Model F17 – Memoriul științific al studentului doctorand

MEMORIU ȘTIINȚIFIC
Drd. Ing. *Timiș Andrei-Lucian*

Studii de doctorat
Perioada: 2021-2026
Conducător științific: Prof.dr.ing. Pencea Ion
Domeniu: Ingineria Materialelor
Titlul tezei de doctorat: ***Contribuții privind Valorificarea Superioară a unor Resurse Secundare Siderurgice în Contextul Paradigmei Materiilor Prime Critice***

Activitate științifică

A. Lista de lucrări științifice (articole în reviste sau volume)

1. **Timiș, A.-L**.; Pencea, I.; Karas, Z.; Gründken, P.; Priceputu, A.; Ungureanu, C.; Niculescu, F.; Turcu, R.-N.; Iacob, G.; Marcu, D.-F. The New Paradigm Caused by Regulation (EU) 2024/1252 on the Upcycling of Landfilled Ferrous Slags—Case Study: Iron and Steel Slag Dumps in Romania. Minerals 2025, 15, 260. https://doi.org/10.3390/min15030260 I.F. 2.2, **WOS**:001452842000001, Q2
2. **Timiș, A.-L**.; Pencea, I.; Priceputu, A.; Ungureanu, C.; Karas, Z.; Niculescu, F.; Turcu, R.-N.; Iacob, G.; Marcu, D.F.; Macovei, A.C. A New Conservative Approach for Statistical Data Analysis in Surveying for Trace Elements in Solid Waste Ponds. Appl. Sci. 2025, 15, 4246. https://doi.org/10.3390/app15084246 , IF. 2.5, **WOS**:001474659600001, Q2
3. **Timiș A.L.,** Pencea I., Karas Z., Niculescu F., A Comprehensive Derivation of the Expectance and its Variance in Sampling without Replacement from a Particulate Lot having a Numerical Attribute, 2024, COJ Technical & Scientific Research, v.5, issue 1, Crimson Publisher, COJTS.MS.ID.000604. 5(1).2024 , I.F 1.72.
4. **Timiș**, **A.L.,** Pencea, I., Karas, Z., Priceputu, A., Ungureanu, C., Niculescu, F., Turcu, R.-N., Marcu, D-M., Ciucă, S., Iacob, G., Research concerning the upcycling of aircooled blast furnace slag from old Călan dump as admixture in clinker precursor, 2024, UPB Sci. Bull. Ser. B, v.86, pp.231-244, I.F. 0,3, **WOS**:001380943500017, Q4
5. **Timiș**, **A.L.,** Pencea, I., Karas, Z., Turcu, R.N., Niculescu, F., Sztacho, P., Ghiţă, M., Macovei, A.C., DESTRO approach for upcycling the air-cooled blast furnace slag old dumps. Case Study Călan, U.P.B. Sci. Bull., Series B, 2024, Vol. **86**, Iss. 2, pp. 201-213, I.F. 0.3, **WOS**:001247485400016, Q4
6. Pencea, I., Turcu, R.-N., Priceputu , A., Popescu-Argeș, A.-C., Ungureanu, C., Matei, E., **Timiș** , **A.L.,** Liviu Nedelcu Mircea Ionuț, Petrescu, Florentina Niculescu, An improved balanced replicated sampling design for preliminary screening of the tailings ponds aiming at zero-waste valorization. A Romanian case study, Journal of Environmental Management ,331 (2023) 117260, I.F. I.F. 8.6, Q1, **WOS**:000964753800001
7. Popescu-Argeș, A.C., Turcu, R.N., Ungureanu, C., Priceputu, A., Pencea, I., Niculescu, F., **Timiș, A.-L.,** Validation of the LOI results obtained on particulate waste through marginal recovery and XRFS methods, U.P.B. Sci. Bull., Series B, Vol. **83**, Iss. 4, 2021, pp. 287-293, I.F. 0,3, **WOS**:000731356100024

B. Participări la conferințe/workshop-uri

I. 9th International Conference on Materials Science and Technologies – ROMat 2022, Bucharest, Romania, November 24-25, 2022, www.sim.pub.ro , **cu 3 lucrari**:

I,1. **Timiș**, **A.L.,** Pencea, I., Karas, Z., Sztacho, P., Turcu, R.N., Ungureanu, C., Timiș, N., An Improved Integrated Solution For Steel Slag Recycling In The Frame Of The Zero-Waste Approach, 9th International

I.2. Pencea, I., Turcu, R.N., Radu, M., Boajă, I., Dincă, G., Szabo, R., Niculescu, F. **Timiș**, **A.L.,** Macovei, A. C., Miu, F.G., Tiță, C. Mineralogical characterization of a Romanian abandoned tailings yard aiming recovery of the positive metals and critical raw materials and site rehabilitation through a zero-waste approach,

I.3. A. Priceputu, C. Ungureanu. I. Pencea, R.N. Turcu**, A.L. Timiș,** Sampling and comprehensive characterization of a IOT pond for useful minerals and CRMs

Student-doctorand

Andrei-Lucian Timiș