

RAPORT DE AUTOEVALUARE A ACTIVITĂȚII PENTRU ANII 2021 – 2026
(perioada evaluată: 01.10.2021 – 30.09.2026)

Numele și prenumele: **PALEU Viorel**

Funcția didactică: **Profesor universitar, doctor inginer, abilitat (conducător de doctorat)**

Facultatea/ Departamentul: **Facultatea de Mecanică / Departamentul de Inginerie Mecanică, Mecatronică și Robotică (IMMR)**

*Realizările sunt grupate pe codurile din Fișa de autoevaluare pentru acordarea gradației de merit – Facultatea de Mecanică (2026), iar punctajul fiecărei realizări este calculat cu formula prevăzută în fișă. La lucrările din reviste cu factor de impact s-a folosit factorul de impact JCR (Clarivate) al anului publicării (pentru lucrările din 2026 – ultimul JCR disponibil). Sumele în lei au fost transformate în euro la raportul mediu leu/euro din fișă (2021: 4,92; 2022: 4,93; 2025: 5,04; 2026: 5,19). Autorul corespondent este marcat cu *.*

Criteriul 1. Activitatea didactică

A. Contribuții la modernizarea bazei materiale pentru activități didactice

Nr.	Realizarea	Calculul punctajului	Puncte
A5 – Pregătirea unei discipline noi introdusă în planul de învățământ la studiile universitare de masterat			
1.	Pregătirea disciplinei noi Analiza vibro-acustică a sistemelor automobilului – masteratul CMPA: 1 oră de curs/săptămână și 1 oră de aplicații/săptămână, 14 săptămâni – 14 ore de curs (aplicațiile nu se punctează).	6 p × 14 ore de curs	84,00
2.	Pregătirea disciplinei noi Diagnosticare vibroacustică – masteratul Sisteme de transport pe cale ferată (STCF): 1 oră de curs/săptămână și 2 ore de aplicații/săptămână, 14 săptămâni – 14 ore de curs (aplicațiile nu se punctează).	6 p × 14 ore de curs	84,00
Total A5			168,00
A6 – Modernizarea unei instalații folosite în activitatea didactică de laborator			
3.	Modernizarea standului de testat rulmenți radiali-axiali cu bile la turații înalte – electrobroșă nouă, convertizor de frecvență și dispozitiv de testare nou (se găsește la Catedra de TMR – clădirea Rulment – parter).	30 p / 1 autor	30,00
4.	Modernizarea sistemului de achiziție de date de pe tribometrul pin-on-disk (se găsește la Catedra de TMR – clădirea Rulment – parter).	30 p / 1 autor	30,00
5.	Modernizarea sistemului de achiziție de date de pe tribometrul AMSLER – program Matlab de achiziție, cu scrierea automată a rezultatelor și trasarea graficelor (se găsește în laboratorul de tribologie, UTTEX parter, sala 103).	30 p / 1 autor	30,00
Total A6			90,00
A7 – Lucrare nouă de laborator (instalație experimentală nouă; lucrare simulată pe calculator)			
6.	Instalație experimentală nouă: al doilea stand pentru testarea rulmenților încărcăți axial cu arcuri din aliaje cu memoria formei, realizat după 2021, cu dispozitivul pentru determinarea pretensionării optime (cerere de brevet A/00786/13.12.2024, punctată la C12) și sistem de achiziție de date (Fișa de verificare a standardelor, 2023, poz. 13).	150 p / 2 autori	75,00
7.	Instalație experimentală nouă: stand pentru măsurarea turației la transmisiile cutiei de viteze (sala 209, UTTEX).	150 p / 1 autor	150,00
8.	Lucrare nouă de laborator simulată pe calculator: Program C pentru calculul durabilității L10 a rulmenților cu bile încărcăți pur axial.	50 p / 1 autor	50,00
9.	Lucrare nouă de laborator simulată pe calculator: Program Mathcad pentru echilibrul cvasistatic al rulmenților cu bile.	50 p / 1 autor	50,00
10.	Lucrare nouă de laborator simulată pe calculator: Program Mathcad pentru echilibrul cvasistatic al rulmenților cu role cilindrice.	50 p / 1 autor	50,00
11.	Lucrare nouă de laborator simulată pe calculator: Program Mathcad pentru cinematica rulmenților cu bile din oțel și din nitru de siliciu.	50 p / 1 autor	50,00
12.	Lucrare nouă de laborator simulată pe calculator: Program Mathcad pentru momentul de frecare din rulmenții cu bile din oțel și din nitru de siliciu.	50 p / 1 autor	50,00
13.	Lucrare nouă de laborator simulată pe calculator: Program Mathcad pentru pierderile prin frecare din rulmenții cu bile din oțel și din nitru de siliciu.	50 p / 1 autor	50,00

Nr.	Realizarea	Calculul punctajului	Puncte
14.	Lucrare nouă de laborator simulată pe calculator: Program Mathcad pentru temperatura bilei celei mai încărcate (rulmenți cu bile din oțel și din nitru de siliciu).	50 p / 1 autor	50,00
15.	Lucrare nouă de laborator simulată pe calculator: Program Mathcad pentru presiunea hertziană și parametrul de ungere – aplicație la mașina cu patru bile.	50 p / 1 autor	50,00
16.	Lucrare nouă de laborator simulată pe calculator: Program Mathcad pentru parametrii de contact și parametrul de ungere – aplicație la mașina AMSLER.	50 p / 1 autor	50,00
17.	Lucrare nouă de laborator simulată pe calculator: Program Matlab pentru diagnosticarea acustică a sistemelor mecanice (spectrul de putere al anvelopei semnalului).	50 p / 1 autor	50,00
18.	Lucrare nouă de laborator simulată pe calculator: Program Matlab pentru diagnosticarea prin vibrații a rulmenților (baza de date CWRU, anvelopa Hilbert).	50 p / 1 autor	50,00
19.	Lucrare nouă de laborator simulată pe calculator: Program Matlab pentru filtrarea datelor achiziționate pe mașina AMSLER și exportul lor automat (import în Origin).	50 p / 1 autor	50,00
20.	Lucrare nouă de laborator simulată pe calculator: Program Matlab pentru interpretarea statistică a datelor și generarea curbei PDF – aplicație la fenomenul stick-slip (UMT2-CETR).	50 p / 1 autor	50,00
Total A7			875,00
A9 – Dotare prin atragerea de fonduri bugetare (echipamente)			
21.	Dotare cu mașina cu 4 bile DUCOM FBT-3, valoare 283.458 lei, achiziționată în 2022 din fondurile de cercetare ale Facultății de Mecanică (prof. Paleu având 10 doctoranzi cu venituri anuale neconsumate sau consumate doar parțial în perioada 2021–2025); scop didactic și de cercetare. (Factura atașată la dosar).	283.458 lei / 4,93 = 57 496,55 EUR; 3 p × 57 496,55 EUR / 100 EUR / 1 autor	1 724,90
Total A9			1 724,90
TOTAL A			2 857,90

B. Activități cu studenți

Nr.	Realizarea	Calculul punctajului	Puncte
B1 – Pregătirea studenților și participarea la concursuri profesionale (faze naționale)			
1.	Pregătirea studentei Chiariu Denisa-Alexandra – TIE-M & TIE-M Plus 2024 / TIE 2024, ed. a 33-a, Sibiu, 24–27.04.2024 – premiul I (coordonator V. Paleu). – Diplomă în copie predată la Doamna Decan din anul 2024 – Studentul a primit un premiu în bani.	200 p / student premiat (fază națională)	200,00
2.	Pregătirea studentului Băbăligă Mihai-Octavian – TIE-M & TIE-M Plus 2024 / TIE 2024, Sibiu – premiul III (coordonator V. Paleu). – Diplomă în copie predată la Doamna Decan din anul 2024 – Studentul a primit un premiu în bani.	200 p / student premiat (fază națională)	200,00
3.	Pregătirea studentului Bîrliba Matei-Teodor – TIE-M Plus 2024, Sibiu – participant (coordonator V. Paleu). – Diplomă în copie predată la Doamna Decan din anul 2024 – Studentul a primit un premiu în bani.	100 p / student participant (fază națională)	100,00
4.	Pregătirea studentului Bîrliba Matei-Teodor – Conferința Națională a Studenților și Elevilor din domeniul Științelor ingineresti „Tehnonav Junior”, ed. a XIII-a, Universitatea „Ovidius” din Constanța, 2024 – premiul II (coordonator V. Paleu). – Diplomă în copie predată la Doamna Decan din anul 2024 – Studentul a primit un premiu în bani.	200 p / student premiat (fază națională)	200,00
5.	Pregătirea studentului Bîrliba Matei-Teodor – Student Design & Manufacturing Competition (SDMC 2024), ed. a IV-a, Iași, 28–29.11.2024 – premiul III (coordonator V. Paleu). – Diplomă în copie predată la Doamna Decan din anul 2024 – Studentul a primit un premiu în bani.	200 p / student premiat (fază națională)	200,00
6.	Pregătirea studentului Băbăligă Mihai-Octavian – SDMC 2024, ed. a IV-a, Iași – premiul III (coordonator V. Paleu). – Diplomă în copie predată la Doamna Decan din anul 2024 – Studentul a primit un premiu în bani.	200 p / student premiat (fază națională)	200,00
Total B1			1 100,00
B2 – Conducerea cercurilor științifice studențești în afara normei			
7.	Conducerea cercurilor științifice studențești în afara normei: 3 cercuri/an conduse, din care 2 în normă → 1 cerc/an în afara normei, anii universitari 2021–2022 ... 2025–2026 (5 cercuri × an).	5 × 30 p	150,00
Total B2			150,00

Nr.	Realizarea	Calculul punctajului	Puncte
B3 – Cercuri științifice studențești premiate la faza pe facultate			
8.	Cerc științific premiat la faza pe facultate, mai 2023 (coordonator prof. dr. ing. Viorel Paleu): „Testări de lubrifianti biodegradabili pe mașina cu 4 bile” (Băbăligă Octavian Mihai, Bahnar Ștefan) – premiul III; „Mentenanța preventivă-predictivă a CNC-urilor pentru rectificarea roților dințate” (Sam Alexandru-Iulian) – premiul II.	60 p / cerc	60,00
9.	Cerc științific premiat la faza pe facultate, mai 2024 (coordonator prof. dr. ing. Viorel Paleu): „Asamblări filetate” (Chiuariu Alexandra) – premiul II.	60 p / cerc	60,00
Total B3			120,00
B7 – Îndrumare de proiect de diplomă / disertație / îndrumare doctorat, în afara normei			
10.	Îndrumare lucrări de licență și disertație, anul universitar 2021–2022 – 17 lucrări (8 în normă, 9 în afara normei). În normă: licență – Crișan Gabriel, Bîrsan Ana Maria, Simota Florin, Diaconu Alin-Ștefan, Codrianu Alexandru-Denis, Driu Vasile-Răzvan, Drumea Vlad, Ichim Vasile-Ionuț. În afara normei – punctate: licență – Murărașu Eduard-Constantin, Lala Mihai Georgel, Ailiesei Irinel Constantin, Onu Ionuț-Vlăduț, Onute Alexandru, Golban Daniel, Onuță Nicolae, Baci Ștefan Răducu; disertație – Ifteni Sergiu-Andrei (STCF).	$(17 - 8 = 9)$ lucrări $\times 40$ p	360,00
11.	Îndrumare lucrări de licență și disertație, anul universitar 2022–2023 – 3 lucrări, toate în normă (norma: 8/an): licență – Antoci Gabriel, Calimadriuc Vlad; disertație – Popa George.	$3 \leq 8$ (în normă) – 0 p	0,00
12.	Îndrumare lucrări de licență și disertație, anul universitar 2023–2024 – 5 lucrări, toate în normă (norma: 8/an): licență – Băbăligă Octavian, Chiuariu Denisa Alexandra, Țifui Roberto, Bîrlița Matei; disertație – Marjin (Mecatronică avansată).	$5 \leq 8$ (în normă) – 0 p	0,00
13.	Îndrumare lucrări de licență și disertație, anul universitar 2024–2025 – 8 lucrări, toate în normă (norma: 8/an): licență – Hoșteanu Paul, Andronic Claudiu-Dumitru, Iordache Iustin, Crudu Ștefănel, Petcu Alexandru Iulian, Florea Dumitru Cosmin, Cozma Marius; disertație – Antoci Gabriel (MCTA).	$8 \leq 8$ (în normă) – 0 p	0,00
14.	Îndrumare lucrări de licență și disertație, anul universitar 2025–2026 – 24 lucrări (8 în normă, 16 în afara normei). În normă: licență – Costin Valentin Florin, Ailenei Fabian, Savischi Tudor, Bucșă Andrei, Gurău Ștefan, Ciobanu Cătălin, Untea Dobroiu Andrei, Tărăboi. În afara normei – punctate: licență – Lehaci Ana Maria, Ciobanu George, Stafie Adrian, Melinte, Reciulschi Victor, Mesca Viorel, Tepes Adrian, Gherghinis Andrei, Murzenco Marina; disertații – Borcuț Dimitrie Cătălin, Petrescu Marius, Negrei Dănuț, Arcan Radu, Baci Cosmin Andrei, Aprodu Cătălin (SMTCF), Florea Dumitru Cosmin (MCTA).	$(24 - 8 = 16)$ lucrări $\times 40$ p	640,00
15.	Conducere de doctorat (în normă: 4 doctoranzi/an), anul universitar 2021–2022 – 4 doctoranzi: Macovei Gheorghe, Lăpușteanu Alexandru, Bradu Cristi Irinel, Boitan (Ulian) Mirabela-Elena.	$4 \leq 4$ (în normă) – 0 p	0,00
16.	Conducere de doctorat (în normă: 4 doctoranzi/an), anul universitar 2022–2023 – 6 doctoranzi: Macovei Gheorghe, Lăpușteanu Alexandru, Bradu Cristi Irinel, Boitan (Ulian) Mirabela-Elena, Șmadici Denisa, Anușca Bogdan.	$(6 - 4 = 2)$ doctoranzi $\times 100$ p	200,00
17.	Conducere de doctorat (în normă: 4 doctoranzi/an), anul universitar 2023–2024 – 9 doctoranzi: Macovei Gheorghe, Lăpușteanu Alexandru, Bradu Cristi Irinel, Boitan (Ulian) Mirabela-Elena, Șmadici Denisa, Anușca Bogdan, Popa George, Siniuc Florin, Zamă Andrei.	$(9 - 4 = 5)$ doctoranzi $\times 100$ p	500,00
18.	Conducere de doctorat (în normă: 4 doctoranzi/an), anul universitar 2024–2025 – 10 doctoranzi: Macovei Gheorghe, Lăpușteanu Alexandru, Bradu Cristi Irinel, Boitan (Ulian) Mirabela-Elena, Șmadici Denisa, Anușca Bogdan, Popa George, Siniuc Florin, Zamă Andrei (teză susținută la 01.09.2025), Luca Dragoș.	$(10 - 4 = 6)$ doctoranzi $\times 100$ p	600,00
19.	Conducere de doctorat (în normă: 4 doctoranzi/an), anul universitar 2025–2026 – 9 doctoranzi: Macovei Gheorghe, Lăpușteanu Alexandru, Bradu Cristi Irinel, Șmadici Denisa, Anușca Bogdan, Popa George, Luca Dragoș, Coman Ștefan, Bahnar Ștefan.	$(9 - 4 = 5)$ doctoranzi $\times 100$ p	500,00
Total B7			2 800,00

Nr.	Realizarea	Calculul punctajului	Puncte
B9 – Activitate didactică cu studenți incoming (ERASMUS+)			
20.	Activitate didactică cu studenți incoming ERASMUS+, anul universitar 2023–2024 – 6 studenți (fișa de autoevaluare a departamentului pe 2023, pct. 4.6: „6 studenți Franța și Spania la disciplinele CCST și DVA”): Nathan Girard (Univ. Mulhouse, Franța) – SMTCF și DVA; Oscar Manso Gil (Univ. Burgos, Spania) – CCST; Clara Salces Aransaez (Univ. Burgos, Spania) – CCST; Nara de Abaho Perez (Univ. Burgos, Spania) – CCST; Ivan Diaz Diaz (Univ. Coruña, Spania) – CCST; Discipline: CCST – Construcția și calculul sistemelor de transmisie; DVA – Diagnosticare vibroacustică; SMTCF – Sisteme moderne de transport pe calea ferată.	6 studenți × 40 p	240,00
21.	Activitate didactică cu studenți incoming ERASMUS+, anul universitar 2024–2025 – 6 studenți (fișa departamentului 2024 – martie 2025, pct. 4.6: „6 studenți Franța și Spania la disciplinele CCST, STCF și DVA”): Myriam Braza (Univ. Cádiz, Spania) – CCST și DVA; Lamouchi Tahir (Univ. Mulhouse, Franța) – SMTCF; Adrian Sans Palacios (Univ. Burgos, Spania) – CCST; Nicolas Saiz Ces (Univ. Burgos, Spania) – CCST; Hugo Narijuan Mayor (Univ. Burgos, Spania) – CCST.	6 studenți × 40 p	240,00
22.	Activitate didactică cu studenți incoming ERASMUS+, anul universitar 2025–2026 – 5 studenți: Josue Albert (Univ. Haute Alsace, Franța) – SMTCF; Hector Grussi (Univ. Haute Alsace, Franța) – SMTCF; Lucia Lopez Gomez (Univ. Cádiz, Spania) – CCST; Ignacio Devis Giordan (Univ. Burgos, Spania) – DVA și CCST; Marcos Garcia Tapio (Univ. Burgos, Spania) – DVA și CCST.	5 studenți × 40 p	200,00
Total B9			680,00
B10 – Participarea în comisiile pentru susținerea examenelor de diplomă și a disertațiilor			
23.	Membru în comisia de susținere a examenului de disertație – masterul Sisteme de transport pe cale ferată (STCF), anii universitari 2021–2022 ... 2025–2026 (5 ani).	5 ani × 20 p	100,00
24.	Membru în comisia de susținere a examenului de licență – programul Construcții de autovehicule, anii universitari 2021–2022 ... 2025–2026 (5 ani).	5 ani × 20 p	100,00
25.	Președinte al comisiei de susținere a examenului de disertație – masterul Mecatronică avansată, anii universitari 2021–2022 ... 2025–2026 (5 ani).	5 ani × 20 p	100,00
Total B10			300,00
B13 – Activitatea de tutoriat (îndrumător de an)			
26.	Îndrumător de an – programul Construcții de autovehicule (CA), anul 3 și anul 4, anii universitari 2021–2022, 2022–2023, 2023–2024, 2024–2025 și 2025–2026.	CA anul 3: 5 ani × 30 p; CA anul 4: 5 ani × 30 p	300,00
Total B13			300,00
B14 – Organizarea admiterii (comisia de înscriere) și prezentarea facultății elevilor din licee			
27.	Membru în comisiile de admitere ale facultății (licență și masterat), anii universitari 2021–2022 ... 2025–2026 (sesiunile de admitere 2022–2026).	5 ani × 100 p (membru comisie de înscriere)	500,00
28.	Prezentarea facultății elevilor din licee în vederea înscrierii la admitere (deplasare personală): 2021 – liceul „Cartianu” (Piatra Neamț), liceele din Bicăz și Borca, liceul „Alecsandri” (Iași); 2022 – liceul „Cartianu” (Piatra Neamț), liceele din Bicăz și Borca, liceele „Chimie” și „Alecsandri” (Iași); 2023 – aceleași licee ca în 2022; 2024 – liceul „Moisil” (2 clase) și liceul „Hasdeu” (1 clasă), Iași.	2021: 3×40+20; 2022: 3×40+2×20; 2023: 3×40+2×20; 2024: 2×20	500,00
Total B14			1 000,00
TOTAL B			6 450,00

Total Criteriul 1 (A + B): 9 307,90 puncte

Criteriul 2. Activitatea de cercetare științifică

C. Activitatea de cercetare științifică

Nr.	Realizarea	Calculul punctajului	Puncte
C1 – Editarea de monografii și tratate (edituri din străinătate; edituri consacrate din țară)			
1.	Bhaumik S., Paleu V., Jayakumar V., Kaleli E.H. (eds.) – Sustainable Surface Engineering Approaches for Industrial Applications: Surface Treatments and Surface Textures, CRC Press (Taylor & Francis), Boca Raton, 2026 (apărut la 22.04.2026), 198 p., ISBN 978-1-032-59002-8, DOI: 10.1201/9781003713364 (volum coordonat, 4 editori).	4 × 198 p. / 4 autori	198,00

Nr.	Realizarea	Calculul punctajului	Puncte
2.	Bhaumik S., Paleu V., Jayakumar V., Kaleli E.H. (eds.) – Sustainable Surface Engineering Approaches for Industrial Applications: Sustainable Coating Solutions, CRC Press (Taylor & Francis), Boca Raton, 2026 (apărut la 22.04.2026), 178 p., ISBN 978-1-032-59003-5, DOI: 10.1201/9781003744733 (volum coordonat, 4 editori).	4 × 178 p. / 4 autori	178,00
3.	Vikram K., Pramanik S., Paleu V., Bhaumik S. – Surface Modification of Magnesium Alloy Employing External Coating for Biomedical Applications, capitol în: D. Kumar, N. Ansari (eds.), Magnesium Alloys for Biomedical Applications: Advances and Challenges, CRC Press (Taylor & Francis), 2024, pp. 109–123 (15 p.), DOI: 10.1201/9781003400462-5.	4 × 15 p. / 4 autori	15,00
4.	Paleu V., Zamă A. – Rulmenți hibridi, Editura Performantica, Iași, 2026, 238 p., ISBN 978-630-328-220-6 (2 autori).	3 × 238 p. / 2 autori	357,00
Total C1			748,00
C2 – Lucrări științifice publicate sau citate în reviste internaționale cu factor de impact (Journal Citation Reports – WoS)			
5.	Tufescu A., Munteanu C., Brînză F., Paleu V., Chicet D.L., Istrate B., Lupu F.C. – Thin-Film Coating Technologies for Energy-Efficient Glazing: Materials, Deposition Systems, Methods of Analysis, and Functional Performance. Applied Sciences 16(16), 8188 (2026). DOI: 10.3390/app16168188.	FI 2026 = 2,9; (0,1 + 2,9) × 150	450,00
6.	Blanari I., Goanță V., Paleu V.*, Bhaumik S., Coteață M. – Experimental and numerical analysis of wheel-rail tribology under dry and contaminated conditions with oil, oil-water emulsion, and leaf debris. Railway Engineering Science, 1–25 (2026, publicat online la 22.07.2026). DOI: 10.1007/s40534-026-00443-6.	FI 2026 = 5,4; (0,1 + 5,4) × 150	825,00
7.	Alavanthar A., Bhaumik S., Nisha M.S., Mangalampalli K., Paleu V.*, Florea V. – Bio-Based Gum Arabic-Reinforced Epoxy Overlay System: Mechanical, Thermal, and Tribological Performance with Wear Mechanism Analysis. Polymers 18(14), 1695 (2026). DOI: 10.3390/polym18141695.	FI 2026 = 5,8; (0,1 + 5,8) × 150	885,00
8.	Bhaumik S., Reddy B.L.M., Paleu V., Chong W.W.F. – Do Nano-Additives Always Improve Electrified Lubrication? Insights from hBN-Containing Grease in Rolling Bearings Under Electrified Conditions. Technologies 14(7), 389 (2026). DOI: 10.3390/technologies14070389.	FI 2026 = 5,2; (0,1 + 5,2) × 150	795,00
9.	Severin T.-L., Paleu V., Bejinariu C., Giurma-Handley C.-R., Tamasag I., Cimpoesu N., Lupescu S.C., Zegan G., Roman A.-M., Bădăraș G., Ioanid N. – Comparative Wear Evaluation of Pure Zn, Zn-Mg and Zn-Mg-Y Alloys Using Mass Loss Measurements and Optical Profilometry. Materials 19(6), 1211 (2026). DOI: 10.3390/ma19061211.	FI 2026 = 3,7; (0,1 + 3,7) × 150	570,00
10.	Steffy M., Bhaumik S., Choudhury N.D., Paleu V.*, Florea V. – Eco-Friendly Illite as a Sustainable Solid Lubricant in Calcium Grease: Evaluating Its Thermal Stability, Tribological Performance, and Energy Efficiency. Materials 19(3), 464 (2026; 23.01.2026). DOI: 10.3390/ma19030464.	FI 2026 = 3,7; (0,1 + 3,7) × 150	570,00
11.	Șmadici D., Tufescu A., Paleu V.* – Finite element analysis of stress distribution and displacement in the human knee joint: enhancing osteoarthritis diagnosis. Environmental Engineering and Management Journal 25(2), 369–382 (2026). DOI: 10.30638/eemj.2026.031.	FI 2026 = 0,9; (0,1 + 0,9) × 150	150,00
12.	Kumar S., Bhaumik S., Paleu V., Hareesh G. – Artificial neural network – multi-criteria decision making approaches to predict and validate the role of roughness parameters of D2 tool steel generated by various machining processes on friction and wear under dry and lubricated conditions. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology 240(5), 883–898 (publicat online la 30.09.2025). DOI: 10.1177/13506501251381030.	FI 2025 = 2,2; (0,1 + 2,2) × 150	345,00
13.	Bhaumik S., Venkatsubramanian K., Varadharajan S., Meenachinathan S., Mavani S., Florea V., Paleu V.* – Industrial Internet of Things (IIoT)-Based Monitoring of Frictional, Vibration, and Sound Generation in Lubricated Automotive Chains. Technologies 13(10), 465 (2025). DOI: 10.3390/technologies13100465; WOS:001602667400001.	FI 2025 = 5,2; (0,1 + 5,2) × 150	795,00
14.	Bhaumik S., Yunus M., Jothikumar S., Hareesh G., Paleu V., Sharma A.K., Mavani S. – Exploring the Failures of Deep Groove Ball Bearings Under Alternating Electric Current in the Presence of Commercial Lithium Grease. Technologies 13(7), 275 (2025). DOI: 10.3390/technologies13070275; WOS:001539688800001.	FI 2025 = 5,2; (0,1 + 5,2) × 150	795,00

Nr.	Realizarea	Calculul punctajului	Puncte
15.	Steffy M., Bhaumik S., Paleu V. – Exploring biotite – a naturally occurring silicate as a sustainable additive in calcium hydroxide/castor oil eco-friendly grease for controlling friction, wear, and energy consumption. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology 240(4), 562–584 (publicat online la 26.06.2025). DOI: 10.1177/13506501251353290.	FI 2025 = 2,2; (0,1 + 2,2) × 150	345,00
16.	Cimpoesu N., Paleu V.*, Panaghie C., Roman A.M., Cazac A.M., Cioca L.I., Bejinariu C., Lupescu S.C., Axinte M., Popa M., Zegan G. – Mechanical Properties and Wear Resistance of Biodegradable ZnMgY Alloy. Metals 14(7), 836 (2024). DOI: 10.3390/met14070836; WOS:001277266300001.	FI 2024 = 2,5; (0,1 + 2,5) × 150	390,00
17.	Mukherjee M., Sarkar P., Barman S., Mallisetty P.K., Paleu V., Bhaumik S. – Investigating the wear resistance of AISI 410/AISI 2205 hybrid weld cladding on annealed EN 8 medium carbon steel. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology 238(11), 1373–1392 (2024). DOI: 10.1177/13506501241255989; WOS:001234224500001.	FI 2024 = 1,8; (0,1 + 1,8) × 150	285,00
18.	Krishnamoorthy V., Anitha John A., Bhaumik S., Paleu V.* – Mapping Acoustic Frictional Properties of Self-Lubricating Epoxy-Coated Bearing Steel with Acoustic Emissions during Friction Test. Technologies 12(3), 30 (2024). DOI: 10.3390/technologies12030030; WOS:001192484800001.	FI 2024 = 3,6; (0,1 + 3,6) × 150	555,00
19.	Macovei G., Benchea M., Bhaumik S., Paleu V.* – Tribological characteristics of additive manufactured components by digital light processing, subjected to linear reciprocating motion. Acta Technica Napocensis – Series: Applied Mathematics, Mechanics, and Engineering 67(4s) (2024).	FI 2024 = 0,2; (0,1 + 0,2) × 150	45,00
20.	Zamă A., Paleu V.*, Ianuș G. – Preload testing system for angular contact ball bearings using shape memory alloy modules. Acta Technica Napocensis – Series: Applied Mathematics, Mechanics, and Engineering 67(4s) (2024).	FI 2024 = 0,2; (0,1 + 0,2) × 150	45,00
21.	Bhaumik S., Anurag Krishna B., Reddy B.L.M., Hareesh G., Vikram K., Paleu V.*, Mavani S. – Investigating the Fretting Failure of Axial Thrust Steel Bearings in the Presence of Anti-Fretting Lubricating Paste. Metals 13(12), 2023 (2023). DOI: 10.3390/met13122023; WOS:001137816100001.	FI 2023 = 2,6; (0,1 + 2,6) × 150	405,00
22.	Șmadici D., Paleu V. – Evaluation of Savitzky-Golay Filtering Applied to Vibroarthographic Signals Acquired at the Knee Level and Its Impact on the Crest Factor. Acta Technica Napocensis – Series: Applied Mathematics, Mechanics, and Engineering 66(5) (2023). WOS:001267255200030.	FI 2023 = 0,1; (0,1 + 0,1) × 150	30,00
23.	Macovei G., Stamate C.V., Paleu V.* – Tribological characteristics of additive manufactured components by digital light processing. Acta Technica Napocensis – Series: Applied Mathematics, Mechanics, and Engineering 66(5) (2023). WOS:001267255200029.	FI 2023 = 0,1; (0,1 + 0,1) × 150	30,00
24.	Cazan S., Bhaumik S., Paleu V.*, Crețu S. – Developing a Fast-Processing Novel Algorithm for Contact Analysis of Standard Spur Gears. Symmetry 15(2), 554 (2023). DOI: 10.3390/sym15020554; WOS:000940092400001.	FI 2023 = 2,2; (0,1 + 2,2) × 150	345,00
25.	Walvekar R., Bhaumik S., Nagarajan T., Khalid M., Rasheed A.K., Gupta T.C.S.M., Paleu V.* – New Optimized Lubricating Blend of Peanut Oil and Naphthenic Oil Additivated with Graphene Nanoparticles and MoS ₂ : Stability Time and Thermal Conductivity. Lubricants 11(2), 71 (2023). DOI: 10.3390/lubricants11020071; WOS:000940483900001.	FI 2023 = 3,1; (0,1 + 3,1) × 150	480,00
26.	Bejinariu C., Paleu V., Stamate C.V., Cimpoeșu R., Coteață M., Bădărău G., Axinte M., Istrate B., Vasilescu G.D., Cimpoeșu N. – Microstructural, Corrosion Resistance, and Tribological Properties of Al ₂ O ₃ Coatings Prepared by Atmospheric Plasma Spraying. Materials 15(24), 9013 (2022). DOI: 10.3390/ma15249013; WOS:000906867300001.	FI 2022 = 3,4; (0,1 + 3,4) × 150	525,00
27.	Kumar S., Bhaumik S., Patnaik L., Maity S.R., Paleu V.* – Application of Integrated BWM Fuzzy-MARCOS Approach for Coating Material Selection in Tooling Industries. Materials 15(24), 9002 (2022). DOI: 10.3390/ma15249002; WOS:000904363600001.	FI 2022 = 3,4; (0,1 + 3,4) × 150	525,00
28.	Bhaumik S., Paleu V.*, Chowdhury D., Batham A., Sehgal U., Bhattacharya B., Ghosh C., Datta S. – Tribological Investigation of Textured Surfaces in Starved Lubrication Conditions. Materials 15(23), 8445 (2022). DOI: 10.3390/ma15238445; WOS:000897310500001.	FI 2022 = 3,4; (0,1 + 3,4) × 150	525,00

Nr.	Realizarea	Calculul punctajului	Puncte
29.	Marian G., Ianuș G., Istrate B., Banari A., Nazar B., Munteanu C., Măluțan T., Gudîma A., Ciolacu F., Daraduda N., Paleu V.* – Evaluation of Agricultural Residues as Organic Green Energy Source Based on Seabuckthorn, Blackberry, and Straw Blends. Agronomy 12(9), 2018 (2022). DOI: 10.3390/agronomy12092018; WOS:000856162800001.	FI 2022 = 3,7; (0,1 + 3,7) × 150	570,00
30.	Ciolacu F., Ianuș G., Marian G., Munteanu C., Paleu V.*, Nazar B., Istrate B., Gudîma A., Daraduda N. – A Qualitative Assessment of the Specific Woody Biomass of Fruit Trees. Forests 13(3), 405 (2022). DOI: 10.3390/f13030405; WOS:000775378000001.	FI 2022 = 2,9; (0,1 + 2,9) × 150	450,00
31.	Munteanu C., Paleu V.*, Istrate B., Dascălu A., Cîrlan Paleu C., Bhaumik S., Ancaș A.D. – Tribological Behavior and Microstructural Analysis of Atmospheric Plasma Spray Deposited Thin Coatings on Cardan Cross Spindles. Materials 14(23), 7322 (2021; publicat la 30.11.2021). DOI: 10.3390/ma14237322; WOS:000735625800001.	FI 2021 = 3,748; (0,1 + 3,748) × 150	577,20
32.	Citări în reviste cu factor de impact (JCR – WoS), fără autocitări, în perioada 01.10.2021 – 30.09.2026 – 246 citări; lista – Anexa 2.1.	246 × 30 p	7 380,00
Total C2			19 687,20
C3 – Lucrări științifice publicate sau citate în alte reviste internaționale indexate WoS (fără factor de impact) și în BDI			
33.	Steffy M., Bhaumik S., Choudhury N.D., Paleu V. – Temperature-Dependent Rheology of Calcium-Based Eco-Friendly Greases Using a Modified Carreau–Yasuda Model with Arrhenius Equation Integration. Journal of Bio- and Tribo-Corrosion 12(2) (2026; 10.02.2026). DOI: 10.1007/s40735-026-01114-z (Scopus).	30 p	30,00
34.	Macovei G., Luca D., Popa G., Paleu V. – Tribological behavior of ABS-like photopolymer resins in sliding bearings manufactured by DLP printing. Tehnomus Journal – New Technologies and Products in Machine Manufacturing Technologies, No. 32 (2025).	30 p	30,00
35.	Zamă A., Paleu V.* – Improving the Reliability and Energy Efficiency of Equipment Requiring Preloaded Bearing Assemblies. EMERG – Energy. Environment. Efficiency. Resources. Globalization 10(3), 75–92 (2024). DOI: 10.37410/EMERG.2024.3.05 (Scopus, EBSCO, Index Copernicus).	30 p	30,00
36.	Alavanthar A., Bhaumik S., Paleu V. – Investigating the Failure Mechanisms During the Epoxy-Coated Bearing Steel–Steel and Uncoated Bearing Steel–Steel Interactions (Crack Formation, Surface Tears, Schallamach-like Waves) and Their Corrosion Resistance in NaCl Environment. Journal of Bio- and Tribo-Corrosion 10(4), 84 (2024). DOI: 10.1007/s40735-024-00887-5 (Scopus).	30 p	30,00
37.	Bhaumik S., Krishna B.A., Paleu V., Choudhury N.D. – Investigating the Fretting of Steel Surfaces in the Presence of Hybrid Anti-Fretting Paste Containing Talc-Graphite-hBN-Molybdenum Disulfide Solid Lubricants. Journal of Bio- and Tribo-Corrosion 10(4), 90 (2024) (Scopus).	30 p	30,00
38.	Macovei G., Paleu V.* – A Review on Tribological Behaviour of 3D Printed Mechanical Components. Buletinul Institutului Politehnic din Iași, Secția Construcții de Mașini 68(3), 41–56 (2022). DOI: 10.2478/bipcm-2022-0024.	30 p	30,00
39.	Lăpușteanu A., Paleu V.* – A Review on Treating Tribological Problems with Fractals. Buletinul Institutului Politehnic din Iași, Secția Construcții de Mașini 68(2), 61–71 (2022). DOI: 10.2478/bipcm-2022-0015.	30 p	30,00
40.	Saviuc A., Paleu V., Lăpușteanu A., Petrescu T.C. – Non-Linear Friction-Type Behaviors in Liquid Crystals in a Multifractal Paradigm of Motion. Memoirs of the Scientific Sections of the Romanian Academy, Tome XLV, 161–180 (2022) (DOAJ).	30 p	30,00
41.	Ianuș G., Munteanu C., Măluțan T., Marian G., Ciolacu F., Paleu V., Istrate B. – Morphological and microstructural aspects of some specific vegetal biomass and their structural components. Tehnomus Journal (2021) – The 21st International Scientific Conference TEHNOMUS, Suceava, 11–13.11.2021.	30 p	30,00
42.	Citări în alte reviste indexate WoS (fără FI) sau BDI; capitole de carte, fără autocitări, în perioada 01.10.2021 – 30.09.2026 – 66 citări; lista – Anexa 2.1.	66 × 10 p	660,00
Total C3			930,00

Nr.	Realizarea	Calculul punctajului	Puncte
C4 – Lucrări publicate sau citate în volumele conferințelor internaționale indexate WoS			
43.	Macovei G., Paleu V.* – A review on tribological behaviour of mechanical components obtained by additive manufacturing. IOP Conference Series: Materials Science and Engineering 1262(1), 012010 (2022). DOI: 10.1088/1757-899X/1262/1/012010 (ACME 2022).	20 p	20,00
44.	Lăpușteanu A., Agop M., Paleu V.* – Fractal dimension in tribology – an overview. IOP Conference Series: Materials Science and Engineering 1262(1), 012009 (2022). DOI: 10.1088/1757-899X/1262/1/012009 (ACME 2022).	20 p	20,00
45.	Zamă A., Olaru D., Paleu V.* – New applications for shape memory alloys in angular-contact ball bearings preloading systems. IOP Conference Series: Materials Science and Engineering 1235(1), 012057 (2022). DOI: 10.1088/1757-899X/1235/1/012057 (IManEE 2021).	20 p	20,00
46.	Citări în volume ale conferințelor internaționale indexate WoS, fără autocitări, în perioada 01.10.2021 – 30.09.2026 – 1 citare; lista – Anexa 2.1.	1 × 5 p	5,00
Total C4			65,00
C5 – Lucrări publicate sau citate în volume ale manifestărilor științifice internaționale indexate BDI			
47.	Șutic A.-T., Panaghie C., Paleu V., Cimpoeșu R., Roman A.-M., Coteață M., Andrușcă L., Bădărău G., Paraschiv P., Cimpoeșu N. – Wear resistance of as-cast ZnMg-Y biodegradable alloy. Innovative Manufacturing Engineering and Energy – IManEE 2024, Materials Research Proceedings 46, 252–259 (2024). DOI: 10.21741/9781644903377-33 (Scopus, Inspec).	10 p	10,00
48.	Chiuariu D.A., Babaliga M.O., Paleu V. – TIE-M Plus: Alignment of Higher Education with Labor Market Demands. 2024 IEEE 30th International Symposium for Design and Technology in Electronic Packaging (SIITME), Sibiu, pp. 87–90 (2024). DOI: 10.1109/SIITME63973.2024.10814817 (IEEE Xplore, Scopus).	10 p	10,00
49.	Citări în volume ale manifestărilor internaționale indexate BDI, fără autocitări, în perioada 01.10.2021 – 30.09.2026 – 22 citări; lista – Anexa 2.1.	22 × 3 p	66,00
Total C5			86,00
C7 – Lucrări publicate în volume ale manifestărilor științifice din țară, cu participare internațională, fără indexare BDI			
50.	Luca D., Popa G., Luca L.-D., Paleu V. – Assembly strategies for threaded fasteners. The 8th International Conference of the Doctoral School (CSD 2025), Universitatea Tehnică „Gheorghe Asachi” din Iași, 14–16.05.2025 – Book of Abstracts.	5 p	5,00
51.	Popa G., Luca D., Paleu V. – Exploring the hyperelastic behavior of EPDM rubber springs: a comprehensive analysis. The 7th International Conference of the Doctoral School, Universitatea Tehnică „Gheorghe Asachi” din Iași, mai 2024.	5 p	5,00
52.	Zamă A., Paleu V.*, Olaru D. – Numerical modelling of the sliding speeds and friction torque while considering the centrifugal effects in angular contact ball bearings. The 5th International Conference of the Doctoral School, Universitatea Tehnică „Gheorghe Asachi” din Iași, mai 2022.	5 p	5,00
Total C7			15,00
C11 – Prezentarea de lucrări la conferințe și congrese internaționale			
53.	IManEE 2021 – The 25th Innovative Manufacturing Engineering & Energy International Conference, Iași, 21–23.10.2021 (lucrarea Zamă, Olaru, Paleu – IOP Conf. Ser.: MSE 1235, 012057).	50 p / conferință internațională	50,00
54.	TEHNOMUS XXI – The 21st International Scientific Conference, Universitatea „Ștefan cel Mare” din Suceava, 11–13.11.2021 (plenary speaker – conferință plenară, fără publicare în volum: Paleu V., Ianuș G. – Charting new research directions in the field of roller and ball bearings).	50 p / conferință internațională	50,00
55.	The 5th International Conference of the Doctoral School, TUIASI, mai 2022 (lucrările Macovei & Paleu; Lăpușteanu & Paleu; Zamă, Paleu, Olaru; Osoeanu, Chicet, Paleu, Bejinariu).	50 p / conferință internațională	50,00
56.	Seminarul teoretico-practic cu participare internațională „Realizări și perspective în folosirea biomasei vegetale indigene în scopuri energetice”, Universitatea Agrară de Stat din Moldova, Chișinău, 19–20.05.2022 (prezentarea Paleu V. – Rolul calității biomasei în asigurarea performanțelor biocombustibililor solizi densificați).	50 p / conferință internațională	50,00

Nr.	Realizarea	Calculul punctajului	Puncte
57.	ACME 2022 – The 10th International Conference on Advanced Concepts in Mechanical Engineering, Iași, 09–10.06.2022 (lucrările Lăpușteanu, Agop, Paleu; Macovei, Paleu – IOP Conf. Ser.: MSE 1262).	50 p / conferință internațională	50,00
58.	IManEE 2023 – The 27th Innovative Manufacturing Engineering & Energy Conference, Chișinău, 12–14.10.2023 (lucrările Șmadici & Paleu; Macovei, Stamate, Paleu).	50 p / conferință internațională	50,00
59.	ROTRIB'24 – The 15th International Conference on Tribology, București, 18–20.04.2024 (lucrările Zamă, Paleu, Ianuș; Macovei, Benchea, Paleu).	50 p / conferință internațională	50,00
60.	The 7th International Conference of the Doctoral School, TUIASI, mai 2024 (lucrarea Popa, Luca, Paleu).	50 p / conferință internațională	50,00
61.	ACME 2024 – The 11th International Conference on Advanced Concepts in Mechanical Engineering, Iași, 06–07.06.2024 (lucrarea Șmadici, Tufescu, Paleu).	50 p / conferință internațională	50,00
62.	IManEE 2024 – Innovative Manufacturing Engineering and Energy (lucrarea Șutic et al. – Materials Research Proceedings 46).	50 p / conferință internațională	50,00
63.	IEEE SIITME 2024 – The 30th International Symposium for Design and Technology in Electronic Packaging, Sibiu, 16–19.10.2024 (lucrarea Chiuariu, Babaliga, Paleu).	50 p / conferință internațională	50,00
64.	AMMA 2025 – The 2nd International Conference on Advancements in Materials, Manufacturing & Automation, Amrita School of Engineering, Chennai (India), 02–03.04.2025 (Invited Talk: Zamă A., Paleu V.).	50 p / conferință internațională	50,00
65.	CSD 2025 – The 8th International Conference of the Doctoral School, TUIASI, 14–16.05.2025 (lucrarea Luca, Popa, Luca, Paleu).	50 p / conferință internațională	50,00
Total C11			650,00
C12 – Brevete de invenție (invenții premiate cu aur; descrieri înregistrate)			
66.	Invenția „Device for Determining Optimal Preload of Bearings with Shape Memory Alloy Modules” (Zamă A., Paleu V.; cererea de brevet A/00786/13.12.2024) – EUROINVENT 2026 – European Exhibition of Creativity and Innovation, ed. a 18-a, Iași, 28–30.05.2026 – Gold Medal (diplomă din 30.05.2026).	100 p (medalie de aur)	100,00
67.	Invenția „Device for Determining Optimal Preload of Bearings with Shape Memory Alloy Modules” (Zamă A., Paleu V.; cererea de brevet A/00786/13.12.2024) – JDIE 2026 – Japan Design, Idea & Invention Expo, Osaka (Japonia), 3–4.07.2026 – Gold Medal.	100 p (medalie de aur)	100,00
68.	Invenția „Device for Determining Optimal Preload of Bearings with Shape Memory Alloy Modules” (Zamă A., Paleu V.; cererea de brevet A/00786/13.12.2024) – iCAN 2026 – International Invention Innovation Competition in Canada, ed. a 11-a, Toronto, 29.08.2026 – Gold Medal.	100 p (medalie de aur)	100,00
69.	Cerere de brevet de invenție (descriere înregistrată) nr. A/00786/13.12.2024 – „Dispozitiv pentru determinarea pretensionării optime a rulmenților cu module realizate din aliaje cu memoria formei”, autori Zamă A., Paleu V.	50 p / descriere	50,00
Total C12			350,00
C13 – Programe din fonduri europene			
70.	Proiectul TEGAS – „Dezvoltarea și realizarea unei instalații inovatoare destinată implementării unei tehnologii avansate de acoperire cu straturi subțiri pentru fabricarea unor geamuri cu eficiență energetică sporită”, ADR Nord-Est PR/NE/P1/RSO1.1_RSO1.3/1, cod SMIS 338197, contract nr. 731/2025 (valoare proiect 1.505.707,20 lei); director: conf. dr. ing. Ana Tufescu; membru (echipa: directorul + 13 membri). Valori încasate de TUIASI: 221.744,64 lei (2025) + 493.107,61 lei (2026) = 714.852,25 lei; regie 20 %: 44 348,93 lei / 5,04 + 98 621,52 lei / 5,19 = 27 801,61 EUR; proiect încheiat în 2026 (Adeverința nr. 42854/19.10.2026, Direcția Management și Monitorizare Proiecte, TUIASI).	27 801,61 EUR × 40 % / 13 membri (fără director) = 855,43 EUR; 855,43 × 15 p / 100 EUR	128,31
71.	Proiectul RO-MD 2SOFT/1.2/44/2020 – „Improving the quality of solid biofuels produced from raw material collected from both sides of Prut river”, Joint Operational Programme Romania – Republic of Moldova 2014–2020 (finanțare UE), 2020–2022; TUIASI project manager: conf. dr. ing. Gelu Ianuș; membru (echipa: managerul de proiect + 13 membri). Valori încasate de TUIASI: 469.461,34 lei (Adeverința nr. 42854/19.10.2026, Direcția Management și Monitorizare Proiecte, TUIASI); achiziții 29.364,44 EUR + regie 6.438 EUR = 35.802,44 EUR.	35 802,44 EUR × 40 % / 13 membri (fără director) = 1 101,61 EUR; 1 101,61 × 15 p / 100 EUR	165,24
Total C13			293,55

Nr.	Realizarea	Calculul punctajului	Puncte
C14 – Granturi naționale			
72.	Grantul intern GI/P8/2021 (TUIASI) – „Grant pentru susținerea capacității de publicare”; director: acad. prof. Corneliu Munteanu; membri: V. Paleu, B. Istrate. Valoare încasată 44.999,51 lei (2021; Adeverința nr. 42854/19.10.2026, Direcția Management și Monitorizare Proiecte, TUIASI); materiale + regie 57,5 % = 25 874,72 lei / 4,92 = 5 259,09 EUR.	5 259,09 EUR × 40 % / 2 membri (fără director) = 1 051,82 EUR; 1 051,82 × 10 p / 100 EUR	105,18
73.	Proiectul PN IV 24PCBROMD/2025 (PN-IV-PCB-ROMD-2024-0336) – „Creșterea durabilității în utilizare prin acoperirea termică a părților active (partea principală și partea anterioară) cu straturi metalice și ceramice ale plugului agricol reversibil”, 2025–2027; director: prof. dr. ing. Corneliu Munteanu; membru (echipa: directorul + 16 membri) (Adeverința nr. 42854/19.10.2026, Direcția Management și Monitorizare Proiecte, TUIASI). Achiziții 153.000 lei + regie 41.167 lei (sume deja realizate) = 194.167 lei / 5,04 = 38 525,20 EUR.	38 525,20 EUR × 40 % / 16 membri (fără director) = 963,13 EUR; 963,13 × 10 p / 100 EUR	96,31
Total C14			201,49
C15 – Contracte de cercetare			
74.	Contractul de cercetare cu agent economic nr. 25212/2020 – „Program in Materials, Additive and Manufacturing and Multiscale Materials Engineering (3ME)” (subcontract TUIASI 25212-504141, ARL Cooperative Agreement W911NF-20-2-0024 – „Cold spray coatings”, Northeastern University, Boston); director: acad. prof. dr. ing. Corneliu Munteanu; membru (echipa: directorul + 7 membri). Valori încasate (2021): 106.567,50 + 332.032,50 = 438.600,00 lei (Adeverința nr. 42854/19.10.2026, Direcția Management și Monitorizare Proiecte, TUIASI); materiale 50 % + regie 15 % = 285 090,00 lei / 4,92 = 57 945,12 EUR.	57 945,12 EUR × 40 % / 7 membri (fără director) = 3 311,15 EUR; 3 311,15 × 10 p / 100 EUR	331,12
Total C15			331,12
C16 – Premii obținute pe lucrări de cercetare științifică			
75.	Premiu UEFISCDI (premierea rezultatelor cercetării – articole) PN-IV-P2-2.3-PRECISI-2023-74585, lucrarea Munteanu C. et al., Materials 14(23), 7322 (2021), 7 autori.	40 p / 7 autori	5,71
76.	Premiu UEFISCDI (premierea rezultatelor cercetării – articole) PN-IV-P2-2.3-PRECISI-2023-69669, lucrarea Bhaumik S., Paleu V. et al., Materials 15(23), 8445 (2022), 8 autori.	40 p / 8 autori	5,00
77.	Premiu UEFISCDI (premierea rezultatelor cercetării – articole) PN-IV-P2-2.3-PRECISI-2023-70893, lucrarea Kumar S. et al., Materials 15(24), 9002 (2022), 5 autori.	40 p / 5 autori	8,00
78.	Premiu UEFISCDI (premierea rezultatelor cercetării – articole) PN-IV-P2-2.3-PRECISI-2023-74091, lucrarea Ciolacu F. et al., Forests 13(3), 405 (2022), 9 autori.	40 p / 9 autori	4,44
79.	Premiu UEFISCDI (premierea rezultatelor cercetării – articole) PN-IV-P2-2.3-PRECISI-2023-75228, lucrarea Marian G. et al., Agronomy 12(9), 2018 (2022), 11 autori.	40 p / 11 autori	3,64
Total C16			26,79
C17 – Organizarea unor manifestări științifice în cadrul Universității Tehnice, cu participare internațională			
80.	Co-Chairman – ACME 2022, The 10th International Conference on Advanced Concepts in Mechanical Engineering, Facultatea de Mecanică, Iași, 09–10.06.2022 (chairman de secțiune).	200 p (Chairman)	200,00
81.	Chairman – ACME 2024, The 11th International Conference on Advanced Concepts in Mechanical Engineering, Facultatea de Mecanică, Iași, 06–07.06.2024 (și membru în comitetul științific – la D4).	200 p (Chairman)	200,00
82.	Chairman – CSD 2025, The 8th International Conference of the Doctoral School, TUIASI, 14–16.05.2025 (chairperson, sesiunea 3.6, 15.05.2025).	200 p (Chairman)	200,00
Total C17			600,00
C20 – Recenzor de lucrări (reviste WoS, volume indexate WoS, reviste și volume BDI) – dovezi anexate			
83.	Recenzor, 01.10–31.12.2021: 41 recenzii înregistrate în profilul Web of Science (T-7122-2017), din care 39 pentru reviste WoS și 2 pentru reviste BDI (cca. 5 %). Dovadă din WoS anexată.	39×20 + 2×5	790,00

Nr.	Realizarea	Calculul punctajului	Puncte
84.	Recenzor, 2022: 169 recenzii înregistrate în profilul Web of Science (T-7122-2017), din care 161 pentru reviste WoS și 8 pentru reviste BDI (cca. 5 %); 5 recenzii pentru volume ale conferințelor indexate WoS (ACME 2022 – 5). Dovadă din WoS anexată.	$161 \times 20 + 8 \times 5 + 5 \times 10$	3 310,00
85.	Recenzor, 2023: 123 recenzii înregistrate în profilul Web of Science (T-7122-2017), din care 117 pentru reviste WoS și 6 pentru reviste BDI (cca. 5 %); 4 recenzii pentru volume ale conferințelor indexate WoS. Dovadă din WoS anexată.	$117 \times 20 + 6 \times 5 + 4 \times 10$	2 410,00
86.	Recenzor, 2024: 157 recenzii înregistrate în profilul Web of Science (T-7122-2017), din care 149 pentru reviste WoS și 8 pentru reviste BDI (cca. 5 %); 10 recenzii pentru volume ale conferințelor indexate WoS (ACME 2024 – 5, ROTRIB'24 – 5). Dovadă din WoS anexată.	$149 \times 20 + 8 \times 5 + 10 \times 10$	3 120,00
87.	Recenzor, 2025: 72 recenzii înregistrate în profilul Web of Science (T-7122-2017), din care 68 pentru reviste WoS și 4 pentru reviste BDI (cca. 5 %); 2 recenzii pentru volume ale conferințelor indexate WoS. Dovadă din WoS anexată.	$68 \times 20 + 4 \times 5 + 2 \times 10$	1 400,00
88.	Recenzor, 01.01–30.09.2026: 19 recenzii înregistrate în profilul Web of Science (T-7122-2017), din care 18 pentru reviste WoS și 1 pentru reviste BDI (cca. 5 %). Dovadă din WoS anexată.	$18 \times 20 + 1 \times 5$	365,00
Total C20			11 395,00
TOTAL C			35 379,15

D. Recunoaștere națională și internațională

Nr.	Realizarea	Calculul punctajului	Puncte
D1 – Profesor invitat pentru cursuri sau conferințe la universități sau la firme din străinătate			
1.	Guest of Honor / cuvânt de deschidere a conferinței AMMA 2025, Amrita Vishwa Vidyapeetham, Chennai (India), 02–03.04.2025 (https://www.amrita.edu/events/international-conference-on-advancements-in-materials-manufacturing-automation-2025/).	50 p / activitate	50,00
Total D1			50,00
D4 – Membru în comitete internaționale ale manifestărilor științifice / didactice			
2.	IManEE 2021, Iași (21–23.10.2021) – Scientific Committee.	50 p / comitet	50,00
3.	TEHNOMUS XXI, Universitatea „Ștefan cel Mare” din Suceava (online, 12.11.2021) – Co-Chairman, Section 2 „Applied Mechanics”.	50 p / comitet	50,00
4.	ICAMS 2021 – 2nd International Conference on Advances in Material Science (online, 16–17.12.2021), Technology Research and Innovation Centre și Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar (India) – International Scientific Committee.	50 p / comitet	50,00
5.	FWL – International Conference on Friction, Wear and Lubrication, ASM Chennai Chapter (India), 14–16.10.2022 – Advisory Committee.	50 p / comitet	50,00
6.	ICAME 2022, SRM Institute of Science and Technology (India), 24–26.03.2022 – International Advisory Committee.	50 p / comitet	50,00
7.	ICRMSME 2022, St. Joseph’s Institute of Technology (India), 15–16.07.2022 – comitet științific.	50 p / comitet	50,00
8.	ACME 2022, Iași (09–10.06.2022) – Scientific Committee.	50 p / comitet	50,00
9.	DMSCO 2022, Universitatea Tehnică a Moldovei, Chișinău (19–21.10.2022) – Scientific Committee.	50 p / comitet	50,00
10.	Conferința de închidere a proiectului RO-MD 2SOFT/1.2/44 (4–5.11.2022) – comitet științific.	50 p / comitet	50,00
11.	ICMSME 2023 (online, 19–20.01.2023) – Organizing Committee.	50 p / comitet	50,00
12.	ICAMS 2023 – 2nd International Conference on Advances in Material Science (online, 23–24.02.2023) – International Scientific Committee.	50 p / comitet	50,00
13.	8th Global Webinar on Materials Science and Engineering (22–23.11.2023) – Organizing Committee.	50 p / comitet	50,00
14.	TIE 2024 – Technologies of Interconnections in Electronics, ed. a 33-a, Sibiu (24–27.04.2024) – Technical Committee (Academic Trainers).	50 p / comitet	50,00
15.	ROTRIB'24, București (18–20.04.2024) – Vice-Chair (co-chair).	50 p / comitet	50,00
16.	ROTRIB'24, București (18–20.04.2024) – Scientific Committee.	50 p / comitet	50,00
17.	ACME 2024, Iași (06–07.06.2024) – Scientific Committee.	50 p / comitet	50,00

Nr.	Realizarea	Calculul punctajului	Puncte
18.	Engineering Advances 2024 – First International Conference (online, 12–14.06.2024) – Scientific Committee (https://engineeringadvances.com/scientific_committee.php – link din fișa departamentului 2024 – martie 2025).	50 p / comitet	50,00
19.	ICAMS 2024 – 4th International Conference on Advances in Materials Studies, Pune (India), 17–18.12.2024 – comitet științific.	50 p / comitet	50,00
20.	ICAEEE 2024 – International Conference on Advances in Energy and Environmental Engineering, Pune (India), 17–18.12.2024 – comitet științific.	50 p / comitet	50,00
21.	AMMA 2025, Amrita School of Engineering, Chennai (India), 02–03.04.2025 – Program Committee.	50 p / comitet	50,00
22.	GreenTech Conf 2025 – International Green Technologies Conference, Pune (India), 28–30.04.2025 – Scientific Committee.	50 p / comitet	50,00
23.	Engineering Advances 2025 – Scientific Committee (fișa CSUD 2025, pct. 2.7.5; https://engineeringadvances.com/scientific_committee.php).	50 p / comitet	50,00
24.	23rd TEHNOMUS, Suceava (2025) – Scientific Committee.	50 p / comitet	50,00
25.	ICAMS 2026 – 5th International Conference on Advances in Materials Studies (India), 30–31.01.2026 – Scientific Committee.	50 p / comitet	50,00
26.	ICAEEE 2026 – 2nd International Conference on Advances in Energy and Environmental Engineering (India), 30–31.01.2026 – Scientific Committee.	50 p / comitet	50,00
27.	ACME 2026, Iași (04–05.06.2026) – Scientific Committee.	50 p / comitet	50,00
Total D4			1 300,00
D5 – Membru în colective de redacție sau editor la reviste internaționale			
28.	Academic Editor, revista Signals (MDPI, WoS cu FI) – Special Issue „Machines and Industrial Equipment Fault Diagnosis Based on Signal Analysis” (dec. 2023) (https://www.mdpi.com/journal/signals/special_issues/Fault_Diagnosis_signals).	1 an × 150 p	150,00
29.	Topic Editor, revista Signals (MDPI, WoS cu FI), 2021–2026 (https://www.mdpi.com/journal/signals/topic_editors).	5 ani × 150 p	750,00
30.	Membru permanent în Topical Advisory Panel, revista Signals (MDPI, WoS – ESCI, FI 2,9), din 2021 (https://www.mdpi.com/journal/signals/topical_advisory_panel?search=Paleu).	5 ani × 150 p	750,00
31.	Membru permanent în Reviewer Board, revista Metals (MDPI, WoS cu FI), din 2021 (https://www.mdpi.com/journal/metals/submission_reviewers?search=Paleu).	5 ani × 150 p	750,00
Total D5			2 400,00
D7 – Membru în comisii de doctorat (în țară; în alte țări din Europa)			
32.	Referent oficial – teza drd. Vasile Bulbuc (cond. prof. L.G. Bujoreanu), Facultatea de Știința și Ingineria Materialelor, TUIASI, 09.02.2022.	50 p / comisie (în țară)	50,00
33.	Membru – teza drd. Daniel Corduneanu (cond. prof. C. Nițu), Universitatea Politehnica din București, 2022.	50 p / comisie (în țară)	50,00
34.	Membru – teza drd. D. Guglea (cond. prof. L. Deleanu), Universitatea „Dunărea de Jos” din Galați, 2022.	50 p / comisie (în țară)	50,00
35.	Referent oficial – teza drd. Stelian Cazan (cond. prof. emerit Sp. Crețu), Facultatea de Mecanică, TUIASI, 29.09.2023.	50 p / comisie (în țară)	50,00
36.	Membru – teza drd. Laura Babici (cond. prof. A. Tudor), Universitatea Politehnica din București, 2023.	50 p / comisie (în țară)	50,00
37.	Referent oficial – teza dr. Mihail Alexandrov (cond. prof. V. Goanță), TUIASI, 12.01.2024.	50 p / comisie (în țară)	50,00
38.	Referent oficial – teza dr. Igor Blănari (cond. prof. V. Goanță), TUIASI, 05.04.2024.	50 p / comisie (în țară)	50,00
39.	Referent oficial – teza dr. Bogdan Chiriac (cond. prof. D. Olaru), TUIASI, 11.09.2024.	50 p / comisie (în țară)	50,00
40.	Membru – teza dr. Elena Văăreanu (Sirghie) (cond. prof. I. Muscă), Universitatea „Ștefan cel Mare” din Suceava, 23.09.2024.	50 p / comisie (în țară)	50,00
41.	Membru – teza dr. Cătălin Enescu (cond. prof. T. Cicone), Universitatea Politehnica din București, 30.09.2024.	50 p / comisie (în țară)	50,00
42.	Președinte al comisiei – teza drd. Sergiu-Gabriel Pal (cond. prof. V. Goanță), Facultatea de Mecanică, TUIASI, 22.05.2026.	50 p / comisie (în țară)	50,00

Nr.	Realizarea	Calculul punctajului	Puncte
43.	Președinte al comisiei de cotutelă – teza drd. Laura Babici (cotutelă), Universitat Politècnica de Catalunya (Spania), 2023.	100 p / comisie (alte țări din Europa)	100,00
Total D7			650,00
D10 – Membru ARACIS, CNATDCU			
44.	Membru (lista de rezervă) în CNATDCU, anii universitari 2021–2022 ... 2025–2026.	5 ani × 60 p	300,00
Total D10			300,00
D11 – Membru în UEFISCDI, CNFIS, CCCDI, ACBS			
45.	Membru CNCIS (UEFISCDI), anii universitari 2021–2022 ... 2025–2026.	5 ani × 60 p	300,00
Total D11			300,00
D13 – Comitete de conducere în asociații profesionale; comisii la nivel de facultate / universitate			
46.	Vicepreședinte al Asociației Române de Tribologie (ART) – comitet de conducere, anii universitari 2021–2022 ... 2025–2026.	5 ani × 50 p	250,00
47.	Președinte al Asociației Române de Transmisii Mecanice (ROAMET), Filiala Iași – comitet de conducere, anii universitari 2021–2022 ... 2025–2026.	5 ani × 50 p	250,00
48.	Membru – Comisia de strategie și reformă a Facultății de Mecanică, anul universitar 2022–2023.	10 p	10,00
49.	Membru – Comisia de inventariere a facultății, anii universitari 2021–2022 ... 2025–2026.	5 ani × 10 p	50,00
50.	Membru – Comisia pentru cercurile științifice studențești (inclusiv evaluarea sesiunii OMTPAC), anii universitari 2021–2022 ... 2025–2026.	5 ani × 10 p	50,00
51.	Membru – Comisia de gestiune a facultății, anii universitari 2021–2022 ... 2025–2026.	5 ani × 10 p	50,00
52.	Președinte – Subcomisia pentru evaluarea și asigurarea calității a Facultății de Mecanică (CEAC), din 28.02.2024 (anii universitari 2023–2024 ... 2025–2026).	3 ani × 50 p	150,00
53.	Președinte – Comisia de evaluare și gestionare a riscurilor, Facultatea de Mecanică, anii universitari 2023–2024 ... 2025–2026.	3 ani × 50 p	150,00
54.	Membru – Comisia SCIM (control intern managerial), anii universitari 2023–2024 ... 2025–2026.	3 ani × 10 p	30,00
55.	Membru – Comisia de calitate pe universitate, anii universitari 2023–2024 ... 2025–2026.	3 ani × 10 p	30,00
56.	Membru – Comisia de relații internaționale și de imagine a facultății, anii universitari 2021–2022 ... 2025–2026.	5 ani × 10 p	50,00
57.	Membru – Comisia de etică a facultății, anii universitari 2021–2022 ... 2025–2026.	5 ani × 10 p	50,00
58.	Membru – Comisia de cercetare științifică a facultății, anii universitari 2021–2022 ... 2025–2026.	5 ani × 10 p	50,00
59.	Membru – Comisia de integritate academică, anii universitari 2023–2024 ... 2025–2026.	3 ani × 10 p	30,00
60.	Membru – Comisia pe universitate pentru evaluare instituțională, anii universitari 2024–2025 și 2025–2026.	2 ani × 10 p	20,00
61.	Președinte – Comisia pentru analiza dosarelor de acordare a gradăției de merit, Facultatea de Mecanică, anii universitari 2024–2025 și 2025–2026.	2 ani × 50 p	100,00
62.	Membru – Comisia de evaluare a contractelor, anii universitari 2021–2022 ... 2025–2026.	5 ani × 10 p	50,00
63.	Membru – Comisia de contestații la admiterea la doctorat, anii universitari 2023–2024 ... 2025–2026.	3 ani × 10 p	30,00
64.	Membru – Comisia de evaluare a dosarelor pentru titlul de profesor emerit (prof. C. Munteanu, prof. P.D. Bărsănescu).	10 p	10,00
65.	Membru – Comisia de contestații la angajarea pe postul de inginer de sistem (2024).	10 p	10,00
66.	Membru – Comisia de contestații la angajarea pe postul de secretar al prorectoratului didactic (2025).	10 p	10,00
67.	Membru – Comisia de contestații la încadrarea pe postul de tehnician rețea (2025).	10 p	10,00
Total D13			1 440,00

Nr.	Realizarea	Calculul punctajului	Puncte
D14 – Conducător de doctorat – doctorate susținute			
68.	Conducător de doctorat – teza „Cercetări teoretice și experimentale privind reducerea frecării în rulmenții radiali-axiali cu bile”, dr. ing. Andrei Zamă, susținută public la 01.09.2025 (Facultatea de Mecanică, TUIASI).	100 p / doctorat susținut	100,00
Total D14			100,00
D15 – Membru în comisii de doctorat și abilitare; comisii pentru concursuri pe posturi academice			
69.	Comisii de doctorat (îndrumare, referate / proiecte de cercetare, presusținere), 2022 – 12 comisii (fișa de autoevaluare CSUD 2022, pct. 3.3.2 și 3.5): 1. Mistreanu Sebastian (prof. N. Cimpoeșu) – proiect, 20.09.2022; 2. Osoianu Cătălin (prof. C. Bejinariu) – proiect, 21.09.2022; 3. Velniciuc (prof. C. Bujoreanu) – 22.09.2022; 4. Pinzaru Valerian (prof. C. Bujoreanu) – proiect; 5. Dragomir (prof. Sp. Crețu) – referat; 6. îndrumare: Iordache Constantin-Răzvan; 7. Popescu Andrei; 8. Cojocaru Denis; 9. Oprișan Cezara-Măriuca; 10. Cristișor Daniel; 11. Năstasă Oana; 12. Cazan Stelian.	12 comisii × 20 p	240,00
70.	Comisii de doctorat (îndrumare, referate / proiecte de cercetare, presusținere), 2023 – 20 comisii (fișa CSUD 2023, pct. 3.3.2: „20 de comisii”; evaluarea CD 2023, Facultatea de Mecanică): 1. presusținere: Cazan Stelian (prof. Sp. Crețu); 2. Arton (Iovan-Dragomir) Alina (prof. Sp. Crețu); 3. Iordache Constantin-Răzvan; 4. referate: Epure Cristian; 5. Farcaș Mădălin; 6. Deleu Grigorii (prof. C. Munteanu); 7. Osoianu Cătălin (prof. C. Bejinariu) – referat 1, apr. 2023; 8. îndrumare: Oprișan Cezara-Măriuca; 9. Chiriac Bogdan (prof. D. Olaru); 10. Pinzaru Valerian (prof. C. Bujoreanu); 11. Cristișor Daniel (prof. C. Munteanu); 12. Mistreanu Sebastian (prof. N. Cimpoeșu); 13. Velniciuc (prof. C. Bujoreanu);	20 comisii × 20 p	400,00
71.	Comisii de doctorat (îndrumare, referate / proiecte de cercetare, presusținere), 2024 – 20 comisii (fișa CSUD 2024, pct. 3.3.2: „20 de comisii”): 1. presusținere: Oprișan Cezara-Măriuca; 2. Chiriac Bogdan (prof. D. Olaru); 3. Pinzaru Valerian (prof. C. Bujoreanu); 4. îndrumare / referate: Cristișor Daniel; 5. Epure Cristian; 6. Farcaș Mădălin; 7. Deleu Grigorii (prof. C. Munteanu); 8. Osoianu Cătălin (prof. C. Bejinariu); 9. Mistreanu Sebastian (prof. N. Cimpoeșu); 10. Velniciuc (prof. C. Bujoreanu); etc.	20 comisii × 20 p	400,00
72.	Comisii de doctorat (îndrumare, referate / proiecte de cercetare, presusținere), 2025 – 22 comisii (fișa CSUD 2025, pct. 3.3.2: „22 comisii, inclusiv 2 în India, AMRITA”): 1. presusținere: Epure Cristian (prof. C. Munteanu); 2. îndrumare: Diaconu Alin Ștefan; 3. Ciobanu Cristian George (prof. I. Doroftei); 4. (prof. M. Benchea); 5. Mayank Srivastava (Amrita Vishwa Vidyapeetham, India); 6. (Amrita, India); 7. Cristișor Daniel; 8. Farcaș Mădălin; 9. Deleu Grigorii (prof. C. Munteanu); 10. Osoianu Cătălin (prof. C. Bejinariu); 11. Mistreanu Sebastian (prof. N. Cimpoeșu); 12. Velniciuc (prof. C. Bujoreanu);	22 comisii × 20 p	440,00
73.	Comisii de doctorat (îndrumare, referate / proiecte de cercetare, presusținere), 2026 (ian.–sept.) – 10 comisii: 1. proiect de cercetare: Bujor Adrian-Cristian, 23.09.2026; 2. presusținere: Cristișor Daniel (prof. C. Munteanu); 3. Dascălu Anișoara – septembrie 2026; 4. îndrumare: (prof. I. Muscă, USV); 5. (prof. C. Munteanu); 6. (prof. B. Istrate); 7. Diaconu Alin Ștefan; 8. Ciobanu Cristian George (prof. I. Doroftei); 9–10. Prof Cimpoeșu	10 comisii × 20 p	200,00
74.	Membru în comisia de abilitare – prof. Sandu Rădulescu, Universitatea Politehnica din București, 2024.	20 p / comisie	20,00
75.	Membru în comisia de abilitare – Victor Marian, Universitatea Politehnica din București, iulie 2026.	20 p / comisie	20,00
76.	Membru în comisia de abilitare – Petrică Turtoi, Universitatea Politehnica din București, 2026.	20 p / comisie	20,00
77.	Ph.D. thesis evaluation panel – S. Vignesh (cond. prof. U. Mohammed Iqbal), SRM Institute of Science and Technology (India), 2022.	20 p / comisie	20,00
78.	Ph.D. thesis evaluation panel – Say Krishna (cond. prof. S. Bhaumik), Amrita Vishwa Vidyapeetham (India), 2022.	20 p / comisie	20,00
79.	Ph.D. thesis evaluation panel – Senthil Kumar M. (cond. dr. A. Elayaperumal), Anna University, Chennai (India), 26.03.2025.	20 p / comisie	20,00
80.	Ph.D. thesis– Keerthivasan R., Anna University, Chennai (India), 2025.	20 p / comisie	20,00
81.	Ph.D. thesis – Karthikeyan M., Anna University, Chennai (India), 2025.	20 p / comisie	20,00
82.	Comisiile de concurs pentru 3 posturi de asistent pe perioadă determinată (Măriuca Oprișan, Bogdan Chiriac, Andrei Popescu), oct. 2021.	3 comisii × 20 p	60,00
83.	Comisia de concurs – asistent (Ștefan Grigorean), Departamentul IMMR, 2022.	20 p / comisie	20,00

Nr.	Realizarea	Calculul punctajului	Puncte
84.	Comisia de concurs – asistent (Andrei Popescu), Depart. IMMR, 2022–2023.	20 p / comisie	20,00
85.	Comisia de concurs – conferențiar (Stamate), 2023.	20 p / comisie	20,00
86.	Comisia de concurs – șef de lucrări (Ștefan Lupescu), Universitatea „Ștefan cel Mare” din Suceava, 2024.	20 p / comisie	20,00
87.	Comisia de concurs – conferențiar (Nicolae Stoica), Universitatea Politehnica din București, 2024.	20 p / comisie	20,00
88.	Comisia de concurs – șef de lucrări (Andrei Popescu), Dept. IMMR, 2024–2025.	20 p / comisie	20,00
89.	Comisia de concurs – șef de lucrări, poz. 23 (Ștefan Grigorean), Departamentul IMMR, 2024–2025.	20 p / comisie	20,00
90.	Comisia de concurs – conferențiar (Spînu), Universitatea „Ștefan cel Mare” din Suceava, 2025.	20 p / comisie	20,00
91.	Președinte – comisia de analiză a dosarelor pentru încadrarea asistenților pe perioadă determinată, 2025.	20 p / comisie	20,00
92.	Membru – comisia de analiză pe universitate a contestațiilor la concursurile pentru posturi didactice, 2025.	20 p / comisie	20,00
Total D15			2 100,00
D16 – Funcții de conducere			
93.	Prodecan – activitatea de cercetare și calitate, Facultatea de Mecanică, anii universitari 2024–2025 și 2025–2026.	2 ani × 80 p	160,00
94.	Membru în Biroul de conducere a Facultății de Mecanică (BCF), anii universitari 2024–2025 și 2025–2026.	2 ani × 50 p	100,00
95.	Membru al Consiliului Facultății de Mecanică, anii universitari 2021–2022 ... 2025–2026 (inclusiv legislatura 2024–2029, HS nr. 368/25.10.2024).	5 ani × 50 p	250,00
Total D16			510,00
D17 – Distincții obținute (pe întreaga activitate)			
96.	Top Peer Reviewer Award in Cross-Field – Web of Science Group / Publons (septembrie 2019).	50 p (alte distincții)	50,00
97.	2021 Outstanding Reviewer Award – revista Machines (MDPI), acordat la 30.03.2022.	50 p (alte distincții)	50,00
98.	IOP Trusted Reviewer – IOP Publishing (septembrie 2023, Credential ID 81719065).	50 p (alte distincții)	50,00
99.	Teză de doctorat cu distincția Magna Cum Laude (2002).	50 p (alte distincții)	50,00
Total D17			200,00
TOTAL D			9 350,00

Total Criteriul 2 (C + D): 44 729,15 puncte

E2 – Recunoașterea altor activități desfășurate în departament (punctaj la dispoziția directorului de departament; nu este inclus în totalul de mai jos): Responsabil Sănătate și securitate în muncă (SSM), Departamentul IMMR, 2021–2026; Responsabil Prevenirea și stingerea incendiilor (PSI), Departamentul IMMR, 2021–2026.

Recapitulație

Secțiunea din fișă	Puncte
A. Contribuții la modernizarea bazei materiale pentru activități didactice	2 857,90
B. Activități cu studenții	6 450,00
C. Activitatea de cercetare științifică	35 379,15
D. Recunoaștere națională și internațională	9 350,00
E. Recunoaștere în facultate (E1, E2 – punctaj la dispoziția decanului / directorului de departament)	–
TOTAL (A + B + C + D)	54 037,05

La C13–C15, 60 % din cheltuielile materiale revin directorului, iar 40 % se împart în mod egal membrilor echipei, fără director (nota 3 din fișă); valorile încasate sunt cele din Adeverința nr. 42854/19.10.2026 a Direcției Management și Monitorizare Proiecte, TUIASI.

Semnătura

Data 20.10.2026

Anexa 2.1 – Citările luate în calcul la codurile C2–C5 (fără autocitări), 01.10.2021 – 30.09.2026

Lista finală a autorului (20.10.2026), întocmită din exporturile Web of Science și Scopus și din anexa de citări a fișei CSUD 2024; fiecare lucrare care citează apare o singură dată pentru fiecare lucrare citată. Cat.: C2 – revistă cu factor de impact (JCR); C3 – revistă indexată WoS fără factor de impact sau BDI, capitol de carte; C4 – volum de conferință indexat WoS; C5 – volum de conferință indexat BDI.

Nr.	Lucrarea care citează	Cat.	Puncte
Lucrarea citată nr. 1: Nelias, D., Bercea, I., Paleu, V., Prediction of Roller Skewing in Tapered Roller Bearings, Tribology Transactions, Volume 51, Issue 2, pp 128 – 139, 2008, DOI: 10.1080/10402000701730486, I.S.I., I.F. =1,511			
1.	Shafiee, A; Russell, T; Sadeghi, F; Wilmer, MG. Analytical Investigation of Roller Skew and Tilt in a Spherical Roller Bearing. JOURNAL OF TRIBOLOGY-TRANSACTIONS OF THE ASME, vol. 144(7), art. 71201. Data: JUL 1 2022. DOI: 10.1115/1.4053354	C2	30
2.	Questa, H; Mohammadpour, M; Theodossiades, S; Garner, CP et al.. Tribodynamic Modelling of High-Speed Rolling Element Bearings in Flexible Multi-Body Environments. MACHINES, vol. 11(1), art. 93. Data: JAN 2023. DOI: 10.3390/machines11010093	C2	30
3.	Kim, T; Suh, J; Lee, J; Lee, B et al.. Fatigue life prediction of double-row tapered roller bearings considering thermal effect. ADVANCES IN MECHANICAL ENGINEERING, vol. 15(2), art. 16878132231154100. Data: FEB 2023. DOI: 10.1177/16878132231154099	C2	30
4.	Ma, SJ; Yin, YJ; Chen, F; Fang, B et al.. A Generalized Bearing Dynamic with Adaptive Variation of Equation Numbers and Sliding Behavior Investigation. LUBRICANTS, vol. 11(3), art. 96. Data: MAR 2023. DOI: 10.3390/lubricants11030096	C2	30
5.	Shafiee, A; Russell, T; Lorenz, SJ; Sadeghi, F et al.. Optical Measurement of Roller Slip, Tilt, and Skew in a Spherical Roller Bearing. JOURNAL OF TRIBOLOGY-TRANSACTIONS OF THE ASME, vol. 145(4), art. 44302. Data: APR 1 2023. DOI: 10.1115/1.4056363	C2	30
6.	Pei, X; Yang, WY. Investigation of the misalignment and modification for crown roller contacts under mixed lubrication. PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY, vol. 237(11), pp. 2098–2111. Data: NOV 2023 (online SEP 2023). DOI: 10.1177/13506501231201692	C2	30
7.	Zhao, ZX; Wang, X; Hou, Y. Measuring the Roller Skew Angle in the Loading Zone of a Cylindrical Roller Bearing With Strain Gauges for Long-Term Monitoring. JOURNAL OF TRIBOLOGY-TRANSACTIONS OF THE ASME, vol. 146(2), art. 24301. Data: FEB 1 2024. DOI: 10.1115/1.4063211	C2	30
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Lucrarea citată nr. 3: <i>Paleu, V., Nelias, D., On Kerosene Lubrication of Hybrid Ball Bearings, prezentata la conferinta DIPRE '07, Galati, 26-27 oct. 2007, republicata in The Annals of "Dunarea de Jos" University of Galati, Fascicle VIII, Tribology, ISSN 1221-4590, pp. 123-129, 2007, B.D.I.</i>			
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Lucrarea citată nr. 7: <i>Bhaumik, S., Paleu, V., Pathak, R., Maggirwar, R., Katiyar, J.K., Sharma, A.K., (2019) Tribological investigation of additivated biodegradable cashew nut shells liquid as an alternative industry lubricant, Tribology International, Volume 135, Pages 500-509, https://doi.org/10.1016/j.triboint.2019.03.007, I.F. = 4.271</i>			
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Nr.	Lucrarea care citează	Cat.	Puncte
41.	Salih, N; Salimon, J. A Review on Eco-Friendly Green Biolubricants from Renewable and Sustainable Plant Oil Sources. BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY, vol. 11(5), pp. 13303–13327. Data: OCT 15 2021. DOI: 10.33263/briac15.1330313327	C3	10
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51.	Prasannakumar, P; Sankarannair, S; Bose, C; Santhakumari, R et al.. Influence of techniques on synthesizing cashew nut shell oil as a prospective biolubricant on its physicochemical, tribological, and thermal behaviors. JOURNAL OF CLEANER PRODUCTION, vol. 401, art. 136717. Data: MAY 15 2023 (online MAR 2023). DOI: 10.1016/j.jclepro.2023.136717	C2	30
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53.	Ouyang, TC; Tang, WT; Lei, WW; Cheng, L. Tribological and Friction-Induced Vibration Behaviors of Inorganic Fullerene-Like Tungsten Disulfide and Three-Dimensional Graphene as Lubricant Additives. JOURNAL OF TRIBOLOGY-TRANSACTIONS OF THE ASME, vol. 145(3), art. 31701. Data: MAR 1 2023. DOI: 10.1115/1.4056040	C2	30
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66.	Veeramanoharan, A; Kim, SC; Lee, G. Application of cashew nut shell liquid as a green oilfield chemical: A state-of-the-art review. MATERIALS TODAY SUSTAINABILITY, vol. 32, art. 101268. Data: DEC 2025 (online NOV 2025). DOI: 10.1016/j.mtsust.2025.101268	C2	30
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Total: 335 citări – C2: 246 × 30 p; C3: 66 × 10 p; C4: 1 × 5 p; C5: 22 × 3 p = 8 111 p			

Semnătura 

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