

Fișă de verificare a îndeplinirii standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior

Comisia: COMISIA INGINERIE INDUSTRIALĂ ȘI MANAGEMENT

Ultima promovare a avut loc în 2019.

Nr. Crt.	Domeniul activitatilor	Tipul activităților	Categorii și restricții	Subcategorii	Indicatori unitari	Puncte
1.	A1 Activitatea didactică și profesională	1.1. Cărți și capitole în cărți de specialitate	1.1.1. Cărți / capitole ca autor Conferențiar minimum 1 de prim autor	1.1.1.1. Internaționale	Nr. pagini/(5*nr. autori)	0
				Petre, I.M., <i>Lower limb rehabilitation equipment. Theoretical background and experimental studies</i> , Lambert Academic Publishing, ISBN 978-620-6-14192-1, 2023 dovada	274	54.8
				1.1.1.2. Naționale (Ed. Recunoscute CNCSIS)	Nr. pagini/(10*nr. autori);	0
				Petre, I.M., <i>Ergonomie</i> , ISBN 978-973-131-459-4, Ed. Lux Libris, 2021 dovada	147	14.7
			1.2.1. Suporturi de curs/îndrumare		Punctaj: nr. pagini/(20*nr. autori)	0

		1.2. Alte materiale didactice – inclusiv în format electronic	Conferențiar: minimum 2, din care 1 prim autor	PETRE Ioana Mădălina, <i>Managementul resurselor umane. Aplicații</i> , Editura LuxLibris, ISBN 978-973-131-414-3, 2018 dovada	120	6
				PETRE Ioana Mădălina, <i>Previziuni economice</i> , Ed. Universității Transilvania din Brașov, ISBN 978-606-19-1595-8, 2023 dovada	169	8.45
		1.3. Coordonare de programe de studii, organizare și coordonare programe de formare continua și proiecte educaționale	Director/ Responsabil/ Președinte		Punctaj: 15	0
		1.4. Dezvoltare de noi discipline	Titular		Punctaj: 10	0
				Managementul dezvoltării durabile dovada		10
		1.5. Proiecte educaționale (ERASMUS, Leonardo etc.)	Director/ Responsabil		Punctaj: 10 * (ani desfășurare)	0
TOTAL A₁						93.95
2.	A ₂ Activitatea de cercetare	2.1. Articole indexate în reviste ISI Thomson Reuters și în Volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baza de date	Reviste ISI		(30 + 10 * fact. impact)/ (nr.de autori)	
			1. Găvruş, C., Petre, I., Parv, L., Industry 4.0 - Premise for Sustainability. Implementation Degree in Manufacturing Companies from Romania, Sustainability 2024, EISSN 2071-1050, 16(2), 807. (SRI 0.8) https://www.mdpi.com/2071-1050/16/2/807			12.95

		<p>*de la ultima promovare Minimum 5 articole, din care minimum 1 în reviste, minimum 2 ca autor principal pentru Conf.</p>	<p>2. Stanciu, E.M., Pascu, A., Croitoru, C., Roată, I.C., Cristea, D., Tiorean, M.H., Hulka, I., Petre, I.M., Mirza Rosca, J.C., Functional Surfaces via Laser Processing in Nickel Acetate Solution, Materials 2023, 16 (8), 3087(SRI 1.659) https://www.mdpi.com/1996-1944/16/8/3087</p> <p>3. Iagăru, P., Boșcoianu, M., Cioca, I.L., Petre, I.M., Pop, S., Sârbu, F.A., Iagăru, R., Critical Analysis of mini unmanned aerial vehicles (UAV) development capabilities and perspectives of effective integration in horticultural agroecosystems in Romania, Scientifica Papers Series Management, Economic Engineering in Agriculture and Rural Development 2023, 23(1), 293-302, ISSN 2284-7995, EISSN 2285-3952. https://managementjournal.usamv.ro/pdf/vol.23_1/Art33.pdf</p> <p>4. Petre, I.M.; Boscoianu, M.; Oancea, B.; Chicomban, M.; Turcu, I.; Simion, G. Analysis of the Physiognomy of Unique Sets in the Maximum Number of Repetitions Strategy—The Case of One-Arm Scott Machine Seated Bicep Curls. Appl. Sci. 2022, 12, 8308. EISSN 2076-3417 https://doi.org/10.3390/app12168308 https://www.mdpi.com/2076-3417/12/16/8308</p> <p>5. Petre, I.M. Studies regarding the Use of Pneumatic Muscles in Precise Positioning Systems. Appl. Sci. 2021, 11, 9855. EISSN 2076-3417 https://doi.org/10.3390/app11219855 https://www.mdpi.com/2076-3417/11/21/9855</p> <p>6. Roata, I.C., Croitoru, C., Pascu, A., Stanciu, E.M., Hulka, I., Petre, I., Gabor, C., Patroi, D., Sbarcea, B.G., Surface engineering of Ni-Al coatings through concentrated solar heat treatment, Applied Surface Science 2020, 506, 144185 DOI: 10.1016/j.apsusc.2019.144185 https://www.sciencedirect.com/science/article/pii/S0169433219330016?via%3Dihub</p>	<p>4.33</p> <p>6.29</p> <p>9.73</p> <p>56.70</p> <p>13.11</p>
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			7. Petre, I.M., Nobari, H., Boscoianu, M., Pelin, B., Ionescu, A., Prieto Gonzalez, P., Oliveira, R., Oancea, B. Differences in knee flexor and extensor force and kinematic variables in rural versus urban area female students in Romania, Front. Physiol. 2024 https://doi.org/10.3389/fphys.2024.1152119	5.10
				108.21
			15/nr. de autori	
	2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale *de la ultima promovare minimum 5 pentru conferențiar		1. Petre, I., Pop, S., Boscoianu, M., Engineering and Management of the Precision Treatments Spraying System Implementation on Horticultural Crops, RECENT Journal 2023, 71, 249-255. ISSN 1582-0246 https://www.recentonline.ro/2023/071/PetreIM-R71.pdf	5
			2. Petre I.M., Găvrus, C., Influence of the cutting force upon machining process efficiency, Materials Today: Proceedings, 2022, ISSN 2214-7853 10.1088/1757-899X/1009/1/012047 https://doi.org/10.1016/j.matpr.2022.10.063	7.5
			3. Petre, I., Boscoianu, M., Pop, S., Iagăru, P., Sârbu, F.A., Iagăru, R., An Analysis of the Possibilities to Develop and Implement a Modular and Scalable System Based on Mini-Aerial Robots for Precision Agriculture, RECENT Journal 2022, 68, 100-106. ISSN 1582-0246 https://www.recentonline.ro/2022/068/Petre-R68.pdf	2.5
			4. Petre, I., Roata, I.C., A Study on the Influence of the Pressure upon the Pneumatic Muscle Forces, RECENT Journal 2022, 66, 37-44. ISSN 1582-0246 https://www.recentonline.ro/2022/066/Petre-R66.pdf	7.5
			5. Petre, I., An approach regarding some performances of a FESTO pneumatic muscle actuator, IOP Conference Series: Materials Science and Engineering, 2021, 1009 (1), IOP Publishing, pp. 012047 https://iopscience.iop.org/article/10.1088/1757-899X/1009/1/012047	15

			6. Petre, I.M., Găvruş, C., Experimental research regarding the influence of cutting parameters on cutting force in turning operation, Annals of the Faculty of Engineering Hunedoara, International Journal of Engineering, Tome XIX, Fascicule 2, 2021, 181-187, https://annals.fih.upt.ro/pdf-full/2021/ANNALS-2021-2-26.pdf	7.5
			7. Petre, I., A brief analysis of eLearning educational services in pandemic crisis, MATEC Web Conf. 343, 11011 (2021), DOI: 10.1051/mateconf/202134311011 https://www.matec-conferences.org/articles/mateconf/abs/2021/12/mateconf_mse21_11011/mateconf_mse21_11011.html	15
			8. Petre, I.M., Constative study regarding the choosing criteria of the educational institution, Educația Plus, 25 (2), 2019, pp. 60-69 https://www.uav.ro/jour/index.php/jpe/article/view/1366	15
				75
	2.3. Articole în extenso în Reviste/Proceedings Naționale/internaționale neindexate		6/ nr autori (Reviste)	0
			4/nr autori (Proceedings)	0
	2.4. Proprietate intelectuală, brevete de invenție și inovație, etc.	Internaționale	40/nr.de autori	0
		Naționale	20/nr.de autori	0
	2.5. Granturi /proiecte câștigate prin competiție	2.5.1.1. Internaționale	20* val/ (10 mii € *nr ani)	0
		2.5.1. Director/ Responsabil	CEMCAR (Functionally graded cemented carbides reinforced by multi-walled carbon nanotubes) project (SURPF 2001310057) - SFERA III European Project (Grant Agreement no. 823802), 2022-2023, PROMES laboratory, Franța dovada	12.87
		2.5.1.2. Naționale	10* val/ (10 mii € *nr ani)	0

			2.5.2. Membru in echipă	2.5.2.1. Internaționale	4*nr.ani participare in proiect	
				2.5.2.2. Naționale	2*nr.ani participare in proiect	
				Integrated aerial system for intelligent monitoring and precision agricultural applications for horticulture crops (IASIMPAH) cod proiect: PN-III-P2-2.1-PED-2021-3678 dovada		4
	2.6. Coordonare/ dezvoltare laborator/ centru cercetare (dacă este și didactic, punctajul se cuantifică o singura data)	Responsabil		40	0	
					TOTAL A₂	200.08
3.	A ₃ Recunoaș-terea și impactul activitatii	3.1. Citări în reviste ISI și BDI		3.1.1. ISI	10/nr. autori articol citat	0
				1. Petre, I.M. Studies regarding the Use of Pneumatic Muscles in Precise Positioning Systems. Appl. Sci. 2021, 11, 9855 https://www.mdpi.com/2076-3417/11/21/9855 1 citare în: Gregov, G.; Pincin, S.; Šoljič, A.; Kamenar, E. Position Control of a Cost-Effective Bellow Pneumatic Actuator Using an LQR Approach. Actuators 2023, 12, 73. https://doi.org/10.3390/act12020073 https://www.mdpi.com/2076-0825/12/2/73		10
				2. Stanciu, E.M., Pascu, A., Croitoru, C., Roată, I.C., Cristea, D., Tiorean, M.H., Hulka, I., Petre, I.M., Mirza Rosca, J.C.,		1.11

				<p>Functional Surfaces via Laser Processing in Nickel Acetate Solution, <i>Materials</i> 2023, 16 (8), 3087. https://www.mdpi.com/1996-1944/16/8/3087</p> <p>1 citare în: Zhao, S.; Taheri, M.; Shirvani, K.; Naserlouei, M.; Beirami, K.; Paidar, M.; Sai, W. Microstructure of NbMoTaTiNi Refractory High-Entropy Alloy Coating Fabricated by Ultrasonic Field-Assisted Laser Cladding Process. <i>Coatings</i> 2023, 13, 995. https://doi.org/10.3390/coatings13060995 https://www.mdpi.com/2079-6412/13/6/995</p>	
				<p>3. Petre, I., An approach regarding some performances of a FESTO pneumatic muscle actuator, <i>IOP Conference Series: Materials Science and Engineering</i>, 2021, 1009 (1), IOP Publishing, pp. 012047 https://iopscience.iop.org/article/10.1088/1757-899X/1009/1/012047</p> <p>1 citare în: 1. Sokolov, O.; Hošovský, A.; Trojanová, M. Design, Modelling, and Control of Continuum Arms with Pneumatic Artificial Muscles: A Review. <i>Machines</i> 2023, 11, 936. https://doi.org/10.3390/machines11100936</p>	10
				<p>4. Petre, I.M.; Boscoianu, M.; Oancea, B.; Chicomban, M.; Turcu, I.; Simion, G. Analysis of the Physiognomy of Unique Sets in the Maximum Number of Repetitions Strategy—The Case of One-Arm Scott Machine Seated Bicep Curls. <i>Appl. Sci.</i> 2022, 12, 8308. EISSN 2076-3417 https://doi.org/10.3390/app12168308</p> <p>5 citări în:</p>	8.33

				<p>1. Bucea-Manea-Țoniș, R.; Paun, D.G.; Mindrescu, V.; Cătună, C. Yoga, an Appurtenant Method to Improve the Sports Performance of Elite Romanian Athletes. Sustainability 2023, 15, 4264. https://doi.org/10.3390/su15054264</p> <p>2. Enoiu, R.-S.; Găinariu, I.; Mîndrescu, V. Implementing Modern Technology for Vital Sign Monitoring to Enhance Athletic Training and Sports Performance. Sustainability 2023, 15, 2520. https://doi.org/10.3390/su15032520</p> <p>3. Mihăiță, E.; Badau, D.; Stoica, M.; Mitrache, G.; Stănescu, M.I.; Hidi, I.L.; Badau, A.; Damian, C.; Damian, M. Identification of Perception Differences in Personality Factors and Autonomy by Sporting Age Category in Competitive Bodybuilders. Int. J. Environ. Res. Public Health 2023, 20, 167. https://doi.org/10.3390/ijerph20010167</p> <p>4. Badau, D.; Badau, A. Optimizing Reaction Time in Relation to Manual and Foot Laterality in Children Using the Fitlight Technological Systems. Sensors 2022, 22, 8785. https://doi.org/10.3390/s22228785</p> <p>5. Bucea-Manea-Tonis, R., Paun, D.G., Yoga, a mindfulness therapy to prevent PTSD as to encompass athletes' performance, Frontiers in Psychology 2024, 15, 1334278 https://www.frontiersin.org/journals/psychology/articles/10.3389/fpsyg.2024.1334278/full</p>	
				<p>5. Roata, I.C., Croitoru, C., Pascu, A., Stanciu, E.M., Hulka, I., Petre, I., Gabor, C., Patroi, D., Sbarcea, B.G., Surface engineering of Ni-Al coatings through concentrated solar heat treatment, Applied Surface Science 2020, 506, 144185 DOI: 10.1016/j.apsusc.2019.144185</p>	5.55

				<p>https://www.sciencedirect.com/science/article/pii/S0169433219330016?via%3Dihub</p> <p>5 citări în:</p> <ol style="list-style-type: none">1. Fernández-González, D. A State-Of-The-Art Review on Materials Production and Processing Using Solar Energy, Mineral Processing and Extractive Metallurgy Review, 2023, DOI: 10.1080/08827508.2023.2243008 https://www.tandfonline.com/doi/full/10.1080/08827508.2023.22430082. Srichen, A., Linjee, S., Banjongprasert, C. Corrosion behavior of heat-treated NiCrMoAl alloy coatings produced via arc spraying, Surfaces and Interfaces 2023, V 39, 2023, 102880, ISSN 2468-0230, https://doi.org/10.1016/j.surfin.2023.102880.3. Shojaeifar M., et al MnO₂-NiO-MWCNTs nanocomposite as a catalyst for methanol and ethanol electrooxidation, J. Phys. D: Appl. Phys. .2022, 55(35), 355502. https://www.scopus.com/record/display.uri?eid=2-s2.0-85132933216&origin=resultslist&sort=plf-f&cite=2-s2.0-85076219620&src=s&imp=t&sid=ea03cdd8de0b563d472a153d2e375c85&sot=cite&sdt=a&sl=0&relpos=2&citeCnt=13&searchTerm=4. Kováčik, J., Emmer, Š., Rodriguez, J., Cañadas, I. Concentrated solar power used in preparation of Ti – B₄C composites, Materials Today: Proceedings 2020, 45, 4321-4325, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2020.12.848.	
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				<p>5. Hou, Y., Peng, Z., Liang, J., Liu, M. Ni-Al nanocomposite coating electrodeposited from deep eutectic solvent, <i>Surface and Coatings Technology</i> 2021, 405, 126587, ISSN 0257-8972, https://doi.org/10.1016/j.surfcoat.2020.126587.</p>	
				<p>6. Petre I., Deaconescu A., Sarbu F., Deaconescu T., Pneumatic Muscle Actuated Wrist Rehabilitation Equipment Based on the Fin Ray Principle, <i>STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING</i>, vol 64. Issue 6, 2018, pp. 383 – 392, ISSN 0039-2480 ISSN 2536-2948 (online) https://www.sv-jme.eu/article/pneumatic-muscle-actuated-wrist-rehabilitation-equipment-based-on-the-fin-ray-principle/</p> <p>4 citări în:</p> <p>1. Filip, O.; Deaconescu, A.; Deaconescu, T. Modelling, Simulation and Performance Validation of the Pneumatic Actuation System of a Rehabilitation Device of the Human Hand Joints. <i>Appl. Sci.</i> 2023, 13, 1649. https://doi.org/10.3390/app13031649</p> <p>2. Deaconescu, A.; Deaconescu, T. Energy-to-Mass Ratio—A Novel Selection Criterion of Pneumatic Motors Used for the Actuation of Wearable Assistive Devices. <i>Appl. Sci.</i> 2022, 12, 6459. https://doi.org/10.3390/app12136459</p> <p>3. Filip, O.; Deaconescu, A.; Deaconescu, T. Mechanical Design of a Bioinspired Compliant Robotic Wrist Rehabilitation Equipment. <i>Appl. Sci.</i> 2021, 11, 1246. https://doi.org/10.3390/app11031246</p>	<p>10</p>

				<p>4. Deaconescu, A., Deaconescu, T. (2020). Wrist Rehabilitation Equipment Based on the Fin-Ray® Effect. In: Berns, K., Görges, D. (eds) Advances in Service and Industrial Robotics. RAAD 2019. Advances in Intelligent Systems and Computing, vol 980. Springer, Cham. https://doi.org/10.1007/978-3-030-19648-6_45</p>	
				<p>7. Petre I.M., Deaconescu A., Rogozea L., Deaconescu T., Orthopedic Rehabilitation Device Actuated with Pneumatic Muscles, International Journal of Advanced Robotic Systems: Humanoid Robotics 2014, Print ISSN 1729-8806, Online ISSN 1729-8814 https://doi.org/10.5772/58693</p> <p>7 citări în:</p> <p>1. Yang, Y.; Huang, H.; Guo, J.; Yu, F.; Yao, Y. Estimation of Tibiofemoral Joint Contact Forces Using Foot Loads during Continuous Passive Motions. Sensors 2022, 22, 4947. https://doi.org/10.3390/s22134947</p> <p>2. Baysal, C.V. An Inverse Dynamics-Based Control Approach for Compliant Control of Pneumatic Artificial Muscles. Actuators 2022, 11, 111. https://doi.org/10.3390/act11040111</p> <p>3. Glowinski, S.; Ptak, M. A kinematic model of a humanoid lower limb exoskeleton with pneumatic actuators. Acta Bioeng. Biomech. 2022, 24, 145–157. DOI: 10.37190/ABB-01991-2021-05</p> <p>4. Filip, O.; Deaconescu, A.; Deaconescu, T. Experimental Research on the Hysteretic Behaviour of Pressurized Artificial Muscles Made from Elastomers with Aramid Fibre</p>	<p>17.5</p>

			<p>Insertions. Actuators 2020, 9, 83. https://doi.org/10.3390/act9030083</p> <p>5. Liu X, Zhao Y, Geng D, Chen S, Tan X, Cao C. Soft Humanoid Hands with Large Grasping Force Enabled by Flexible Hybrid Pneumatic Actuators. Soft Robot. 2021 Apr;8(2):175-185. doi: 10.1089/soro.2020.0001. Epub 2020 Jul 16. PMID: 32677860.</p> <p>6. Sârbu F, Deaconescu A, Deaconescu T. Adjustable compliance soft gripper system. International Journal of Advanced Robotic Systems. 2019;16(4). doi:10.1177/1729881419866580</p> <p>7. Oliver-Salazar, M.A., Szwedowicz-Wasik, D., Blanco-Ortega, A., Aguilar-Acevedo, F., Ruiz-González, R., Characterization of pneumatic muscles and their use for the position control of a mechatronic finger, Mechatronics 42, pp. 25-40, 2017 https://doi.org/10.1016/j.mechatronics.2016.12.006</p>		
				62.49	
			3.1.2. BDI	5/nr.autori articol citat	0
			<p>1. Petre, I., An approach regarding some performances of a FESTO pneumatic muscle actuator, IOP Conference Series: Materials Science and Engineering, 2021, 1009 (1), IOP Publishing, pp. 012047 https://iopscience.iop.org/article/10.1088/1757-899X/1009/1/012047</p> <p>1 citare în:</p>	5	

				<p>Trojanová, M., Hošovský, A., & Čakurda, T. (2022). Modeling of Creep Effect in DMSP-5 Fluidic Muscle. TEM Journal. https://www.semanticscholar.org/paper/Modeling-of-Creep-Effect-in-DMSP-5-Fluidic-Muscle-Trojanová-Hošovský/4069d3cea23a4ed2c96fdc88aaf1669d27b35d85</p>	
				<p>2. Petre, I.M. Studies regarding the Use of Pneumatic Muscles in Precise Positioning Systems. Appl. Sci. 2021, 11, 9855 https://www.mdpi.com/2076-3417/11/21/9855</p> <p>2 citări în:</p> <p>1. Zhou K., Sun X., Yu R., Liu X., Wang B. Pneumatic Artificial Muscle Antagonistic Joint Trajectory Tracking Using Adaptive Explicit Model Predictive Control, 2022 2nd International Conference on Computers and Automation (CompAuto), Paris, France, 2022, 48-55 doi: 10.1109/CompAuto55930.2022.00016. https://www.scopus.com/results/citedbyresults.uri?sort=plf-f&cite=2-s2.0-85117778411&src=s&imp=t&sid=28c4e4c6a339990dd092de9320ed4d20&sot=cite&sdt=a&sl=0&origin=resultslist&editSaveSearch=&txGid=d614b4aa6e905ca985ece3dd31bc5724</p> <p>2. Mehrez, O., Hegazy, A.M., El-Agouz, S.A., Bassuoni, M.M. Pneumatic Artificial Muscles (PAMs) Identification for Actuating a Wrist-Joint Rehabilitation Robot, Journal of Engineering Research 2023, 7, 53-60 https://digitalcommons.aaru.edu.jo/cgi/viewcontent.cgi?article=1096&context=erjeng</p>	<p>10</p>

				<p>3. Petre I., Deaconescu A., Sarbu F., Deaconescu T., Pneumatic Muscle Actuated Wrist Rehabilitation Equipment Based on the Fin Ray Principle, STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, vol 64. Issue 6, 2018, pp. 383 – 392, ISSN 0039-2480 ISSN 2536-2948 (online) https://www.sv-jme.eu/article/pneumatic-muscle-actuated-wrist-rehabilitation-equipment-based-on-the-fin-ray-principle/</p> <p>2 citări în:</p> <p>1. Udhayakumar, S., Bharath, R.K., Kowshik Santhakumar, N., Mohamed Samsudeen Soofi, B.A. (2023). Review on Applications of Pneumatic Air Muscle. In: Dixit, U.S., Kanthababu, M., Ramesh Babu, A., Udhayakumar, S. (eds) Advances in Forming, Machining and Automation. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-19-3866-5_52</p> <p>2. Hussin, M.Z., Jalani, J., Sadun, A.S., Wei, D.T.L., Rejab, S.M. The exoskeleton hand for paralysed fingers: an overview and IOT based application for practical example, ASEAN Engineering Journal 2024, 14(2), pp. 155-166 https://journals.utm.my/aej/article/view/20955</p>	<p>2.5</p>
				<p>4. Petre I. M., Deaconescu A., Rogozea L., Deaconescu T., Orthopedic Rehabilitation Device Actuated with Pneumatic Muscles, International Journal of Advanced Robotic Systems: Humanoid Robotics 2014, Print ISSN 1729-8806, Online ISSN 1729-8814 https://doi.org/10.5772/58693</p> <p>6 citări în:</p>	<p>7.5</p>

				<p>1. Dao MD. Modeling and control of the linear actuator for the lower limb rehabilitation device. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics. 2023; 237 (4):722-735. doi:10.1177/14644193231194122 https://journals.sagepub.com/doi/abs/10.1177/14644193231194122</p> <p>2. Wang, X., Chen, H., Wang, L., Zhou, W., Li, Y. Design and Analysis of Pneumatic Bending Actuator Used in Soft Robotics (2021) Advances in Science and Technology, 105 AST, pp. 194-201. doi: 10.4028/www.scientific.net/AST.105.194 https://www.scientific.net/AST.105.194</p> <p>3. De Benedictis, C., Franco, W., Maffiodo, D., Ferraresi, C. (2019). Hand Rehabilitation Device Actuated by a Pneumatic Muscle. In: Aspragathos, N., Koustoumpardis, P., Moulianitis, V. (eds) Advances in Service and Industrial Robotics. RAAD 2018. Mechanisms and Machine Science, vol 67. Springer, Cham. https://doi.org/10.1007/978-3-030-00232-9_11</p> <p>4. I. O. Ohijeagbon et al. Developmental Design of an Orthopaedic Recovery System IOP Conf. Ser.: Mater. Sci. Eng. 2018, 413, 012045, DOI 10.1088/1757-899X/413/1/012045 https://iopscience.iop.org/article/10.1088/1757-899X/413/1/012045</p> <p>5. Yao, Y., Yang, Y., Guo, J., Pei, S., Sun, L., Review of Research on Knee-postoperative Rehabilitation Training</p>	
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			<p>Robot , Jixie Gongcheng Xuebao/Journal of Mechanical Engineering 2021, 57(5), pp. 1-18 https://iopscience.iop.org/article/10.1088/1757-899X/413/1/012045</p> <p>6. Dragan, L., Research Concerning the Actuation of a Revolute Joint Using Braided Pneumatic Muscles, Scientific Bulletin Series C: Fascicle Mechanics, Tribology, Machine Manufacturing Technology, 2014, Vol 2014, Issue 28, p28 https://scholar.google.com/scholar?start=10&hl=en&as_sdt=2005&cites=5854689930846041556&scipsc=</p>	
			<p>8. Petre, I.M.; Boscoianu, M.; Oancea, B.; Chicomban, M.; Turcu, I.; Simion, G. Analysis of the Physiognomy of Unique Sets in the Maximum Number of Repetitions Strategy—The Case of One-Arm Scott Machine Seated Bicep Curls. Appl. Sci. 2022, 12, 8308. EISSN 2076-3417 https://doi.org/10.3390/app12168308</p> <p>1 citare în:</p> <p>1. Deshi, R.K., Pujari, M.M.The impact of Yogasana on hockey players: Enhancing performance and well-being, International Journal of Yogic, Human Movement and Sports Sciences 2023; 8(2): 154-157 https://www.theyogicjournal.com/pdf/2023/vol8issue2/PartC/8-2-23-431.pdf</p>	0.83
			<p>9. Petre, I.M., Experimental Research Regarding Rehabilitation Equipment Behavior on a Recovery Program. Applied Mechanics & Materials 2014, 555. 689-694</p> <p>1 citare în:</p>	5

				<p>1. Velmurugan, V., Sharmila, L., Srimathi, S., Giridhar Reddy Kandala, Joice Jesie, M., Development Of Adaptive Systems For Higher Degrees Of Automation Of Information Acquisition And Analysis. Educational Administration: Theory and Practice 2024, 30(4), 1783–1797. https://doi.org/10.53555/kuey.v30i4.1752</p>	
				<p>10. Petre, I., Deaconescu, T. Isokinetic Equipment Designed for Therapeutic Exercises, Proceedings of International Conference on Economic Engineering and Manufacturing Systems, ICEEMS 2009, Braşov, November 2009, ISSN 1582-0246</p> <p>3 citări în:</p> <p>1. More, M., Líška, O. Comparison of different methods for pneumatic artificial muscle control, 2013 IEEE 11th International Symposium on Applied Machine Intelligence and Informatics (SAMI), Herl'any, Slovakia, 2013, pp. 117-120, doi: 10.1109/SAMI.2013.6480957. https://ieeexplore.ieee.org/abstract/document/6480957?casa_token=vMphh1D7YFMAAAAA:05Ke_UZjxtvg7Y0yFle_zxtkwEMtUjELT3xi7xh8_evftGsEM00MgNfyNasGQJT1i4J0OKJKdOuOWA</p> <p>2. Vetrice, G., Deaconescu, A., Comparison between two models of elbow rehabilitation equipment, MATEC Web Conf. 121 01018 (2017) DOI: 10.1051/matecconf/201712101018 https://www.matec-conferences.org/articles/matecconf/abs/2017/35/matecconf_mse2017_01018/matecconf_mse2017_01018.html</p>	<p>7.5</p>

				3. Deaconescu, T., Deaconescu, A., Limbasan, G., Ichim, I., Găvrus, C, Pneumatic muscle actuated equipment for the passive exercising of inferior limb bearing joints, Proceedings of International Conference on Economic Engineering and Manufacturing Systems, ICEEMS 2009, Braşov, November 2009 https://www.recentonline.ro/027/DEACONESCU_Tudor.pdf	
					38.33
	3.2. Prezentări invitate în planul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv ERASMUS)		3.2.1. Internaționale	20	0
			3.2.2. Naționale	10	0
	3.3. Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice / Recenzent pentru reviste și manifestări științifice		3.3.1. ISI	10	0
			Sustainability		10
			Education Sciences		10
			3.3.2. BDI	8	0
			3.3.3. Naționale și internaționale neindexate	5	0

	3.4. Experiența de management, analiză și evaluare în cercetare și/sau învățământ	Conducere		5*ani desfasurare	0	
		Director Gradinita cu program prelungit nr. 7 Brașov			dovada	10
		Membru		2*ani desfasurare	0	
		Membru in comisii de licenta si disertatie: 2018, 2019, 2020, 2021, 2022, 2023			dovada	12
		Membru comisie admitere master 2018, 2019, 2023			dovada	6
		Responsabil ALUMNI 2017-2023			dovada	14
	3.5. Premii		3.5.1. Academia Română	30	0	
			3.5.2. ASAS, AOSR, academii de ramura și CNCSIS	15	0	
			PN-III-P1-1.1- PRECISI-2020- 42917 (Premierea rezultatelor cercetării – articole) An Acordare:2020	dovada	15	
			PN-IV-P2-2.3- PRECISI-2023- 68245(Premierea rezultatelor cercetării – articole) An Acordare:2023	dovada	15	
			3.5.3. Premii internaționale	10	0	
			3.5.4. Premii Naționale in domeniu	5	0	
	3.6. Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale,	3.6.1. Academia Română		100	0	
		3.6.2. ASAS, AOSR, academii de ramura		20	0	
		3.6.3. Conducere asociații profesionale	3.6.3. 1. Internaționale		30	0
			3.6.3.2. Naționale		10	0
		3.6.4.1. Internaționale		5	15	

Dr. Ing. Ioana Mădălina PETRE

	apartenență la organizații din domeniul educației și cercetării	3.6.4. Asociații profesionale	Membru IAENG	dovada		
			Membru IACSIT	dovada		
			Membru IEDRC	dovada		
			3.6.4.2. Naționale		3	
		Membru AUIF	dovada		3	
		3.6.5. Organizații în domeniul educației și cercetării	3.6.5.1. Conducere	10		0
	3.6.5.2. Membru	5		0		
					TOTAL A ₃	210.82
					TOTAL A1+A2+A3	480.85

Condiții minime privind punctajul

Nr.Crt.	Domeniul de activitate	Punctaj minim conferențiar	Punctajul obtinut
1.	A1 - Activitatea didactică / profesională	80	93.95
2.	A2 – Activitatea de cercetare	130	200.08
3.	A3 – Recunoașterea impactului activității	40	210.82
TOTAL		250	504.85

Data,
17.06.2024

Candidat,
Dr. Ing. PETRE Ioana Mădălina



Centralizator de îndeplinire a Standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare

CONFERENȚIAR

Domeniul de activitate	Condiții minime Conferențiar	Realizat
1. Activitatea didactică / profesională (A1)	Minimum 80 puncte	93.95 puncte
	1.1.1. Cărți /manuale/monografii/ capitole de specialitate ca autor Conferențiar minimum 1 de prim autor	1 carte ca unic autor la editură internațională (LAP Lambert Academic Publishing); 1 carte ca unic autor la editură națională (Editura Lux Libris Brașov)
	1.1.2 Suporturi de curs/Îndrumare Conferențiar: minimum 2, din care 1 prim autor	2 suporturi de curs/îndrumare la editură recunoscută CNCSIS (Lux Libris Brașov, Editura Universității Transilvania)
2. Activitatea de cercetare (A2)	Minimum 130 puncte	200.08
	2.1 Articole indexate în reviste ISI Thomson Reuters și în Volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baza de date	

	De la ultima promovare (2019) Minimum 5 articole, din care minimum 1 în reviste, minimum 2 ca autor principal pentru Conferen ar	7 articole în reviste Thomson Reuters 3 ca autor principal 1 ca autor corespondent
	2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale De la ultima promovare (2019) Minimum 5 pentru Conferențiar	8 articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale
	2.5. Granturi /proiecte câștigate prin competiție sau contracte cu mediul socio+economic (în valoare de minimum 25000 lei).	1 proiect câștigat prin competiție în calitate de director
3. Recunoașterea impactului activității (A3)	Minimum 40 puncte	210.82
TOTAL		504.85

Data,
17.06.2024

Șef lucr. dr. ing. PETRE Ioana Mădălina

