Domeniul Fundamental: STIINTE INGINERESTI
Domeniul de Studii Universitare: INGINERIA SISTEMELOR
Comisia CNATDCU [nr/denumire]: 15. CALCULATOARE, TEHNOLOGIA INFORMATIEI SI INGINERIA SISTEMELOR

UNIVERSITATEA POLITEHNICA BUCURESTI

FISA DE EVALUARE A ACTIVITATII
Conditii CNATDCU pentru gradul de Abilitare

Tache Irina Andra
FACULTATEA Automatică și Calculatoare UNIVERSITATEA Națională de Știință și Tehnologie POLITEHNICA București

Punctaje conditii minimale (A)			
Nr.	Domeniul de activitate	Minim prevazut	Realizat
A1	Activitatea didactica / profesionala (A1)	100,00	122,50
A2	Activitatea de cercetare (A2)	600,00	621,10
A3	Recunoasterea impactului activitatii (A3)	150,00	230,70
	TOTAL (A)	850,00	974,30

Punctaje conditii minimale obligatorii pe subcategorii			
Nr.	Domeniul de activitate	Minim prevazut	Realizat
A1.1.1-A1.1.2	Carti de specialitate	1	1
A2.1	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	15	26
	din care minimum in reviste cotate ISI Q1 sau Q2	3	6
A2.4.1	Granturi / proiecte castigate prin competitie (Director / responsabil partener)	2	3
A3.1.1	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI (WOS)	25	39
	Factor de impact cumulat pentru publicatii	10	35,86

STRUCTURA ACTIVITATII CANDIDATULUI

A1	Activitatea didactica si pedagogica (A1)		122,50
A1.1.1	Carti de autor sau capitole de specialitate la edituri cu ISBN (internationale) [50/nr de autori/ 4 daca cartea se regaseste in cel putin 50 de biblioteci din strainatate conform catalogului WorldCat] Punctajul pentru capitol de carte se puncteaza cu 1/4 din categoria respectiva		Link
1	Tache I.A., Medical Imagistics of the Vascular Diseases, Horizons in World Cardiovascular Research, Volume 20, Nova Medicine and Health, August 2020, ISBN: 978-1-53618-310-8, 16 p.	12,5	https://novapublishers.com/shop/horizons-in-world-cardiovascular-research-volume-20/
2	Tache I.A., Three Dimensional Reconstruction and Hemodynamic Information Extraction from Monoplane Angiography, Patient-specific Hemodynamic Computations: Application to Personalized Diagnosis of Cardiovascular Pathologies, 2017, pp. 153-175, Springer International Publishing, Print ISBN 978-3-319-56852-2, Online ISBN 978-3-319-56853-9, DOI 10.1007/978-3-319-56853-9_6, 153–175 pp	12,5	https://link.springer.com/chapter/10.1007/978-3-319-56853-9_6
3	Tache I.A., Classification of pixels in the cerebral angiograms, Advances in Medicine and Biology, Volume 86, January 01, 2015, pp. 105-122, Nova Science Publishers, Inc., Online ISBN: 978-163463007-2;978-163482066-3, 105 - 122 pp.	12,5	http://www.scopus.com/inward/record.url?eid=2-s2.0-84957359680&partnerID=MN8TOARS
4	Tache, I. A. Oteanu, S. C. (2026). 3D Reconstruction of Cardiovascular Anatomy for Investigating the Etiology of Congenital Heart Disease. In R. Raghavan (Ed.), The Multifactorial Etiology of Congenital Heart Disease: Insights from Teratology, Genetics, and Exposomics, IGI Global Scientific Publishing, pp. 339-374, ISBN: 9798337337357, EISBN13: 9798337337371, https://doi.org/10.4018/979-8-3373-3735-7.ch011	6,25	https://www.igi-global.com/gateway/chapter/full-text-html/393917
5	Tache, I.A., Popescu, D. (2024). Medical Decision Support System for Lung Damage Classification. In: Belas, V.E., Dzemyda, G., Belciug, S., Kacprzyk, J. (eds) Decision Making and Decision Support in the Information Era. Studies in Systems, Decision and Control, vol 534. Springer, Cham., Print ISSN 2198-4182 pp 119-130	6,25	https://link.springer.com/chapter/10.1007/978-3-031-62158-1_8
6	Tudoran, C., Dumache, R., Erdoes, G., Voitã-Mekeres, F., Tache, I. A., (2025). Insights in thrombosis and haemostasis: from a biological, clinical and genetic perspective. Lausanne: Frontiers Media SA. doi: 10.3389/978-2-8325-6631-2, 124 p. WOS:001533266100001	10	https://www.frontiersin.org/research-topics/59168/insights-in-thrombosis-and-haemostasis-from-a-biological-clinical-and-genetic-perspective/magazine
7	Tache I.A., Muntean S., Chapter 16 Effectiveness evaluation of relaxation techniques for anxious students through heart rate monitoring, Promoting Mindfulness, Flourishing, and Wellness in Higher Education Through the Arts, pp. 429-462, IGI Global Scientific Publishing, 2026, DOI: 10.4018/979-8-3373-3677-4, ISBN13: 9798337336774, EISBN13: 9798337336798	6,25	https://www.igi-global.com/gateway/chapter/401599
8	Tache, I.A., Mihăescu, A.G. (2026). Explainable Machine Learning Approaches for Cardiovascular Disease Detection: A Comparative Study on the UCI Heart Disease Dataset. In: Khalifa, N.E.M., Taha, M.H.N. (eds) Next-Gen Healthcare. Springer, Cham. pp 121–148 Print ISBN 978-3-032-07266-5, Online ISBN 978-3-032-07267-2, https://doi.org/10.1007/978-3-032-07267-2_5	6,25	https://link.springer.com/chapter/10.1007/978-3-032-07267-2_5
	Total (A1.1.1)	72,50	