

FIȘA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE PENTRU SUSȚINEREA TEZEI DE ABILITARE

Candidat: **Dimitrie-Matei-Damian RAICOPOL**

Departamentul de Chimie Organică "Costin Nenițescu"

Facultatea de Inginerie Chimică și Biotehnologii

Condiții	Îndeplinire condiții	
A. Doctor	Diplomă de Doctor în domeniul Chimie, nr. 198 din 16.11.2012 emisă de Universitatea POLITEHNICA din București în baza Ordinului nr. 6149 din 07.11.2012 emis de Ministerul Educației, Cercetării, Tineretului și Sportului	
B. Îndeplinirea standardelor minime aprobate conform art. 156 alin. (1) lit. (a) din Legea Învățământului Superior nr. 199/2023	Standarde indeplinite , conform Comisiei CNATDCU nr 8 - Inginerie Chimică, Inginerie Medicală, Știința Materialelor și Nanomateriale Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate: Subanexele 4d-B1, 4d-B2, 4d-B3, 4d-B4.	
Standarde minime si obligatorii	Minim prevăzut	Realizat
Numărul total de articole în reviste ISI situate în top 25% (zona roșie) în calitate de autor principal - NTOP	≥ 4	10 Subanexa 4d-B1
Numarul de articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență) - NP	≥ 20	25 Subanexa 4d-B2
Factorul de impact cumulat - FIC	≥ 30	110.93 Subanexa 4d-B2
Numarul total de citări (din baza SCOPUS fără autocitări) - NC	≥ 120	512 Subanexa 4d-B3
Numar contracte de cercetare-dezvoltare-inovare obținute prin competiție la nivel național sau internațional, ori contracte cu terți cu valoare peste 10000 Euro	≥ 1 (director/ responsabil proiect)	2 (director proiect) Subanexa 4d-B4
C. Indicatorul de Merit (IM)	Minim prevăzut 80 Profesor / CS I	405 Subanexa4d-C1
D. Atestarea studiilor (diploma + supliment diplomă) și a altor realizări profesionale	Diploma de Licență , în profilul Chimie industrială, specializarea Ingineria și chimia substanțelor organice nr. 197 din 25.10.2006 emisă de Universitatea POLITEHNICA din București. Supliment diplomă Nr. 0002822 Atestare studii psihopedagogice: Certificat de absolvire a programului de formare psihopedagogică , Nr. 1596 din 23.11.2006 Foaie matricolă Nr. 0057796	

Subsemnatul, Dimitrie-Matei-Damian RAICOPOL, Conferențiar Universitar la Departamentul de Chimie Organică "Costin Nenițescu", Facultatea de Inginerie Chimică și Biotehnologii, din Domeniul de Studii Universitare Inginerie chimică, declar pe propria răspundere, cunoscând prevederile art. 326 Cod Penal privind falsul în declarații, că sunt îndeplinite toate Standardele minime prevăzute de Metodologia Universității Naționale de Știință și Tehnologie POLITEHNICA București pentru susținerea Tezei de Abilitare, și susțin veridicitatea informațiilor prezentate în dosar și în materialul de mai sus. Lucrările considerate a fi indexate WoS [ISI] sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la această dată.

Candidat,	Semnătura,	Data,
Conf.Dr.Ing. Dimitrie-Matei-Damian RAICOPOL		01.10.2025

ÎN CONTINUARE: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate la punctul B și Fișa de calcul și de susținere a indicatorului de merit (IM) menționat la punctul C

**FIȘA DE CALCUL ȘI DE SUSȚINERE A ÎNDEPLINIRII STANDARDELOR MINIMALE
 SPECIFICE DOMENIULUI, ÎN ACORD CU REALIZĂRILE MENȚIONATE**

Subanexa 4d-B1
Indicatori de verificare a standardelor NTOP

NTOP număr total de articole în reviste ISI situate în top 25% (zona roșie) în calitate de autor principal (prim autor/autor de corespondență) - la data depunerii dosarului (octombrie 2025)		
Nr.	Publicația cu toate elementele de identificare	FI₂₀₂₄
1	Onaș, A.M.; Pandele, A.M.; Hanganu, A.; Florea, C.V.; Iovu, H.; Raicopol, M.® ; Pilan, L. <i>"Facile preparation of bifunctional monolayers through diazonium grafting and "click" postfunctionalization: A first step towards efficient aptasensing interfaces"</i> <i>Bioelectrochemistry</i> , 2025 , 163, 108904 ISSN: 1567-5394; DOI: 10.1016/j.bioelechem.2025.108904; WOS: 001399643000001 <i>Clasament SCIE*: Q1 11/79 (BIOPHYSICS)</i>	4.5
2	Raicopol, M. ; Hanganu, A.; Samoila, I.; Dinescu, S.; Costache, M.; Balas, M.; Chirita, C.; Seremet, O.C.; Olaru, O.T.; Nicolescu, F.; Nicolescu, T.O.; Garea, S.A.; Ghebaur, A. <i>"PEGylated 5-aminosalicylic acid phospholipid bioconjugate: A novel prodrug designed for colon-targeted delivery"</i> <i>Journal of Drug Delivery Science and Technology</i> , 2024 , 101A, 106188 ISSN: 1773-2247; DOI: 10.1016/j.jddst.2024.106188; WOS: 001347985600001 <i>Clasament SCIE*: Q1 48/352 (PHARMACOLOGY & PHARMACY)</i>	4.9
3	Florea, C.V.; Buică, G.O.; Pandele, M.A.; Onaș, A.M.; Voicu, M.-E.; Hanganu, A.; Tecuceanu, V.; Vasile, G.-G.; Devan, C.; Stan, R.; Raicopol, M.® <i>"Dual-function sensing platform for Hg(II) based on a redox-active thiosemicarbazone receptor"</i> <i>Journal of Electroanalytical Chemistry</i> , 2024 , 961, 118251 ISSN: 1572-6657; DOI: 10.1016/j.jelechem.2024.118251; WOS: 001227014000001 <i>Clasament SCIE*: Q1 25/111 (CHEMISTRY, ANALYTICAL)</i>	4.1
4	Onaș, A.M.; Pandele, A.M.; Hanganu, A.; Florea, C.V.; Marton, G.; Iovu, H.; Raicopol, M.® ; Pilan, L. <i>"Controlled surface functionalization using aryldiazonium salts with bulky protecting groups for the development of DNA-based sensing platforms"</i> <i>Surfaces and Interfaces</i> , 2024 , 46, 103855 ISSN: 2468-0230; DOI: 10.1016/j.surfin.2024.103855; WOS: 001172462200001 <i>Clasament SCIE*: Q1 4/23 (MATERIALS SCIENCE, COATINGS & FILMS)</i>	6.3
5	Onaș, A.M.; Dascălu, C.; Raicopol, M.® ; Pilan, L. <i>"Critical Design Factors for Electrochemical Aptasensors Based on Target-Induced Conformational Changes: The Case of Small-Molecule Targets"</i> <i>Biosensors (Basel)</i> , 2022 , 12, 816 ISSN: 2079-6374; DOI: 10.3390/bios12100816; WOS: 000872227400001 <i>Clasament SCIE*: Q1 18/111 (CHEMISTRY, ANALYTICAL)</i>	5.6
6	M. Raicopol , N.A. Chira, A.M. Pandele, A. Hanganu, A.A. Ivanov, V. Tecuceanu, I.G. Bugean, G.-O. Buica <i>"Electrodes modified with clickable thiosemicarbazone ligands for sensitive voltammetric detection of Hg(II) ions"</i> <i>Sensors and Actuators B: Chemical</i> , 2020 , 313, 128030	7.7

	ISSN: 0925-4005; DOI: 10.1016/j.snb.2020.128030; WOS: 000526287200011 <i>Clasament SCIE*: Q1 6/111 (CHEMISTRY, ANALYTICAL) 8/44 (ELECTROCHEMISTRY)</i>	
7	E. Vasile, A.M. Pandele, C. Andronescu, A. Selaru, S. Dinescu, M. Costache, A. Hanganu, M. Raicopol ®, M. Teodorescu <i>"Hema-Functionalized Graphene Oxide: a Versatile Nanofiller for Poly(Propylene Fumarate)-Based Hybrid Materials"</i> <i>Scientific Reports</i> , 2019 , 9, 18685 ISSN: 2045-2322; DOI: 10.1038/s41598-019-55081-2; WOS: 000501894800001 <i>Clasament SCIE*: Q1 25/135 (MULTIDISCIPLINARY SCIENCES)</i>	3.9
8	M. Raicopol , C. Andronescu, Ș.I. Voicu, E. Vasile, A.M. Pandele <i>"Cellulose acetate/layered double hydroxide adsorptive membranes for efficient removal of pharmaceutical environmental contaminants"</i> <i>Carbohydrate Polymers</i> , 2019 , 214, 204-212 ISSN: 0144-8617; DOI: 10.1016/j.carbpol.2019.03.042; WOS: 000462586900024 <i>Clasament SCIE*: Q1 1/57 (CHEMISTRY, ORGANIC) 2/94 (POLYMER SCIENCE)</i>	12.5
9	M. Raicopol ®, C. Andronescu, R. Atasiei, A. Hanganu, E. Vasile, A.M. Brezoiu, L. Pîlan <i>"Organic layers via aryl diazonium electrochemistry: towards modifying platinum electrodes for interference free glucose biosensors"</i> <i>Electrochimica Acta</i> , 2016 , 206, 226-237 ISSN: 0013-4686; DOI: 10.1016/j.electacta.2016.04.145; WOS: 000376535100026 <i>Clasament SCIE*: Q1 25/135 (ELECTROCHEMISTRY)</i>	5.6
10	M. Raicopol , B. Bălănuță, K. Sliozberg, B. Schlüter, S.A. Gărea, N. Chira, W. Schuhmann, C. Andronescu <i>"Vegetable oil-based polybenzoxazine derivatives coatings on Zn–Mg–Al alloy coated steel"</i> <i>Corrosion Science</i> , 2015 , 100, 386-395 ISSN: 0010-938X; DOI: 10.1016/j.corsci.2015.08.018; WOS: 000363070100036 <i>Clasament SCIE*: Q1 79/460 (MATERIALS SCIENCE, MULTIDISCIPLINARY)</i>	8.5
NTOP		10

Încadrarea publicațiilor este raportată conform Journal Citation Reports (JCR) 2024, la data depunerii dosarului (octombrie 2025; * SCIE - Science Citation Index Expanded)

NP / FIC					
număr articole în reviste ISI la care candidatul este autor principal (prim autor/autor de corespondență) / factorul de impact cumulat - la data depunerii dosarului (octombrie 2025)					
Nr.	Publicația cu toate elementele de identificare	FI ₂₀₂₄	Nr. autori	NP	FIC
1	Onaș, A.M.; Pandele, A.M.; Hanganu, A.; Florea, C.V.; Iovu, H.; Raicopol, M. ®; Pîlan, L. "Facile preparation of bifunctional monolayers through diazonium grafting and "click" postfunctionalization: A first step towards efficient aptasensing interfaces" <i>Bioelectrochemistry</i> , 2025 , 163, 108904 ISSN: 1567-5394; DOI: 10.1016/j.bioelechem.2025.108904; WOS: 001399643000001 <i>Clasament SCIE*: Q1 11/79 (BIOPHYSICS)</i>	4.5	1	DA	4.5
2	Raicopol, M. ; Hanganu, A.; Samoila, I.; Dinescu, S.; Costache, M.; Balas, M.; Chirita, C.; Seremet, O.C.; Olaru, O.T.; Nicolescu, F.; Nicolescu, T.O.; Garea, S.A.; Ghebaur, A. "PEGylated 5-aminosalicylic acid phospholipid bioconjugate: A novel prodrug designed for colon-targeted delivery" <i>Journal of Drug Delivery Science and Technology</i> , 2024 , 101A, 106188 ISSN: 1773-2247; DOI: 10.1016/j.jddst.2024.106188; WOS: 001347985600001 <i>Clasament SCIE*: Q1 48/352 (PHARMACOLOGY & PHARMACY)</i>	4.9	1	DA	4.9
3	Florea, C.V.; Buică, G.O.; Pandele, M.A.; Onaș, A.M.; Voicu, M.-E.; Hanganu, A.; Tecuceanu, V.; Vasile, G.-G.; Devan, C.; Stan, R.; Raicopol, M. ® "Dual-function sensing platform for Hg(II) based on a redox-active thiosemicarbazone receptor" <i>Journal of Electroanalytical Chemistry</i> , 2024 , 961, 118251 ISSN: 1572-6657; DOI: 10.1016/j.jelechem.2024.118251; WOS: 001227014000001 <i>Clasament SCIE*: Q1 25/111 (CHEMISTRY, ANALYTICAL)</i>	4.1	1	DA	4.1
4	Onaș, A.M.; Pandele, A.M.; Hanganu, A.; Florea, C.V.; Marton, G.; Iovu, H.; Raicopol, M. ®; Pîlan, L. "Controlled surface functionalization using aryldiazonium salts with bulky protecting groups for the development of DNA-based sensing platforms" <i>Surfaces and Interfaces</i> , 2024 , 46, 103855 ISSN: 2468-0230; DOI: 10.1016/j.surfin.2024.103855; WOS: 001172462200001 <i>Clasament SCIE*: Q1 4/23 (MATERIALS SCIENCE, COATINGS)</i>	6.3	1	DA	6.3
5	Pandele, A.M.; Șelaru, A.; Dinescu, S.; Costache, M.; Vasile, E.; Dascălu, C.; Raicopol, M. ®; Teodorescu, M. "Synthesis and evaluation of poly(propylene fumarate)-grafted graphene oxide as nanofiller for porous scaffolds" <i>Journal of Materials Chemistry B</i> , 2023 , 11, 8241 ISSN: 2050-750X; DOI: 10.1039/D3TB01232H; WOS: 001046081500001 <i>Clasament SCIE*: Q2 17/55 (MATERIALS SCIENCE, BIOMATERIALS)</i>	5.7	1	DA	5.7

6	Onaş, A.M.; Dascălu, C.; Raicopol, M.@; Pilan, L. <i>"Critical Design Factors for Electrochemical Aptasensors Based on Target-Induced Conformational Changes: The Case of Small-Molecule Targets"</i> <i>Biosensors (Basel)</i>, 2022, 12, 816 ISSN: 2079-6374; DOI: 10.3390/bios12100816; WOS: 000872227400001 <i>Clasament SCIE*: Q1 18/111 (CHEMISTRY, ANALYTICAL)</i>	5.6	1	DA	5.6
7	Raicopol, M.; L. Pilan, L. <i>"The Role of Aryldiazonium Chemistry in Designing Electrochemical Aptasensors for the Detection of Food Contaminants"</i> <i>Materials (Basel)</i>, 2021, 14, 3857 ISSN: 1996-1944; DOI: 10.3390/ma14143857; WOS: 000676428800001 <i>Clasament SCIE*: Q2 71/187 (PHYSICS, APPLIED)</i>	3.2	1	DA	3.2
8	M. Raicopol, A.M. Pandele, C. Dascălu, E. Vasile, A. Hanganu, G.-G. Vasile, I.G. Bugean, C. Părvu, G. Stanciu, G.-O. Buica <i>"Improving the Voltammetric Determination of Hg(II): A Comparison Between Ligand-Modified Glassy Carbon and Electrochemically Reduced Graphene Oxide Electrodes "</i> <i>Sensors (Basel)</i>, 2020, 20, 6799 ISSN: 1424-8220; DOI: 10.3390/s20236799; WOS: 000597546100001 <i>Clasament SCIE*: Q2 38/111 (CHEMISTRY, ANALYTICAL)</i>	3.5	1	DA	3.5
9	M. Raicopol, N.A. Chira, A.M. Pandele, A. Hanganu, A.A. Ivanov, V. Tecuceanu, I.G. Bugean, G.-O. Buica <i>"Electrodes modified with clickable thiosemicarbazone ligands for sensitive voltammetric detection of Hg(II) ions"</i> <i>Sensors and Actuators B: Chemical</i>, 2020, 313, 128030 ISSN: 0925-4005; DOI: 10.1016/j.snb.2020.128030; WOS: 000526287200011 <i>Clasament SCIE*: Q1 6/111 (CHEMISTRY, ANALYTICAL)</i>	7.7	1	DA	7.7
10	E. Vasile, A.M. Pandele, C. Andronescu, A. Selaru, S. Dinescu, M. Costache, A. Hanganu, M. Raicopol®, M. Teodorescu <i>"Hema-Functionalized Graphene Oxide: a Versatile Nanofiller for Poly(Propylene Fumarate)-Based Hybrid Materials"</i> <i>Scientific Reports</i>, 2019, 9, 18685 ISSN: 2045-2322; DOI: 10.1038/s41598-019-55081-2; WOS: 000501894800001 <i>Clasament SCIE*: Q1 25/135 (MULTIDISCIPLINARY SCIENCES)</i>	3.9	1	DA	3.9
11	M. Raicopol, C. Andronescu, Ș.I. Voicu, E. Vasile, A.M. Pandele <i>"Cellulose acetate/layered double hydroxide adsorptive membranes for efficient removal of pharmaceutical environmental contaminants"</i> <i>Carbohydrate Polymers</i>, 2019, 214, 204-212 ISSN: 0144-8617; DOI: 10.1016/j.carbpol.2019.03.042; WOS: 000462586900024 <i>Clasament SCIE*: Q1 1/57 (CHEMISTRY, ORGANIC)</i>	12.5	1	DA	12.5
12	M. Raicopol, C. Dascălu, C. Devan, A.-L. Alexe-Ionescu, G. Barbero <i>"A simple model of ac hopping surface conductivity in ionic liquids"</i> <i>Electrochemistry Communications</i>, 2019, 100, 16-19 ISSN: 1388-2481; DOI: 10.1016/j.elecom.2019.01.010; WOS: 000463344400004 <i>Clasament SCIE*: Q2 16/44 (ELECTROCHEMISTRY)</i>	4.2	1	DA	4.2

13	C. Ott, M. Raicopol®, C. Andronesu, E. Vasile, A. Hanganu, A. Prună, L. Pîlan <i>"Functionalized polypyrrole/sulfonated graphene nanocomposites: Improved biosensing platforms through aryl diazonium electrochemistry"</i> <i>Synthetic Metals</i>, 2018, 235, 20-28 ISSN: 0379-6779; DOI: 10.1016/j.synthmet.2017.11.006; WOS: 000424176500003 Clasament SCIE*: Q2 159/460 (MATERIALS SCIENCE, MULTIDISCIPLINARY)	4.6	1	DA	4.6
14	M. Raicopol®, C. Andronesu, R. Atasiei, A. Hanganu, E. Vasile, A.M. Brezoiu, L. Pîlan <i>"Organic layers via aryl diazonium electrochemistry: towards modifying platinum electrodes for interference free glucose biosensors"</i> <i>Electrochimica Acta</i>, 2016, 206, 226-237 ISSN: 0013-4686; DOI: 10.1016/j.electacta.2016.04.145; WOS: 000376535100026 Clasament SCIE*: Q1 25/135 (ELECTROCHEMISTRY)	5.6	1	DA	5.6
15	M. Raicopol; I. Vlăsceanu; I. Lupulescu; A.M. Brezoiu; L. Pîlan <i>"Amperometric glucose biosensors based on functionalized electrochemically reduced graphene oxide"</i> <i>UPB Scientific Bulletin, Series B</i>, 2016, 78, 131 ISSN: 1454-2331; DOI: -; WOS: 000417052900013 Clasament SCIE*: Q4 228/239 (CHEMISTRY, MULTIDISCIPLINARY)	0.3	1	DA	0.3
16	M. Raicopol, B. Bălănuță, K. Sliozberg, B. Schlüter, S.A. Gârea, N. Chira, W. Schuhmann, C. Andronesu <i>"Vegetable oil-based polybenzoxazine derivatives coatings on Zn-Mg-Al alloy coated steel"</i> <i>Corrosion Science</i>, 2015, 100, 386-395 ISSN: 0010-938X; DOI: 10.1016/j.corsci.2015.08.018; WOS: 000363070100036 Clasament SCIE*: Q1 79/460 (MATERIALS SCIENCE, MULTIDISCIPLINARY)	8.5	1	DA	8.5
17	M. Raicopol, C. Andronesu, R. Atasiei, A. Hanganu, A.M. Manea, I. Rău, F. Kajzar, L. Pîlan <i>"Synthesis of conducting azopolymers by electrochemical grafting of a diazonium salt at polypyrrole electrodes"</i> <i>Synthetic Metals</i>, 2015, 206, 84-91 ISSN: 0379-6779; DOI: 10.1016/j.synthmet.2015.05.006; WOS: 000357548600011 Clasament SCIE*: Q2 159/460 (MATERIALS SCIENCE, MULTIDISCIPLINARY)	4.6	1	DA	4.6
18	M. Raicopol, C. Andronesu, R. Atasiei, A. Hanganu, L. Pîlan <i>"Post-Polymerization Electrochemical Functionalization of a Conducting Polymer: Diazonium Salt Electroreduction at Polypyrrole Electrodes"</i> <i>Journal of the Electrochemical Society</i>, 2014, 161, G103-G113 ISSN: 0013-4651; DOI: 10.1149/2.0871412jes; WOS: 000357617800014 Clasament SCIE*: Q2 21/44 (ELECTROCHEMISTRY)	3.3	1	DA	3.3
19	M. Raicopol, A. Prună, C. Damian, L. Pîlan <i>"Functionalized single-walled carbon nanotubes/polypyrrole composites for amperometric glucose biosensors"</i> <i>Nanoscale Research Letters</i>, 2013, 8, 316 ISSN: 1931-7573; DOI: 10.1186/1556-276X-8-316; WOS: 000322020500001	4.1	1	DA	4.1

	<i>Clasament SCIE*: Q2 186/460 (MATERIALS SCIENCE, MULTIDISCIPLINARY)</i>				
20	M. Raicopol , A. Prună, L. Pîlan <i>"Supercapacitance of single-walled carbon nanotubes-polypyrrole composites"</i> <i>Journal of Chemistry</i> , 2013 , 367473 ISSN: 2090-9063; DOI: 10.1155/2013/367473; WOS: 000323986100001 <i>Clasament SCIE*: Q2 118/239 (CHEMISTRY, MULTIDISCIPLINARY)</i>	2.6	1	DA	2.6
21	M. Raicopol , E. Vasile, C. Dascălu, R. Atasiei <i>"Role of moderate sintering temperature on reducing tin diffusion at TiO₂/TCO interface"</i> <i>Digest Journal of Nanomaterials and Biostructures</i> , 2013 , 8, 1719-1725 ISSN: 1842-3582; DOI: -; WOS: 000327818000036 <i>Clasament SCIE*: Q4 382/460 (MATERIALS SCIENCE, MULTIDISCIPLINARY)</i>	1.3	1	DA	1.3
22	M. Raicopol , L. Necula, M. Ioniță, L. Pîlan <i>"Electrochemical reduction of aryl diazonium salts: a versatile way for carbon nanotubes functionalisation"</i> <i>Surface and Interface Analysis</i> , 2012 , 44, 1081-1085 ISSN: 0142-2421; DOI: 10.1002/sia.4830; WOS: 000306662600046 <i>Clasament SCIE*: Q4 153/185 (CHEMISTRY, PHYSICAL)</i>	1.8	1	DA	1.8
23	M. Raicopol , V. Brânzoi, L. Necula, M. Ioniță, L. Pîlan <i>"Comparative studies on the redox reaction of Fe(CN)₆^{4-/3-} at modified glassy carbon electrodes via diazonium salts electroreduction"</i> <i>Revue Roumaine de Chimie</i> , 2012 , 57, 807-814 ISSN: 0035-3930; DOI: -; WOS: 000320072300004 <i>Clasament SCIE*: Q4 208/239 (CHEMISTRY, MULTIDISCIPLINARY)</i>	0.6	1	DA	0.6
24	M. Raicopol , C. Dascălu, R. Atasiei, A.T. Ionescu <i>"Role of dopants on the electro-optic effect in nematic liquid crystals aligned with doped polypyrrole"</i> <i>Journal of Applied Physics</i> , 2011 , 109, 124905 ISSN: 0021-8979; DOI: 10.1063/1.3597824; WOS: 000292331200150 <i>Clasament SCIE*: Q3 101/187 (PHYSICS, APPLIED)</i>	2.5	1	DA	2.5
25	M. Raicopol ; R. Lehaduș; C. Ott; R. Stan; S. Roșca <i>"Solid phase supported chiral tricarbonyl-chromium complexes"</i> <i>UPB Scientific Bulletin, Series B</i> , 2010 , 72, 11 ISSN: 1454-2331; DOI: -; WOS: 000440215700002 <i>Clasament SCIE*: Q4 228/239 (CHEMISTRY, MULTIDISCIPLINARY)</i>	0.3	1	DA	0.3
Articole publicate în reviste ISI la care candidatul NU este autor principal (pentru calculul FIC)					
1	Onaș, A.M.; Olăreț, E.; Pandele, A.M.; Raicopol, M.D. ; Pîlan, L.; Iovu, H. <i>"A comparative study on the preparation of glassy carbon electrodes modified with electrochemically reduced graphene oxide"</i> <i>UPB Scientific Bulletin, Series B</i> , 2024 , 86, 95 ISSN: 1454-2331; DOI: -; WOS: 001196525500016 <i>Clasament SCIE*: Q4 228/239 (CHEMISTRY, MULTIDISCIPLINARY)</i>	0.3	6	NU	0.05

2	R. Atasiei, M. Raicopol , C. Andronesu, A. Hanganu, A.-L. Alexe-Ionescu, G. Barbero <i>"Investigation of the conduction properties of ionic liquid crystal electrolyte used in dye sensitized solar cells"</i> <i>Journal of Molecular Liquids</i> , 2018 , 267, 81-88 ISSN: 0167-7322; DOI: 10.1016/j.molliq.2018.01.010; WOS: 000447575800012 Clasament SCIE*: Q1 6/39 (PHYSICS, ATOMIC, MOLECULAR & CHEMICAL)	5.2	6	NU	0.86
3	C. Andronesu; B. Bălănuță; M. Raicopol ; <i>"Phenolated methyl oleate-based poly(benzoxazine) films as corrosion protection layers on Zn/Mg/Al-alloy coated steel"</i> <i>UPB Scientific Bulletin, Series B</i> , 2016 , 78, 13 ISSN: 1454-2331; DOI: -; WOS: 000417052900002 Clasament SCIE*: Q4 228/239 (CHEMISTRY, MULTIDISCIPLINARY)	0.3	3	NU	0.1
4	B. Bălănuță, M. Raicopol , A. Maljusch, S. Gârea, A. Hanganu, W. Schuhmann, C. Andronesu <i>"Phenolated Oleic Acid Based Polybenzoxazine Derivatives as Corrosion Protection Layers"</i> <i>ChemPlusChem</i> , 2015 , 80, 1170-1177 ISSN: 2192-6506; DOI: 10.1002/cplu.201500092; WOS: 000357617800014 Clasament SCIE*: Q2 114/239 (CHEMISTRY, MULTIDISCIPLINARY)	2.8	7	NU	0.4
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				FIC	110.93

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numărul total de citări (din baza SCOPUS, fără autocitări)		
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19. E.A. Dragu, S. Nică, V. Tecuceanu, D. Bala, C. Mihailciuc, A. Hanganu, A.C. Răzuș
"Synthesis and electrochemical properties of carbocyclic and heterocyclic diazulenylethenes"
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37	M. Raicopol ; R. Lehaduş ; C. Ott ; R. Stan ; S. Roşca <i>"Solid phase supported chiral tricarbonyl-chromium complexes"</i> <i>UPB Scientific Bulletin, Series B</i>, 2010, 72, 11 ISSN : 1454-2331 ; DOI: - ; WOS: 000440215700002	0
38	C. Dascălu, R. Atasiei, M. Raicopol <i>"Evaluation of the Debye length for a nematic liquid crystal aligned with conductive polymers"</i>	3

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NCO număr contracte de cercetare-dezvoltare-inovare obținute prin competiție la nivel național sau internațional, ori contracte cu terți cu valoare peste 10000 Euro			
Contract de cercetare	Poziția ocupată	Perioada de derulare	Valoare (lei)
RU-TD-125/2008 Contract nr. 79 / 15.09.2008 Sursă finanțare: UEFISCSU Titlul proiectului: <i>„Materiale polimerice funcționalizate cu aplicații în optoelectronică”</i>	Director de proiect	2008 - 2009	28500 RON
PN-III-P1-1.1-TE-2021-1163 Contract nr. TE90 / 2022 Sursă finanțare: UEFISCDI Titlul proiectului: <i>„Dezvoltarea unor platforme senzorialice avansate pentru detectarea metalelor grele”</i>	Director de proiect	2022 - 2024	450000 RON

**FIȘA DE CALCUL ȘI DE SUSȚINERE
 A INDICATORULUI DE MERIT (IM) MENȚIONAT LA PUNCTUL C**

a) articole publicate în oricare din jurnalele POLITEHNICA București câte 15 puncte pentru fiecare articol		
Nr.	Publicația cu toate elementele de identificare	Punctaj parțial
1	Onaș, A.M.; Olăreț, E.; Pandele, A.M.; Raicopol, M.D. ; Pilan, L.; Iovu, H. <i>"A comparative study on the preparation of glassy carbon electrodes modified with electrochemically reduced graphene oxide"</i> <i>UPB Scientific Bulletin, Series B, 2024, 86, 95</i> ISSN: 1454-2331; DOI: -; WOS: 001196525500016	15
2	M. Raicopol ; I. Vlăsceanu; I. Lupulescu; A.M. Brezoiu; L. Pilan <i>"Amperometric glucose biosensors based on functionalized electrochemically reduced graphene oxide"</i> <i>UPB Scientific Bulletin, Series B, 2016, 78, 131</i> ISSN: 1454-2331; DOI: -; WOS: 000417052900013	15
3	C. Andronescu; B. Bălănuță; M. Raicopol ; <i>"Phenolated methyl oleate-based poly(benzoxazine) films as corrosion protection layers on Zn/Mg/Al-alloy coated steel"</i> <i>UPB Scientific Bulletin, Series B, 2016, 78, 13</i> ISSN: 1454-2331; DOI: -; WOS: 000417052900002	15
4	L. Pilan; M. Raicopol <i>"Highly selective and stable glucose biosensors based on polyaniline/carbon nanotubes composites"</i> <i>UPB Scientific Bulletin, Series B, 2014, 76, 155</i> ISSN: 1454-2331; DOI: -; WOS: 000440249300016	15
5	R. Atasiei, C. Dascălu, M. Raicopol <i>"The time dependence of the electric charge in a nematic cell aligned with doped polypyrrole"</i> <i>UPB Scientific Bulletin, Series A, 2013, 75, 293-298</i> ISSN: 1223-7027; DOI: - ; WOS: 000328301900026	15
6	M. Raicopol ; R. Lehaduș; C. Ott; R. Stan; S. Roșca <i>"Solid phase supported chiral tricarbonyl-chromium complexes"</i> <i>UPB Scientific Bulletin, Series B, 2010, 72, 11</i> ISSN: 1454-2331; DOI: - ; WOS: 000440215700002	15
7	C. Dascălu, R. Atasiei, M. Raicopol <i>"Evaluation of the Debye length for a nematic liquid crystal aligned with conductive polymers"</i> <i>UPB Scientific Bulletin, Series A, 2009, 71, 89-94</i> ISSN: 1223-7027; DOI: - ; WOS: 000272392500011	15
8	R. Atasiei, C. Dascălu, N. Eșeanu, M. Raicopol , A.-L. Alexe-Ionescu <i>"Ionic contributions to nematic liquid crystal-conducting polymer interface phenomena"</i> <i>UPB Scientific Bulletin, Series A, 2008, 70, 83-88</i> ISSN: 1223-7027; DOI: - ; WOS: 000262993700012	15
PUNCTAJ TOTAL a)		120

b) citări ale articolelor din jurnalele POLITEHNICA București, în lucrări proprii, publicate în reviste sau proceeding-uri indexate WoS câte 10 puncte pentru fiecare citare		
Nr.	Publicația cu toate elementele de identificare	Punctaj parțial
1	Onaș, A.M.; Olăreț, E.; Pandele, A.M.; Raicopol, M.D. ; Pilan, L.; Iovu, H. "A comparative study on the preparation of glassy carbon electrodes modified with electrochemically reduced graphene oxide" UPB Scientific Bulletin, Series B, 2024 , 86, 95 ISSN: 1454-2331; DOI: -; WOS: 001196525500016	0
2	M. Raicopol ; I. Vlăsceanu; I. Lupulescu; A.M. Brezoiu; L. Pilan "Amperometric glucose biosensors based on functionalized electrochemically reduced graphene oxide" UPB Scientific Bulletin, Series B, 2016 , 78, 131 ISSN: 1454-2331; DOI: -; WOS: 000417052900013	30
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3	C. Andronescu; B. Bălănuță; M. Raicopol ; "Phenolated methyl oleate-based poly(benzoxazine) films as corrosion protection layers on Zn/Mg/Al-alloy coated steel" UPB Scientific Bulletin, Series B, 2016 , 78, 13 ISSN: 1454-2331; DOI: -; WOS: 000417052900002	0
4	L. Pilan; M. Raicopol "Highly selective and stable glucose biosensors based on polyaniline/carbon nanotubes composites" UPB Scientific Bulletin, Series B, 2014 , 76, 155 ISSN: 1454-2331; DOI: -; WOS: 000440249300016	10
1. M. Raicopol; I. Vlăsceanu; I. Lupulescu; A.M. Brezoiu; L. Pilan "Amperometric glucose biosensors based on functionalized electrochemically reduced graphene oxide" UPB Scientific Bulletin, Series B, 2016, 78, 131 ISSN: 1454-2331; DOI: -; WOS: 000417052900013		
5	R. Atasiei, C. Dascălu, M. Raicopol "The time dependence of the electric charge in a nematic cell aligned with doped polypyrrole" UPB Scientific Bulletin, Series A, 2013 , 75, 293-298 ISSN: 1223-7027; DOI: -; WOS: 000328301900026	0
6	M. Raicopol ; R. Lehaduș; C. Ott; R. Stan; S. Roșca "Solid phase supported chiral tricarbonyl-chromium complexes" UPB Scientific Bulletin, Series B, 2010 , 72, 11 ISSN: 1454-2331; DOI: -; WOS: 000440215700002	0
7	C. Dascălu, R. Atasiei, M. Raicopol "Evaluation of the Debye length for a nematic liquid crystal aligned with conductive polymers"	0

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1. R. Atasiei, C. Dascălu, M. Raicopol <i>"The time dependence of the electric charge in a nematic cell aligned with doped polypyrrole"</i> UPB Scientific Bulletin, Series A, 2013 , 75, 293-298 ISSN: 1223-7027; DOI: - ; WOS: 000328301900026 2. C. Dascălu, R. Atasiei, M. Raicopol <i>"Evaluation of the Debye length for a nematic liquid crystal aligned with conductive polymers"</i> UPB Scientific Bulletin, Series A, 2009 , 71, 89-94 ISSN: 1223-7027; DOI: - ; WOS: 000272392500011		
PUNCTAJ TOTAL b)		60

c) recenzii ale articolelor din jurnalele POLITEHNICA București câte 5 puncte pentru fiecare recenzie	
3 recenzii	
PUNCTAJ TOTAL c)	15

d) articole publicate cu autori străini (cu afiliere la o entitate din străinătate) în reviste sau proceeding-uri indexate WoS câte 10 puncte pentru fiecare articol		
Nr.	Publicația cu toate elementele de identificare	Punctaj parțial
1	M. Raicopol , C. Dascălu, C. Devan, A.-L. Alexe-Ionescu, G. Barbero <i>"A simple model of ac hopping surface conductivity in ionic liquids"</i> Electrochemistry Communications, 2019 , 100, 16-19 ISSN: 1388-2481; DOI: 10.1016/j.elecom.2019.01.010; WOS: 000463344400004	10
Autori străini (cu afiliere la o entitate din străinătate): G. Barbero Dipartimento di Scienza Applicata del Politecnico di Torino, Corso Duca degli Abruzzi 24, Torino 10129, Italia		
2	R. Atasiei, M. Raicopol , C. Andronescu, A. Hanganu, A.-L. Alexe-Ionescu, G. Barbero <i>"Investigation of the conduction properties of ionic liquid crystal electrolyte used in dye sensitized solar cells"</i> Journal of Molecular Liquids, 2018 , 267, 81-88 ISSN: 0167-7322; DOI: 10.1016/j.molliq.2018.01.010; WOS: 000447575800012	10
Autori străini (cu afiliere la o entitate din străinătate): G. Barbero Department of Applied Science and Technology, Politecnico di Torino, Corso Duca degli Abruzzi 24, Torino 10129, Italy		
3	M. Raicopol , C. Andronescu, R. Atasiei, A. Hanganu, A.M. Manea, I Rău, F. Kajzar, L. Pilan <i>"Synthesis of conducting azopolymers by electrochemical grafting of a diazonium salt at polypyrrole electrodes"</i> Synthetic Metals, 2015 , 206, 84-91 ISSN: 0379-6779; DOI: 10.1016/j.synthmet.2015.05.006; WOS: 000357548600011	10
Autori străini (cu afiliere la o entitate din străinătate): F. Kajzar Université d'Angers, Institut des Sciences et Technologies Moléculaires d'Angers, Bd Lavoisier, 49045 Angers, France		
4	B. Bălănuță, M. Raicopol , A. Maljusch, S. Gârea, A. Hanganu, W. Schuhmann, C. Andronescu	10

	<i>"Phenolated Oleic Acid Based Polybenzoxazine Derivatives as Corrosion Protection Layers"</i> <i>ChemPlusChem</i> , 2015 , 80, 1170-1177 ISSN: 2192-6506; DOI: 10.1002/cplu.201500092; WOS: 000357617800014	
Autori străini (cu afiliere la o entitate din străinătate): A. Maljusch, W. Schuhmann Afiliere: Analytical Chemistry-Center for Electrochemical Sciences (CES), Ruhr-Universität Bochum, Universitätsstrasse 150, Bochum, 44780, Germany		
5	M. Raicopol , B. Bălănuță, K. Sliozberg, B. Schlüter, S.A. Gârea, N. Chira, W. Schuhmann, C. Andronescu <i>"Vegetable oil-based polybenzoxazine derivatives coatings on Zn–Mg–Al alloy coated steel"</i> <i>Corrosion Science</i> , 2015 , 100, 386-395 ISSN: 0010-938X; DOI: 10.1016/j.corsci.2015.08.018; WOS: 000363070100036	10
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PUNCTAJ TOTAL d)		50

e) articole publicate in jurnale Q1 (în afara numărului prevăzut de standardele minimale CNATDCU pentru fiecare domeniu) câte 20 puncte pentru fiecare articol	
8 publicații conform Anexei 4d-1. Indicatori de verificare a standardelor NTOP	
PUNCTAJ TOTAL e)	160

PUNCTAJ TOTAL - Indicator de merit (IM): 405 puncte