, Volume 15, Issue1, DOI10.3390/cryst15010072, **WOS:001403775300001, F.I. = 2.4**	2.4		
9	Covaliu C.I., **Paraschiv G.**, Biriş S.Şt., Jitaru I., Vasile E., Diamandescu L., Velickovic T.C., Krstic M., Ionita V., Iovu H., Matei E., Maghemite and poly-DL-alanine based core–shell multifunctional nanohybrids for environmental protection and biomedicine applications, Applied Surface Science, ISSN 0169-4332, Vol.285, Part A, pg. 86-95, 2013, [I.F.=2.538] http://www.journals.elsevier.com/applied-surface-science/, http://ac.els-cdn.com/S016943321301550X/1-s2.0-S016943321301550X-main.pdf?_tid=abc1142a-7d74-11e3-b65d-00000aab0f6c&acdnat=1389742760_a03b6b04a1921e2838e6e039fab280b1, http://www.sciencedirect.com/science/article/pii/S016943321301550X CITAT ÎN:	8		
	1. Tadic, Marin, et al. Magnetic properties of novel superparamagnetic iron oxide nanoclusters and their peculiarity under annealing treatment. Applied Surface Science, 2014, 322, pp. 255-264, ISSN 0169-4332. **I.F. = 2.711, WOS:000345508700036** http://www.journals.elsevier.com/applied-surface-science/	2.711		
	2. Petrichenko, Oksana, et al. Formation of magnetoliposomes using self-assembling 1, 4-dihydropyridine derivative and maghemite γ-Fe2O3 nanoparticles. Chemistry of Heterocyclic Compounds, 2015, (ISSN: 0009-3122) vol. 51(7), pp. 672-677, DOI10.1007/s10593-015-1755-9, **I. F.=0.62, WOS:000362187800012** http://www.springer.com/chemistry/organic+chemistry/journal/10593	0.621		
	3. Afghahi, Seyyed Salman Seyyed, et al. Iron-cobalt-graphite core-shell nanoparticles as efficient electromagnetic wave absorbers at X-band frequency range. Micro & Nano Letters, IET, 2014, 9(6), pp. 412-416, ISSN: 1750-0443. **I.F. = 0,853** http://ieeexplore.ieee.org/xpl/aboutJournal.jsp?punumber=11102, **WOS:000338040700011**	0.853		
	4.Gopal S.V., Chitrambalam S., Joe I.H., Coherent source interaction, third-order nonlinear response of synthesized PEG coated magnetite nanoparticles in polyethylene glycol and its application, Optics and Laser Technology, 98, pp.84-91, 2018, ISSN: 0030-3992, **IF= 2,109, WOS:000412612800013**	2.109		
	5. Veena Gopal S., Hubert Joe I., Bio-activity of superparamagnetic maghemite nanorods capped with DL-alanine, Journal of Molecular Liquids 234, pp. 382-390, 2017, ISSN: 0167-7322, **IF = 3,648, WOS:000402342900049**	3.648		
	6. Liu X., Liu Y., Shi X., Yu Z., Feng L., Synthesis and catalytic performance of SiO2@Ni and hollow Ni microspheres, Applied Physics A: Materials Science and Processing 122 (11), 987, 2016, ISSN:0947-8396E-ISSN:1432-0630, IF = 1,455, **WOS:000387126600052**	1.455		

	7. Matei E., Predescu A.M., Coman G., Bălănescu M., Sohaciu M., Predescu C., Favier L., Niculescu M., Magnetic nanoparticles used in envinronmental engineering for Pb and Zn removal, Environmental Engineering and Management Journal, 15(5), pp. 1019-1025, 2016, ISSN 1582-9596,**F.I = 1.096, WOS:000381274100010**	1.096		
	8. Li, WH; Zhang, B; Dong, XR; Lu, Q; Shen, H; Ni, Y; Liu, YC; Song, HT, Electrospun WO3/TiO2 Core-Shell Nanowires for Triethylamine Gas Sensing, CHEMOSENSORS, Vol. 13, Issue 2, 2025, DOI10.3390/chemosensors13020045, **WOS:001430556200001, F.I. = 3.7**	3.7		
10	Parausanu I., Hadăr A.**, Paraschiv G**., Vişan C. D., Dynamic behaviour of an elastic orthotropic shaft, Materiale Plastice,Volume 50, Issue 2, pp 106-112, 2013, ISSN 0025-5289 (F.I. = 0.463). CITAT ÎN:	2		
	1. Yang, F., Pei, Y.C., Dynamics and phase-based vibration suppression of rotating flexible shaft with unstressed initial deformation under several parametric excitations, Journal of Sound and Vibration, 509,116248, 2021, **WOS:000687392800010, F.I.=3.655.**	3.655		
	2. Nemes, O., Analytical model application for adhesive cylindrical assemblies made by hybrid materials, Materiale Plastice, 2013, 50(4), 314-318. **I.F.=0.463, WOS:000329562600018**	0.463		
11	Biriş S.Şt., Vlăduţ V., Ungureanu N., **Paraschiv G.**, Voicu Gh., Development and experimental testing of a FEM model for the stress distribution analysis in agricultural soil due to artificial compaction, Agricultural Conspectus Scientificus, (ISSN 1331-7776, ISSN 1331-7768), Vol. 74 (2009), No. 1, pg. 21-29, 2009, [SCOPUS, ASFA, Biological Abstracts, BIOSIS Previews, CAB Abstracts, GEOBASE] http://hrcak.srce.hr/35766 CITAT ÎN:	2		
	1. Cueto, Omar González, et al., Three dimensional finite element model of soil compaction caused by agricultural tire traffic. Computers and electronics in agriculture, 2013, (ISSN: 0168-1699) vol. 99, pp.146-152. **Impact Factor: 1.486, DOI10.1016/j.compag.2013.08.026, WOS:000327919700019** http://www.journals.elsevier.com/computers-and-electronics-in-agriculture	1.486		
	2. Gonzalez Cueto O., Iglesias Coronel C.E., Lopez Bravo E., Recarey Morfa C.A., Herrera Suárez M., Modelling in FEM the soil pressures distribution caused by a tyre on a Rhodic Ferralsol soil, Journal of Terramechanics, vol. 63, 2016, pp. 61-67, **IF=1.198, WOS:000367774300006**	1.198		
12	Stan C., Apostol T., **Paraschiv G**., Pásztai Z., Two solutions for MSW treatment in view of landfill minimization and energy recovery maximization, UPB Scientific Bulletin, Series D: Mechanical Engineering, 76(4), 2014, pp. 247-256), [Indexata SCOPUS]. http://www.scientificbulletin.upb.ro/SeriaD_-_Inginerie_Mecanica.php?page=indexare CITAT ÎN:	1		
	Yuan J., Zhang D., Li Y., Chadwick D., Li G., Li Y., Du L., Effects of adding bulking agents on biostabilization and drying of municipal solid waste, Waste Management, 62, pp.52-60, 2017, ISSN: 0956-053X, **IF. 4.030, WOS:000401378500007**	4.03		
13	Biriş S.Şt., Maican E., **Paraschiv G.**, Vlăduţ V., Bungescu S., A model for prediction of stress state in soil below agricultural tyres using the finite element method, Scientific Bulletin of U.P.B., Seria D, Vol. 69, Nr. 4, ISSN 1454-2358, pg. 19-28, 2007, (B+, Cod CNCSIS 102), [Indexata SCOPUS].http://www.scientificbulletin.upb.ro/SeriaD_-_Inginerie_Mecanica.php?page=indexare CITAT ÎN:	2		
	1. Mion R.L., De Holanda A.S., Barroso S.H.A., Silva S.A.T., Soil tensions from different pressures caused by farm tractor tires/ [Tensões aplicadas no solo pelas diferentes pressões do pneu de um trator agrícola], Engenharia Agricola, 36(1), 2016, pp.63-77, ISSN:0100-6916, DOI10.1590/1809-4430-Eng.Agric.v36n1p63-77/2016, **IF=0,353, WOS:000374167900007**	0.353		
	2. Rosu B; Voicu G; Constantin GA; Tudor P; Stefan EM, Aspects Regarding the Physical Parameters and Wear in the Work Process of the Disc Openers for Seeding Machines, AGRICULTURE-BASEL, Volume 14, Issue 7, DOI10.3390/agriculture14071066, 2024, **WOS:001276449000001, F.I. = 3.3**	3.3		
14	Rusanescu M., Rusanescu C.O., **Paraschiv G**., Analysis of atmospheric pollutants in Bucharest in correlation with meteorological parameters, Revista de Chimie, vol. 69 (8), pp. 2005-2011, 2018, ISSN: 0034-7752, F.I. = 1.605, http://www.revistadechimie.ro/pdf/17%20RUSANESCU%20M%208%2018.pdf, WOS:000444602300017 CITAT ÎN:	1		
	1. Jiang Y., Liu C., Wen C., Long Y. Study of summer microclimate and PM2.5 concentration in campus plant communities, SCIENTIFIC REPORTS, vol. 14(1), Art. No. 3311, 2024, DOI10.1038/s41598-024-52508-3, **F.I.=4.6, WOS:001159192500006**	4.6		
15	Moiceanu G., Voicu G., Ferdes M., **Paraschiv G**., Dinca M.N., Vladut V., Gageanu I., Chitoiu M., Comparative study on biogas production using cow and swine manure mixed with Miscanthus x giganteus as substrate, Romanian Biotechnological Letters, 21(5), pp. 11968-11973, 2016, CITAT ÎN:	2		
	1.Thomas, H.L., Seira, J., Escudie, R., Carrère, H., Lime pretreatment of miscanthus: Impact on BMP and batch dry co-digestion with cattle manure, 2018, Molecules, 23(7),1608, **I.F.=3.098, WOS:000445301800111**	3.098		
	2. Song Y., Pei L., Chen G., Mu L., Yan B., Li H., Zhou T. Recent advancements in strategies to improve anaerobic digestion of perennial energy grasses for enhanced methane production. SCIENCE OF THE TOTAL ENVIRONMENT, vol. 861, Art. No. 160552, **F.I.=9.8,WOS:000901748900002,** DOI10.1016/j.scitotenv.2022.160552	9.8		
16	Georgiana Moiceanu, **Gigel Paraschiv**, Gheorghe Voicu, Mirela Dinca, Olivia Negoita, Mihai Chitoiu, Paula Tudor - Energy Consumption at Size Reduction of Lignocellulose Biomass for Bioenergy, Sustainability 2019, 11(9), 2477; Special Issue Economic and Environmental Impact Assessment of Renewable Energy from Biomass, https://doi.org/10.3390/su11092477, WOS:000469518700025, F.I.= 2.576, CITAT ÎN:	42		
	1. Addo, PW (Addo, Philip Wiredu), Brousseau, VD (Brousseau, Vincent Desaulniers), Morello, V (Morello, Victorio), MacPherson, S (MacPherson, Sarah), Paris, M (Paris, Maxime), Lefsrud, M (Lefsrud, Mark), Cannabis chemistry, post-harvest processing methods and secondary metabolite profiling: A review, INDUSTRIAL CROPS AND PRODUCTS, Volume170, Article Number113743, DOI10.1016/j.indcrop.2021.113743, Published OCT 15 2021, ISSN0926-6690, **I.F. = 5,645, WOS:000690448000008**	5.645		
	2. Munagala, M., Shastri, Y., Nalawade, K., Konde, K., Patil, S., Life cycle and economic assessment of sugarcane bagasse valorization to lactic acid, WASTE MANAGEMENT, Volume 126, Page 52-64, DOI10.1016/j.wasman.2021.02.052, 2021, ISSN0956-053X, **I.F.=7.145, WOS:000655586100006**	7.145		
	3. Urbaniak, D., Otwinowski, H., Wylecial, T., Zhukov, VP., Barochkin, AY., Boryca, J., Research on the Grinding Energy Density in a Jet Mill, MATERIALS, Volume14, Issue8, Article Number2008, DOI10.3390/ma14082008, Published APR 2021, eISSN 1996-1944, **I.F. = 3.623, WOS:000644513900001**	3.623		
	4. Chuetor, S (Chuetor, Santi), Ruiz, T (Ruiz, Thierry), Barakat, A (Barakat, Abdellatif), Laosiripojana, N (Laosiripojana, Navadol), Champreda, V (Champreda, Verawat), Sriariyanun, M (Sriariyanun, Malinee), Evaluation of rice straw biopowder from alkaline-mechanical pretreatment by hydro-textural approach, BIORESOURCE TECHNOLOGY,Volume 323, Article Number 124619, DOI10.1016/j.biortech.2020.124619, 2021, ISSN0960-8524, **I.F.= 9,642, WOS:000614252600003**	9.642		
	5. Knapczyk, A (Knapczyk, Adrian), Francik, S (Francik, Slawomir), Jewiarz, M (Jewiarz, Marcin), Zawislak, A (Zawislak, Agnieszka), Francik, R (Francik, Renata), Thermal Treatment of Biomass: A Bibliometric Analysis-The Torrefaction Case, ENERGIES, Vol.14(1), Article Number162, DOI10.3390/en14010162, 2021, eISSN1996-1073, **I.F. 3,004, WOS:000605782200001**	3.004		
	6. Francik S., Knapczyk A., Knapczyk A., Francik R., Decision Support System for the Production of Miscanthus and Willow Briquettes, ENERGIES, vol. 13 (6), art. No. 1364, 2020, DOI: 10.3390/en13061364, **WOS:000528727500069, F.I.=2.702**	2.702		
	7. Weimer P., Hall M.B., The potential for biomimetic application of rumination to bioreactor design, BIOMASS & BIOENERGY, vol. 143, art no. 105822, 2020, DOI: 10.1016/j.biombioe.2020.105822, **WOS:000596370200006, F.I.=3.551**	3.551		
	8. Lat Reano R., Halog A., Analysis of carbon footprint and energy performance of biohydrogen production through gasification of different waste agricultural biomass from the Philippines, BIOMASS CONVERSION AND BIOREFINERY, 2020, DOI: 10.1007/s13399-020-01151-9, **WOS:000590896100001, F.I.=2.602**	2.602		
	9. Oyedeji O., Gitman P., Qu J., Webb E., Understanding the Impact of Lignocellulosic Biomass Variability on the Size Reduction Process: A Review, ACS SUSTAINABLE CHEMISTRY & ENGINEERING, vol. 8(6), pp. 2327-2343, 2020, DOI10.1021/acssuschemeng.9b06698, **F.I.=8.19, WOS:000514488600001**	8.19		
	10. Abraham A., Mathew A.K., Park H., Choi O., Sindhu R., Parameswaran B., Pandey A., Park J.H., Sang B.I., Pretreatment strategies for enhanced biogas production from lignocellulosic biomass, BIORESOURCE TECHNOLOGY, vol. 301, Art. no. 122725, 2020, DOI10.1016/j.biortech.2019.122725, **F.I.=11.4, WOS:000509989500045**	11.4		
	11. Yan J., Oyedeji O., Leal J.H., Donohoe B.S., Semelsberger T.A., Li C., Hoover A.N., Webb E., Bose E.A., Zeng Y.N., Williams C.L., Schaller K. D., Sun N., Ray A.E., Tanjore D., Characterizing Variability in Lignocellulosic Biomass: A Review, ACS SUSTAINABLE CHEMISTRY & ENGINEERING, vol. 8(22), pp. 8059-8085, 2020, DOI10.1021/acssuschemeng.9b06263, **F.I.=8.19**, **WOS:000541445800001**	8.19		
	12. Okafor C.E., Onovo A.C., Ihueze C.C., Predictive Energy Requirement Models in Bio-fiber Comminution Process, SN APPLIED SCIENCES, vol. 2(12), art. No. 2047, 2020, DOI10.1007/s42452-020-03781-0 **F.I.=1.55, WOS:000592449000009**	1.55		
	13. Lomovskiy I., Bychkov A., Lomovsky O., Skripkina T., Mechanochemical and Size Reduction Machines for Biorefining, MOLECULES, vol. 25 (22), art. No. 5345, 2020, DOI: 10.3390/molecules25225345, **WOS:000594217200001, F.I.=3.267**	3.267		
	14. Marczuk A., Blicharz-Kania A., Savinykh P.A., Isupov A.Y., Palichyn A.V., Ivanov I.I., Studies of a Rotary-Centrifugal Grain Grinder Using a Multifactorial Experimental Design Method, SUSTAINABILITY, vol. 11(19), art no. 5362, 2019, DOI: 10.3390/su11195362, eISSN: 2071-1050, **WOS:000493525500221, F.I=2.576**	2.576		
	15. Zhang Y., Kusch-Brandt S., Gu S., Heaven S. Particle Size Distribution in Municipal Solid Waste Pre-Treated for Bioprocessing, RESOURCES-BASEL, vol. 8(4), art. No. 166, 2019, DOI10.3390/resources8040166, **F.I.=3.3, WOS:000505740100026**	3.3		
	16. Braginets S.V., Bakhchevnikov O. N., Alferov A.S., Experimental Data of Grinding Dried Fibrous Plant Materials, ENGINEERING TECHNOLOGIES AND SYSTEMS, vol. 31(4), pp. 591-608, 2021, DOI10.15507/2658-4123.031.202104.591-608, **F.I.=0.3, WOS:000734442900007**	0.3		

	17. Kruszelnicka W., Opielak M., Ambrose K., Pukalskas S., Tomporowski A., Walichnowska P. Energy-Dependent Particle Size Distribution Models for Multi-Disc Mill. MATERIALS, vol. 15(17), Article Number: 6067, 2022, DOI10.3390/ma15176067, **F.I.=3.748, WOS:000851919100001.**	3.748		
	18. Berger M., Devaux M.F., Mayer-Laigle C., Reau A., Delord B., Guillon F., Barron C. Friability of Maize Shoot (Zea mays L.) in Relation to Cell Wall Composition and Physical Properties. AGRICULTURE-BASEL, vol. 12(7), Article Number: 951, 2022, DOI10.3390/agriculture12070951, **F.I.=3.408, WOS:000833769700001.**	3.408		
	19. Bychkov A., Matveeva A., Introducing Students to Energy-Efficient Mechanochemistry of Biopolymers. JOURNAL OF CHEMICAL EDUCATION, 2022, DOI10.1021/acs.jchemed.1c01164, **F.I. =3.208, WOS:000818774000001.**	3.208		
	20. Areepak C., Jiradechakorn T., Chuetor S., Phalakornkule C., Sriariyanun M., Raita M., Champreda V., Laosiripojana N. Improvement of lignocellulosic pretreatment efficiency by combined chemo - Mechanical pretreatment for energy consumption reduction and biofuel production. RENEWABLE ENERGY, vol. 182, pp. 1094-1102, 2022, DOI10.1016/j.renene.2021.11.002, **F.I.=8.634, WOS:000766032500014.**	8.634		
	21. Arce C., Kratky L., Effect of the rotor blade geometry on particle size and energy demand for knife-milled beech chips: Experimental identification and mathematical modelling, BIOSYSTEMS ENGINEERING, vol. 236, pp. 120-130, 2023, **F.I.=5.1**, DOI10.1016/j.biosystemseng.2023.10.014, **WOS:001114883700001**	5.1		
	22. Babatunde E.O., Gurav R., Hwang S., Recent Advances in Invasive Aquatic Plant Biomass Pretreatments for Value Addition, WASTE AND BIOMASS VALORIZATION, vol. 14(11), pp. 3503-3527, 2023, **F.I.=3.2**, DOI10.1007/s12649-023-02186-5, **WOS:001008770100001**	3.2		
	23. Mansour M.N., Lendormi T., Louka N., Maroun R.G., Hobaika Z., Lanoiselle J.L. Anaerobic Digestion of Poultry Droppings in Semi-Continuous Mode and Effect of Their Co-Digestion with Physico-Chemical Sludge on Methane Yield, SUSTAINABILITY, vol. 15(7), art. no 5997, 2023, **F.I.=3.9**, DOI10.3390/su15075997, **WOS:000970517300001**	3.9		
	24. Tryjarski P., Lisowski A., Gawron J., Obstawski P. Physicomechanical properties of raw and comminuted pine and poplar shavings: energy consumption, particle size distribution and flow properties, WOOD SCIENCE AND TECHNOLOGY, vol. 57(3), pp. 625-649, 2023, **F.I. = 3.4**, DOI10.1007/s00226-023-01466-6, **WOS:000952072200001**	3.4		
	25. Chahal A., Ciolkosz D., Puri V., Liu J., Jacobson M. A TECHNOECONOMIC MODEL FOR ESTIMATING COSTS OF HARVESTING AND DEBARKING SHRUB WILLOW, APPLIED ENGINEERING IN AGRICULTURE, vol. 39(4), pp.399-408, 2023, DOI10.13031/aea.15454, **F.I.=0.9, WOS:001083732300003**	0.9		
	26. Gallego-Garcia M., Moreno A.D., Manzanares P., Jose Negro M., Duque A. Recent advances on physical technologies for the pretreatment of food waste and lignocellulosic residues, BIORESOURCE TECHNOLOGY, vol. 369, art no. 128397, 2023, **F.I.=11.4**, DOI10.1016/j.biortech.2022.128397, **WOS:000902077300001**	11.4		
	27. Cortazar M., Santamaria L., Lopez G., Alvarez J., Zhang L., Wang R., Bi X., Olazar M. A comprehensive review of primary strategies for tar removal in biomass gasification, ENERGY CONVERSION AND MANAGEMENT, vol. 276, art. no. 116496, 2023, DOI10.1016/j.enconman.2022.116496, **F.I.=10.4, WOS:000896984600001**	10.4		
	28. Banu J.R., Kavitha S., Kannah R.Y., Jayakodi J., Kumar G., Tyagi V.K., Bhatia S.K., Effect of surfactant addition on disperser disintegration of water hyacinth: a new insight to overcome the inhibitory effects of lignin on methanogenesis and improve the energy and economic aspects, SUSTAINABLE ENERGY & FUELS, vol. 7(2), pp. 502-514, 2023, DOI10.1039/d2se01194h, **F.I.=5.6, WOS:000901133600001**	5.6		
	29. Shah S., Dijkstra J.W., Wray H.E., Process evaluation of mild hydrothermal carbonization to convert wet biomass residue streams into intermediate bioenergy carriers, BIOMASS & BIOENERGY, vol. 181, art no 107036, 2024, DOI10.1016/j.biombioe.2023.107036 **F.I.=6, WOS:001150897400001**	6		
	30. Lara-Topete G.O., Castanier-Rivas J.D., Gradilla-Hernandez M.S., Gonzalez-Lopez M.E., Life cycle assessment of agave bagasse management strategies: PLA biocomposites versus conventional waste disposal practices, SUSTAINABLE CHEMISTRY AND PHARMACY, vol. 37, art. no 101435, DOI10.1016/j.scp.2024.101435, **F.I.=6, WOS:001166380200001**	6		
	31. Ziaei-Rad Z; Pazouki M, Cost-effective ionic liquid pretreatment of poplar wood for biofuel production: An optimization study using response surface methodology, INDUSTRIAL CROPS AND PRODUCTS, Volume 219, DOI10.1016/j.indcrop.2024.119036, 2024, **WOS:001265782700001, F.I. = 5.6**	5.6		
	32. Ding, KL; Liu D; Chen XL; Zhang H; Shi S; Guo XJ; Zhou L; Han LJ; Xiao WH, Scalable lignocellulosic biorefineries: Technoeconomic review for efficient fermentable sugars production, RENEWABLE & SUSTAINABLE ENERGY REVIEWS, Volume 202, DOI10.1016/j.rser.2024.114692, 2024, **WOS:001261297100001, F.I. = 16.3**	16.3		
	33. Fei XH; Jia WB; Shah AJ, Techno-economic analysis of electron beam irradiation pretreatment of corn straw for anaerobic digestion, SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, Volume 65, DOI10.1016/j.seta.2024.103736, **WOS:001218399600001, F.I.= 7.1**	7.1		
	34.Abilzhanuly, T; Iskakov, R; Nurgozhayev, S; Abilzhanov, D; Seipataliyev, O; Kosherbay, D, Mathematical Modeling of the Processes of Mowing, Oriented Feeding, and Chopping of Stalk Forage by a Forage Harvester, AGRIENGINEERING, Vol. 6, Issue 4, Pag. 4766-4785, 2025, DOI10.3390/agriengineering6040273, **WOS:001384295400001, F.I. = 3**	3		
	35.Wang, SC; Guo, XL; Zhang, X; Lu, HF; Liu, HF, Optimization of drying conditions considering specific energy consumption and particle size: Application to post-drying comminution of eucalyptus chips, POWDER TECHNOLOGY, Vol. 453, 2025, DOI10.1016/j.powtec.2025.120697, **WOS:001413557600001, F.I. = 4.6**	4.6		
	36.Azarpour, A; Zendehboudi, S; Saady, NMC, Deterministic Models for Performance Analysis of Lignocellulosic Biomass Torrefaction, ACS OMEGA, Vol. 10, Issue 7, Pag.6470-6501, 2025, DOI10.1021/acsomega.4c06610, **WOS:001423183500001, F.I. = 4.3**	4.3		
	37.Ding, L; Cheng, MH; Lin, YQ; Lin, KT; Sale, KL; Sun, N; Donohoe, BS; Ray, AE; Li, CL, Understanding the impacts of inorganic species in woody biomass for preprocessing and pyrolysis-A review, ENERGY, Vol. 322, 2025, DOI10.1016/j.energy.2025.135697, **WOS:001455798000001, F.I. = 9.4**	9.4		
	38.Mayer-Laigle, C; Chilah, B; Barron, C , How do mechanical stresses and stress intensity govern the morphology of milled miscanthus particles?, POWDER TECHNOLOGY, Vol.458, 2025, DOI10.1016/j.powtec.2025.120987, **WOS:001469033200001, F.I. = 4.6**	4.6		
	39.Arce, C; Krátky, L, Comparing the Impact of Knife and Ball Milling of Beech Chips on the Particle Size Characteristics, WASTE AND BIOMASS VALORIZATION, 2025, DOI10.1007/s12649-025-03119-0, **WOS:001497738300001, F.I. = 2.8**	2.8		
	40.Franus l, M; Barnat-Hunek, D; Jarosz-Hadam, M; Grzegorczyk-Franczak, M; Trnik, A; Fronczyk, J, The impact of sanitary ceramic wastes and corn stalk digestate on the microstructure and physico-mechanical properties of ceramic bricks, JOURNAL OF BUILDING ENGINEERING, Vol. 104, 2025, DOI10.1016/j.jobe.2025.112394, **WOS:001455744100001, F.I.=7.4**	7.4		
	41. Leite-Barbosa, O; da Silva, MS; Santos, DCD; Braga, FCF; de Oliveira, MFL; de Oliveira, MG; Monteiro, SN; Veiga, VF Jr, PBAT biocomposites reinforced with açai seed residues: Exploring sustainable material development, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, 2025, Volume 37, Page 524-536, DOI10.1016/j.jmrt.2025.06.008, WOS:001510716400001, F.I. = 6.6	6.6		
	42.Ríos-Saucedo, JC; Rosales-Serna, R; Carrillo-Parra, A; Nava-Berumen, CA; Cano-Pineda, A; Aquino-Ramírez, M; Martínez-Villela, JM, Energy Production and Process Costing for Biomass Obtained from Underutilized Plant Species in México and Colombia, PROCESSES, 2025, Volume 13, Issue 6, DOI10.3390/pr13061878, WOS:001514946500001, F.I. = 2.8	2.8		
17	Moiceanu G., Voicu P., **Paraschiv G.**, Voicu Gh., Behaviour of Miscanthus at cutting shear with straight knives with different edge angle, Environmental Engineering and Management Journal, Vol. 16 (5), pp. 1203-1209, 2017, Print ISSN: 1582-9596, eISSN: 1843-3707, F.I. = 1.096, WOS:000409069600022.	10		
	1. Moll L., Wever C., Voelkering G., Pude, Increase of Miscanthus Cultivation with New Roles in Materials Production-A Review, AGRONOMY-BASEL, vol. 10 (2), art. No. 308, 2020, DOI: 10.3390/agronomy10020308, **WOS:000521366400159**, **F.I.=2.603**	2.603		
	2. Van-Dam V., Quoc-Huy N., Thanh-Toan N., Huu-Cong N., Quoc-Tuan N., Van-Du N., Multi-objective optimisation of cutting force and cutting power in chopping agricultural residues, BIOSYSTEMS ENGINEERING, vol. 191, pp. 107-115, 2020, **WOS:000518703700009, F.I.=3.215**	3.215		
	3. Vu V.D, Ngo Q.H., Nguyen T.T., Nguyen H.C., Nguyen Q.T., Nguyen V.D., Multi-objective optimisation of cutting force and cutting power in chopping agricultural residues, BIOSYSTEMS ENGINEERING, vol. 191, pp. 107-115, 2020, DOI10.1016/j.biosystemseng.2020.01.007, **F.I.=5.1, WOS:000518703700009**	5.1		
	4. Wang W., Lv X., Yi Z., Parameter Optimization of Reciprocating Cutter for Chinese Little Greens Based on Finite Element Simulation and Experiment. AGRICULTURE-BASEL, vol. 12(12), 2022, Art. No.: 2131, DOI10.3390/agriculture12122131, **F.I.= 3.408, WOS:000900221600001.**	3.408		
	5. Francik S., Knapik P., Lapczynska-Kordon B., Francik R., Slipek Z. Values of Selected Strength Parameters of Miscanthus x Giganteus Stalk Depending on Water Content and Internode Number, MATERIALS, vol. 15(4), Article Number: 1480, 2022, DOI10.3390/ma15041480, **F.I. = 3.748, WOS:000765094000001.**	3.748		
	6.Liu XT; Gao P; Qi HY; Zhang QF; Guo MZ ; Ma YH, Interaction Mechanisms between Blades and Maize Root-Soil Composites as Affected by Key Factors: An Experimental Analysis, AGRICULTURE-BASEL, Volume14, Issue7, DOI10.3390/agriculture14071179, 2024, **WOS:001276675300001, F.I. = 3.3**	3.3		
	7.Styks, J; Wróbel, M, Modular Open Chamber Stand for Biomass Densification Using the Example of Miscanthus x Giganteus Greef Et Deu, SUSTAINABILITY, Vol. 16, Issue 16,2024, DOI10.3390/su16167123, WOS:001307551400001, F.I. = 3.3	3.3		
	8. Li, ZY ; Wang, GQ; Jia, WD; Ou, MX; Dong, X; Zhang, T; Chen, H; Wang, CY, Effects of cutting parameters on the ultimate shear stress and specific cutting energy of Canadian goldenrod stem, EUROPEAN JOURNAL OF HORTICULTURAL SCIENCE, Vol. 89, Issue 6, 2024, DOI10.17660/eJHS.2024/032, **WOS:001386518500008, F.I. = 0.6**	0.6		
	9.Liu, WH; Su, Q; Yu, ZH; Liu, ZX; Ma, XJ; Zhu, ZW, Performance optimization of cutting devices for Caragana Korshinskii Kom.: a multiscale analysis of sliding cutting angles WOOD MATERIAL SCIENCE & ENGINEERING, 2025, DOI10.1080/17480272.2025.2470376, **WOS:001435651900001, F.I. = 2.1**	2.1		

	10.Song, SY; Zhou, HP; Jia, ZC; Xu, LY; Zhang, C; Shi, MH; Hu, GM, Effects of cutting parameters on the ultimate shear stress and specific cutting energy of sisal leaves, BIOSYSTEMS ENGINEERING, 2025, Volume 218, Pag 189-199, DOI10.1016/j.biosystemseng.2022.03.011, **WOS:000800375700007, F.I. = 5.3**	5.3		
18	Oprea F., Onofrei M., Lupu D., Vintila G., **Paraschiv G.**, The determinants of economic resisilience. The case of Eastern European Regions, Sustainability 2020, Vol. 12, Issue 10, 4228, doi:10.3390/su12177205, WOS:000543421400286, F.I.= 2.576.	28		
	1. Cui, W., Chen, J., Xue, T., Shen, H., The economic resilience cycle evolution and spatial-temporal difference of tourism industry in guangdong-hong kong-macao greater bay area from 2000 to 2019, Sustainability (Switzerland), 13(21),12092, 2021, **WOS:000719534300001, F.I. = 3.251.**	3.251		
	2. Hidayat, Y., Purwandari, T., Subiyanto, Sukono, Identifying unwanted conditions through chaotic area determination in the context of indonesia's economic resilience at the city level, Sustainability (Switzerland), 13(9), 5183, 2021, **WOS:000650850200001, F.I. = 3.251.**	3.251		
	3. Walecka, A., The role of relational capital in anti-crisis measures undertaken by companies—conclusions from a case study, Sustainability (Switzerland), 13(2), 780, pp. 1-16, 2021, **WOS:000612059400001, F.I. = 3.251.**	3.251		
	4. Mayor M., Ramos R., Regions and Economic Resilience: New Perspectives, SUSTAINABILITY, vol. 12 (11), art. No. 4693, 2020, DOI: 10.3390/su12114693, **WOS:000543391800356, F.I.=2.576**	2.576		
	5.Pavlik A., Zenka J., Economic resilience of European rural regions in 2000 - 2016: a case study of four EU countries, GEOGRAPHIA CASSOVIENSIS, vol. 14(2), pp. 178-191, 2020, DOI10.33542/GC2020-2-04, **F.I.=0.3, WOS:000600194400004**	0.3		
	6. Duan W., Madasi J.D., Khurshid A., Ma D. Industrial structure conditions economic resilience. TECHNOLOGICAL FORECASTING AND SOCIAL CHANGE, vol. 183, Article Number: 121944, 2022, DOI10.1016/j.techfore.2022.121944. **F.I.=10.884, WOS:000848103700002.**	10.884		
	7. Arcidiacono A., Torrisi G., Decentralisation and Resilience: A Multidimensional Approach. SUSTAINABILITY, vol. 14(16), Article Number: 9919, 2022, DOI10.3390/su14169919, **F.I.=3.889, WOS:000845247700001.**	3.889		
	8. Iordache A.M.M., Zamfir I.C., Alexandru I. Studying the cyclicality of the economy and prediction of new high risk of economic crises: a case study on the European countries from 1995 to 2018. ECONOMIC RESEARCH-EKONOMSKA ISTRAZIVANJA, vol. 36(1), pp. 296-311, 2023/Early access 2022, DOI10.1080/1331677X.2022.2076143, **F.I.=3.08, WOS:000796852600001.**	3.08		
	9. Lee C.T., Hu J.L., Kung M.H., Economic Resilience in the Early Stage of the COVID-19 Pandemic: An Across-Economy Comparison. SUSTAINABILITY, vol. 14(8), Article Number: 4609, 2022, DOI10.3390/su14084609, **F.I.=3.889, WOS:000785452600001.**	3.889		
	10. Walachowski KAROL, Urban resilience- an attempt to characterise the concept, GEOGRAFICZNEGO-STUDIES OF THE INDUSTRIAL GEOGRAPHY COMMISSION OF THE POLISH GEOGRAPHICAL SOCIETY, vol. 36(3), pp. 20-29, 2022, DOI10.24917/20801653.363.2, **F.I.=0.3, WOS:000869469900005**	0.3		
	11. Purwandari T., Sukono, Hidayat Y., Ahmad WMAW., Developing New Method in Measuring City Economic Resilience by Imposing Disturbances Factors and Unwanted Condition, COMPUTATION, vol. 10(8), art. No. 135, 2022, DOI10.3390/computation10080135, **F.I.=2.2, WOS:000846201100001**	2.2		
	12. Montrimas A., Bruneckiene, J., Giziene V., Measuring Economic Resilience through Industrial Portfolio: the Cases of New EU Member States Since 2004, INZINERINE EKONOMIKA-ENGINEERING ECONOMICS, vol. 34(5), pp. 593-611, 2023, **F.I.=2.8**, DOI10.5755/j01.ee.34.5.35515, **WOS:001132954200001**	2.8		
	13. Cheng A.T., Spatial Concentration in Relation to Industrial Resilience, SUSTAINABILITY, vol.15(4), art. no. 3546, 2023, **F.I.=3.9**, DOI10.3390/su15043546, **WOS:000940013400001**	3.9		
	14. Hu J.L., Chang T.Y., Energy Resilience: A Cross-Economy Comparison, ENERGIES, vol. 16(5), 2023, art no. 2214, **F.I.=3.2**, DOI10.3390/en16052214, **WOS:000946933400001**	3.2		
	15. Sutton J., Arcidiacono, A., Torrisi, G., Arku, R.N., Regional economic resilience: A scoping review, PROGRESS IN HUMAN GEOGRAPHY, vol. 47(4), pp. 500-532, 2023, **F.I.=7.1**, DOI10.1177/03091325231174183, **WOS:001002284200001**	7.1		
	16. Duran H.E., Elburz, Z., Kourtit, K., Nijkamp, P., Region-specific turning points in territorial economic resilience: a business cycle approach to Turkey, AREA DEVELOPMENT AND POLICY, vol. 9(1), pp. 45-66, 2024, **F.I.=2.9**, DOI10.1080/23792949.2023.2197033, **WOS:000994765100001**	2.9		
	17. Zhang J., Zhang, S., Huang X., Zhang Z., Jin C., Spatiotemporal Evolution of Coordinated Development between Economic Resilience and Green Finance under the Background of Sustainable Development, SUSTAINABILITY, vol. 15(11), art. no. 9101, 2023, **F.I.=3.9,** DOI10.3390/su15119101, **WOS:001006415700001**	3.9		
	18. Lavopa A., Donnelly C., Socioeconomic resilience during the COVID-19 pandemic. The role of industrial capabilities, STRUCTURAL CHANGE AND ECONOMIC DYNAMICS, vol. 67, pp. 44-57, 2023, **F.I.=6.1**, DOI10.1016/j.strueco.2023.06.004, **WOS:001037446500001**	6.1		
	19. Nchofoung Tii N., Ngouhouo I., Determinants of economic resilience response in sub-Saharan Africa to a common exogenous shock: roles of demographic differences, exchange rate regimes and institutional quality, JOURNAL OF SOCIAL AND ECONOMIC DEVELOPMENT, 2023, **F.I.=1.1**, DOI10.1007/s40847-023-00258-9, **WOS:001028750200001**	1.1		
	20. Khan W., Islam M.S., Hossain N.U.I., Fazio S. Measuring economic resilience of manufacturing organization leveraging integrated data envelopment analysis (DEA)-machine learning approach, INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE AND ENGINEERING MANAGEMENT, 2023, **F.I.=4.8**, DOI10.1080/17509653.2023.2267505, **WOS:001083799600001**	4.8		
	21. Yu R., Xia X., Huang T., Zhang S., Zhou W., Has the Establishment of High-Tech Zones Improved Urban Economic Resilience? Evidence from Prefecture-Level Cities in China, LAND, vol. 13(2), art. No. 241, 2024, DOI10.3390/land13020241, **F.I.= 3.9, WOS:001169687000001**	3.9		
	22. Grosu M., Mihalciuc C.C., Maha L.G., Apostol C., Assessing the resilience of the financial market - a multistage approach in the context of the COVID-19 pandemic, EASTERN EUROPEAN ECONOMICS, 2024, DOI10.1080/00128775.2024.2312109, **F.I.=1.1, WOS:001158471600001**	1.1		
	23. Cheng K, Wang X ,Liu S , Zhuang Y , Spatial differences and dynamic evolution of economic resilience: from the perspective of China's eight comprehensive economic zones, ECONOMIC CHANGE AND RESTRUCTURING, Volume 57, Issue 2, 2024, DOI10.1007/s10644-024-09665-2, **WOS:001190534200004, F.I. = 4**	4		
	24. Kusar S, Selected Socio-Economic Aspects of the Last Two Economic Crises in Slovenia Assessed through a Three-Stage Territorial Model, ECONOMIES Volume 12, Issue7, DOI10.3390/economies12070189, 2024, **WOS:001277661800001, F.I. = 2.1**	2.1		
	25. Grosu M; Mihalciuc CC; Maha LG; Apostol C, Assessing the resilience of the financial market - a multistage approach in the context of the COVID-19 pandemic, EASTERN EUROPEAN ECONOMICS, DOI10.1080/00128775.2024.2312109, 2024, **WOS:001158471600001, F.I.=1.3**	1.3		
	26.Ma, X; Jia, F, Spatiotemporal Evolution and Convergence Analysis of Urban Economic Resilience in China-A Case Study of Jiangsu Province, SUSTAINABILITY, Vol. 16, Issue 21, 2024, DOI10.3390/su16219440, **WOS:001352082300001, F.I. = 3.3**	3.3		
	27.Rimidis, M; Butkus, M, From Adversity to Advantage: A Systematic Literature Review on Regional Economic Resilience, URBAN SCIENCE, Vol. 9, Issue 4, 2025, DOI10.3390/urbansci9040118, **WOS:001476611800001, F.I. = 2.9**	2.9		
	28.Choi, YW; Yoon, DK, Exploring the Role of Community Collaborative Networks in Disaster Risk Management in Korea, SUSTAINABLE DEVELOPMENT, 2025, DOI10.1002/sd.3543, **WOS:001497993000001, F.I. = 8.2**	8.2		
19	Onofrei M., Gavriluță (Vatamanu) A., Bostan I., Oprea F., **Paraschiv G**., Lazăr C.M. The Implication of Fiscal Principles and Rules on Promoting Sustainable Public Finances in the EU Countries. Sustainability 2020, 12, 2772. https://doi.org/10.3390/su12072772, WOS:000531558100197 F.I.= 2.576.	18		
	1. Sabău-Popa, C.D., Rus, L., Gherai, D.S., Mare, C., Țara, I.G. Study on companies from the energy sector from the perspective of performance through the operating cash flow, Energies, 14(12), 3667, 2021, **F.I.= 3.004, WOS:000666542100001.**	3.004		
	2. Țibulcă, I.-L. Debt sustainability: Can EU member states use environmental taxes to regain fiscal space? Sustainability (Switzerland), 13(11), 5952, 2021, **WOS:000660721500001, F.I. = 3.251**.	3.251		
	3. Nakatani, R. Fiscal rules for natural disaster- and climate change-prone small states, Sustainability (Switzerland), 13(6), 3135, 2021, **WOS:000645690400001, F.I. = 3.251.**	3.251		
	4. Tugui A., Agheorghiesei D.T., Asandului L., An Informal Ethics Auditing in Authorized Valuation for Business Sustainability in Romania, SUSTAINABILITY, vol. 12 (20), art. No. 8562, 2020, **WOS:000583105100001, F.I.=2.576**	2.576		
	5. Bunget O.C., Mates D., Dumitrescu A.C., Bogdan O., Burca V., The Link between Board Structure, Audit, and Performance for Corporate Sustainability, SUSTAINABILITY, vol. 12(20), art. No. 8408, 2020, **WOS:000583078800001, F.I.=2.576**	2.576		
	6. Firtescu B.N., Marcu N., Oprea F., Filip B., Nicula V.C., Capital formation, consumption and trade effects on economic growth - an ARDL based investigation for the eurozone countries, TRANSFORMATIONS IN BUSINESS & ECONOMICS, vol. 19 (2B), pp. 849-874, 2020, **WOS:000630908100012, F.I.=1.621**	1.621		
	7. Zahariev A., Radulova A., Aleksandrova A., Petrova M., FISCAL SUSTAINABILITY AND FISCAL RISK IN THE EU: FORECASTS AND CHALLENGES IN TERMS OF COVID-19, ENTREPRENEURSHIP AND SUSTAINABILITY ISSUES, vol. 8(3), pp. 618-632, 2021, DOI10.9770/jesi.2021.8.3(39), **F.I.=1.7, WOS:000620140400038**	1.7		
	8. Ali S., Yan Q., Irfan M., Ameer W., Atchike D.W., Acevedo-Duque A. Green Investment for Sustainable Business Development: The Influence of Policy Instruments on Solar Technology Adoption. FRONTIERS IN ENERGY RESEARCH, vol. 10, DOI10.3389/fenrg.2022.874824, 2022, **F.I.=3.858, WOS:000795675600001.**	3.858		
	9. Stawska J., Jablonska M., Determinants of Inclusive Growth in the Context of the Theory of Sustainable Finance in the European Union Countries. SUSTAINABILITY, vol. 14(1), Article Number: 100, 2022, DOI10.3390/su14010100. **F.I.=3.889, WOS:000741762400001**	3.889		
	10. Buste J.L.R., Cedeno R.R.N., Banderas F.J.C., Ocho N.V.V., ASSESSMENT OF THE DAMAGE CAUSED TO THE ECUADORIAN STATE BY NON- EXISTENT OR GHOST COMPANIES, REVISTA UNIVERSIDAD Y SOCIEDAD, vol. 14, pp. 551-559, supplement 4, 2022 **F.I.=0.3, WOS:000861263500057**	0.3		

	11. Sharma G.D., Shahbaz, M., Singh, S., Chopra, R., Cifuentes-Faura, J., Investigating the nexus between green economy, sustainability, bitcoin and oil prices: Contextual evidence from the United States, RESOURCES POLICY, vol. 80, art. no. 103168, 2023, **F.I.=10.2**, DOI10.1016/j.resourpol.2022.103168, **WOS:000918939300007**	10.2		
	12. Mackiewicz M., THE CYCLICAL BEHAVIOUR OF FISCAL POLICY: ARE DEVELOPING COUNTRIES DIFFERENT, AND DO INSTITUTIONS MATTER, TECHNOLOGICAL AND ECONOMIC DEVELOPMENT OF ECONOMY, vol. 29(3), pp. 796-813, 2023, **F.I.=5.9,** DOI10.3846/tede.2023.18709, **WOS:000973221800003**	5.9		
	13. Robu I.B., Aevoae G.M., Mardios D.N., Herghiligiu I.O., Mergers & Acquisition Decisions in the Energy Sector Based on Financial Transparency and Audit Opinions, EASTERN EUROPEAN ECONOMICS, 2023, **F.I.=1.1**, DOI10.1080/00128775.2023.2225484, **WOS:001026472900001**	1.1		
	14. Musa K; Janssen M; Said, J; Zakaria NB; Erum, N, The Impact of Public Debt and Quality of Governance on Economic Growth in High-Income Countries, JOURNAL OF THE KNOWLEDGE ECONOMY, 2024, DOI10.1007/s13132-024-02073-x, **WOS:001235770600003, F.I. = 4**	4		
20	Ana-Maria Bercu, **Gigel Paraschiv,** Dan Lupu, Investigating the Energy–Economic Growth–Governance Nexus: Evidence from Central and Eastern European Countries, Sustainability 2019, 11(12), 3355; https://doi.org/10.3390/su11123355, Special Issue Resilient Infrastructure Systems and Sustainable Economic Growth, WOS:000473753700125, F.I.= 2.576.	40		
	1. Adedoyin, F., Abubakar, I., Bekun, F., Sarkodie, S.A., Generation of energy and environmental-economic growth consequences: Is there any difference across transition economies? ENERGY REPORTS, vol. 6, pp. 1418-1427, DOI10.1016/j.egyr.2020.05.026, **F.I.=5.2, WOS:000602998000006**	5.2		
	2. Islam M.M., Islam M.S., Energy consumption-economic growth nexus within the purview of exogenous and endogenous dynamics: evidence from Bangladesh, OPEC ENERGY REVIEW, vol. 45(2), pp. 191-216, 2021, DOI10.1111/opec.12195, **F.I.=2.2, WOS:000614849000001**	2.2		
	3. Rahman M.M., Alam K., Exploring the driving factors of economic growth in the world's largest economies, HELIYON, vol. 7(5), art. No. e07109, 2021, DOI10.1016/j.heliyon.2021.e07109, **F.I.=4, WOS:000687258800010**	4		
	4. Shahid, I.A., Ullah, K., Khan, A.N., (...), Miller, C.A., Khan, Z.A. Nexus between household energy and poverty in poorly documented developing economies—perspectives from Pakistan, Sustainability (Switzerland) 13(19), 10894, 2021, **WOS:000707472300001, F.I.=3.251.**	3.251		
	5. Alsaleh, M., Abdul-Rahim, A.S., Abdulwakil, M.M., The importance of worldwide governance indicators for transitions toward sustainable bioenergy industry, Journal of Environmental Management 294,112960, 2021, **WOS:000677931300009, F.I.=6.789.**	6.789		
	6. Christoforidis, T., Katrakilidis, C., Karakotsios, A., Dimitriadis, D. The dynamic links between nuclear energy and sustainable economic growth. Do institutions matter? Progress in Nuclear Energy, 139,103866, 2021, **WOS:000689719300002, F.I.=2.256.**	2.256		
	7. Abid, N., Ikram, M., Wu, J., Ferasso, M. Towards environmental sustainability: Exploring the nexus among ISO 14001, governance indicators and green economy in Pakistan, Sustainable Production and Consumption 27, pp. 653-666, 2021, **WOS:000675603100020, F.I.=5.032.**	5.032		
	8. Sówka, I., Pietrowicz, S., Kolasiński, P. Energy processes, systems and equipment, Energies 14(6), 1701, 2021, **WOS:000634404300001, F.I.=3.004.**	3.004		
	9. Alsaleh M., Zubair A.O., Abdul-Rahim A.S., The impact of global competitiveness on the growth of bioenergy industry inEU-28 region, SUSTAINABLE DEVELOPMENT, vol. 28 (5), pp. 1304-1316, 2020, DOI: 10.1002/sd.2085, **WOS:000539336400001, F.I.=4.082**	4.082		
	10. Zaharia A., Diaconeasa M.C., Brad L., Ladaru G.R., Ioanas C., Factors Influencing Energy Consumption in the Context of Sustainable Development, SUSTAINABILITY, vol. 11 (15), art. No. 4147, 2019, DOI: 10.3390/su11154147, **WOS:000485230200152, F.I.=2.576**	2.576		
	11. Xie P., Zhu Z., Hu G., Huang J. Renewable energy and economic growth hypothesis: Evidence from N-11 countries. ECONOMIC RESEARCH-EKONOMSKA ISTRAZIVANJA, 2022, DOI10.1080/1331677X.2022.2121741, **F.I.=3.08, WOS:000854155600001.**	3.08		
	12. Chen C.C., Pao H.T. The causal link between circular economy and economic growth in EU-25. ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol. 29(50), pp. 76352 - 76364, 2022, DOI10.1007/s11356-022-21010-6, **F.I.=5.19, WOS:000807812000024.**	5.19		
	13. Zhang L., Saydaliev H.B., Ma X. Does green finance investment and technological innovation improve renewable energy efficiency and sustainable development goals. RENEWABLE ENERGY, vol.193, pp. 991-1000, 2022, DOI10.1016/j.renene.2022.04.161, **F.I.=8.634, WOS:000810219400008**, ISSN0960-1481, eISSN1879-0682.	8.634		
	14. Attia S., Kurnitski, J., Kosinski, P., Borodinecs, A., Belafi, Z.D., Istvan K., Krstic H., et al. Overview and future challenges of nearly zero-energy building (nZEB) design in Eastern Europe. ENERGY AND BUILDINGS, vol. 267, Article Number: 112165, 2022, DOI10.1016/j.enbuild.2022.112165, **F.I.=7.201, WOS:000805219500004.**	7.201		
	15. Sztorc M. The Implementation of the European Green Deal Strategy as a Challenge for Energy Management in the Face of the COVID-19 Pandemic. ENERGIES, vol. 15(7), Article No: 2662, 2022, DOI10.3390/en15072662, **F.I.=3.252, WOS:000783117900001.**	3.252		
	16. Chang C.L., Fang M. Renewable energy-led growth hypothesis: New insights from BRICS and N-11 economies. RENEWABLE ENERGY, vol. 188, pp. 788-800, 2022, DOI10.1016/j.renene.2022.02.052, **F.I.=8.634, WOS:000779970900004.**	8.634		
	17. Islam M.M, Islam M.S., Globalization and politico-administrative factor-driven energy-growth nexus: A case of South Asian economies, JOURNAL OF PUBLIC AFFAIRS, vol. 22, supplement 1, art. No e2736, 2022, **F.I.= 2.6, WOS:000686519800001**	2.6		
	18. Li H.Y., Saud S., Haseeb A., Zafar M.W., Chen S., Sumayya. A controversy on the three fundamental growth determinants in selected CEE countries. ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol. 29(13), pp. 19185-19198, 2022, DOI10.1007/s11356-021-17029-w, **F.I.=5.19, WOS:000712252200009.**	5.19		
	19. Aliu F., Haskova S., Suler P., SUSTAINABILITY OF ELECTRICITY PRICES AND THE CONSEQUENCES FOR THE PRAGUE STOCK EXCHANGE, ENTREPRENEURSHIP AND SUSTAINABILITY ISSUES, vol. 10(2), pp. 473-494, 2022, DOI10.9770/jesi.2022.10.2(30), **F.I.=1.7, WOS:000908887300030**	1.7		
	20. Matahir, H., Yassin, J., Marcus, H.R., Shafie, N.A. and Mohammed, N.F. (2023), "Dynamic relationship between energy efficiency, health expenditure and economic growth: in pursuit for SDGs in Malaysia", International Journal of Ethics and Systems, Vol. 39 No. 3, pp. 594-611, **F.I.=1.8.** https://doi.org/10.1108/IJOES-12-2021-0239, **WOS:000842530100001**	1.8		
	21. Anam Azam, Muhammad Ateeq, Muhammad Shafique, Muhammad Rafiq, Jiahai Yuan, Primary energy consumption-growth nexus: The role of natural resources, quality of government, and fixed capital formation, Energy, Volume 263, Part A, 2023, 125570, ISSN 0360-5442, https://doi.org/10.1016/j.energy.2022.125570, **F.I.=8.9, WOS:000879219400005**.	8.9		
	22. Muoneke O.B., Egbo O.P., Okere K.I. Coal-environmental quality nexus in EU-part of the Eastern Bloc: Do socioeconomic factors and bureaucracy play a substantial role?, ENERGY & ENVIRONMENT, **F.I. = 4.2**, 2023, DOI10.1177/0958305X221149503, **WOS:000916497300001**	4.2		
	23. Yasmeen R., Tao R., Shah W.U. Economic growth and environmental technology simultaneously important for reducing energy poverty and ecological footprint in E7 economies: do political institutions play a role?, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol. 30(24), pp. 65102-65118, 2023, **F.I.=5.8**, DOI10.1007/s11356-023-26923-4, **WOS:000975065200008**	5.8		
	24. Wiredu J., Yang Q., Inuwa U.L., Sampene A.K. Energy transition in Africa: The role of human capital, financial development, economic development, and carbon emissions, ENVIRONMENTAL SCIENCE & POLICY, vol. 146, pp. 24-36, 2023, **F.I.=6**, DOI10.1016/j.envsci.2023.04.021, **WOS:001000920400001**	6		
	25. Aziz G., Sarwar S., Revisit the role of governance indicators to achieve sustainable economic growth of Saudi Arabia-pre and post implementation of 2030 Vision, STRUCTURAL CHANGE AND ECONOMIC DYNAMICS, vol. 66, pp. 213-227, 2023, **F.I.=6.1**, DOI10.1016/j.strueco.2023.04.008, **WOS:000999184600001**	6.1		
	26. Pejovic B., Bacovic, T., Karadzic V. Analysis of the Relationship Between Energy Consumption and Economic Growth in Transition Countries, EASTERN EUROPEAN ECONOMICS, 2023, **F.I.=1.1**, DOI10.1080/00128775.2023.2216690, **WOS:000994684200001**	1.1		
	27. Islam M.S., Does urbanization cause energy consumption amidst globalization and FDI in South Asia? A pooled mean group estimation, INTERNATIONAL JOURNAL OF ENERGY SECTOR MANAGEMENT, 2023, DOI10.1108/IJESM-02-2023-0015, **F.I.=3.1, WOS:001000201600001**	3.1		
	28. Toh M.Y., Albada A., Sin Huei Ng, Effect of Country Governance on Cross-Border Renewable Energy Investment and Climate Actions in Emerging Countries, Emerging Markets Finance and Trade, 59:13, 3813-3827, 2023, DOI: 10.1080/1540496X.2023.2247139, **F.I.=4, WOS:001168563700001**	4		
	29. Weng D., Xia Q., Nexus between financial inclusion and natural resource management: How human development affects the sustainability practices, GEOLOGICAL JOURNAL, vol. 58(12), pp. 4596-4609, 2023, **F.I.= 1.8,** DOI10.1002/gj.4862, **WOS:001065104000001**	1.8		
	30. Fedajev A., Mitic P., Kojic M., Radulescu M. Driving industrial and economic growth in Central and Eastern Europe: The role of electricity infrastructure and renewable energy, UTILITIES POLICY, vol. 85, art no. 101683, 2023, **F.I.=4**, DOI10.1016/j.jup.2023.101683, **WOS:001119501600001**	4		
	31. Tan H., Yan Y., Wu Z.Z. Determinants of the transition towards circular economy in SMEs: a sustainable supply chain management perspective, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 2024, **F.I.=5.8,** DOI10.1007/s11356-024-31855-8, **WOS:001158551800006**	5.8		
	32. Shittu I; Saqib A; Latiff ARA; Baharudin SA, Energy Subsidies and Energy Access in Developing Countries: Does Institutional Quality Matter?, SAGE OPEN, Volume 14, Issue 3, 2024, DOI10.1177/21582440241271118, **WOS:001288581700001, F.I. = 2**	2		
	33.Atta N; Sharifi A, A systematic literature review of the relationship between the rule of law and environmental sustainability, SUSTAINABLE DEVELOPMENT, DOI10.1002/sd.3087, 2024, **WOS:001242589200001, F.I. = 9.9**	9.9		
	34. Solaymani S; Montes O, The role of financial development and good governance in economic growth and environmental sustainability, ENERGY NEXUS, Volume 13, 2024, DOI10.1016/j.nexus.2023.100268, **WOS:001152794700001, F.I. = 8**	8		

	35. Gitelman, LD; Kozhevnikov, MV; Ditenberg, MK, Financial Sustainability of Energy Business Development: The Unregulated Activity Phenomenon, SUSTAINABILITY, Vol. 17, Issue 2, 2025, DOI10.3390/su17020505, **WOS:001405272200001, F.I. = 3.3**	3.3		
	36. Saud, S; Khan, I; Zaidi, SAH; Haseeb, A; Li, HY, Enhancing governance efficiency and digital remittances for sustainable development, ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY, 2024, DOI10.1007/s10668-024-05602-5, **WOS:001360892100001, F.I. = 4.2**	4.2		
	37.Atta, N; Sharifi, A, A review of the knowledge structure and trends in research on the interlinkages between the rule of law and environmental sustainability, SUSTAINABLE DEVELOPMENT, Vol. 33, Issue 2, Pag. 2216-2249, 2024, DOI10.1002/sd.3230, **WOS:001339274200001, F.I. = 8.2**	8.2		
	38.Furman, A; Khan, A; Shah, SS, The Water, Food, and Energy Nexus: The Inclusive Roles of Governance and Finance in South Asia, LAND DEGRADATION & DEVELOPMENT, Vol.35, Issue 17, Pag. 5367-5385, 2024, DOI10.1002/ldr.5302, **WOS:001325464600001, F.I. = 3.7**	3.7		
	39.Borozan, D; Borozan, L, Estimating the Governance Effect on Carbon Dioxide Emissions in Croatia, 2025, NATURAL RESOURCES FORUM, DOI10.1111/1477-8947.70025, **WOS:001537956700001, F. I. = 3.7**	3.7		
	40. Bashir, A; Khurshid, N, Unveiling the energy-growth nexus: a compelling journey through four key hypotheses, RESEARCH IN GLOBALIZATION, 2025, Volume 11, DOI10.1016/j.resglo.2025.100295, **WOS:001532770900001, F.I. = 3.7**	3.7		
21	Rusănescu C.O., **Paraschiv G.**, Influence of Aluminum Content on the Structure of High Strength and Non-alloyed Steel Wires Used in Electronic Nanotechnology Components, Industrial Electronics and Applications (ICIEA), 2012 7th IEEE Conference on, Page(s): 787 – 791, Singapore, Print ISBN: 978-1-4577-2118-2, DOI: 10.1109/ICIEA.2012.6360831, indexare IEEE Xplore	5		
	1. Mokkath J.H., Optical properties of nanodisk heterodimers using quantum chemical calculations, Physica E: Low-dimensional Systems and Nanostructures, Volume 111, July 2019, Pages 226-232, 2019, DOI: 10.1016/j.physe.2019.03.023, **WOS:000465001500032, F.I=3.57**	3.57		
	2. Mokkath J.H., A quantum mechanical study of optical excitations in nanodisk plasmonic oligomers, PHYSICAL CHEMISTRY CHEMICAL PHYSICS, volume: 21, issue: 48 pp. 26540-26548, 2019, DOI: 10.1039/c9cp04566j, **WOS:000502767400023, F.I.=3.43**	3.43		
	3. Mokkath J.H., Plasmons of magnesium nanodisks and their interactions with a dipole-carrying molecule, PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, Vol: 108 pp. 296-299, 2019, DOI: 10.1016/j.physe.2018.11.036, **WOS:000455988500045, F.I.=3.57**	3.57		
	4. Mokkath J.H., Optical properties of aluminum intercalated magnesium nanoparticle square array: a computational study, PHYSICAL CHEMISTRY CHEMICAL PHYSICS, Volume: 21 Issue: 12 Pages: 6750-6755, 2019, DOI: 10.1039/c9cp00867e, **WOS:000462649400042, F.I.=3.43**	3.43		
	5. Mokkath J.H.,Optical properties of magnesium nanorods using time dependent density functional theory calculations, PHYSICAL CHEMISTRY CHEMICAL PHYSICS, Volume: 20 Issue: 45 Pages: 28903-28909, 2018, DOI: 10.1039/c8cp06100a, **WOS:000451089900053, F.I.=3.43**	3.43		
22	Rusănescu C.O., **Paraschiv G.**, Murad E., Duțu M.F., Monitoring solar radiation intensity with sun-earth angle in the year 2011 in the north west of Bucharest, INMATEH - Agricultural Engineering, Vol. 40, No. 2, pp. 97 – 102, 2013, ISSN 2068 – 2239. [SCOPUS]	3		
	1. Corabieru A., Velicu S., Corabieru P., Sohaciu M., Research on Metal Parts Hardening by Superficial Alloying in Liquid and Solid State, REVISTA DE CHIMIE, vol. 70, Issue: 2, pp. 470-474, Published: Feb 2019, **WOS:000461982200022, F.I.= 1.755**	1.755		
23	**Paraschiv G.**, Moiceanu G., Voicu Gh., Chitoiu M., Cardei P., Dinca M.N., Tudor P., Optimization issues of a hammer mill working process using statistical modelling, Sustainability, vol. 13(2), Art. No. 973, 2021, DOI: 10.3390/su130209973, eISSN: 2071-1050, WOS:000611772900001, F.I. = 3.251	13		
	1. Weronika Kruszelnicka, Jakub Hlosta ,Jan Diviš, Łukasz Gierz, Study of the Relationships between Multi-Hole, Multi-Disc Mill Performance Parameters and Comminution Indicators, Sustainability 2021, 13(15), 8260; https://doi.org/10.3390/su13158260, **WOS:000682192500001, F.I. = 3.251**	3.251		
	2. Otsuki, A., Jang H., Prediction of Particle Size Distribution of Mill Products Using Artificial Neural Networks, CHEMENGINEERING, vol. 6(6), art. No. 92, 2022, DOI10.3390/chemengineering6060092, **F.I.=2.5, WOS:000900619300001**	2.5		
	3. Chausov S., Sabo A., Popova I., Budko V. The Energy-Saving Control Criterion for Impact Crushing Machines, PROBLEMELE ENERGETICII REGIONALE, iss. 4, pp. 157-169, 2023, **F.I.=0.3**, DOI10.52254/1857-0070.2023.4-60.12, **WOS:001114343000012**	0.3		
	4. Zastempowski M., Bochat, A., Walentyn, B., Shredder Design Effect on the Material Circulation Rate and Load of the Shredding Chamber, ADVANCES IN SCIENCE AND TECHNOLOGY-RESEARCH JOURNAL, vol. 17(5), pp. 89-103, 2023, **F.I.=1.1**, DOI10.12913/22998624/171504, **WOS:001097759100009**	1.1		
	5. Aradwad PP; Kumar TVA; Sahoo PK; Mani I, Key issues and challenges in spice grinding, CLEANER ENGINEERING AND TECHNOLOGY, Volume 5, 2021, DOI10.1016/j.clet.2021.100347, **WOS:000980938000088, F.I. = 5.3**	5.3		
	6. Wen ZP; Zhou YM; Zhang, FL; Zhang GX; Luo SM, A novel method for improving milling efficiency and wear resistance of mill hammer with orderly brazed diamond grains, BIOMASS CONVERSION AND BIOREFINERY, 2024, DOI10.1007/s13399-024-05885-8, **WOS:001263492100001, F.I. = 3.5**	3.5		
	7. Shukla P; Sharma PK; Pandey S; Kunwer R, Optimizing municipal solid waste recovery through density-based waste plastic segregation, JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT, Volume 26, Issue 4, Page, 2334-2354, 2024, DOI10.1007/s10163-024-01971-1, **WOS:001228187500005, F.I. = 2.7**	2.7		
	8. Assaf JC; Mortada Z; Rezzoug SA; Maache-Rezzoug Z; Debs E; Louka N, Comparative Review on the Production and Purification of Bioethanol from Biomass: A Focus on Corn, PROCESSES, Volume 12, Issue 5, 2024, DOI10.3390/pr12051001, **WOS:001231650200001, F.I. = 2.8**	2.8		
	9. Zheng, SH; Chen CC; Guo, YM, Analysis and Structural Optimization Test on the Collision Mechanical Model of Blade Jun-Cao Grinding Hammer, AGRICULTURE-BASEL, Volume 14, Issue3, 2024, DOI10.3390/agriculture14030492, **WOS:001191611700001, F.I. 3.3**	3.3		
	10.Voccia D, Lamastra L. Unpacking the Carbon Balance: Biochar Production from Forest Residues and Its Impact on Sustainability. Energies. 2024; 17(18):4582. https://doi.org/10.3390/en17184582, , eISSN 1996-1073, **WOS:001323043500001, F.I.=3**	3		
	11. Ribeiro, A; Montes, F ; Sousa, J; Pais, A, Comminution technologies in the pharmaceutical industry: a comprehensive review with recent advances, REVIEWS IN CHEMICAL ENGINEERING, Vol.41, Issue 1, Pag. 69-100, 2025 DOI10.1515/revce-2024-0059, **WOS:001365753900001, F.I. = 6.6**	6.6		
	12.Alvarez, YC; Borges, RJ ; Yanes, JPM; Pérez, BR; Vidal, CDP; Muñoz, RP, Mathematical Model to Improve Energy Efficiency in Hammer Mills and Its Use in the Feed Industry: Analysis and Validation in a Case Study in Cuba, PROCESSES, Vol. 13, Issue 5, 2025, DOI10.3390/pr13051523, **WOS:001495641500001, F.I. = 2.8**	2.8		
	13. Iskakov, R; Gulyarenko, A; Hyla, P; Bembenek, M, Working parts for intensive crushing and grinding of feed from waste raw materials: A review, ADVANCES IN SCIENCE AND TECHNOLOGY-RESEARCH JOURNAL, Volume 19, Issue 7, Page 98-131, DOI10.12913/22998624/203643, **WOS:001509125600007, F.I. = 1.3**	1.3		
24	Mariana Ferdeș, Mirela Nicoleta Dincă, Georgiana Moiceanu, Bianca Ștefania Zăbavă, **Gigel Paraschiv**, Microorganisms and Enzymes Used in the Biological Pretreatment of the Substrate to Enhance Biogas Production: A Review, Sustainability 2020, 12 (17), 7205, Special Issue Sustainable Environment and Renewable Energy Studies; doi:10.3390/su12177205, WOS:000569799100001, F.I.= 3,251	90		
	1. Chanda, K., Mozumder, A.B., Chorei, R., Gogoi, R.K., Prasad, H.K. A lignocellulolytic colletotrichum sp. Oh with broad-spectrum tolerance to lignocellulosic pretreatment compounds and derivatives and the efficiency to produce hydrogen peroxide and 5-hydroxymethylfurfural tolerant cellulases, Journal of Fungi, 7(10),785, 2021, **WOS:000712416100001, F.I = 5.816**	5.816		
	2. Debasree Sinha, Sandipan Banerjee, Subhrangshu Mandal, Aman Basu, Aishiki Banerjee, Srinivasan Balachandran, Narayan Chandra Mandal, Shibani Chaudhury, Enhanced biogas production from Lantana camara via bioaugmentation of cellulolytic bacteria, Bioresource Technology, Volume 340, 2021, 125652, ISSN 0960-8524, https://doi.org/10.1016/j.biortech.2021.125652. (https://www.sciencedirect.com/science/article/pii/S0960852421009937), **WOS:000697026100007, F.I.=9.642**	9.462		
	3. Singh, T., Alhazmi, A., Mohammad, A., Srivastava N., Haque S., Sharma S., Singh R., Yoon, T., Gupta, V.K., Integrated biohydrogen production via lignocellulosic waste: Opportunity, challenges & future prospects, Bioresource Technology, 338,Art. no.125511, 2021, **WOS:000685518700001.** DOI10.1016/j.biortech.2021.125511, ISSN 0960-8524, **I.F. = 9.642.**	9.462		
	4. Velusamy Mozhiarasi, Overview of pretreatment technologies on vegetable, fruit and flower market wastes disintegration and bioenergy potential: Indian scenario, Chemosphere, 2021, 132604, ISSN 0045-6535, https://doi.org/10.1016/j.chemosphere.2021.132604, **WOS:000734153200003, F.I.=7.086**	7.086		
	5. Lee, S., Kim, Y.M., Siddiqui, M.Z., Park, Y.K., Different pyrolysis kinetics and product distribution of municipal and livestock manure sewage sludge, Environmental Pollution, vol. 285, Article Number 117197, 2021, **WOS:000685348600011**.DOI10.1016/j.envpol.2021.117197, ISSN 0269-7491, **I.F. = 8.071.**	8.071		
	6. Damayanti, D., Supriyadi, D., Amelia, D., Saputri, DR., Devi, YLL., Auriyani, W.A., Wu, HS., Conversion of Lignocellulose for Bioethanol Production, Applied in Bio-Polyethylene Terephthalate, Polymers, 2021, Vol 13 (17), Article Number2886, DOI10.3390/polym13172886, eISSN2073-4360, **I.F. = 4.329, WOS:000694287000001**	4.329		
	7. Abdeshahian, Peyman, Ascencio, Jesus Jimenez, Philippini, Rafael R., Antunes, Felipe Antonio Fernandes, Ingle, Avinash P., Abdeshahian, Mojgan, dos Santos, Julio Cesar, da Silva, Silvio Silverio, Fermentative Production of Lasiodiplodan by Lasiodiplodia theobromae CCT3966 from Pretreated Sugarcane Straw, Sustainability, Volume13, Issue17, Article Number9697, DOI10.3390/su13179697, Published SEP 2021, eISSN2071-1050, **I.F. 3,251, WOS:000694515600001**	3.251		

	8. Kim, AL (Kim, A-Leum), Park, S (Park, Seunghye), Hong, YK (Hong, Yoon-Kyoung), Shin, JH (Shin, Ji-Hwan), Joo, SH (Joo, Se-Hwan), Isolation and Characterization of Beneficial Bacteria from Food Process Wastes, MICROORGANISMS, Volume 9(6), Article Number1156, DOI10.3390/microorganisms9061156, Published JUN 2021, eISSN2076-2607, **I.F. = 4.128, WOS:000666223200001**	4.128		
	9. Salama, Heba H, El-Sayed, Hoda S, Abd-Rabou, Nabil S, Hassan, Zakaria M. R., Production and use of eco-friendly selenium nanoparticles in the fortification of yoghurt, JOURNAL OF FOOD PROCESSING AND PRESERVATION, Volume 45(6), Article Numbere15510, DOI10.1111/jfpp.15510, Published JUN 2021, ISSN0145-8892, **I.F. = 2.19, WOS:000641068100001**	2.19		
	10. Kannah, RY (Kannah, Yukesh R.), Kavitha, S (Kavitha, S.), Sivashanmugam, P (Sivashanmugam, P.), Kumar, G (Kumar, Gopalakrishnan), Banu, JR (Banu, Rajesh J.), Ultrasonic induced mechanoacoustic effect on delignification of rice straw for cost effective biopretreatment and biomethane recovery, SUSTAINABLE ENERGY & FUELS, Volume 5 (6), Page1832-1844, DOI10.1039/d0se01814g, Published MAR 21 2021, ISSN 2398-4902, **I.F. = 6.367, WOS:000631643300017**	6.367		
	11. Li, YQ (Li, Yuqi), Meng, ZX (Meng, Zhenxiang), Xu, Y (Xu, Yao), Shi, QC (Shi, Qicheng), Ma, YP (Ma, Yuping), Aung, M (Aung, Min), Cheng, YF (Cheng, Yanfen), Zhu, WY (Zhu, Weiyun), Interactions between Anaerobic Fungi and Methanogens in the Rumen and Their Biotechnological Potential in Biogas Production from Lignocellulosic Materials, MICROORGANISMS, Vol. 9(1), Article Number 190, DOI10.3390/microorganisms9010190, Published JAN 2021, eISSN2076-2607, **I.F.= 4.128, WOS:000610590200001**	4.128		
	12. Vi Vu, Csilla Farkas, Ouahab Riyad, Erika Bujna, Akos Kilin, Gizella Sipiczki, Minaxi Sharma, Zeba Usmani, Vijai Kumar Gupta, Quang D. Nguyen, Enhancement of the enzymatic hydrolysis efficiency of wheat bran using the Bacillus strains and their consortium, Bioresource Technology, 2021, 126092, ISSN 0960-8524, https://doi.org/10.1016/j.biortech.2021.126092, **WOS:000711791500004, F.I.=9.642,** (https://www.sciencedirect.com/science/article/pii/S0960852421014346)	9.642		
	13. Shinjini Paul Choudhury, Sugato Panda, Izharul Haq, Ajay S. Kalamdhad, Enhanced methane production and hydrocarbon removal from petroleum refinery sludge after Pseudomonas putida pretreatment and process scale-up, Bioresource Technology, 2021, 126127, ISSN 0960-8524, https://doi.org/10.1016/j.biortech.2021.126127, **WOS:000711786600005, F.I.=9.642.**	9.642		
	14. Mehta T., Meena M., Nagda A., Bioactive compounds of Curvularia species as a source of various biological activities and biotechnological applications. FRONTIERS IN MICROBIOLOGY, vol. 13, art. No. 1069095, 2022, **I.F.=6.064, WOS:000901585800001.**	6.064		
	15. Zhao Y.R., Bourgougnon N., Lanoiselle J.L., Lendormi T. Biofuel Production from Seaweeds: A Comprehensive Review. ENERGIES, vol. 15(24), art. No. 9395, 2022, DOI10.3390/en15249395, **I.F.=3.252, WOS:000900923900001.**	3.252		
	16. Kasirajan L., Kamaraj K., Maupin-Furlow J.A., Uthandi S., Isolation, purification, and identification of novel lignin-degrading Aspergillus caespitosus strain S2. BIOMASS CONVERSION AND BIOREFINERY, 2022. DOI10.1007/s13399-022-03510-0, **IF.=4.05, WOS:000881559500002.**	4.05		
	17. Antonieto A.C.C. et al. Use of carbohydrate-directed enzymes for the potential exploitation of sugarcane bagasse to obtain value-added biotechnological products. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.221, pp. 456-471, 2022, DOI10.1016/j.ijbiomac.2022.08.186, **I.F.=8.025, WOS:000864524500004**	8.025		
	18. Msemwa G.G., Ibrahim M.G., Fujii M., Nasr M. Phytomanagement of textile wastewater for dual biogas and biochar production: A techno-economic and sustainable approach. JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol. 322, 2022, DOI10.1016/j.jenvman.2022.116097, **I.F.=8.91, WOS:000860790400003.**	8.91		
	19. Chakraborty D., Palani S.G., Ghangrekar M.M., Anand N., Pathak P. Dual role of grass clippings as buffering agent and biomass during anaerobic co-digestion with food waste. CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, vol. 24(9), pp. 2787-2799, 2022, **I.F.=4.7, WOS:000822475000001.**	4.7		
	20. Jebaranjitham J.N., Christyraj J.D.S., Prasannan A., Rajagopalan K., Chelladurai K.S., Gnanaraja J.K.J.S, Current scenario of solid waste management techniques and challenges in Covid-19-A review. HELIYON, vol. 8(7), Article Number: e09855, 2022, DOI10.1016/j.heliyon.2022.e09855, **I.F.= 3.776, WOS:000843626700009**	3.776		
	21. Choudhury S.P., Panda S., Haq I., Kalamdhad A.S. Microbial pretreatment using Kosakonia oryziphila IH3 to enhance biogas production and hydrocarbon depletion from petroleum refinery sludge. RENEWABLE ENERGY, vol.194, pp.1192-1203, 2022, DOI10.1016/j.renene.2022.05.167, **I.F.=8.634, WOS:000829594800016**.	8.634		
	22. Anacleto T.M., Oliveira H.R., Diniz V.L., de Oliveira V.P., Abreu F., Enrich-Prast A. Boosting manure biogas production with the application of pretreatments: A meta-analysis. JOURNAL OF CLEANER PRODUCTION, vol. 362, Article Number: 132292, 2022, DOI10.1016/j.jclepro.2022.132292, **I.F.=11.072, WOS:000807790200002.**	11.072		
	23. Singh N., Singh V., Singh M.P. Microbial degradation of lignocellulosic biomass for bioenergy production: A metagenomic-based approach. BIOCATALYSIS AND BIOTRANSFORMATION, vol. 41(1), pp. 15-25, Early Acces 2022/Published 2023, DOI10.1080/10242422.2022.2056451, **I.F.=2.325, WOS:000776144200001.**	2.325		
	24. Preethi, Banu R.J., Varjani S., Sivashanmugam P., Tyagi V.K., Gunasekaran M. Breakthrough in hydrolysis of waste biomass by physico-chemical pretreatment processes for efficient anaerobic digestion. CHEMOSPHERE, vol. 294, Article Number: 133617, 2022, DOI10.1016/j.chemosphere.2022.133617, **I.F.=8.943, WOS:000758331400003.**	8.943		
	25. Raina D., Kumar V., Saran S. A critical review on exploitation of agro-industrial biomass as substrates for the therapeutic microbial enzymes production and implemented protein purification techniques. CHEMOSPHERE, vol. 294, Article Number: 133712, 2022, DOI10.1016/j.chemosphere.2022.133712. **I.F.= 8.943, WOS:000758333500002.**	8.943		
	26. Lopresto C.G., Paletta R. et al. Sargassum Invasion in the Caribbean: An Opportunity for Coastal Communities to Produce Bioenergy Based on Biorefinery-An Overview. WASTE AND BIOMASS VALORIZATION, vol.13(6), pp. 2769-2793, 2022, DOI10.1007/s12649-021-01669-7, **I.F.=3.449, WOS:000741878200002.**	3.449		
	27. Chen S.L., Davaritouchaee M., Nature-inspired pretreatment of lignocellulose - Perspective and development, BIORESOURCE TECHNOLOGY, vol. 369, art no. 128456, 2023 **F.I.=11.4,** DOI10.1016/j.biortech.2022.128456, **WOS:000902088100003**	11.4		
	28. Hawrot-Paw M., Stanczuk A., From Waste Biomass to Cellulosic Ethanol by Separate Hydrolysis and Fermentation (SHF) with Trichoderma viride, SUSTAINABILITY, vol. 15(1), art. no. 168, 2023, **F.I.=3.9**, DOI10.3390/su15010168, **WOS:000908926900001**	3.9		
	29. Krol B., Slupczynska, M., Wilk, M.,Asghar, M.U., Cwynar P. Anaerobic rumen fungi and fungal direct-fed microbials in ruminant feeding, JOURNAL OF ANIMAL AND FEED SCIENCES, vol. 32(1), pp. 3-16, 2023, **F.I.=1**, DOI10.22358/jafs/153961/2022, **WOS:000920423200001**	1		
	30. Kuechler J., Willenbuecher, K., Reiss E., Nuss L., Conrady M., Ramm P., Schimpf U., Reichl U., Szewzyk U., Benndorf D. Degradation Kinetics of Lignocellulolytic Enzymes in a Biogas Reactor Using Quantitative Mass Spectrometry, FERMENTATION-BASEL, vol.9(1), art. no. 67, 2023, **F.I.=3.7**, DOI10.3390/fermentation9010067, **WOS:000915161300001**	3.7		
	31. Tshemese Z., Deenadayalu, N., Linganiso, L.Z., Chetty, M. An Overview of Biogas Production from Anaerobic Digestion and the Possibility of Using Sugarcane Wastewater and Municipal Solid Waste in a South African Context, APPLIED SYSTEM INNOVATION, vol. 6(1), art. no. 13, 2023, **F.I.=3.8**, DOI10.3390/asi6010013, **WOS:000938819900001**	3.8		
	32. Chukwuma O.B., Rafatullah, M., Kapoor, R.T., Tajarudin, H.A., Ismail N.,Siddiqui, M.R., Alam M. Isolation and Characterization of Lignocellulolytic Bacteria from Municipal Solid Waste Landfill for Identification of Potential Hydrolytic Enzyme, FERMENTATION-BASEL, vol. 9(3), art. no. 298, 2023, **F.I.=3.7**, DOI10.3390/fermentation9030298, **WOS:000957933800001**	3.7		
	33. Leca E., Zennaro, B., Hamelin, J., Carrere, H., Sambusiti, C. Use of additives to improve collective biogas plant performances: A comprehensive review, BIOTECHNOLOGY ADVANCES, vol. 65, art. no 108129, 2023, **F.I.=16,** DOI10.1016/j.biotechadv.2023.108129, **WOS:000972383100001**	16		
	34. Bhushan S., Jayakrishnan, U., Shree, B., Bhatt, P., Eshkabilov, S., Simsek, H. Biological pretreatment for algal biomass feedstock for biofuel production, JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol. 11(3), art no 109870, 2023, **F.I.=7.7**, DOI10.1016/j.jece.2023.109870, **WOS:001042723600001**	7.7		
	35. Tripathi M., Sharma, M., Bala S., Connell J., Newbold, J.R., Rees R.M., Aminabhavi, T. M., Thaur V.K., Gupta V.K. Conversion technologies for valorization of hemp lignocellulosic biomass for potential biorefinery applications, SEPARATION AND PURIFICATION TECHNOLOGY, vol. 320, art no. 124018, 2023 **F.I.=8.6,** DOI10.1016/j.seppur.2023.124018, **WOS:001010413400001**	8.6		
	36. Awan M.O.U., Iqbal, A., Rashid, M.I., Irshad, U., Hafeez F., Ullah F., Irshad, M., Ondrasek, G., Mustac I., Nazir R. Proficient Lignocellulolytic Novel Bacterial Isolates from Diversified Galiyat Forests of Lower Himalaya,FORESTS, vol. 14(6), art no. 1180, **F.I. 2.9**, 2023, DOI10.3390/f14061180, **WOS:001014904700001**	2.9		
	37. Civzele A., Stipniece-Jekimova, A.A., Mezule, L. Fungal Ligninolytic Enzymes and Their Application in Biomass Lignin Pretreatment, JOURNAL OF FUNGI, vol. 9(7), art no. 780, 2023, **F.I.=4.7**, DOI10.3390/jof9070780, **WOS:001035938200001**	4.7		
	38. Espinosa Negrín, Ana María; López González, Lisbet; Jiménez Hernández, Janet. Effect of pretreatment with efficient microorganisms on anaerobic digestion of rice drying residue. Afinidad 2023, Vol. 80(600), pp. 261-266, DOI10.55815/422397, **F.I.=0.3, WOS:001132070700008**	0.3		
	39. Tsigkou K., Sventzouri, E., Zafiri, C., Kornaros, M. Digestate recirculation rate optimization for the enhancement of hydrogen production: The case of disposable nappies and fruit/vegetable waste valorization in a mesophilic two-stage anaerobic digestion system, RENEWABLE ENERGY, vol. 215, art. no. 119010, 2023, DOI10.1016/j.renene.2023.119010, **F.I.=8.7, WOS:001043956400001**	8.7		
	40. Choudhury S.P., Haq I., Kalamdhad, A.S. Unleashing synergistic potential of microbially enhanced anaerobic co-digestion of petroleum refinery biosludge and yard waste: Impact of nutrient balance and microbial diversity, JOURNAL OF HAZARDOUS MATERIALS, vol. 460, art no. 132361, 2023, **F.I.=13.6**, DOI10.1016/j.jhazmat.2023.132361, **WOS:001076613500001**	13.6		
	41. Das A., Das S., Das N., Pandey P., Ingti B., Panchenko, V., Bolshev, V., Kovalev, A., Pandey, P. Advancements and Innovations in Harnessing Microbial Processes for Enhanced Biogas Production from Waste Materials, AGRICULTURE-BASEL, vol. 13(9), art. no 1689, 2023, **F.I.=3.6**, DOI10.3390/agriculture13091689, **WOS:001075880200001**	3.6		
	42. Chettri D., Verma, A.K., Ghosh S., Verma A.K., Biogas from lignocellulosic feedstock: current status and challenges, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 2023, **F.I.=5.8**, DOI10.1007/s11356-023-29805-x, **WOS:001067429900001**	5.8		

	43. Singh D., Tembhare, M., Kumar S. Compressed biogas plants in India: Existing status, technological advances and challenges, BIOMASS & BIOENERGY, vol. 178, art. no. 106964, 2023, **F.I.=6**, DOI10.1016/j.biombioe.2023.106964, **WOS:001097591000001**	6		
	44. Egbune E.O., Ezedom, T., Orororo, O.C., Egbune, O.U. et al., Solid-state fermentation of cassava (Manihot esculenta Crantz): a review, WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol. 39(10), art. no. 259, 2023, **F.I.=4.1**, DOI10.1007/s11274-023-03706-0, **WOS:001033883400003**	4.1		
	45. Beluhan S., Mihajlovski, K., Santek, B., Ivancic Santek, M. The Production of Bioethanol from Lignocellulosic Biomass: Pretreatment Methods, Fermentation, and Downstream Processing, ENERGIES, vol. 16(19), art. no. 7003, 2023, **F.I.=3.2,** DOI10.3390/en16197003, **WOS:001081183100001**	3.2		
	46. Fu Y., Zhang J., Guan T., High-Value Utilization of Corn Straw: From Waste to Wealth, SUSTAINABILITY, vol. 15(19), art. no. 14618, 2023, **F.I.=3.9**, DOI10.3390/su151914618, **WOS:001082059800001**	3.9		
	47. Monteiro, P.I., Mariano, A.B., Padilha, B. do Santos, de Moraes, Y.D., Zaguine L., Lopes L.R.O., de Moraes M.L., Ramos R.M.B., Spier M.R. Advancements in biodigester technology through the study of anaerobic digestion using statistical optimization and bioaccelerators, CLEAN-SOIL AIR WATER, vol. 52(2), 2024, DOI10.1002/clen.202300102, **F.I.=1.7, WOS:001091944100001**	1.7		
	48. Li C., Lue F., Peng W., He P.J., Zhang H. Efficacy of bioaugmentation with nondomesticated mixed microbial consortia under ammonia inhibition in anaerobic digestion, BIORESOURCE TECHNOLOGY, vol. 391, Part A, art. No. 129954, 2024, DOI10.1016/j.biortech.2023.129954, **F.I.=11.4, WOS:001109936700001**	11.4		
	49. Zalys B., Venslauskas, K., Navickas, K. Microbial Pretreatment for Biogas: Analyzing Dairy Rumen Anaerobic Bacteria Inoculum's Impact on Alfalfa Biomass and Energy Value, PROCESSES, vol.11(12), art. no 3384, 2023, **F.I.=3.5,** DOI10.3390/pr11123384, **WOS:001131339800001**	3.5		
	50. Di Fraia, S., Sharmila, V. G., Banu, J. R., Massarotti, N. A comprehensive review on upscaling of food waste into value added products towards a circular economy: Holistic approaches and life cycle assessments, TRENDS IN FOOD SCIENCE & TECHNOLOGY, vol. 143, art. no. 104288, 2024, DOI10.1016/j.tifs.2023.104288, **F.I.=15.3, WOS:001134004400001**	15.3		
	51. Arce C., LlanoT., Mowinckel A., Coz A. Deep eutectic solvents as pretreatment to increase Fock's reactivity under optimum conditions, CELLULOSE, vol. 31(1), pp. 247-261, 2024, DOI10.1007/s10570-023-05628-4, **F.I.=5.7, WOS:001122283200004**	5.7		
	52. Kovalev, A. A., Kovalev, D. A., Karaev, J.V., Vivekanand, V., Pareek, N., Masakapalli, S.K., Osmonov, O. M., Zhuravleva, E. A., Laikova, A. A., Shekhurdina, S. V., Litti V. Innovative organic waste pretreatment approach for efficient anaerobic bioconversion: Effect of recirculation ratio at pre-processing in vortex layer apparatus on biogas production, INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol. 53, pp. 208-217, 2024, DOI10.1016/j.ijhydene.2023.12.044, **F.I.=7.2, WOS:001137766400001**	7.2		
	53. Javanmard, A., Daud W.M.A.W., Patah M.F.A., Zuki F.M., Ai S.P., Azman D.Q., Chen W.H. Breaking Barriers for a Green Future: A Comprehensive Study on Pre-treatment Techniques for Empty Fruit Bunches in the Bio-Based Economy, PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol. 182, pp. 535-558, 2024, DOI10.1016/j.psep.2023.11.053, **F.I. =7.8, WOS:001163553100001**	7.8		
	54. Zhao Z.T., Ding J., Wang B.Y., Bao M.Y., Liu B.F., Pang J.W., Ren N.Q., Yang S.S. Advances in the biomass valorization in dark fermentation systems: A sustainable approach for biohydrogen production, CHEMICAL ENGINEERING JOURNAL, vol. 481, 2024, art no. 148444, DOI10.1016/j.cej.2023.148444, **F.I.=15.1, WOS:001156152600001**	15.1		
	55. Prasad, B. R., Polaki, S., Padhi, R.K. Isolation of delignifying bacteria and optimization of microbial pretreatment of biomass for bioenergy, BIOTECHNOLOGY LETTERS, vol. 46(2), pp. 183-199, 2024, DOI10.1007/s10529-023-03463-y, **F.I.=2.7, WOS:001151198900001**	2.7		
	56. Kumar, J., Vyas, S., Comprehensive review of biomass utilization and gasification for sustainable energy production, ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY, 2024, DOI10.1007/s10668-023-04127-7, **F.I.=4.9, WOS:001152254200001**	4.9		
	57. Go K., Kim D.M., Lee K.J., 3D printable hydrogel filament with functionalizable moiety for in-situ flow-based sensor, MACROMOLECULAR RESEARCH, 2024, DOI10.1007/s13233-023-00238-2, **F.I.=2.4, WOS:001155448100001**	2.4		
	58. Liu Z., Song C., Zuo W., Li S.Y., Wang F., Gui C., Xu G., Yang J., Zhang W., Fu L., Yang Q et al.Study on the Pyrolysis Characteristics of Tobacco Stems Under Different Steam Explosion Pressures, JOURNAL OF BIOBASED MATERIALS AND BIOENERGY, vol. 18(2), pp. 192-197, 2024, DOI10.1166/jbmb.2024.2373, **F.I.=0.5, WOS:001168683700004**	0.5		
	59. Owusu, W.A., Marfo S.A., Osei H., Sargassum-to-energy: A review of bioethanol production and its significance in Ghana, SUSTAINABLE ENVIRONMENT, vol. 10(1), art no 2299541, 2024, DOI10.1080/27658511.2023.2299541, **F.I.=2.3, WOS:001153260900001**	2.3		
	60. Patil ND; Kumar A; Sridhar K; Chawla P; Sharma M, Enhancing functional attributes of rice protein concentrate through Aspergillus awamori MTCC 6652 assisted solid-state fermentation: Development of value-added vegan smoothie, FOOD AND BIOPRODUCTS PROCESSING, Volume 147, Page11-26, 2024, DOI10.1016/j.fbp.2024.06.001, **WOS:001254349200001, F.I. = 3.5**	3.5		
	61. Du XE; Zhou LL; Li Y; Zhang F; Wang LM; Yao JH; Chen XH; Liu SM; Cao YC, Effects of yak rumen anaerobic fungus Orpinomyces sp. YF3 fermented on in vitro wheat straw fermentation and microbial communities in dairy goat rumen fluid, with and without fungal flora, JOURNAL OF ANIMAL PHYSIOLOGY AND ANIMAL NUTRITION, 2024, DOI10.1111/jpn.13978, **WOS:001209440600001, F.I. = 2.2**	2.2		
	62.Kothari R; Singh HM; Goria K; Raina S; Tyagi VV; Ahmad S; Singh R; Sharma A; Sheoran S; Bruno F; Buddhi D, Utilization of rice crop residue to fortify biogas production with mitigation of aerosols for sustainable environment: mechanism, potential strategies, and opportunities, BIOMASS CONVERSION AND BIOREFINERY, 2024, DOI10.1007/s13399-024-05571-9, **WOS:001208952200002, F.I. = 3.5**	3.5		
	63. Wang M; Liu K; Wang JL; Li YT; Peng H; Ding, L, Comparison and improvement of energy balance establishment methods for heat pretreatment prior to anaerobic digestion, FUEL, Volume 368, 2024, DOI10.1016/j.fuel.2024.131579, **WOS:001215689000001, F.I. = 6.7**	6.7		
	64. Dhiman S; Kaur P; Narang J; Mukherjee G; Thakur B; Kaur S; Tripathi M, Fungal bioprocessing for circular bioeconomy: Exploring lignocellulosic waste valorization, MYCOLOGY-AN INTERNATIONAL JOURNAL ON FUNGAL BIOLOGY, 2024, DOI10.1080/21501203.2024.2316824, W**OS:001187060600001, F.I. = 4.6**	4.6		
	65. Adnane I; Taoumi H,; Elouahabi K; Lahrech K; Oulmekki A, Valorization of crop residues and animal wastes: Anaerobic co-digestion technology, HELIYON, Volume10, Issue5, 2024, DOI10.1016/j.heliyon.2024.e26440, **WOS:001202102500001, F. I. = 3.4**	3.4		
	66.Zhang, GX; Shi, PH; Zhai, C; Jin, Y; Han, MY; Liu, SY; Liu, YW; Liu, HY; Zhou, Q; Li, J; Wu, DW; Xu, HM; Luo, HL, Review of energy self-circulation systems integrating biogas utilization with Powerfuels production in global livestock industry, BIORESOURCE TECHNOLOGY, Vol. 408, 2024, DOI10.1016/j.biortech.2024.131193, **WOS:001289309700001, F.I. = 9**	9		
	67.Prasad, RK; Sharma, A; Mazumder, PB; Dhussa, A, A comprehensive pre-treatment strategy evaluation of ligno-hemicellulosic biomass to enhance biogas potential in the anaerobic digestion process, RSC SUSTAINABILITY, Vol. 2, Issue 9, Pag. 2444-2467, 2024, DOI10.1039/d4su00099d, **WOS:001286488300001, F.I. = 4.9**	4.9		
	68.Umunnawuike, C; Mahat, SQA; Nwaichi, PI; Money, B; Agi, A, Biohydrogen production for sustainable energy transition: A bibliometric and systematic review of the reaction mechanisms, challenges, knowledge gaps and emerging trends, BIOMASS & BIOENERGY, Vol.188, 2024, DOI10.1016/j.biombioe.2024.107345, **WOS:001296883300001, F.I. = 5.8**	5.8		
	69. Debowski, M; Zielinski, M; Nowicka, A; Kazimierowicz, J, Influence of Microwave-Assisted Chemical Thermohydrolysis of Lignocellulosic Waste Biomass on Anaerobic Digestion Efficiency, ENERGIES, Vol. 17, Issue 17, 2024, DOI10.3390/en17174207, **WOS:001311175400001, F.I. = 3.2**	3.2		
	70. Pilarska, AA; Pilarski, K; Kulupa, T; Kubiak, A; Wolna-Maruwka, A; Niewiadomska, A; Dach, J, Additives Improving the Efficiency of Biogas Production as an Alternative Energy Source-A Review, ENERGIES, Vol.17, Issue 17, 2024, DOI10.3390/en17174506, **WOS:001311294100001, F.I. = 3.2**	3.2		
	71. Valdés, MAS; Disla, JMS; Gambuzzi, E; Martínez, GC, Innovative Circular Biowaste Valorisation-State of the Art and Guidance for Cities and Regions, SUSTAINABILITY, Vol. 16, Issue 20, 2024, DOI10.3390/su16208963, **WOS:001341449600001, F.I. = 3.3**	3.3		
	72. Tanpong, S; Khochamit, N; Pootthachaya, P; Siripornadulsil, W; Unnawong, N; Cherdthong, A; Tengjaroenkul, B; Wongtangtintharn, S, Citric Acid by-Product Fermentation by Bacillus subtilis I9: A Promising Path to Sustainable Animal Feed, VETERINARY SCIENCES, Vol. 11, Issue 10, 2024, DOI10.3390/vetsci11100484, **WOS:001343703400001, F.I = 2.3**	2.3		
	73. Yilmaz, A; Baskan, G ; Açikel, Ü, Effect of Thermal, Acid and Alkaline Pretreatments on Biogas Production from Cattle Manure, WASTE AND BIOMASS VALORIZATION, Vol. 16, Issue 5, Pag. 2301-2314, 2024, DOI10.1007/s12649-024-02805-9, **WOS:001360259200001, F.I. = 2.8**	2.8		
	74. Chatzimaliakas, PF; Koutsaftis-Fragkos, E; Mai, S; Malamis, D; Barampouti, EM, From Microalgae to Biofuels: Investigating Valorization Pathways Towards Biorefinery Integration, PROCESSES, Vol. 12, Issue 12, 2024, DOI10.3390/pr12122936, **WOS:001383877200001, F.I. = 2.8**	2.8		
	75. Vale, AC; Leite, L ; Pais, V; Bessa, J; Cunha, F ; Fangueiro, R, Extraction of Natural-Based Raw Materials Towards the Production of Sustainable Man-Made Organic Fibres, POLYMERS, Vol.6, Issue 24, 2024, DOI10.3390/polym16243602, **WOS:001383928000001, F.I. = 4.9**	4.9		
	76.Prado, ERL; Rial, RC, Advances in conversion technologies for biofuels from wheat and corn straws, BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY, vol. 63, 2025, DOI10.1016/j.bcab.2024.103481, **WOS:001397661400001, F.I. = 3.8**	3.8		
	77.Li, WD; Li, X; Zhang, KT; Liu, J; Wei, M; Yang, Z; Peng, YT; Zhang, BX, Continuous cropping obstacles in fungal production: A review of mechanisms and remedial strategies, SOIL USE AND MANAGEMENT, Vol. 41, Issue 1, 2025, DOI10.1111/sum.70014, **WOS:001437345200001, F.I = 3.7**	3.7		

	78.Zhen, C; Sun, HN; Ma, MM; Mu, TH; Garcia-Vaquero, M, Applications of modified lignocellulose and its composites prepared by different pretreatments in biomedicine: A review, INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Vol. 301, 2025, DOI10.1016/j.ijbiomac.2025.140347, **WOS:001422196300001, F.I. = 8.5**	8.5		
	79.Akhtar, M; Hussain, M; Tariq, N; Naeem, F ; Akhter, P; Bazmi, AA; Saqib, I; Sadiq, A ; Choi, YJ, Simultaneous biomethane optimization and wastewater treatment using isolated acclimatized bacterial strains in baker yeast effluent, ENVIRONMENTAL ENGINEERING RESEARCH, Vol.30, Issue 1, 2025, DOI10.4491/eer.2024.130, **WOS:001303128700004, F.I. = 3**	3		
	80.Bava, A; Carnelli, S; Vaccari, M; Beffa, T; Beltrametti, F, Identification of Corn Chaff as an Optimal Substrate for the Production of Rhamnolipids in Pseudomonas aeruginosa Fermentations, FERMENTATION-BASEL, Vol. 11, Issue 2, 2025, DOI10.3390/fermentation11020074, **WOS:001430839600001, F.I = 3.3**	3.3		
	81.Ragini, YP\; Karishma, S; Kamalesh, R; Saravanan, A; Tajsabreen, B; Eswaar, DK, Sustainable biorefinery approaches in the valorization of agro-food industrial residues for biofuel production: Economic and future perspectives, SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, Vol. 5, 2025, DOI10.1016/j.seta.2025.104239, **WOS:001442756700001, F.I. = 7**	7		
	82.Saboohi, Z; Hosseini, SE, Advancements in biogas production: process optimization and innovative plant operations, CLEAN ENERGY, Vol.9, Issue 2, Pag,52-65, 2025, DOI10.1093/ce/zkae096, **WOS:001436615300001, F.I. = 3.7**	3.7		
	83.Chukwuma, OB; Rafatullah, M; Kapoor, RT; Tajarudin, HA; Ismail, N; Alam, M; Siddiqui, MR, Optimization and comparative study of Bacillus consortia for cellulolytic potential and cellulase enzyme activity, OPEN LIFE SCIENCES Vol.20, Issue 1, 2025, DOI10.1515/biol-2025-1066, **WOS:001438051000001, F.I. = 1.7**	1.7		
	84.Sharma, A; Jyoti, A; More, A; Gunjal, M; Rasane, P ; Kumar, M; Kaur, S; Ercisli, S; Gurumayum, S; Singh, J, Harnessing Fruit and Vegetable Waste for Biofuel Production: Advances and Scope for Future Development, EFOOD Vol.6, Issue 2, 2025, DOI10.1002/efd2.70051, **WOS:001460523300001, F.I. = 5.7**	5.7		
	85.Ryu, Y; Bouharras, FE; Cha, M; Mudondo, J; Kim, Y; Ramakrishnan, SR; Shin, S; Yu, Y; Lee, W; Park, J; Song, Y; Yum, SJ; Cha, HG; Ahn, D; Kim, SJ; Kim, HT, Recent advancements in the evolution, production, and degradation of iodegradable mulch films: A review, NVIRONMENTAL RESEARCH, Vol. 277, 2025, DOI10.1016/j.envres.2025.121629, **WOS:001476317000001, F.I . = 7.7**	7.7		
	86.Malovanyy, M; Tymchuk, I; Zhuk, V; Kochubei, V; Vronska, N; Popovych, O; Havryshko, M; Sereda, A; Sliusar, V; Marakhovska, A, Mesophilic anaerobic co-digestion of sunflower oilseed processing waste with yeast residues inoculum, RESULTS IN ENGINEERING, Vol. 26, 2025, DOI10.1016/j.rineng.2025.105515, **WOS:001502736900007, F.I. = 7.9**	7.9		
	87. Intasit, R; Kim, BS, Sustainable biodiesel production from agricultural lignocellulosic waste via oleaginous microbial processes, BMC BIOTECHNOLOGY, Volume 25, Issue 1, DOI10.1186/s12896-025-01022-z, **WOS:001550042200001, F.I. = 3.4**	3.4		
	88. Keerio, HA; Alnadish, AM; Panhwar, S; Ali, Z; Kumar, S, Nanotechnologies transforming the future of biogas production: a current trend, BIOFUELS-UK, 2025, DOI10.1080/17597269.2025.2534272, **WOS:001533771000001, F.I. = 2.6**	2.6		
	89. Farveen, MS; Muñoz, R; Narayanan, R; García-Depraect, O, Enhancing Bioplastic Degradation in Anaerobic Digestion: A Review of Pretreatment and Co-Digestion Strategies, POLYMERS, 2025, Volume 17, Issue 13, DOI10.3390/polym17131756, **WOS:001525939000001**, F.I. = 4.9	4.9		
	90.Yusnitati; Anindita, HN; Adha, A; Septriana, D; Priambodo, TB; Hastuti, ZD; Santoso, E; Wulandari, W; Zuldian, P; Primeia, S; Baruji, T; Yurismono, H; Prasetyo, DH; Murti, SDS; Senda, SP; Saputra, H, Biohydrogen production from palm oil mill effluent (POME) in Indonesia: Potential, challenges, and prospects, INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 2025,Volume 138, Page 1315-1335, DOI10.1016/j.ijhydene.2024.11.277, **WOS:001513410100017, F.I. = 8.3**	8.3		
25	Cujbescu D., Găgeanu I., Persu C., Matache M., Vladut V., Voicea I., **Paraschiv G.**, Biris S.St., Ungureanu N., Voicu Gh., Ipate G., Simulation of sowing precision in laboratory conditions, Applied Sciences (Switzerland), vol. 11(14), 2021, art no. 6264, DOI 10.3390/app11146264, ISSN 20763417, eISSN 2076-3417, **WOS:000675989600001, F.I. 2.679**	14		
	1. Xiong, D., Wu, M., Xie, W., Liu, R., Luo, H., Design and experimental study of the general mechanical pneumatic combined seed metering device, Applied Sciences (Switzerland), 11(16),7223, 2021, **WOS:000688674200001, F.I.=2.679.**	2.679		
	2. Fanigliulo, R, Grilli, R., Benigni, S., Fornaciari, L., Biocca, M., Pochi, D., EFFECT OF SOWING SPEED AND WIDTH ON SPACING UNIFORMITY OF PRECISION SEED DRILLS, INMATEH-AGRICULTURAL ENGINEERING, vol. 66(1), pp. 9-18, 2022, DOI10.35633/inmateh-66-01, **F.I.=0.7, WOS:000797695200001**	0.7		
	3. Zhou L.M., Niu K., Chen K.K., Yuan Y.W., Xue B., Wang L.L., DESIGN AND TEST OF REAL-TIME MONITORING SYSTEM FOR NON-CONTACT FERTILIZATION FLOW, INMATEH-AGRICULTURAL ENGINEERING, vol. 66(1), pp. 351-360, 2022, DOI10.35633/inmateh-66-35, **F.I.=0.7, WOS:000807330400002**	0.7		
	4. Li Q., Feng J.L., Jiang W., DESIGN AND EXPERIMENT ON PRECISION SEED METERING DEVICE FOR NARROW-ROW AND DENSE PLANTING OF SOYBEAN, INMATEH-AGRICULTURAL ENGINEERING, vol. 67(2), pp. 353-363, 2022, DOI10.35633/inmateh-67-36, **F.I.=0.7, WOS:000850453100001**	0.7		
	5. Beskopylny A.N., Shcherban E.M., Stel'makh S.A., Meskhi B., Shilov A.A., Varavka V., Evtushenko A., Ozkilic Y.O., Aksoylu C., Karalar M. Composition Component Influence on Concrete Properties with the Additive of Rubber Tree Seed Shells. APPLIED SCIENCES-BASEL, vol. 12(22), art. no. 11744, 2022, **WOS:000887144100001, F.I.=2.838**	2.838		
	6. Dong W.X., Li N., Liu F., Zhao X., Wang L.H., Xuan D.Z., Zhong W.D., Hu H., Kong X., Meng X et al. STUDY ON VIBRATION ADSORPTION CHARACTERISTICS OF SMALL-PARTICLE-SIZE SEEDS BASED ON DEM, INMATEH-AGRICULTURAL ENGINEERING, vol.71(3), pp. 406-418, 2023, **F.I.=0.7,** DOI10.35633/inmateh-71-35, **WOS:001127655100002**	0.7		
	7. Li H., He J., Wang C., Yang W.C., Lin H., Wang Q.Y., Yang H., Tan L. Research Progress on the Development of the Planter Unit for Furrowing Control and the Depth Measurement Technology, APPLIED SCIENCES-BASEL, vol.13(21), art. no. 11884, 2023, **F.I.=2.7**, DOI10.3390/app132111884, **WOS:001100417800001**	2.7		
	8. Liang, J., Pan F., Chen J., Zhang H., Ji C. A Precise Simultaneous Sowed Control System for Maize Seed and Fertilizer, AGRICULTURE-BASEL, vol. 14(2), art no. 192, 2024, DOI10.3390/agriculture14020192, **F.I.=3.6, WOS:001171963200001**	3.6		
	9.Mahapatra J; Tiwari PS; Singh KP; Nandede BM; Sahni RK; Pagare V; Singh J; Shrinivasa DJ; Mandal S, An Adjustable Pneumatic Planter with Reduced Source Vibration for Better Precision in Field Seeding, SENSORS, Volume 24, Issue11, 2024, DOI10.3390/s24113399, **WOS:001245296200001, F.I. = 3.4**	3.4		
	10. Zhang L; Liu YF; Wu ML; Wu ZL, Sowing Performance of the Seeder Drill for the 2BYG-220 Type Combined Rapeseed Planter under Vibration Conditions, APPLIED SCIENCES-BASEL, Volume 14, Issue 12, 2024, DOI10.3390/app14125091, **WOS:001254424300001, F.I. = 2.5**	2.5		
	11. Mocanu V., Ene T.A., Marin E., Gheorghita N.E., MECHANIZATION OF GRASSLAND FARMING BY TECHNOLOGICAL VARIANTS WITH MINIMAL INPUTS. A REVIEW, INMATEH-AGRICULTURAL ENGINEERING, vol. 74(3), pp. 954-970, 2024, DOI10.35633/inmateh-74-84, , ISSN 2068-4215, eISSN 2068-2239, **WOS:001406477000006, F.I.=0.6**	0.6		
	12. Jaskulski, D; Jaskulska, I; Rózniak, E; Radziemska, M; Klik, B; Brtnicky, M, Smart Strip-Till One-Pass Machine: Winter Wheat Sowing Accuracy Assessment, AGRICULTURE-BASEL, Vol. 15, Issue 4,02025 DOI10.3390/agriculture15040411, **WOS:001429848300001, F.I. = 3.6**	3.6		
	13. Bustos-Gaytán, A; Saldaña-Robles, N; Joya-Cárdenas, DR; Gutiérrez-Vaca, C; Alfaro-Ayala, JA; Barco-Burgos, J; Saldaña-Robles, A, RESULTS IN ENGINEERING, 2025, Volume 26, DOI10.1016/j.rineng.2025.105626, **WOS:001513357500006, F.I. = 7.9**	7.9		
26	Stoian O.; Covaliu C.I.; **Paraschiv G**.; Catrina (Traistaru) G.-A.; Nita-Lazar M.; Matei E.; Biris S.S.; Tudor P. Magnetite Oxide Nanomaterial Used for Lead Ions Removal from Industrial Wastewater. Materials 2021, vol. 14(11), Art. no. 2831. https://doi.org/10.3390/ma14112831, **WOS:000660259000001, F.I. = 3.623**	18		
	1. Chuenpratoom, T., Hemavibool, K., Rermthong, K., Nanan, S. Removal of lead by merlinoite prepared from sugarcane bagasse ash and kaolin: Synthesis, isotherm, kinetic, and thermodynamic studies, Molecules 26(24), 7550, 2021, **WOS:000736517100001, F.I.=4.412.**	4.412		
	2. Shaba E.Y., Tijiani J.O., Suleiman M.A.T. Simultaneous removal of Cu (II) and Cr (VI) ions from petroleum refinery wastewater using ZnO/Fe3O4 nanocomposite. JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol. 57 (13-14), pp. 1146-1167, 2022, DOI10.1080/10934529.2022.2162794**, F.I. = 2.582, WOS:000907997700001.**	2.582		
	3. Cardinale A.M., Carbone C., Fortunato M., Fabiano B., Reverberi A.P. ZnAl-SO4 Layered Double Hydroxide and Allophane for Cr(VI), Cu(II) and Fe(III) Adsorption in Wastewater: Structure Comparison and Synergistic Effects. MATERIALS, vol. 15 (19), art. no. 6887, 2022, DOI10.3390/ma15196887, **F.I. = 3.748, WOS:000867077800001.**	3.748		
	4. Bosu S., Rajamohan N., Rajasimman M. Enhanced remediation of lead (II) and cadmium (II) ions from aqueous media using porous magnetic nanocomposites- A comprehensive review on applications and mechanism. ENVIRONMENTAL RESEARCH, vol 213, art. no. 113720, 2022, DOI10.1016/j.envres.2022.113720, **I.F.=8.431, WOS:000828141600004**	8.431		
	5. Hassan P.B., Rasheed R.O., Zargoosh K. Cadmium and Lead Removal from Aqueous Solution Using Magnetite Nanoparticles Biofabricated from Portulaca oleracea Leaf Extract. JOURNAL OF NANOMATERIALS, vol. 2022, art. No. 1024554, 2022, DOI10.1155/2022/1024554, **I.F. = 3.791, WOS:000866162100001**	3.791		
	6. Abobakr, S. M., Abdo N.I., Adsorption Studies on Chromium Ion Removal from Aqueous Solution Using Magnetite Nanoparticles, EGYPTIAN JOURNAL OF CHEMISTRY, vol. 65(8), pp. 21-29, 2022, DOI10.21608/ejchem.2022.95319.4475, **F.I.=1.3, WOS:000836995400001**	1.3		
	7. Alprol A.E.E., Mansour, A.T., El-Beltagi, H.S., Ashour, M., Algal Extracts for Green Synthesis of Zinc Oxide Nanoparticles: Promising Approach for Algae Bioremediation, MATERIALS, vol. 16(7), art. no. 2819, 2023, **F.I.=3.4, DOI10.3390/ma16072819, WOS:000969810900001**	3.4		
	8. Alprol A.E.E., Mansour, A.T., Abdelwahab, A.M., Ashour, M., Advances in Green Synthesis of Metal Oxide Nanoparticles by Marine Algae for Wastewater Treatment by Adsorption and Photocatalysis Techniques, CATALYSTS, vol. 13(5), art. no. 888, 2023, **F.I.=3.9**, DOI10.3390/catal13050888, **WOS:000997542900001**	3.9		
	9. Shafiq M., Alazba, A.A., Amin M.T., Preparation of ZnMgAl-Layered Double Hydroxide and Rice Husk Biochar Composites for Cu(II) and Pb(II) Ions Removal from Synthetic Wastewater, WATER, vol. 15(12), art no. 2207, 2023, **F.I.=3.4, DOI10.3390/w15122207, WOS:001015591200001**	3.4		

	10. Koomson J.A., Koomson, B., Owusu C., Agyemang F.O., Detoxification of lead and arsenic from galamsey polluted water using nano synthesized iron oxide from cupola furnace slag, MATERIALS CHEMISTRY AND PHYSICS, vol. 308, 2023, art. no. 128301, **F.I.=4.6**, DOI10.1016/j.matchemphys.2023.128301, **WOS:001063114800001**	4.6		
	11. Hung D.Q., Dinh L.X., Van Tung N., Huong L.M., Lien N.T., Minh P.T., Le T.H. The adsorption kinetic and isotherm studies of metal ions (Co2+, Sr2+, Cs+) on Fe3O4 nanoparticle of radioactive importance, RESULTS IN CHEMISTRY, vol. 6, art. no. 101095, 2023, **F.I.=2.3,** DOI10.1016/j.rechem.2023.101095, **WOS:001084984900001**	2.3		
	12. Wang Y.F., Li J., Xu L., Xu Q.B., Wu D., Ai Y., Li D., Liu W., Qu J., Wang L. et al. The effect and spectral response mechanism of dissolved organic matter (DOM) in Pb(II) adsorption onto biochar, JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol. 11(5), art. no. 111115, 2023, **F.I.=7.7**, DOI10.1016/j.jece.2023.111115, **WOS:001092881100001**	7.7		
	13. Wu, H. X., Tong, J.H., Jiang, X.H., Wang, J., Zhang, H.A., Luo, Y.T., Pang, J.L., Shi, J.Y., More effective than direct contact: Nano hydroxyapatite pre-treatment regulates the growth and Cd uptake of rice (Oryza sativa L.) seedlings, JOURNAL OF HAZARDOUS MATERIALS, vol. 463, art no 132889, 2024, DOI10.1016/j.jhazmat.2023.132889, **F.I.=13.6, WOS:001107092100001**	13.6		
	14. Kumar, S., Tahira, A., Bhatti, A.L., Bhatti, M.A., Ujjan, Z.A., Aftab, U., Kumar, S., Al-Kahtani, AA., Abdullah A., Nafady, A., Dawi, E., Vigolo, B., Infantes-Molina, A., Ibupoto, ZH. Oxygen vacancies and tailored redox activity encountered with NiCo2O4 nanostructures for promising applications in supercapacitor and water oxidation. JOURNAL OF ENERGY STORAGE, vol. 77, 2024, DOI10.1016/j.est.2023.109994, **F.I.=9.4, WOS:001140178200001**	9.4		
	15. Mwebembezi T; Wakatuntu J; Jjagwe J; Kanyesigye C; Kulabako RN; Olupot PW, Synthesis, characterization and application of steel waste-based iron oxide nanoparticles for removal of heavy metals from industrial wastewaters, HELIYON, Volume 10, Issue 6, 2024, DOI10.1016/j.heliyon.2024.e28153, **WOS:001208666700001, F.I. = 3.4**	3.4		
	16. Zaidi, R; Khan, SU; Farooqi, IH; Ahmed, F; Alsulami, A; Azam, A; Allehabi, SO, Performance, isotherm, kinetics and mechanism of simultaneous removal of Cr(VI), Cu(II) and F ions by CeO2-MgO binary oxide nanomaterials, SCIENTIFIC REPORTS, Vol.15, Issue1, 2025, DOI10.1038/s41598-024-78830-4, **WOS:001394989600019, F.I. = 3.9**	3.9		
	17.Jiang, F; Yang, F; Huang, YM; Liao, HB; Tang, L; Cheng, K, FeS-loaded polyethyleneimine/alginate gel beads efficiently remove aqueous Pb(II) via multiple composite pathways, SEPARATION AND PURIFICATION TECHNOLOGY, Vol. 364, 2025, DOI10.1016/j.seppur.2025.132444, **WOS:001448165100001, F.I. = 9**	9		
	18. Michalopoulos, SM; Kalavrouziotis, IK, Treated wastewater reuse practices, under a holistic approach at the city scale, OPERATIONAL RESEARCH, 2025, Volume 25 Issue3, DOI10.1007/s12351-025-00937-x, **WOS:001507008600001, F.I. = 2.7**	2.7		
27	Covaliu, C., **Paraschiv, G.**, Stoian, O., Buzatu, B., Mircea, C., Cristea, C. Halloysite nanotube applications for heavy metals removal from wastewater, E3S Web Conf. Volume 112, 2019, 8th International Conference on Thermal Equipment, Renewable Energy and Rural Development (TE-RE-RD 2019), ISSN: 2555-0403, DOI: 10.1051/e3sconf/201911204010, (indexed ISI Web of Knowlwdge), WOS:000619989000077	2		
	1. Xiao, C., Lin J.M., Efficient Removal of Cr(VI) Ions by a Novel Magnetic 4-Vinyl Pyridine Grafted Ni3Si2O5(OH)4 Multiwalled Nanotube, ACS OMEGA, vol. 5(6), pp. 23099-23110, 2020, DOI10.1021/acsomega.0c02874, **F.I.=3.317, WOS:000572832600046**	3.317		
	2. Wierzbicka, E., Legocka, I., Kuśmierek, K., Świątkowski, A., Modified polymers filler as an effective adsorbent of Cu(II) ions from an aqueous solution, Polimery/Polymers, 66(4), pp. 253-258, 2021, **WOS:000649571100005, F.I. = 4.430.**	4.43		
28	Dobrotă D., **Paraschiv G.**, Regarding the influence of the particle size of crumb rubber from waste rubber on the physical and mechanical characteristics of reclaimed rubber, 8th International Conference on Manufacturing Science and Education – MSE 2017 "Trends in New Industrial Revolution", MATEC Web of Conferences Vol. 121, Art. No. 01004, 2017, 7 pg., https://doi.org/10.1051/matecconf/201712101004	3		
	1. Saputra R., Walvekar R., Khalid M., Mubarak N.M., Sillanpaa M., Current progress in waste tire rubber devulcanization, CHEMOSPHERE, vol. 265, art. No. 129033, 2021, **WOS:000603465000029, F.I.=7.086.**	7.086		
	2. Shaaban I.G., Rizzuto J.P., El-Nemr A., Lin B., Ahmed H., Tindyebwa H., Mechanical Properties and Air Permeability of Concrete Containing Waste Tires Extracts. JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol. 33(2), 2021, Article Number: 04020472, DOI10.1061/(ASCE)MT.1943-5533.0003588, **F.I.=3.651, WOS:000634783300035.**	3.651		
	3. Innes J.R., Shriky B., Allan S., Wang X., Hebda M., Coates P., Whiteside B., Benkreira H., Caton-Rose P., Lu C.H., Wang Q., Kelly A. Effect of solid-state shear milled natural rubber particle size on the processing and dynamic vulcanization of recycled waste into thermoplastic vulcanizates. SUSTAINABLE MATERIALS AND TECHNOLOGIES, vol. 32, Article Numbere: 00424, 2022, DOI10.1016/j.susmat.2022.e00424, **F.I = 10.681, WOS:000793130800002.**	10.681		
29	Chitoiu M., Voicu Gh., Moiceanu G., **Paraschiv G.**, Dinca M., Vladut V., Tudor P., Energy consumption analysis on energetic plant biomass grinding using hammer mills, UPB. Sci. Bulletin, Series D, Vol. 80, Iss. 4, 2018, pp. 117 – 128, ISSN 1454-2358 (Ulrich`s International Periodicals Directory, Scopus, Inspec, Metadex, Elsevier sciencess bibliographic databases, Engineering village, Cambridge scientific abstracts, Compendex).	2		
	1. Urbaniak, D., Otwinowski, H., Wyleciał, T., (...), Barochkin, A.Y., Boryca, J., Research on the grinding energy density in a jet mill, Materials 14(8), 2008, 2021, **WOS:000644513900001, F.I.=3.623.**	3.623		
	2. Flizikowski, J., Kruszelnicka, W., Macko, M., The development of efficient contaminated polymer materials shredding in recycling processes, Polymers 13(5),713, pp. 1-44, 2021, **WOS:000628420200001, F.I.=4.329.**	4.329		
30	Bucur R.D., Cimpeanu C., Barbuta M., Ciobanu G., **Paraschiv G.**, Harja M., A comprehensive characterization of ash from Romania thermal power plant, Journal of Food, Agriculture and Environment, 12(2), 2014, pp. 943-949, ISSN 1459-0255.	1		
	1. Buema, G., Lupu, N., Chiriac, H., (...), Favier, L., Harja, M., Performance assessment of five adsorbents based on fly ash for removal of cadmium ions, Journal of Molecular Liquids 333,115932, 2021, **WOS:000648674100041, F.I.=6.165.**	6.165		
31	Barbuta M., Bucur R.D., Cimpeanu S.M., **Paraschiv G.**, Bucur D. Wastes in Building Materials Industry, Chapter 3 in Agroecology, edited by Vytautas Pilipavicius, IntechOpen, 2015.	6		
	1. Bheel N., Ali M.O.A., Kirgiz M.S., Gustavo de Sousa Galdino A., Kumar A., Fresh and mechanical properties of concrete made of binary substitution of millet husk ash and wheat straw ash for cement and fine aggregate, Journal of Materials Research and Technology, Volume 13, 2021, pp. 872-893, ISSN 2238-7854, **WOS:000697578000004,** https://doi.org/10.1016/j.jmrt.2021.04.095, **F.I. 5.039**	5.039		
	2. Waqas, H.A.; Bahrami, A.; Sahil, M.; Poshad Khan, A.; Ejaz, A.; Shafique, T.; Tariq, Z.; Ahmad, S.; Özkılıç, Y.O. Performance Prediction of Hybrid Bamboo-Reinforced Concrete Beams Using Gene Expression Programming for Sustainable Construction. Materials 2023, 16(20), 6788. https://doi.org/10.3390/ma16206788, **F.I.=3.4, WOS:001089968500001**	3.4		
	3. Athmane Azil, Karim Touati, Nassim Sebaibi, Malo Le Guern, François Streiff, Steve Goodhew, Moussa Gomina, Mohamed Boutouil, Monitoring of drying kinetics evolution and hygrothermal properties of new earth-based materials using climatic chamber simulation, Case Studies in Construction Materials, Vol. 18, 2023, e01798, ISSN 2214-5095, https://doi.org/10.1016/j.cscm.2022.e01798. (https://www.sciencedirect.com/science/article/pii/S2214509522009305), **F.I.=6.2, WOS:000916191400001**	6.2		
	4. Chen, L; Zhang YB; Chen ZH; Dong, YT; Jiang YS; Hua JM; Liu YF; Osman AI; Farghali M; Huang LP; Rooney DW; Yap PS, Biomaterials technology and policies in the building sector: a review, ENVIRONMENTAL CHEMISTRY LETTERS, Volume 22, Issue 2, Page 715-750, 2024, DOI10.1007/s10311-023-01689-w, **WOS:001149496000001, F.I. = 15**	15		
	5. Wei JH; Wei JM; Huang QJ; Abidin SMIBZ; Zou ZJ, Mechanism and Engineering Characteristics of Expansive Soil Reinforced by Industrial Solid Waste: A Review, BUILDINGS, Volume 13, Issue 4, 2023, DOI10.3390/buildings13041001, **WOS:000977480700001, F.I. = 3.1**	3.1		
	6. Litu, M; Ali, MF; Shabur, MA; Taimullah, M; Arnob, FM, Utilization of chromium tanned leather waste in cementitious and gypsum composites for sustainable construction materials, DISCOVER SUSTAINABILITY, 2025, Volume 6, Issue 1, DOI10.1007/s43621-025-01040-z, **WOS:001450810100001, F.I. =3**	3		
32	Ferdes M., Zabava B.S., Dinca M.N., **Paraschiv G.** Effect of ozone treatment on three bacterial strains of drinking water, Engineering for Rural Development, vol. 17,17th International Scientific Conference Engineering for Rural Development, ERD 2018, Jelgava, Letonia, 23.-25.05.2018, pp. 677-680, 2018, DOI: 10.22616/ERDev2018.17.N382, Cod 137032, ISSN: 1691-3043	1		
	1. Feng, C.; Zhu, N.; Li, Y.; Xu, Z.; Guo, Z. Microbial Characteristics of the Combined Ozone and Tea Polyphenols or Sodium Hypochlorite Disinfection in the Pipe Network. Water 2021, 13, 1835. https://doi.org/10.3390/w13131835, **WOS:000671155800001, F.I.=3.103**	3.103		
33	Ferdeş M., Dinca M., Zabava B., **Paraschiv G.**, Munteanu M., Ionescu M., Laccase enzyme production and biomass growth in liquid cultures of wood-degrading fungal strains, 46. Symposium "Actual Tasks on Agricultural Engineering", Opatija, Croatia, pp. 341-348, 2018.	2		
	1. Sulogna Chatterjee, S. Venkata Mohan "Fungal biorefinery for sustainable resource recovery from waste", Bioresource Technology, (2021-12-01) **WOS: 000743378600002, F.I.=9.642.**	9.642		
	2. Poddar, B.J. et al. A comprehensive review on the pretreatment of lignocellulosic wastes for improved biogas production by anaerobic digestion, International Journal of Environmental Science and Technology, vol. 19(4), pp. 3429-3456, 2021, DOI 10.1007/s13762-021-03248-8, **WOS:000635508900001, F.I. 2.86**	2.86		
34	Diaconu L., Butnariu C.I., Catrina A.G., **Paraschiv G.** Water depollution using Typha Angustifolia, ANNALS of Faculty Engineering Hunedoara – International Journal of Engineering, Tome XVII, Fascicule 3, 2019.	1		
	1. Singh T., Awasthi G., Tiwari Y., Recruiting endophytic bacteria of wetland plants to phytoremediate organic pollutants, International Journal of Environmental Science and Technology, 2021, DOI10.1007/s13762-021-03476-y, **WOS:000662154600001, F.I. 2.86**	2.86		
35	Ungureanu N., Vlădut V., Biris S.St., **Paraschiv G.**, FEM Modeling of Stress Distribution and Displacement in Clayey Soils during Artificial Compaction, Advanced Engineering Forum (Volume 27), Edited by Mihai Demian, pp. 118-125, 2018	1		

	1. Hu C., gao J.W., Song X.B., Zhang M., Tan X.H., Analytical modeling and DEM analysis of soil-wheel interaction under cornering and skidding conditions in off-road vehicles, vol 11(8), art no 085122, DOI10.1063/5.0057046, 2021, **WOS:000685638100002, F.I. 1.548**	1.548		
36	Rusanescu C.O., Voicu G., **Paraschiv G.**, Begea M., Purdea L., Petre I.C., Stoian E.V. Recovery of Sewage Sludge in the Cement Industry, Energies, vol. 15 (7), art. No. 2664, 2022, F.I.=3.252, DOI 10.3390/en15072664. WOS:000781808300001.	19		
	1. Gradinaru C.S., Pantilimon M.C., Grecu A., Berbecaru A.C., Sohaciu M.G., Predescu C., Nicolae A., ECO-SOCIO-TECHNOLOGICAL DEGRADATION OF THE METALLIC MATERIALS, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE, vol. 84(2), pp. 155-164, 2022, **F.I.=0.5, WOS:000805934600013**	0.5		
	2. Zhang J.R., Niu W.J., Yang Y.Z., Hou D.S., Dong B.Q. Machine learning prediction models for compressive strength of calcined sludge-cement composites, CONSTRUCTION AND BUILDING MATERIALS, vol. 346, art. no. 128442, 2022, DOI10.1016/j.conbuildmat.2022.128442, **WOS:000872954800034, F.I. = 7.693**	7.693		
	3. Bieszczad A., Popardowski, E., Lubinska, W., Gliniak, M., Nawalany, G., Sokolowski, P. Possibility of Using Waste Materials as Substitutes for Gravel or Water in Concrete Mix, Materials, vol. 16(5), Art. no. 1810, 2023, **F.I. =3.4**, DOI10.3390/ma16051810, **WOS:000947484900001**	3.4		
	4. Kalak T., Szypura, P., Cierpiszewski, R., Ulewicz, M. Modification of Concrete Composition Doped by Sewage Sludge Fly Ash and Its Effect on Compressive Strength, Materials, vol. 16(11), Art. no. 4043, 2023, **F.I. =3.4**, DOI10.3390/ma16114043, **WOS:001005861900001**	3.4		
	5. Ziejewska C., Grela A., Mierzwinski D., Hebda M. Influence of Waste Glass Addition on the Fire Resistance, Microstructure and Mechanical Properties of Geopolymer Composites, Materials, vol. 16(17), Art. no. 6011, 2023, **F.I. =3.4**, DOI10.3390/ma16176011, **WOS:001061192300001.**	3.4		
	6. Annaba K., El Mendili, Y., Stout H., Ech-chebab, A., Ouaki B., Cherkaoui, M. Mechanical, electrochemical (EIS), and microstructural characterization of reinforced concrete incorporating natural volcanic pozzolan, CASE STUDIES IN CONSTRUCTION MATERIALS, vol. 19, Art No. e02620, 2023, DOI10.1016/j.cscm.2023.e02620, **F.I.=6.2, WOS:001104624900001**	6.2		
	7. Sun XH; Sun R; Liu DR; Liu; Wang DM; Cao WL; Zhao YX, Preparation of coal gasification coarse slag-based alkaline activator and its activation mechanism in alkali-activated slag, CEMENT & CONCRETE COMPOSITES, Volume 152, 2024, DOI10.1016/j.cemconcomp.2024.105648, **WOS:001264453500001, F.I. = 10.8**	10.8		
	8. Amin M; Zeyad AM; Agwa IS; Rizk MS, Effect of industrial wastes on the properties of sustainable ultra-high-performance concrete: Ganite, ceramic, and glass, CONSTRUCTION AND BUILDING MATERIALS, Volume 428, 2024, DOI10.1016/j.conbuildmat.2024.136292, **WOS:001286038900001, F.I. = 7.4**	7.4		
	9. Xu W; Li F; Li GM, Original Partial Substitution of Lime-Dried Sludge as a Flux for Cement Sintering Ingredients, POLISH JOURNAL OF ENVIRONMENTAL STUDIES, Volume 33, Issue 3, Page 2931-2937, 2024, DOI10.15244/pjoes/175115, **WOS:001187781200010, F.I. = 1.4**	1.4		
	10.Sidhu A.S., Siddique R., Singh G. Review on the effect of sewage sludge ash on the properties of concrete, CONSTRUCTION AND BUILDING MATERIALS, vol. 449, art no 138296, 2024, DOI10.1016/j.conbuildmat.2024.138296,ISSN 0950-0618, eISSN 1879-0526, **WOS:001321843400001, F.I.=7.4**	7.4		
	11.Cheng W, Lin X, Liu W, Cao H, Xu J. Evaluation of the Feasibility and Utilizability of Pretreated Sewage Sludge in Cement Kiln Co-Processing. Sustainability. 2024; 16(20):9025. https://doi.org/10.3390/su16209025, eISSN 2071-1050, **WOS:001341535100001, F.I.=3.3**	3.3		
	12.Barani, M; Hlchi, S; Shirazi, MMA; Emamshoushtari, MM; Shariati, FP ; Bazgir, S, Investigation of biomass and pollutant kinetics in batch bioreactors for effective industrial oily wastewater treatment, JOURNAL OF WATER PROCESS ENGINEERING, vol. 70, 2025, DOI10.1016/j.jwpe.2025.107115, **WOS:001421682300001, F.I . = 6.7**	6.7		
	13. Dinca, C; Slavu, N, Integrating Power-to-Methane with Carbon Capture (P2M-CC) for Sustainable Decarbonization in Cement Manufacturing, ENERGIES, 2025 Vol. 18 ,Issue 4, DOI10.3390/en18040777, **WOS:001432369900001, F.I. = 3.2**	3.2		
	14. Karef, S; Azlaoui, M; Boussaid, K; Batana, FZ; Bruzzoniti, MC; Fodili, M; Kettab, A, Fertilizer potential and social perception of the agricultural reuse of sewage sludge and treated wastewater, DESALINATION AND WATER TREATMENT, 2025, Vol. 322, DOI10.1016/j.dwt.2025.101186,**WOS:001477179200001**, F.I. = 1	1		
	15. Mojapelo, KS; Kupolati, WK; Burger, EA; Ndambuki, JM; Snyman, J; Sadiku, ER; Ibrahim, ID, Optimising the mechanical properties of concrete for non-structural applications through partial replacement of fine aggregates with wastewater sludge, SCIENTIFIC REPORTS, 2025, Vol. 15, Issue 1, DOI10.1038/s41598-025-04151-9, **WOS:001499335000027, F.I. = 3.9**	3.9		
	16.Lin, R; Zhou, JW; Ye, CY ; Ma, HR; Ba, MF, Influence of ground heavy metal sludge sintered ceramsite powder on mechanical properties and shrinkage behavior of Portland cement-based materials, JOURNAL OF BUILDING ENGINEERING, 2025, Vol. 109, DOI10.1016/j.jobe.2025.112972, **WOS:001502215400007, F.I. = 7.4**	7.4		
	17. Ma, JT; Zheng, H; Qiu, H; Tan, YF; Zhao, SB, Hydration performance and optimization of multi-solid waste composite calcined sewage sludge, RSC ADVANCES, 2025, Volume 15 , Issue 32, Pag 26428-26443, DOI10.1039/d5ra03875h, **WOS:001538362000001, F.I. = 4.6**	4.6		
37	**Paraschiv G.**, Ferdes M., Ionescu M., Moiceanu G., Zabava B.S., Dinca M.N. Laccases-Versatile Enzymes Used to Reduce Environmental Pollution, Energies, vol. 15 (5), art. no. 1835, 2022, **F.I.=3.252**, DOI10.3390/en15051835. **WOS:000768534900001**	17		
	1. Agarwal N., Solanki V.S., Gacem A., Hasan M.A., Pare B., Srivastava A., Singh A., Yadav K et al. Bacterial Laccases as Biocatalysts for the Remediation of Environmental Toxic Pollutants: A Green and Eco-Friendly Approach-A Review, WATER vol. 14 (24), art. no. 4068, 2022, DOI10.3390/w14244068, **F.I = 3.4, WOS:000904198000001**	3.53		
	2. Ayodeji F.D., Shava B., Iqbal H.M.N., Ashraf S.S., Cui J.D., Franco M., Bilal M. Biocatalytic Versatilities and Biotechnological Prospects of Laccase for a Sustainable Industry. CATALYSIS LETTERS, vol. 153(7), pp. 1932-1956, 2023, DOI10.1007/s10562-022-04134-9, **F.I. = 2.8, WOS:000842868500001**	2.936		
	3. Puspita K., Chiari W., Abdulmadjid S.N., Idroes R., Iqhrammullah M., Four Decades of Laccase Research for Wastewater Treatment: Insights from Bibliometric Analysis, INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, vol. 20(1), Art. no. 308, 2023, **F.I. = 4.614,** DOI10.3390/ijerph20010308, **WOS:000909477800001**	4.614		
	4. Galazka A., Jankiewicz U., Szczepkowski A. Biochemical Characteristics of Laccases and Their Practical Application in the Removal of Xenobiotics from Water, APPLIED SCIENCES-BASEL, vol. 13(7), Art No. 4394, 2023, DOI10.3390/app13074394, **F.I.=2.7, WOS:000971320200001**	2.7		
	5. Chen J.H., Liu J., Chen B., Yang F., Li H., Jiang Z., Song H. Effective biodegradation of chlorophenols, sulfonamides, and their mixtures by bacterial laccase immobilized on chitin, ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol. 256, Art. no. 114856, 2023 DOI10.1016/j.ecoenv.2023.114856, **F.I.=6.8, WOS:000966332800001**	6.8		
	6. Jia J., Xue P., Liu X., Xu C., Gu Y., Li P. Laccase-mediator co-immobilized doped-HKUST-1 cellulose composite beads and their application for the biodegradation of carbazole, REACTION CHEMISTRY & ENGINEERING, vol. 8(9), pp. 2342-2352, 2023, DOI10.1039/d3re00253e, **F.I.=3.9, WOS:001008067500001**	3.9		
	7. Rahman, M. U., Ullah M.W., Shah J.A., Sethupathy, S., Bilal, H., Abdikakharovich, S.A., Khan A.U., Elboughdiri N., Zhu D., Harnessing the power of bacterial laccases for xenobiotic degradation in water: A 10-year overview, SCIENCE OF THE TOTAL ENVIRONMENT, vol. 918, art. no. 170498, 2024, DOI10.1016/j.scitotenv.2024.170498, 2024, **F.I.=9.8, WOS:001178775300001**	9.8		
	8.Gupta GK; Kapoor RK; Chhabra D; Bhardwaj NK; Shukla P, Synergistic effect of cellulo-xylanolytic and laccase enzyme consortia for improved deinking of waste papers, BIORESOURCE TECHNOLOGY, Volume 408, 2024, DOI10.1016/j.biortech.2024.131173, **WOS:001290189300001, F.I. = 9.7**	9.7		
	9. Pandey S; Gupta S, Exploring laccase: a sustainable enzymatic solution for the paper recycling domain, ARCHIVES OF MICROBIOLOGY, Volume206, Issue5, 2024, DOI10.1007/s00203-024-03927-3, **WOS:001200442300001, F.I. =2.3**	2.3		
	10.Sharma D., Gupta R.,Laccase: exploring structural insights and functional versatility for applications, BIOLOGIA,2024, vol. 79I(11), pp. 3381-3393, ISSN 0006-3088, eISSN 1336-9563, DOI10.1007/s11756-024-01787-2, **WOS:001304667500002, F.I.=1.4**	1.4		
	11.Safavi-Mirmahaleh, SK; Moradi-Shoeili, Z, Laccase-like nanozyme fabricated by Cu2+-doped ZIF8 for dopamine determination and catalytic degradation of phenolic pollutants, COLLOID AND POLYMER SCIENCE, Vol.303, Issue 2, Pag.185-196, 2025, **WOS:001342067400002, F.I. = 2.3**	2.3		
	12. Maati J., Polak J., Janczarek M., Graz M., Smaali I., Jarosz-Wilkolazka A. Biochemical characterization of a recombinant laccase from Halalkalibacterium halodurans C-125 and its application in the biotransformation of organic compounds, BIOTECHNOLOGY LETTERS, vol. 46(6), pp. 1199-1218, 2024, ISSN 0141-5492, eISSN 1573-6776 DOI10.1007/s10529-024-03532-w, **WOS:001344207900001, F.I.=2**	2		
	13.Galazka, A; Jankiewicz, U; Orzechowski, S, The Role of Ligninolytic Enzymes in Sustainable Agriculture: Applications and Challenges, AGRONOMY-BASEL, Vol.15, Issue 2, 2025, **WOS:001431944300001, F.I. =3.4**	3.4		
	14. Kaur, D; Kaur, P; Singh, A; Mor, N; Dalal, S; Sharma, J, Two stage enzymatic pretreatment of rice straw for its valorisation using Silicase and Laccase,3 BIOTECH, Vol.15, Issue 5, 2025, DOI10.1007/s13205-025-04281-x, **WOS:001459819900003, F.I. = 2.9**	2.9		
	15. Sharma, K; Sharma, A; Goyal, D; Jassal, S; Gupta, N, Bacterial laccase-mediated biodegradation of malachite green dye: a green solution to environmental pollution, BIOLOGIA, 2025, DOI10.1007/s11756-025-01962-z, **WOS:001499397000001, F.I. = 1.6**	1.6		
	16.Akbarpour, I , Surface characterization of pulp fiber from mixed waste newspaper and magazine deinked-pulp with combined cellulase and laccase-violuric acid system (LVS), BIORESOURCE TECHNOLOGY REPORTS, 2025, Volume 23, DOI10.1016/j.biteb.2023.101551, **WOS:001208289600003, F.I. = 4.3**	4.3		
	17. Mohammadi, SA; Naja, H; Zolgharnian, D; Shari, S ; Asasian-Kolur, N, Biological oxidation methods for the removal of organic and inorganic contaminants from wastewater: A comprehensive review, SCIENCE OF THE TOTAL ENVIRONMENT, 2025, Volume 843, DOI10.1016/j.scitotenv.2022.157026, **WOS:000826731000003, F.I. = 8**	8		

38	Moiceanu G., **Paraschiv G.**, Digital Twin and Smart Manufacturing in Industries: A Bibliometric Analysis with a Focus on Industry 4.0, Sensors, vol. 22(4), art. No. 1388, 2022, F.I.=3.847, DOI10.3390/s22041388. WOS:000769499200001.	26		
	1. Minca E., Filipescu A., Cernega D., Solea R., Filipescu A., Ionescu D., Simion G. Digital Twin for a Multifunctional Technology of Flexible Assembly on a Mechatronics Line with Integrated Robotic Systems and Mobile Visual Sensor-Challenges towards Industry 5.0. SENSORS, vol. 22 (21), art. no. 8153, 2022, DOI10.3390/s22218153, **I.F. = 3.847, WOS:000881435200001**	3.847		
	2. Lygerakis F., Kampelis N., Kolokotsa D., Knowledge Graphs' Ontologies and Applications for Energy Efficiency in Buildings: A Review, ENERGIES, vol. 15(20), art. no. 7520, 2022, DOI10.3390/en15207520 **F.I.=3.252, WOS:000874191500001**	3.252		
	3. Choi S., Woo J., Kim J., Lee J.Y., Digital Twin-Based Integrated Monitoring System: Korean Application Cases, SENSORS, vol. 22 (14), art. no. 5450, 2022, DOI10.3390/s22145450, **I.F. = 3.847, WOS:000832213300001**	3.847		
	4. Gallala A., Kumar A.A., Hichri B., Plapper P. Digital Twin for Human-Robot Interactions by Means of Industry 4.0 Enabling Technologies. SENSORS, vol. 22 (13), art. no. 4950, 2022, DOI10.3390/s22134950, **I.F. = 3.847, WOS:000822223600001**	3.847		
	5. Lei Y., Su Z., Xe XT, Cheng C., Immersive virtual reality application for intelligent manufacturing: Applications and art design, MATHEMATICAL BIOSCIENCES AND ENGINEERING, vol. 20(3), pp. 4353-4387, 2023, **F.I.=2.6,** DOI10.3934/mbe.2023202, **WOS:000908349400002**	2.6		
	6. Emmert-Streib F., Tripathi S., Dehmer M., Analyzing the Scholarly Literature of Digital Twin Research: Trends, Topics and Structure, IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC, vol. 11, pp. 69649-69666, 2023, **F.I.=3.9**, DOI10.1109/ACCESS.2023.3290488, **WOS:001030592000001**	3.9		
	7. Alviz-Meza A., Orozco-Agamez J., Quinaya D.C.P., Alviz-Amador A., Bibliometric Analysis of Fourth Industrial Revolution Applied to Material Sciences Based on Web of Science and Scopus Databases from 2017 to 2021, CHEMENGINEERING, vol. 7(1), art. no. 2, 2023, **F.I.=2.5**, DOI10.3390/chemengineering7010002, **WOS:000938434400001**	2.5		
	8. Gasiyarov V.R., Bovshik, P.A., Loginov B.M., Karandaev A.S., Khramshin, V.R., Radionov, A.A. Substantiating and Implementing Concept of Digital Twins for Virtual Commissioning of Industrial Mechatronic Complexes Exemplified by Rolling Mill Coilers, MACHINES, vol. 11(2), art. no. 276, 2023, **F.I.=2.6**, DOI10.3390/machines11020276, **WOS:000940699800001**	2.6		
	9. Hakimi O., Liu HX., Abudayyeh O., Digital twin-enabled smart facility management: A bibliometric review, FRONTIERS OF ENGINEERING MANAGEMENT, 2023, DOI10.1007/s42524-023-0254-4, **F.I.=7.4, WOS:000976854900001**	7.4		
	10. Dosoftei C.C., Simulation Power vs. Immersive Capabilities: Enhanced Understanding and Interaction with Digital Twin of a Mechatronic System, APPLIED SCIENCES-BASEL, vol. 13(11), Art. no. 6463, 2023 DOI10.3390/app13116463 **F.I.=2.7, WOS:001003995500001**	2.7		
	11. Marques P.C., Reis J., Santos R., Artificial Intelligence and Disruptive Technologies in Service Systems: A Bibliometric Analysis, INTERNATIONAL JOURNAL OF INNOVATION AND TECHNOLOGY MANAGEMENT, vol. 20 (07), 2023, DOI10.1142/S0219877023300033, **F.I.=1,8, WOS:001013913000002**	1.8		
	12. Ozkose H., Guney G., The effects of industry 4.0 on productivity: A scientific mapping study, TECHNOLOGY IN SOCIETY, vol. 75, art. no. 102368, 2023, DOI10.1016/j.techsoc.2023.102368, **F.I. = 9.2, WOS:001079793400001**	9.2		
	13. Alberti, E., Alvarez-Napagao, S., Anaya, V., Barroso, M., Barrue, C., Beecks, C., Bergamasco, L., Chala, S.A., Gimenez-Abalos, V. et al., AI Lifecycle Zero-Touch Orchestration within the Edge-to-Cloud Continuum for Industry 5.0, SYSTEMS, vol. 12(2), art. no. 48, 2024, DOI10.3390/systems12020048, **F.I.=1.9, WOS:001172594000001**	1.9		
	14. Jaoua, A., Masmoudi, S., Negri, E. Digital twin-based reinforcement learning framework: application to autonomous mobile robot dispatching, INTERNATIONAL JOURNAL OF COMPUTER INTEGRATED MANUFACTURING, 2024, DOI10.1080/0951192X.2024.2314787, **F.I.=4.1, WOS:001162974500001**	4.1		
	15. Wang HY; Gu L; Hong M, Research on the correlation between the degree of digitization of manufacturing process links and economic benefits, BUSINESS PROCESS MANAGEMENT JOURNAL, 2024, DOI10.1108/BPMJ-04-2023-0313, **WOS:001293046700001, F.I. = 4.5**	4.5		
	16. Lagap U; Ghaffarian S, Digital post-disaster risk management twinning: A review and improved conceptual framework, INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION, Volume 110, 2024, DOI10.1016/j.ijdrr.2024.104629, **WOS:001261789600001, F.I. = 4.2**	4.2		
	17.Ozyurt O; Özköse H; Ayaz A, Evaluating the latest trends of Industry 4.0 based on LDA topic model, JOURNAL OF SUPERCOMPUTING, Volume 80, Issue 13, Page19003-19030, 2024, DOI10.1007/s11227-024-06247-x, **WOS:001234050300004, F.I. = 2.5**	2.5		
	18. Es-haghi MS; Anitescu C; Rabczuk T, Methods for enabling real-time analysis in digital twins: A literature review, COMPUTERS & STRUCTURES, Volume 297, 2024, DOI10.1016/j.compstruc.2024.107342, **WOS:001224036100001, F.I. = 4.4**	4.4		
	19.Lehmhus D, Advances in Metal Casting Technology: A Review of State of the Art, Challenges and Trends-Part II: Technologies New and Revived, METALS, Volume 14,Issue 3, 2024, DOI10.3390/met14030334, **WOS:001193554000001, F.I. = 2.6**	2.6		
	20.Rejeb, A; Rejeb, K; Appolloni, A; Treiblmaier, H; Iranmanesh, M, Mapping the scholarly landscape of TikTok (Douyin): A bibliometric exploration of research topics and trends, DIGITAL BUSINESS,Vol.4, Issue 1, 2024, DOI10.1016/j.digbus.2024.100075, **WOS:001302753500001, F.I. = 7.2**	7.2		
	21. Lampropoulos, G; Larrucea, X; Colomo-Palacios, R, Digital Twins in Critical Infrastructure, INFORMATION, Vol.15, Issue 8, 2024, DOI10.3390/info15080454, **WOS:001305347300001, F.I. = 2.9**	2.9		
	22. Wang, HY; Gu, L; Hong, M, Research on the correlation between the degree of digitization of manufacturing process links and economic benefits, BUSINESS PROCESS MANAGEMENT JOURNAL, Vol.31, Issue 1, Pag. 298-339, 2024, DOI10.1108/BPMJ-04-2023-0313, **WOS:001293046700001, F.I. = 5.8**	5.8		
	23. Filipescu, A; Simion, G; Ionescu, D ; Filipescu, A, IoT-Cloud, VPN, and Digital Twin-Based Remote Monitoring and Control of a Multifunctional Robotic Cell in the Context of AI, Industry, and Education 4.0 and 5.0, SENSORS, Vol. 24, Issue 23, 2024, DOI10.3390/s24237451, **WOS:001377771600001, F.I. = 3.5**	3.5		
	24. Simion, G; Filipescu, A; Ionescu, D; Filipescu, A, Cloud/VPN-Based Remote Control of a Modular Production System Assisted by a Mobile Cyber-Physical Robotic System-Digital Twin Approach, SENSORS, Vol.25, Issue 2, 2025, DOI10.3390/s25020591, **WOS:001405432100001, F.I. = 3.5**	3.5		
	25. Wang, JS; Caimi, PF, CAR assembly line: Taking CAR T-cell manufacturing to the next level, BEST PRACTICE & RESEARCH CLINICAL HAEMATOLOGY, Vol.37, Issue 4, 2025, DOI10.1016/j.beha.2024.101595, **WOS:001397291200001**, **F.I = 2**	2		
	26. Paraschos, PD; Papadopoulos, G; Koulouriotis, DE, Multi-Objective Evolution and Swarm-Integrated Optimization of Manufacturing Processes in Simulation-Based Environments, MACHINES, Volume 13, Issue 7, 2025, DOI10.3390/machines13070611, **WOS:001535538000001**, **F.I. = 2.5**	2.5		
39	Covaliu – Mierla C.I., Matei E., Stoian O., Covaliu L., Costandanche A.C., Iovu H., **Paraschiv G**. TiO2-Based Nanofibrous Membranes for Environmental Protection, Membranes, vol. 12 (2), art. No. 236, 2022, F.I.= 4.562, DOI10.3390/membranes12020236. WOS:000763242300001.	13		
	1. Diaz-Abad S., Rodrigo M.A., Saez C., Lobato J., Enhancement of the Green H-2 Production by Using TiO2 Composite Polybenzimidazole Membranes. NANOMATERIALS, vol. 12(17), art. no. 2920, 2022, **F.I. = 5.719, WOS:000851987100001,** DOI10.3390/nano12172920	5.719		
	2. Trujillano R., Rives V., Garcia I., Photocatalytic Degradation of Paracetamol in Aqueous Medium Using TiO2 Prepared by the Sol-Gel Method. MOLECULES, vol. 27 (9), art. no. 2904, 2022, DOI10.3390/molecules27092904. **I.F.=4.927, WOS:000794570600001**	4.927		
	3. Valencia-Osorio, L.M., Zapata-Gonzalez, A. F., Ojeda-Galeano, J. D., Aguiar, M.L., Alvarez-Lainez, M.L., High-performance SiO2 nanofiber membrane applied for high-temperature air filtration, SEPARATION AND PURIFICATION TECHNOLOGY, vol. 328, art no 125030, 2024, DOI10.1016/j.seppur.2023.125030, **F.I.=8.6, WOS:001079754600001**	8.6		
	4. Kaidar, B.; Smagulova, G.; Imash, A.; Keneshbekova, A.; Ilyanov, A.; Mansurov, Z. Pitch/Metal Oxide Composite Fibers via Electrospinning for Environmental Applications. Technologies 2023, 11, 156. https://doi.org/10.3390/technologies11060156, **F.I.=3.6, WOS:001130789600001**	3.6		
	5. Haidry, A.A., Yucheng W., Fatima, Q., Raza A., Zhong L., Chen H., Mandebvu C.R., Ghani F., Synthesis and characterization of TiO2 nanomaterials for sensing environmental volatile compounds (VOCs): A review, TRAC-TRENDS IN ANALYTICAL CHEMISTRY, vol. 170, art no 117454, 2024, DOI10.1016/j.trac.2023.117454, **F.I.=13.1, WOS:001134514000001**	13.1		
	6.Jiao WL; Cheng W; Fei YF; Zhang XH; Liu YT; Ding B, TiO2/SiO2 spiral crimped Janus fibers engineered for stretchable ceramic membranes with high-temperature resistance, NANOSCALE, Volume 16, Issue 25, Page12248-12257, 2024,DOI10.1039/d4nr01069h, **WOS:001241078000001, F.I. = 5.8**	5.8		
	7. Lana GM; Bello IT,; Adedokun OM; Adenigba VO; Jubu PR; Adedokun O; Sanusi, YK; Dhlamini MS; Awodugba AO, One-Dimensional TiO2 Nanocomposite-based Photoanode for Dye-Sensitized solar Cells: A review, SOLAR ENERGY, Volume 279, 2024, DOI10.1016/j.solener.2024.112850, **WOS:001295787000001, F.I. = 6**	6		
	8. Nalbandian MJ; Kim S; Gonzalez-Ribot HE; Myung N; Cwiertny DM, JOURNAL OF HAZARDOUS MATERIALS ADVANCES, Volume 8, 2024, DOI10.1016/j.hazadv.2022.100204, **WOS:001037240800003, F.I. = 5.4**	5.4		
	9.Gatou, MA; Syrrakou, A; Lagopati, N; Pavlatou, EA, Photocatalytic TiO2-Based Nanostructures as a Promising Material for Diverse Environmental Applications: A Review, REACTIONS, Vol. 5, Issue 1, Pag.135-194, 2025, **WOS:001193437800001, F.I. = 2.2**	2.2		
	10.Zulu, E; Ramasamy, S; Sikhwivhilu, KK; Syampungani, S, A comprehensive review of recent advances in membrane innovations for efficient heavy metal removal from mine effluents, SCIENTIFIC AFRICAN,Vol. 27,2025, DOI10.1016/j.sciaf.2024.e02510, **WOS:001413705800001, F.I. = 3.3**	3.3		

	11.Jiao W., Cheng W., Fei Y.F., Zhang X.H., Liu Y.T., Ding B., TiO2/SiO2 spiral crimped Janus fibers engineered for stretchable ceramic membranes with high-temperature resistance, NANOSCALE, vol. 16(25), pp. 12248-12257, 2024, DOI10.1039/d4nr01069h, ISSN 2040-3364, eISSN 2040-3372, **WOS:001241078000001, F.I.=5.8**	5.8		
	12.Nelson, K; Mecha, AC; Samuel, HM; Suliman, ZA, Recent Trends in the Application of Photocatalytic Membranes in Removal of Emerging Organic Contaminants in Wastewater, PROCESSES,Vol. 13, Issue 1, 2025, DOI10.3390/pr13010163, **WOS:001403809600001, F.I. = 2.8**	2.8		
	13.Wang, JH; Yu, SY; Li, CJ, Preparation and application of flexible carbon nanofiber membranes via electrospinning: from stress dispersion to multifunctionality, POLYMER JOURNAL, Vol. 57, Issue 6, Pag. 605-622, 2025, DOI10.1038/s41428-025-01024-w, **WOS:001436485000001, F.I. = 2.7**	2.7		
40	Pirvu F., Covaliu – Mierla C.I., Paun I., **Paraschiv G.**, Iancu V., Treatment of Wastewater Containing Nonsteroidal Anti-Inflammatory Drugs Using Activated Carbon Material, Materials, vol. 15(2), art. No. 559, 2022, F.I.= 3.748, DOI10.3390/ma15020559. WOS:000783729000001	17		
	1. Jabar J.M., Adebayo M.A., Owokotomo I.A., Odusote Y.A., Ilmaz M.Y. Synthesis of high surface area mesoporous ZnCl2-activated cocoa (Theobroma cacao L) leaves biochar derived via pyrolysis for crystal violet dye removal. HELIYON. vol. 8(10), 2022, DOI10.1016/j.heliyon.2022.e10873, **I.F. = 3.776, WOS:000869492600027**	3.776		
	2. Wang J., Su Y., Lv S.W., Sun L.H. The efficient removal of diclofenac sodium and bromocresol green from aqueous solution by sea urchin-like Ni/Co-BTC bimetallic organic framework: adsorption isotherms, kinetics and mechanisms. NEW JOURNAL OF CHEMISTRY. vol. 46 (38), pp. 18374 - 18383, 2022. **I.F.=3.925, WOS:000860125300001**	3.925		
	3. Kusmierek K., Dabek L., Swiatkowski A., The use of modified multi-walled carbon nanotubes for the removal of selected pharmaceuticals from the aqueous environment, DESALINATION AND WATER TREATMENT, vol. 288, pp. 60-71, 2023, DOI10.5004/dwt.2023.29140, **F.I.=1.1, WOS:000981260700008**	1.1		
	4. Serban G.V., Iancu V.I., Dinu C., Tenea A., Vasilache N., Cristea I., Niculescu M., Ionescu I., Chiriac F.L., Removal Efficiency and Adsorption Kinetics of Methyl Orange from Wastewater by Commercial Activated Carbon, SUSTAINABILITY, vol.15(17), 2023, art. no. 12939, **F.I.=3.9,** DOI10.3390/su151712939, **WOS:001060632700001**	3.9		
	5. Makowska M., Spychala M., Gajewska K., Impact of Pharmaceuticals on the Individual Wastewater Treatment System, JOURNAL OF ECOLOGICAL ENGINEERING, vol. 25(2), pp. 257-266, 2024, DOI10.12911/22998993/176945, **F.I.=3, WOS:001145050200008**	3		
	6. Asheghmoalla M; Mehrvar M, Adsorption of a Multicomponent Pharmaceutical Wastewater on Charcoal-Based Activated Carbon: Equilibrium and Kinetics, WATER, Volume 16, Issue15, 2024, DOI10.3390/w16152086, **WOS:001287044500001, F.I. = 3**	3		
	7.Godlewska K; Paszkiewicz M, Reusable passive sampler with carbon nanotubes for monitoring contaminants in wastewater: Application, regeneration and reuse, CHEMOSPHERE, Volume 332, 2023, DOI10.1016/j.chemosphere.2023.138855, **WOS:001000683900001, F.I. = 8.1**	8.1		
	8. Cingo, X; Nqombolo A; Mpupa A; Nyaba L; Mapazi O; Nomngongo PN, Valorisation of coal gasification slag and fly ash to mesoporous activated carbon @zeolite socony mobil-5 composite for preconcentration of pharmaceuticals and their removal, ARABIAN JOURNAL OF CHEMISTRY, Volume 17, Issue 7, 2024, DOI10.1016/j.arabjc.2024.105838, **WOS:001265104600001, F.I = 5.3**	5.3		
	9. Cingo, X; Nqombolo, A ; Mpupa, A; Nyaba, L ; Mapazi, O; Nomngongo, PN, Valorisation of coal gasification slag and fly ash to mesoporous activated carbon @zeolite socony mobil-5 composite for preconcentration of pharmaceuticals and their removal, ARABIAN JOURNAL OF CHEMISTRY, Vol. 17, Issue 7, 2024, DOI10.1016/j.arabjc.2024.105838, **WOS:001265104600001, F.I. = 5.2**	5.2		
	10. Wang, X ; Wen, H; Liu, YK; Kong, A; Zhai, RH; Liu, D; Guo, QB, A FACILE, SELECTIVE AEROBIC OXIDATION OF ALCOHOLS OVER COMMERCIAL ACTIVATED CARBON, REVUE ROUMAINE DE CHIMIE, Vol.69, Issue 7-8, 2024, DOI10.33224/rrch.2024.69.7-8.03, **WOS:001343292800003, F.I. = 0.6**	0.6		
	11.Huang, ZJ; Wang, Y; Zhao, QQ ; Zhang, C; Yang, CY; Zhou, CT; Zhao, XD; Zhou, Z, Unravelling sequence-dependent molecular transformation pathways of dissolved organic matter in chemical cleaning wastewater during combined Fenton oxidation and activated carbon adsorption processes, SEPARATION AND PURIFICATION TECHNOLOGY, 2025, Volume 377, Part 2, DOI10.1016/j.seppur.2025.134335, **WOS:001534505900002, F.I. = 9**	9		
	12.Mahdavi, P; Siol, A; Thöming, J, Adsorption-based removal of pharmaceutical from water: A critical review on adsorbent performance, JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, 2025, Volume 13, Issue 5, DOI10.1016/j.jece.2025.117520, **WOS:001513696600008, F.I. = 7.2**	7.2		
	13. Laura, P; Agata, W; Kamila, PN, Non-steroidal anti-inflammatory drugs as emerging water and food contaminants: review, REVIEWS IN ENVIRONMENTAL SCIENCE AND BIO-TECHNOLOGY, 2025, DOI10.1007/s11157-025-09735-5, **WOS:001552553200001**, F.I. = 10.6	10.6		
41	Covaliu C.I., Stoian O., Matei E., **Paraschiv G.**,Tanasa E., Catrina G.A. Research on copper ions removal from wastewater using Fe3O4 and Fe3O4-PVP hybrid nanomaterials, Materiale Plastice, vol. 58(1), pp. 154-166, ISSN 0025-5289, 2021, DOI 10.37358/MP.21.1.5455., WOS:000691214700002, F.I. 0.593	7		
	1. Kumar D., Singh H., Jain A., Sharma V., Bhardwaj N., Puri S., Khatri M. Response surface methodology for removal of copper (II) ions from aqueous solutions by DMSA@SiO2@Fe3O4 nanocomposite. CHEMICAL PAPERS, 2023, DOI10.1007/s11696-022-02588-0. **I.F. = 2.2, WOS:000888716100001.**	2.2		
	2. Emenike E.C., Adeniyi A.G., Omuku P.E., Okwu K.C., Iwuozor K.O. Recent advances in nano-adsorbents for the sequestration of copper from water. JOURNAL OF WATER PROCESS ENGINEERING, vol. 47, art. No. 102715, 2022, DOI10.1016/j.jwpe.2022.102715, **I.F.=7.34, WOS:000791287000015.**	7.34		
	3. Tatar A.M., Mihut N.M., Pasare M.M., Cirtina C.L., Alecsoiu O.R., Pasculescu D., Avramoiu R. Research on Obtaining Nanostructured Surfaces Efficient in Combating Microbial Biofilm.MATERIALE PLASTICE, vol. 59(1), pp. 99-108, 2022, DOI10.37358/MP.22.1.5563, **I.F.=0.782, WOS:000783749900006.**	0.782		
	4. Barzegar B., Peighambardoust, S.J., Aghdasinia, H., Foroutan, R., Multi-characteristic optimization and modeling analysis of Cu2+removal from wastewater using activated coke/MnFe2O4 magnetic composite, JOURNAL OF WATER PROCESS ENGINEERING, vol. 53, art. no. 103803, 2023, **F.I.=7**, DOI10.1016/j.jwpe.2023.103803, **WOS:001001382200001**	7		
	5. Bartha C., Tokos, A., Jipa M., Caramitu A., Voina A., Circiumaru G., Micu D.D., Lingvay I. Saving Energy in Biological Wastewater Treatment by Using Extremely Low-Frequency Electric Field-Pilot-Scale Study, SUSTAINABILITY, vol. 15(15), art. no. 11670, 2023, **F.I.=3.9**, DOI10.3390/su151511670, **WOS:001046448900001**	3.9		
	6.Hu XY; Zhang S; Liu GC; Wang JB; Wang Y, Promoting mechanism of nitrogen removal by Fe3O4 magnetic particles during the start-up phase in sequencing batch reactor, BIOPROCESS AND BIOSYSTEMS ENGINEERING, Volume 47, Issue 6,Page851-862, 2024, DOI10.1007/s00449-024-03006-3, **WOS:001208951000001, F.I. = 3.5**	3.5		
	7. Abo, LD; Areti, HA; Jayakumar, M; Rangaraju, M; Subashini, S, Nanobiomaterials-enabled sensors for heavy metal detection and remediation in wastewater systems: advances in synthesis, characterization, and environmental applications, RESULTS IN ENGINEERING, 2025, Volume 27, DOI10.1016/j.rineng.2025.105694, **WOS:001513746000001**, F.I. = 7.9	7.9		
42	Collaguazo, G; Badea, A; Stan, C; Apostol, T; **Paraschiv, G;** Pasztai, Z, Landfill gas to energy conversion from Oradea municipal waste landfill in Romania, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 18 Issue: 2 Pages: 311-320, Feb 2019, ISSN: 1582-9596, WOS:000463655200005.	1		
	1. Liang X., Goh H.H., Kurniawan T.A., Zhang D., Dai W., Liu H., Liu J.F., Goh K.C. Utilizing landfill gas (LFG) to electrify digital data centers in China for accelerating energy transition in Industry 4.0 era. JOURNAL OF CLEANER PRODUCTION, vol. 369, Article Number: 133297, DOI10.1016/j.jclepro.2022.133297, 2022, **F.I. = 11.072, WOS:000878236700014.**	11.072		
43	Dinca M., Voicu Gh., Toma L., Ferdes M., Voicea I., Ungureanu N., **Paraschiv G**., Moiceanu G., Vladut V., Biogas production from anaerobic co-digestion of cow manure and leaves of Miscanthus x giganteus, Romanian Biotechnological Letters, 2017, pp.13035-13044, DOI: 10.26327/RBL2017.50, ISSN 1224 – 5984 F.I.=0,321, WOS:000423282700014.	2		
	1. Vargas-Soplin A.D., Prochnow A., Herrmann C., Tscheuschner B., Kreidenweis U. The potential for biogas production from autumn tree leaves to supply energy and reduce greenhouse gas emissions - A case study from the city of Berlin. RESOURCES CONSERVATION AND RECYCLING, vol. 87, 2022, Article Number: 106598, DOI10.1016/j.resconrec.2022.106598, **F.I.=13.716, WOS:000914244500005.**	13.716		
	2.Vargas-Soplín AD; Meyer-Aurich A; Prochnow A; Kreidenweis U, Alternative uses for urban autumn tree leaves: A case study in profitability and greenhouse gas emissions for the city of Berlin, JOURNAL OF CLEANER PRODUCTION, Volume 470, 2024, DOI10.1016/j.jclepro.2024.143290, **WOS:001292170000001, F.I. = 9.7**	9.7		
44	Voicea I., Vladut V., Cardei P., Matache M., Gageanu I., Voicu Gh., Popescu C., **Paraschiv G.**, Kabas O., Compacting process and mathematical analysis of miscanthus briquettes expansion, Proceedings of the 43rd Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 24 - 27 February 2015, p. 667- 676, ISSN 1848-4425; (Thomson Reuters: Conference Proceedings Citation Index and ISTP, CAB International - Agricultural Engineering Abstracts) http://atae.agr.hr.	2		
	1.Demirel B, Determination of solid biofuel properties of hazelnut husk briquettes obtained at different compaction pressures, BIOMASS CONVERSION AND BIOREFINERY, Volume 13, Issue 14, Page13267-13278, 2024, DOI10.1007/s13399-023-04431-2, **WOS:001196578700001, F.I. = 3.5**	3.5		
45	Rusănescu, C.O.; Rusănescu, M.; Voicu, G.; **Paraschiv, G.**; Biriș, S.Ș.; Popescu, I.N. The Recovery of Vermicompost Sewage Sludge in Agriculture. Agronomy 2022, 12, 2653. https://doi.org/10.3390/agronomy12112653, F.I.=3.7, WOS:000880687800001	11		
	1. Costea, MA., Rosan, CA., Laslo, V., Agud, E., Purcarea, C., Vicas, SI., The Comet Assay as a Sustainable Method for Evaluating the Genotoxicity Caused by the Soluble Fraction Derived from Sewage Sludge on Diverse Cell Types, Including Lymphocytes, Coelomocytes and Allium cepa L. Cells, SUSTAINABILITY, vol. 16(1), Art. no. 457, 2024, DOI10.3390/su16010457, **F.I.=3.9, WOS:001141466200001**	3.9		
	2. Gonzalez-Moreno M., Graciantepara luceta B.G., Sadaba S.M., Cobo E.P., Seco A., A biological insight of hops wastes vermicomposting by Eisenia Andrei, JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT, vol. 26(1), pp. 444-454, 2024, DOI10.1007/s10163-023-01848-9, **F.I.=3.1, WOS:001126959500002**	3.1		

	3. Vavouraki, A.I.; Kornaros, M. Vermi-Conversion of Anaerobic Sludges by Eisenia fetida Earthworms. Fermentation, 2023, vol. 9(6), art no. 512. **F.I.=3.7**, https://doi.org/10.3390/fermentation9060512, **WOS:001014559300001**	3.7		
	4. Kujawa, S.; Niedbała, G.; Czekała, W.; Pentoś, K. Neural Image Analysis for the Determination of Total and Volatile Solids in a Composted Sewage Sludge and Maize Straw Mixture. APPLIED SCIENCES-BASEL, 2023, vol. 13(5), art no. 3363. https://doi.org/10.3390/app13053363, **F.I.=2.7, WOS:000946952800001**	2.7		
	5. Kacprzak, MJ; Bauman-Kaszubska, H; Wójcicka, K, The seasonal changes of heavy metal content as limiting factor of sewage sludge re-use as fertilizer ingredient, based on data from WWTPs in Poland, ARCHIVES OF CIVIL ENGINEERING, Vol.70, Issue3, Pag. 173-190, 2024, DOI10.24425/ace.2024.150977, **WOS:001330516600011, F.I. = 1.1**	1.1		
	6. Bhartiya, DK; Nath, G; Singh, K, Vermicomposting: a technology for vermiremediation of heavy metals from sewage sludge and animal dung, INTERNATIONAL JOURNAL OF RECYCLING OF ORGANIC WASTE IN AGRICULTURE, Vol.13, Issue 4, 2024, DOI10.57647/ijrowa-3kgw-nr28, **WOS:001343405300001, F.I. = 1.2**	1.2		
	7. Zhimin Yu, Meng Zhou, Hongwei Zhang, Lei Yuan, Pin Lv, Limin Wang, Jizhou Zhang, Changes in Cd forms and Cd resistance genes in municipal sludge during coupled earthworm and biochar composting, Ecotoxicology and Environmental Safety, Volume 286, 117179, ISSN 0147-6513, 2024, https://doi.org/10.1016/j.ecoenv.2024.117179, **WOS:001334193900001, F.I. = 6.2**	6.2		
	8. Shilev, S; Neykova, I, EFFECTS OF SEWAGE SLUDGE VERMICOMPOST ON SOIL MICROBIAL PHYSIOLOGY AND ENZYMATIC ACTIVITIES IN THE TOMATO RHIZOSPHERE, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Vol. 23,Issue 12, 2024, DOI10.30638/eemj.2024.204, **WOS:001421108600012, F.I. = 0.9**	0.9		
	9.Vieira, ITR; Nascimento, AL; Sampaio, RA; Pegoraro, RF, Vermicompost from sewage sludge: effects on heavy metal presence in soil and bioaccumulation in castor bean, INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, 2025, DOI10.1007/s13762-025-06353-0, **WOS:001412708600001**, F.I. = 3	3		
46	Diaconu L.I., Covaliu-Mierla C.I., Paunescu O., Covaliu L.D., Iovu H., **Paraschiv G.**, Phytoremediation of Wastewater Containing Lead and Manganese Ions Using Algae, Biology-Basel, Vol. 12, Iss. 6, art No 773, 2023, DOI10.3390/biology12060773, WOS:001016947300001, F.I. = 4.2	13		
	1. Jutrovic M., Reljic D.T., Zovko M., Kovacic M.B., Perekovic P., Kamenecki M. Potential for Applying Nature-Based Solutions to Urban Waterways: The Case Study of Medvescak and Crnomerec Streams in the City of Zagreb, Croatia, Sustainability, vol. 15(13), Art No. 9959, 2023, DOI10.3390/su15139959, **F.I.=3.9, WOS:001028533700001**	3.9		
	2.Persano F; Malitesta C; Mazzotta E, Cellulose-Based Hydrogels for Wastewater Treatment: A Focus on Metal Ions Removal, POLYMERS, Volume 16, Issue 9, 2024, DOI10.3390/polym16091292, **WOS:001220106700001, F.I. = 4.7**	4.7		
	3.El-Sheekh MM; El Sabagh S; Elbeltagy A; Abou El Souod G, Removal of cadmium ions from aqueous solution by raw, pretreated, and immobilized Pterocladia capillacea biomass, BIOREMEDIATION JOURNAL, 2024, DOI10.1080/10889868.2024.2338490, **WOS:001203991400001, F.I. = 1.9**	1.9		
	4.Alotaibi AS; Alhumairi AM ; Ghabban H; Alenzi AM; Hamouda RA, Simultaneous production of biofuel, and removal of heavy metals using marine alga Turbinaria turbinata as a feedstock in NEOM Region, Tabuk, ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, Volume 275, 2024, DOI10.1016/j.ecoenv.2024.116224, **WOS:001224486800001, F.I. = 6.2**	6.2		
	5. Jayaraman, J; Kumaraswamy, J; Rao, YKSS ; Karthick, M; Baskar, S; Anish, M; Sharma, A; Yadav, AS; Alam, T; Ammarullah, MI, Wastewater treatment by algae-based membrane bioreactors: a review of the arrangement of a membrane reactor, physico-chemical properties, advantages and challenges, RSC ADVANCES, 2024, Vol.14, Issue 47, Pag. 34769-34790, DOI10.1039/d4ra04417g, **WOS:001345074900001, F.I. = 3.9**	3.9		
	6. Gillani, Z; Zain-ul-Abdin; Khalid, Z.; Arif, S; Waseem, M; Haq, S, Highly Ordered and Uniform Growth of Magnetite Nanoparticles on the Surface of Amberlyst-15: Lead Ions Removal Study, JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, Vol. 5, Issue 4, Pag. 3182-3195,2025, DOI10.1007/s10904-024-03453-1, **WOS:001346020200003, F.I. = 3.9**	3.9		
	7. Göncü, S; Uygun, BS Atakan, S, Nıtrogen and phosphorus removal from wastewater usıng Chlorella vulgarıs and Scenedesmus quadrıcauda mıcroalgae wıth a batch bıoreactor, INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, 2025, DOI10.1007/s13762-025-06380-x, **WOS:001420950400001, F.I. = 3**	3		
	8. Zhang, Y; Wu, HJ; Zhang, ZY; Guo, WD; Yu, JX; Zeng, RY; Chi, R; Pan, ZQ, Highly efficient removal of Mn(II) and organic pollutant by adipate functionalized Ca-Al layered double hydroxides: Capture behavior and mechanism, COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, Vol. 717, 2025,DOI10.1016/j.colsurfa.2025.136774, **WOS:001462441900001, F.I. = 4.9**	4.9		
	9.Rahman, A; Shaikh, N; Habiba, S; Aslam, A; Naseer, F, Unveiling the biostimulant assets of Sargassum ilicifolium with Pseudomonas aeruginosa to mitigate heavy metal stress in the sunflower as a sustainable approach, CANADIAN JOURNAL OF SOIL SCIENCE, vol. 105, 2025, DOI10.1139/cjss-2024-0093, **WOS:001493817100001, F.I. = 1.5**	1.5		
	10. Zhang, CY; Du, RH; Wang, R; Sun, W; Luo, YP; Yu, ZY, Technological advances and sustainable strategies for electrolytic manganese wastewater treatment: A critical review, PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol. 199, 2025, DOI10.1016/j.psep.2025.107274, **WOS:001505522600002, F.I. = 6.9**	6.9		
	11. Ahmed, MT ; Alrumman, SA; Singh, AK; Kumar, P; Singh, J, Kinetic Assessment of Plant Growth and Pollutant Removal by Water Lettuce (Pistia Stratiotes L.) from Integrated Industrial Wastewater: A Lab-Scale Study, WATER AIR AND SOIL POLLUTION, 2025, Volume 236, Issue 12, DOI10.1007/s11270-025-08454-5, **WOS:001550918600001**, **F.I. = 3**	3		
	12. Farid, M ; Zulfiqar, A; Farid, S; Alshehri, MA; Alomrani, SO; Asam, ZU; Sarfraz, W ; Ghafoor, A ; Ali, S, Combined application of Azadirachta indica leaf extract and zerovalent iron nanoparticles (nZVI) enhances phytoremediation potential of Brassica napus L. in surgical industry wastewater, INTERNATIONAL JOURNAL OF PHYTOREMEDIATION, 2025, DOI10.1080/15226514.2025.2537201, **WOS:001541805100001, F.I. = 3.1**	3.1		
	13. Raza, MA, Fabrication of Cellulose-Based Hydrogels Through Ionizing Radiation for Environmental and Agricultural Applications, GELS, 2025, Volume 11 Issue 8, DOI10.3390/gels11080604, **WOS:001557602900001, F.I. = 5.3**	5.3		
47	Ferdes M., **Paraschiv G.,** Ionescu M., Dinca M.N., Moiceanu G., Zabava B.S. Anaerobic Co-Digestion: A Way to Potentiate the Synergistic Effect of Multiple Substrates and Microbial Diversity, Energies, vol. 16 (5), art. no. 2116, 2023, F.I.=3.2, https://doi.org/10.3390/en16052116, WOS:000947526100001.	12		
	1.Alkhrissat T., Kassab G., Abdel-Jaber M., Impact of Iron Oxide Nanoparticles on Anaerobic Co-Digestion of Cow Manure and Sewage Sludge, ENERGIES, vol. 16(15), art. no. 5844, 2023, **F.I.=3.2**, DOI10.3390/en16155844, **WOS:001045381000001**	3.2		
	2.Ruiz LM; Fernández M; Martín-Pascual J ; Zamorano M, Multi-Parametric Analysis Based on Physico-Chemical Characterization and Biochemical Methane Potential Estimation for the Selection of Industrial Wastes as Co-Substrates in Anaerobic Digestion, ENERGIES, Volume 16, Issue 14, 2024, DOI10.3390/en16145444, **WOS:001038506200001, F.I. = 3**	3		
	3.Mirabi M; Karrabi M; Shahnavaz B, Anaerobic co-digestion of lignocellulosic/lipidic wastes with cattle manure: Investigating biogas production and methane yield, FUEL, Volume 366, 2024, DOI10.1016/j.fuel.2024.131286, **WOS:001203001000001, F.I. = 6.7**	6.7		
	4. Usman, M; Luo, G; El-Din, MG, Sustainable bioenergy potential of peat-moss derived hydrothermal aqueous phase: Insights into methane production and organic transformation, BIORESOURCE TECHNOLOGY, Vol. 415, 2025, DOI10.1016/j.biortech.2024.131662, **WOS:001345523200001, F.I. = 9.7**	9.7		
	5. Appala, VNSG; Pandhare, NN; Bajpai, S, Assessment of biogas production using chrome-tanned leather waste and its kinetic evaluation: Influence of different pre-treatment methods and co-digestion with food waste, BIOMASS CONVERSION AND BIOREFINERY, 2025, DOI10.1007/s13399-024-06257-y, **WOS:001406219900001, F.I. = 3.5**	3.5		
	6. Pérez, HJV; de Souza, CL; Passos, F; Roman, MB; Mora, EJC, Advancing wastewater management and resource recovery through mainstream liquid anaerobic co-digestion of wastewater and organic waste, JOURNAL OF WATER PROCESS ENGINEERING, vol.72, DOI10.1016/j.jwpe.2025.107493, **WOS:001449165600001, F.I. = 6.3**	6.3		
	7. Sunar, SL; Kumara, MK; Oruganti, RK; Khadka, KK; Panda, TK; Bhattacharyya, D, Pretreatment and anaerobic co-digestion of lignocellulosic biomass: Recent developments, BIORESOURCE TECHNOLOGY REPORTS, vol. 30, DOI10.1016/j.biteb.2025.102133, **WOS:001489714900001,** F.I. = 0.855	0.855		
	8. Khan, S; Cowan, AK; Deng, Z; Phulphoto, IA; Jalil, A; Wang, BB; Yu, ZS, Exploring potential synergies in the integration of anaerobic co-digestion with dark fermentation or microbial electrolysis to enhance methane output, BIOFUELS-UK, 2025, DOI10.1080/17597269.2025.2506882, **WOS:001501347400001, F.I. = 2.1**	2.1		
	9.Saranya, S; Dhayanithi, S; Chellapandi, P, Sustainable biogas-powered desalination using marine microalgae: A review, RENEWABLE & SUSTAINABLE ENERGY REVIEWS, 2025, DOI10.1016/j.rser.2025.115886, **WOS:001500402000003, F.I. = 16.3**	16.3		
	10. de la Flor, JP; Martínez-Hernando, MP; Paredes, R; Garcia-Franco, E; Cabello, JP ; Ortega, MF, Waste as a Source of Fuel and Developments in Hydrogen Storage: Applied Cases in Spain and Their Future Potential, APPLIED SCIENCES-BASEL, Volume15, Issue 13, 2025, DOI10.3390/app15137514, **WOS:001526218500001**, **F.I. = 2.5**	2.5		
	11. Chorukova, E; Stoyancheva, G; Kabaivanova, L, Experimental Study of Two-Stage Anaerobic Co-Digestion of Corn Steep Liquor and Agricultural Wastes for Hydrogen and Methane Production Including Metagenomics, APPLIED SCIENCES-BASEL, Volume 15, Issue 13, 2025, DOI10.3390/app15137076, **WOS:001526196500001**, **F.I. = 2.5**	2.5		
	12. Arvelli, S; Jia, LJ; Zhang, MR; Zhao, JK, Review of Advanced Technologies and Circular Pathways for Food Waste Valorization, JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, 2025, Volume 73, Issue 26, Page 16085-16108, DOI10.1021/acs.jafc.5c03394, **WOS:001518524500001, F.I. = 6.2**	6.2		
48	Ferdeș, M.; Zăbavă, B.Ș.; **Paraschiv, G.**; Ionescu, M.; Dincă, M.N.; Moiceanu, G. Food Waste Management for Biogas Production in the Context of Sustainable Development. Energies 2022, 15(17), 6268. https://doi.org/10.3390/en15176268.	34		
	1. Tiong Y.W., Sharma P., Tian H.L., Tsui T.H., Lam H.T., Tong Y.W., Startup performance and microbial communities of a decentralized anaerobic digestion of food waste, Chemosphere, vol. 318, 2023, Art no. 137937, **F.I. 8.8**, DOI10.1016/j.chemosphere.2023.137937, **WOS:000926755300001**	8.8		

	2. Mohamed Ali, A.; Zahangir, M.A.; Mohamed Abdoul-Latif, F.; Jami, M.S.; Mohamed, J.; Ainane, T. Hydrolysis of Food Waste with Immobilized Biofilm as a Pretreatment Method for the Enhancement of Biogas Production. Sustainability 2023, vol. 15(4), art no. 3316. https://doi.org/10.3390/su15043316, **F.I.=3.9**, **WOS:000941537500001**	3.9		
	3. Mazzurco Miritana, V.; Gaetani, A.; Signorini, A.; Marone, A.; Massini, G. Bioaugmentation Strategies for Enhancing Methane Production from Shrimp Processing Waste through Anaerobic Digestion. Fermentation 2023, vol. 9(4), art no. 401. **F.I.=3.7,** https://doi.org/10.3390/fermentation9040401, **WOS:000979060200001**	3.7		
	4. Li O., Liang J., Chen Y., Tang S., Li Z. Exploration of Converting Food Waste into Value-Added Products via Insect Pretreatment-Assisted Hydrothermal Catalysis, ACS Omega, vol. 8(21), pp. 18760–18772, 2023, https://doi.org/10.1021/acsomega.3c00762, **F.I.=4.1, WOS:001011809400001**	4.1		
	5. Mainar-Toledo M.D., Palmero, M.G., Diaz-Ramirez, M., Mendioroz I., Zambrana-Vasquez, D. A Multi-Criteria Approach to Evaluate Sustainability: A Case Study of the Navarrese Wine Sector, ENERGIES, vol. 16(18), art. no. 6589, **F.I.=3.2**, 2023, DOI10.3390/en16186589, **WOS:001074178900001**	3.2		
	6. Hasaka, S.; Sakamoto, S.; Fujii, K. The Potential of Digested Sludge-Assimilating Microflora for Biogas Production from Food Processing Wastes. Microorganisms 2023, vol.11(9), art. no. 2321. https://doi.org/10.3390/microorganisms11092321, **F.I.=4.5, WOS:001077868700001**	4.5		
	7. Grillo, G.; Capaldi, G.; Radošević, K.; Jakopović, Ž.; Markov, K.; Brncic, M.; Gallina, L.; Calcio Gaudino, E.; Cravotto, G. Unlocking the Bioactive Potential of Pomegranate Peels: A Green Extraction Approach. Antioxidants 2023, vol. 12(10), art no. 1796. https://doi.org/10.3390/antiox12101796, **F.I.=7, WOS:001093806100001**	7		
	8. Julkipli, J., Babel, S., Bilyaminu, A.M. et al. Hydrogen and biodiesel production from food waste: a review. Environ Chem Lett (2023), vol. 22(2), pp. 585-607, https://doi.org/10.1007/s10311-023-01674-3, **F.I.=15.7, WOS:001127334900001**	15.7		
	9. Obidzinski S., Szyszlak-Barglowicz J., Zajac, G., Kowczyk-Sadowy, M., Krasowska, M., Sienkiewicz, A., Cwalina, P., Faszczewski, D., Wasilewski, J. The Effect of Bakery Waste Addition on Pine Sawdust Pelletization and Pellet Quality, ENERGIES, vol. 7(2), art no 523, 2024, DOI10.3390/en17020523, **F.I.=3.2, WOS:001148855700001**	3.2		
	10. Evtuguin, D., Aniceto J.P.S., Marques R., Portugal I., Silva C.M., Serafim L.S., Xavier A.M.R.B. Obtaining Value from Wine Wastes: Paving the Way for Sustainable Development, FERMENTATION-BASEL, vol. 10(1), art. No. 24, 2024, DOI10.3390/fermentation10010024, **F.I.=3.7, WOS:001149302800001**	3.7		
	11. Issahaku, M., Derkyi, N.S.A., Kemausuor, F. A systematic review of the design considerations for the operation and maintenance of small-scale biogas digesters, HELIYON, vol.10(1), art. No. e24019, 2024, DOI10.1016/j.heliyon.2024.e24019, **F.I.=4, WOS:001154569000001**	4		
	12. Tiong Y.W., Tian H., Sharma P., Yan M., Lam H.T., Zhang J., Tong Y.W., Real-world assessment of a decentralized food waste anaerobic digestion system: A test-bedding case study application, JOURNAL OF CLEANER PRODUCTION, vol. 437, art. no. 140752, DOI10.1016/j.jclepro.2024.140752, **F.I.=11.1, WOS:001171168300001**	11.1		
	13. Tsai WT; Tsai CH, New trends in food-derived waste valorization with relevance to Taiwan's sustainable development goals, TRENDS IN FOOD SCIENCE & TECHNOLOGY, Volume 147, 2024, DOI10.1016/j.tifs.2024.104424, **WOS:001224671000001, F.I. = 15.1**	15.1		
	14. Lukomska A.,Pulka J.,Bronski M., Dach J. Demand-Driven Biogas Plants in Poland - Potential and Growth Perspectives, JOURNAL OF ECOLOGICAL ENGINEERING, vol. 25(11), pp. 236-248, 2024, DOI10.12911/22998993/193262, ISSN 2299-8993, **WOS:001322628000005, F.I.=1.3**	1.3		
	15. Chellapandi P., Saranya S. Biogas starter from genome-scale data for methanogenic bioprocessing of protein waste, SYSTEMS MICROBIOLOGY AND BIOMANUFACTURING, vol. 4(2), pp. 542-563, 2024, DOI10.1007/s43393-023-00191-2, ISSN 2662-7655, eISSN 2662-7663, **WOS:001205782800007, F.I = 3.46**	3.46		
	16. Michailidou I, Grigoriadou I, Sfetsas T, Vlachokostas C, Arsenos G, Lymperopoulos A. Enhancing Biogas Production: An Assessment of Pasteurization Effects on Poultry, Swine, Bovine Manure and Food Waste Substrates. Sustainability. 2024; 16(16):7130. https://doi.org/10.3390/su16167130, eISSN 2071-1050, **WOS:001304761800001, F.I.=3.3**	3.3		
	17.Tryhuba I, Tryhuba A, Hutsol T, Szufa S, Głowacki S, Andrushkiv O, Padyuka R, Faichuk O, Slavina N. European Green Deal: Substantiation of the Rational Configuration of the Bioenergy Production System from Organic Waste. Energies. 2024; 17(17):4513. https://doi.org/10.3390/en17174513,eISSN 1996-1073, **WOS:001311129800001, F.I.=3**	3		
	18. Jovine Kamuhabwa Emmanuel, Maroa Julias Juma, Stephano Hanolo Mlozi, Biogas generation from food waste through anaerobic digestion technology with emphasis on enhancing circular economy in Sub-Saharan Africa – A review, Energy Reports, vol. 12, 2024, pp 3207-3217, ISSN 2352-4847, https://doi.org/10.1016/j.egyr.2024.09.008, ISSN 2352-4847, **WOS:001315367800001, F.I.=4.7**	4.7		
	19. Danciu C-A, Croitoru A, Antonie I, Tulbure A, Popescu A, Stanciu C, Sava C, Stanciu M. Tackling Food Waste: An Exploratory Case Study on Consumer Behavior in Romania. Foods. 2024; 13(20):3313. https://doi.org/10.3390/foods13203313, **WOS:001341605800001, F.I.=4.7**	4.7		
	20.Tomczak W, Daniluk M, Kujawska A. Food Waste as Feedstock for Anaerobic Mono-Digestion Process. Applied Sciences. 2024; 14(22):10593. https://doi.org/10.3390/app142210593, **WOS:001366946400001, F.I.=2.5**	2.5		
	21. Llanos-Lizcano R, Senila L, Modoi OC. Evaluation of Biochemical Methane Potential and Kinetics of Organic Waste Streams for Enhanced Biogas Production. Agronomy. 2024; 14(11):2546. https://doi.org/10.3390/agronomy14112546,eISSN 2073-4395, **WOS:001367292200001** , **F.I.=3.3**	3.3		
	22.Soja, J.; Oniszczuk, T.; Vaskina, I.; Combrzyński, M.; Wójtowicz, A. Integration of Plant Pomace into Extruded Products: Analysis of Process Conditions, Post-Production Waste Properties and Biogas Potential. Energies 2024, 17(24), 6476. https://doi.org/10.3390/en17246476, eISSN 1996-1073, **WOS:001387151600001, F.I.=3**	3		
	23. Corigliano, O; Morrone, P ; Algieri, A, Navigating the Challenges of Sustainability in the Food Processing Chain: Insights into Energy Interventions to Reduce Footprint, ENERGIES, Vol. 18, Issue 2, 2025, DOI10.3390/en18020296, **WOS:001405345400001, F.I. = 3**	3		
	24. Rolewicz-Kalinska, A; Lelicinska-Serafin, K; Manczarski, P, Selection Path for Energy-Efficient Food Waste Management in Urban Areas: Scenario Analysis and Insights from Poland, ENERGIES, Vol. 18, Issue 2, 2025, DOI10.3390/en18020385, **WOS:001405349900001, F.I. = 3**	3		
	25. Zhao, CX; Mo, JF; Qin, Y; Gong, YB; Zhan, OR; Song, B; Wu, WX, Semi-thermophilic anaerobic digestion (41-49°C): A review of its potential for enhanced methane production and system stability, RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol. 215, 2025, DOI10.1016/j.rser.2025.115630, **WOS:001453580000001, F.I. = 16.3**	16.3		
	26. Alalawy, AI; Sakran, M; Zidan, NS; Alzuaibr, FM; Abdelaziz, MA, Efficient biogas production from food waste utilizing Ag@ZnONPs catalyst and inoculum immobilization within anaerobic digestion reactors, ARABIAN JOURNAL OF CHEMISTRY, Vol. 18, Issue 4, 2025, DOI10.25259/AJC_125_2025, **WOS:001505363500006, F.I. = 5.3**	5.3		
	27. Cai, ZC; Liu, Y; Shen, Y; Skitmore, M; Yu, SW, Addressing community oppositions in biowaste incineration infrastructure: Key factors and strategic solutions for a sustainable circular bioeconomy, SOCIO-ECONOMIC PLANNING SCIENCES, Vol .99, 2025, DOI10.1016/j.seps.2025.102215, **WOS:001470240900001, F.I. = 6.2**	6.2		
	28. Dhiman, S; Kumar, A; Sharma, K; Dhewa, T, Microbial Bioprocessing of Food and Agro-Industrial Residues for a Sustainable Circular Economy, INDIAN JOURNAL OF MICROBIOLOGY, DOI10.1007/s12088-025-01464-1, **WOS:001469010300001, F.I. = 2.1**	2.1		
	29. Meena, PK; Shelare, S; Kumar, S; Kumar, D; Patane, PM; Wagle, CS; Awale, SD, Techno-economic analysis and sustainable advancements in food waste conversion to biogas and hydrogen fuel, ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol. 44, 2025, DOI10.1002/ep.14606, **WOS:001474914100001, F.I. = 2.1**	2.1		
	30.Julkipli, J; Babel, S, Optimizing dilute sulfuric acid thermohydrolysis of dried food waste using the desirability function to produce a fermentation-friendly hydrolysate for biohydrogen production, BIOMASS & BIOENERGY, Vol. 199, 2025, DOI10.1016/j.biombioe.2025.107922, **WOS:001488751900001, F.I. = 5.8**	5.8		
	31. Badsha, MM; Maheer, U; Omar, FM; Ramli, A; Balakrishnan, V; Hamed, Y; Arafath, MA; Hossain, MS, Sustainable approaches on innovative utilization of household food waste as a renewable biomass for bioenergy production: Potential, challenges and social-environmental impacts, BIOMASS & BIOENERGY, vol. 200, DOI10.1016/j.biombioe.2025.107995, **WOS:001498569000002, F.I. = 5.8**	5.8		
	32. Adnane, I; Taoumi, H; Lahrech, K; Fertahi, SED; Ghodbane, M, From waste to resource: biogas and digestate valorization strategies for sustainable energy and agriculture, BIOMASS & BIOENERGY, vol.200, DOI10.1016/j.biombioe.2025.108006, **WOS:001499881300003, F.I. = 5.8**	5.8		
	33. Kassaye, G; Gabbiye, N; Getahun, E; Akizuki, SI; Bantie, Z; Bhatia, P; Fujiwara, M; Addisu, S; Sato, S, Enhancing biogas production from water hyacinth juice through biochar addition in an upflow anaerobic sludge blanket reactor, JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, 2025, DOI10.1002/jctb.70039, **WOS:001548129600001, F.I. = 2.4**	2.4		
	34. Mgeni, ST; Emmanuel, JK ; Mtashobya, LA, Potential Contributions of Pineapple Waste to Nutrition, Medicine, Bioenergy Sources, and Environmental Conservation: A Review, NATURAL PRODUCT COMMUNICATIONS, 2025, Volume 20, Issue 6, DOI10.1177/1934578X251348402, **WOS:001501091200001, F.I. = 1.4**	1.4		
49	Paun I., Covaliu C.I., Pirvu F., **Paraschiv G.**, Nita-Lazar M., Benzalkonium bromide cationic surfactant removal from wastewater using magnetite nanomaterial, Revista de Chimie, Volume 71, Issue 4, 1 April 2020, Pages 289-296, ISSN: 00347752, DOI: 10.37358/RC.20.4.8067	2		
	1.Bitay, E.; Csavdari, A. Some Unmodified Household Adsorbents for the Adsorption of Benzalkonium Chloride—A Kinetic and Thermodynamic Case Study for Commercially Available Paper. Toxics 2023, 11, 950, **F.I.=4.6.** https://doi.org/10.3390/toxics11120950, **WOS:001131154000001**	4.6		
	2.Karthik V; Dharshini GD; Kumar PS; Kiruthika S; Rangasamy G; Periyasamy S; Rathi BS, Ferrite-Supported Nanocomposite Polymers for Emerging Organic and Inorganic Pollutants Removal from Wastewater: A Review, INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, Volume 62, Issue35, Page 13711-13733, 2024, DOI10.1021/acs.iecr.3c01701, **WOS:001063446400001, F.I. = 3.8**	3.8		
50	Constantin G.A., Voicu Gh., Ştefan E.M., **Paraschiv G.**, Research of the grist dimensional characteristics of the second-matter grinding in an industrial wheat mill, INMATEH - Agricultural Engineering, Vol. 39, Nr. 1, pp. 71-78, 2013, ISSN 2068-4215.	1		

	1. Pruteanu M.A., Ungureanu N., Vladut V.N., Matache M.G., Nitu M. Contributions to the Optimization of the Medicinal Plant Sorting Process into Size Classes, AGRICULTURE-BASEL, vol.13(3), art. no. 645, 2023, **F.I.=3.6**, DOI10.3390/agriculture13030645, **WOS:000956984100001**	3.6		
51	Vasile, E., Covaliu, C.-I., Stoian, O., **Paraschiv, G.**, Matei, E., Catrina, G.-A., Ciric, A., Manganese ions removal from industrial wastewater, REVISTA DE CHIMIE Volume: 71 Issue: 7 Pages: 391-396 Published: 2020	1		
	1. Zhou, Y.; He, Y.; Wang, R.; Mao, Y.; Bai, J.; Dou, Y. Modification of Multiwalled Carbon Nanotubes and Their Mechanism of Demanganization. Molecules 2023, 28(4,) 1870. https://doi.org/10.3390/molecules28041870, **F.I.=4.6, WOS:000940993500001**	4.6		
52	Vladutoiu L., Vladut V., Voiculescu I., Matache M., Radu O., Biris S., Voicea I., **Paraschiv G.**, Atanasov At., Usenko M., Increasing agricultural machinery active parts durability by hardening, Proceedings of the 43rd Symposium „Actual Tasks on Agricultural Engineering", Opatija, Croatia, 24 - 27 February 2015, p. 153 - 164, ISSN 1848-4425; (Thomson Reuters: Conference Proceedings Citation Index and ISTP, CAB International - Agricultural Engineering Abstracts) http://atae.agr.hr.	2		
	1. Gulyarenko A., Bembenek M. The Method of Calculating Ploughshares Durability in Agricultural Machines Verified on Plasma-Hardened Parts. AGRICULTURE-BASEL, vol. 12 (6), 2022, Article Number: 841, DOI10.3390/agriculture12060841, **F.I.=3.6, WOS:000816634100001**	3.408		
	2. Garleanu D., Garleanu G. Effect of Chemical Composition on Hard Deposits Properties in the Case of Weld Refurbishment of Heavy Crushing Hammers. REVISTA DE CHIMIE, vol. 70(2), 2019, pp. 417-424, **F.I = 1.755, WOS:000461982200012.**	1.755		
53	Vlăduț N.V., Biriș S.Șt., **Paraschiv G.**, Ungureanu N., Bungescu S.T., Voicea I., Cujbescu D., Găgeanu I., Laza E., Popa L.D., Matei Gh., Lateș D., Atanasov At., Considerations regarding the effects of shocks and vibrations on operators of self-propelled agricultural equipment, INMATEH – Agricultural Engineering, vol. 71 (3) / 2023, pp. 843-856; ISSN 2068-4215, DOI: https://doi.org/10.35633/inmateh-71-74, **WOS:001165595900002, F.I. = 0.6**, CITAT IN:	2		
	1. Zhao, ZH; Jin, CQ ; Zhang, GY; Ni, YL; Qian, ZJ, ANALYSIS OF VIBRATION CHARACTERISTICS AND STRUCTURAL OPTIMIZATION OF THE CHASSIS FRAME OF CRAWLER-TYPE COMBINE HARVESTER, INMATEH-AGRICULTURAL ENGINEERING, 2025, Vol. 75, Issue 1, Pag.167-177, DOI10.35633/inmateh-75-14, **WOS:001485401300010**, F.I. = 0.6	0.6		
	2. Wang, J; Li, LJ; Shi, WL ; Ding, YQ, STUDY ON THE OPERATING EFFECT OF STRAW CRUSHING AND SPREADING DEVICES ON SINGLE AXIAL FLOW HARVESTERS, INMATEH-AGRICULTURAL ENGINEERING, 2025, Volume 75, Issue 1, Pag. 480-489, DOI10.35633/inmateh-75-41, **WOS:001485401300034,** F.I. = 0.6	0.6		
54	Moiceanu G., Dinca M.N., Chițoiu M., Paraschiv G., Cristea O., Romanian biomass pellet market - techno - economic analysis, INMATEH – Agricultural Engineering, vol. 71 (3) / 2023, pp. 882-890; DOI: https://doi.org/10.35633/inmateh-71-77, **WOS:001165595900001 F.I. = 0.6**, CITAT IN:	1		
	1. Birgen, C; Matei, M; Sannan, S ; Stamule, T, The potential for sustainable biomass in the Romanian energy sector. Value chain analysis for potential black pellets investments, MANAGEMENT & MARKETING, 2024, Volume 19, Issue4, Pag.601-617, DOI10.2478/mmcks-2024-0027, **WOS:001394314200005, F.I. = 1.9**	1.9		
55	Constantin, G.A.; Munteanu, M.G.; Voicu, G.; Paraschiv, G.; Ștefan, E.M. An Analysis of Air Flow in the Baking Chamber of a Tunnel-Type Electric Oven. Computation, 2023, 11(12), 236; https://doi.org/10.3390/computation11120236, **WOS:001130775800001, F.I. = 1.9** CITAT IN:	1		
	1.Tarapata, J; Szymanska, E; van der Meulen, L; Miltenburg, J; Huppertz, T, Moisture Loss from Cheese During Baking: Influence of Cheese Type, Cheese Mass, and Temperature, FOODS, 2025, Volume 14, Issue 2, nr. 165, DOI10.3390/foods14020165, **WOS:001405812800001,** F.I. =4.7	4.7		
56	Ercan, U; Sonmez, I; Kabas, A; Kabas, O; Zyambo, BC; Gölükcü, M; **Paraschiv, G**, Quantitative Assessment of Brix in Grafted Melon Cultivars: A Machine Learning and Regression-Based Approach, FOODS, 2024, Volume13, Issue 23, nr. 3858, DOI10.3390/foods13233858, WOS:001377627600001, F.I. = 4.7, CITAT IN	1		
	1.Ermis, S; Ercan, U; Kabas, A; Kabas, O; Moiceanu, G, Machine Learning-Based Morphological Classification and Diversity Analysis of Ornamental Pumpkin Seeds, 2025, FOODS, Vol. 14, Issue 9, nr. 1498, DOI10.3390/foods14091498, **WOS:001486129800001, F.I. = 4.7**	4.7		
57	Oprea F., Onofrei M., **Paraschiv G.,** Cojocariu L., Do Local Budgets Influence Regional Development? Empirical evidence from Romania, LEX LOCALIS-JOURNAL OF LOCAL SELF-GOVERNMENT, vol. 20(1), pp. 77-99, 2022, F.I.= 0.66, DOI10.4335/20.1.77-99(2022). WOS:000768786200004, F.I = 0.4 CITAT IN:	4		
	1. Khudolei, V; Karpenko, O ; Tarnovska, I; Biriukov, I; Smyrnov, I , The role of budgets in strengthening the financial base of local self-governments, CUESTIONES POLITICAS,Vol.40, Issue 75, Pag. 164-179,2022 DOI10.46398/cuestpol.4075.11, **WOS:000905421200012**, F.I. = 0.7	0.7		
	2. Istrate, M; Muntele, I, Sustainability of Local Public Finances from the Perspective of Territorial Disparities in the Rural Areas of Romania, LAND, Vol.13, Issue 11, 2024, DOI10.3390/land13111773, **WOS:001365592600001, F.I. = 3.2**	3.2		
	3. Becica, J; Vavrek, R, Papcunová, V; Konecny, M, COVID-19 AS A FACTOR INFLUENCING MUNICIPAL BUDGETS: A CASE STUDY OF CZECH CONDITIONS, ENTREPRENEURSHIP AND SUSTAINABILITY ISSUES, Vol.12, Issue 2 , Pag. 348-363, 2024, DOI10.9770/m28499339775, **WOS:001414735600021, F.I. = 1.3**	1.3		
58	Rusanescu, CO; Rusanescu, M; Jinescu, C; **Paraschiv, G**, Influence of Thermal Comfort on Health, REVISTA DE CHIMIE, Vol. 70, Issue 4, Pag.1187-1191, 2019, WOS:000469387200016, F.I = 1.755 CITAT IN:	3		
	1.Strelets, K; Zaborova, D; Serbin, I; Petrochenko, M; Zavodnova, E, Analysis of Microclimatic Comfort Conditions in University Classrooms, SUSTAINABILITY, Vol. 16, Issue 8, 2024, DOI10.3390/su16083388, **WOS:001210885300001, F.I. = 3.3**	3.3		
	2.Monforte, P ; Ragusa, MA, Evaluation of Bioclimatic Discomfort Trend in a Central Area of the Mediterranean Sea, CLIMATE, Vol.10, Issue 10, 2022, DOI10.3390/cli10100146, **WOS:000872324200001, F.I. = 3.2**	3.2		
59	Manea D., Voicu Gh., Farcas N., **Paraschiv G**., Marin E., Ecological technology with low inputs for regenerate the degraded grasslands, Romanian Biotechnological Letters, Vol. 21 (1), pp. 12274-12280, 2017, ISSN: 1224-5984, WOS:000395934100015, I.F. = 0.321, CITAT IN:	2		
	1. Mocanu, V ; Ene, TA; Marin, E; Gheorghita, NE, MECHANIZATION OF GRASSLAND FARMING BY TECHNOLOGICAL VARIANTS WITH MINIMAL INPUTS. A REVIEW, INMATEH-AGRICULTURAL ENGINEERING, Vol. 74, Issue 3, Pag. 954-970, 2025, DOI10.35633/inmateh-74-84, **WOS:001406477000006**, F.I. = 0.7	0.7		
	2.Hu, XN; Si, MZ; Luo, H; Guo, MC; Wang, JJ, The Method and Model of Ecological Technology Evaluation, SUSTAINABILITY, Vol.11, Issue 3, 2019, DOI10.3390/su1103088, **WOS:000458929500331**, F.I. = 3.3	3.3		
60	Visan, A; Ciurcan, I; **Paraschiv, G**; Biris, SS; Pirvu, F; Covaliu-Mierla, CI, APPLICATION OF TIO2 FOR THE REMOVAL OF BENZYL DIMETHYL DODECYL AMMONIUM CHLORIDE (DDBAC) FROM WASTEWATER, REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS, 2024, Vol. 54, Issue 2, Pag. 113-117, WOS:001424434700004, F.I. = 0.4 Citat in:	1		
	1.Kristanti, RA; Hadibarata, T; Niculescu, AG; Mihaiescu, DE; Grumezescu, AM, Nanomaterials for Persistent Organic Pollutants Decontamination in Water: Mechanisms, Challenges, and Future Perspectives, NANOMATERIALS, 2025, Volume 15, Issue 14, DOI10.3390/nano15141133, **WOS:001535585800001**, **F.I. = 4.3**	4.3		
61	Cujbescu D., Nenciu F., Persu C., Găgeanu I., Gabriel G., Vlăduț N.V., Matache M., Voicea I., Pruteanu A., Bularda M., **Paraschiv G**., Boruz S.P. Evaluation of an Optical Sorter Effectiveness in Separating Maize Seeds Intended for Sowing, APPLIED SCIENCES-BASEL, vol. 13(5), art. no. 8892, 2023, F.I.2023=2.5, DOI10.3390/app13158892, WOS:001046157900001, Citat In	1		
	1.Hardwick, J; Morgan, Z; Hirayama, R, Acoustophoretic system for seed separation on conveyor belts, NATURE COMMUNICATIONS, 2025, Volume 16 Issue 1, DOI10.1038/s41467-025-62006-3, **WOS:001539664000027**, F.I. = 15.7	15.7		
	Total A3.3.	**3319.067**	**Obligatoriu**	**25**