

*Director CSUD,
Prof. dr. Anca-Mirela ANDREICA*

*Director SD de Chimie, Universitatea Babeş-Bolyai,
Prof. dr. habil. Niculina Daniela Hădade*

Întocmirea fişei de verificare
a îndeplinirii standardelor Universităţii de prezentare la concurs pentru
abilitare

(în conformitate cu Anexa nr. 4 - COMISIA CHIMIE din Anexa la Ordinul ministrului Educaţiei Naţionale şi Cercetării Ştiinţifice nr. 6.129/20.12.2016 privind aprobarea standardelor minimale necesare şi obligatorii pentru conferirea titlurilor didactice din învăţământul superior, publicat în Monitorul Oficial, Partea I, nr. 123 din 15 februarie 2017).

Standarde	Minimale (cumulative) CNATCDU	Îndeplinite de candidat*	Îndeplinirea criteriilor CNATCDU (%)*
a) N_{max} = primele maxim N lucrări, organizate în ordinea descrescătoare a factorilor de impact a revistelor în care au fost publicate.	50	50	-
b) FI = factor de impact cumulat minimal al revistelor în care s-au publicat lucrările în cauză.	100	159.6	159.6
c) FI_{CD} = factor de impact cumulat minimal din publicații din domeniile de cercetare declarate.	70	159.6	228
d) FI_{CAP} = factor de impact cumulat minimal din publicații în calitate de autor principal (prim-autor, autor corespondent)	50	108.3	216.6
e) FI_{CAC} = factor de impact cumulat minimal din publicații în calitate de autor principal (autor corespondent)	25	69.4	277.6
f) h index	13	14 (WoS) 14(Scopus) 16 (Google Scholar)	

*în calcul nu au fost luate cele 3 capitole de carte

Capitole de cărți se echivalează cu articole FI=2 (doi), în cărțile prezente în mai mult de 150 de biblioteci (vizibile în motorul de căutare UEFISCDI)

Toate criteriile CNATDCU pentru domeniul Chimie sunt îndeplinite de către Dr. Carmen Ioana Forț, așa cum rezultă din tabelul centralizator.

LISTA DE LUCRĂRI

a) Articole/studii in extenso, publicate in reviste din fluxul stiintific international:

	Titlu / autori	AP	Q	IF
1.	C.I. Fort, S.C.A. Cobzac, G.L. Turdean, Second-order derivative of square-wave voltammetry for determination of vanillin at platinum electrode, <i>Food Chemistry</i> , 385 (2022) 132711. https://doi.org/10.1016/j.foodchem.2022.132711	P	Q1	9.8
2.	C.I. Fort; A. Sanou, M. Coulibaly, K.B. Yao, G.L. Turdean, Green modified electrode for sensitive simultaneous heavy metal ions electro detection, <i>Sensors and Actuators B: Chemical</i> , 418 (2024) 136326. https://doi.org/10.1016/J.SNB.2024.136326	P	Q1	7.7
3.	M.M. Rusu, C.I. Fort, L.C. Cotet, A. Vulpoi, M. Todea, G.L. Turdean, V. Danciu, I.C. Popescu, L. Baia, Insights into the morphological and structural particularities of highly sensitive porous bismuth-carbon nanocomposites based electrochemical sensors, <i>Sensors & Actuators: B. Chemical</i> , 628 (2018) 398-410. https://doi.org/10.1016/j.snb.2018.04.103	P,C	Q1	7.7
4.	C.I. Fort, L.C. Cotet, A. Vulpoi, G.L. Turdean, V. Danciu, L. Baia, I.C. Popescu, Bismuth doped carbon xerogel nanocomposite incorporated in chitosan matrix for ultrasensitive voltammetric detection of Pb(II) and Cd(II), <i>Sensors and Actuators, B: Chemical</i> , 220 (2015) 712-719. https://doi.org/10.1016/j.snb.2015.05.124	P,C	Q1	7.7
5.	M. Scarisoreanu, A. Ilie, E. Goncarencu, A. Banici, I. Morjan, E. Dutu, E. Tanasa, Cl. Fort, M. Stan, C. Mihailescu, C. Fleaca, Ag, Au and Pt decorated TiO ₂ biocompatible nanospheres for UV & vis photocatalytic water treatment, <i>Applied Surface Science</i> 509 (2020) 145217. https://doi.org/10.1016/j.apsusc.2019.145217		Q1	6.9
6.	M. Scarisoreanu, C. Fleaca, I. Morjan, A.-M. Niculescu, C. Luculescu, E. Dutu, A. Ilie, I. Morjan, L.G. Florescu, E. Vasile, C.I. Fort, High photoactive TiO ₂ /SnO ₂ nanocomposites prepared by laser pyrolysis, <i>Applied Surface Science</i> 418(2017)491-498. https://doi.org/10.1016/j.apsusc.2016.12.122		Q1	6.9
7.	Ofentse Ramonnye, Carmen Ioana Fort, Foster Mbaiwa, Lucian Baia, Graziella Liana Turdean, Meldola's Blue immobilised onto mesoporous carbon aerogel surface as non-enzymatic electrode matrix for sensitive hydrogen peroxide determination, <i>Electrochimica Acta</i> , 547(2026)147857. https://doi.org/10.1016/j.electacta.2025.147857	C	Q1	5.6
8.	Juan S. Hidalgo, Shoab Mukhtar, Ottó Horváth, Nikoletta Kovacs, Luis Hidalgo, Javier E. Vilasó-Cadre, Iván A. Reyes-Domínguez, Kornél Rácz, Imran Uddin, Ildiko Galambos, C. Ioana Fort, Graziella L. Turdean, Nanocomposite matrix based on gerhardtite-type copper (II) hydroxy nitrate and ZnO/CeO ₂ nanoparticles-a sensitive platform for aminomethylphosphonic acid detection, <i>Electrochimica Acta</i> , 540(2025)147255. https://doi.org/10.1016/j.electacta.2025.147255	C	Q1	5.6
9.	Javier E. Vilasó-Cadre, Juan Hidalgo-Viteri, Alondra Ramírez-Rodríguez, Ilse A. López-Álvarez, Graziella L. Turdean, C. Ioana Fort, Ioan Petean, Aislinn M. Teja-Ruiz, Iván A. Reyes-Domínguez, Roel Cruz, Ti-MOF/chitosan nanocomposite – A sensing electrode matrix for the detection of dithiocarbamates in mining samples, <i>Electrochimica Acta</i> , 538(2025)147037. https://doi.org/10.1016/j.electacta.2025.147037		Q1	5.6
10.	G.L. Turdean, I.C. Fort, V. Simon, In vitro short-time stability of a bioactive glass-chitosan composite coating evaluated by using electrochemical methods, <i>Electrochimica Acta</i> , 182(2015)707-714.		Q1	5.6

	https://doi.org/10.1016/j.electacta.2015.09.132			
11.	C.I. Fort, M.M. Rusu, L.C. Cotet, A. Vulpoi, M. Todea, M. Baia, L. Baia, The Impact of Ar or N2 Atmosphere on the Structure of Bi-Fe-Carbon Xerogel Based Composites as Electrode Material for Detection of Pb ²⁺ and H ₂ O ₂ , <i>Gels</i> , 10 (2024) 230. https://doi.org/10.3390/GELS10040230	P	Q1	5.3
12.	M.M. Rusu, C.I. Fort, A. Vulpoi, L. Barbu-Tudoran, M. Baia, L.C. Cotet, L. Baia, Ultrasensitive Electroanalytical Detection of Pb ²⁺ and H ₂ O ₂ Using Bi and Fe—Based Nanoparticles Embedded into Porous Carbon Xerogel — The Influence of Nanocomposite Pyrolysis Temperatures. <i>Gels</i> , 9 (2023) 868. https://doi.org/10.3390/gels9110868	C	Q1	5.3
13.	C I. Fort, C.S.A. Cobzac, G.L. Turdean, Conductive polymer-based modified electrode for total antioxidant capacity determination, <i>Microchemical Journal</i> , 2024 https://doi.org/10.1016/J.MICROC.2024.110309	P	Q1	5.1
14.	J. Hidalgo, C.I. Fort, I. Galambos, H. Jankovics, L. Hidalgo, G.L. Turdean, TiO ₂ aerogel - A sensing electrode matrix for the sensitive detection of diclofenac sodium, <i>Microchemical Journal</i> , 207 (2024) 111855. http://doi.org/10.1016/j.microc.2024.111855	C	Q1	5.1
15.	A.M. Rostas, R.C. Suci, M.C. Roşu, A. Turza, D.V. Cosma, S. Tripon, C.I. Fort, V. Danciu, M. Baia, A. Bocirnea, E. Indrea, Annealing temperature, a key factor in shaping Ag-decorated TiO ₂ aerogels as efficient visible-light photocatalysts, <i>Materials Chemistry and Physics</i> , 337(2025)130557. https://doi.org/10.1016/j.matchemphys.2025.130557	C	Q2	4.7
16.	C.I. Fort, L.C. Cotet, V. Danciu, G. Turdean, I. C. Popescu, Iron doped carbon aerogel - New electrode material for electrocatalytic reduction of H ₂ O ₂ , <i>Materials Chemistry And Physics</i> , 138 (2013) 893-898. https://doi.org/10.1016/J.MATCHEMPHY S.2012.12.079	P,C	Q2	4.7
17.	C.I. Fort, L.C. Cotet, F. Vasiliu, P. Marginean, V. Danciu, I.C. Popescu, Methanol oxidation at carbon paste electrodes modified with (Pt-Ru)/carbon aerogels nanocomposites, <i>Materials Chemistry and Physics</i> , 172(2016)179-188. https://doi.org/10.1016/j.matchemphys.2016.01.061	P,C	Q2	4.7
18.	C.I. Fort, M.M. Rusu, L.C. Cotet, A. Vulpoi, I. Florea, S. Tuseau-Nenez, M. Baia, M. Baibarac, L. Baia, Carbon Xerogel Nanostructures with Integrated Bi and Fe Components for Hydrogen Peroxide and Heavy Metal Detection, <i>Molecules</i> (Basel, Switzerland) 26(1) (2020) 117. https://doi.org/10.3390/molecules26010117	P	Q2	4.6
19.	A. Sanou, M. Coulibaly, S.R. N'dri, T.L. Tămaş, L. Bizo, T. Frentiu, E. Covaci, K. Désiré Martial Abro, P. Jean-Marie Richard Dablé, K.B. Yao, C.I. Fort, G.L. Turdean, Raw clay material-based modified carbon paste electrodes for sensitive heavy metal detection in drinking water, <i>Journal of Materials Science</i> 59 (2024) 13961–13977. https://doi.org/10.1007/S10853-024-09945-2	C	Q2	3.9
20.	J.S. Hidalgo, É. Tóth, H. Jankovics, C.I. Fort, G.L. Turdean, E. Tombacz, I. Galambos, Bioengineered Flagellin–TiO ₂ Nanoparticle-Based Modified Glassy Carbon Electrodes as a Highly Selective Platform for the Determination of Diclofenac Sodium. <i>Chemosensors</i> , 11 (2023) 576. https://doi.org/10.3390/chemosensors11120576		Q2	3.7
21.	E. Goncarencu, I.P. Morjan, C. Fleaca, E. Dutu, A. Criveanu, C. Viespe, A.C. Galca, A.V. Maraloiu, M.S. Stan, C.I. Fort, M. Scarisoreanu, The Influence of SnO ₂ and Noble Metals on the Properties of TiO ₂ for Environmental Sustainability, <i>Sustainability</i> , 16 (2024) 2904. https://doi.org/10.3390/SU16072904	C	Q2	3.3

22.	Rami Doukeh, Maria Lehene, Cezara Zagrean-Tuza, Augustin C. Mot, Radu Silaghi-Dumitrescu, Codruta Sarosi, Carmen Ioana Fort, Graziella Liana Turdean, Madalina Pandele, Gheorghe Borodi, Luminița Daniela Movileanu, Catalytic Activation of Molecular Nitrogen by Enzyme-Inspired Metal–Organic Catalysts, <i>J. Phys. Chem. C</i> , 129(2025)20517–20533. https://doi.org/10.1021/acs.jpcc.5c05271		Q3	3.2
23.	C.A. Sălăgean, L.C. Coteț, M. Baia, C.I. Fort, G.L. Turdean, L. Barbu-Tudoran, M.D. Lazar, L. Baia, Influence of Precursors on Physical Characteristics of MoS ₂ and Their Correlation with Potential Electrochemical Applications. <i>Materials</i> 2025, 18, 2111. https://doi.org/10.3390/ma18092111		Q3	3.2
24.	M.M. Rusu, R.A. Wahyuono, C.I. Fort, A Dellith, J. Dellith, A. Ignaszak, A. Vulpoi, V. Danciu, B. Dietzek, L. Baia, Impact of drying procedure on the morphology and structure of TiO ₂ xerogels and the performance of dye sensitized solar cells, <i>Journal of Sol-Gel Science and Technology</i> 81(3)(2017)693-703. https://doi.org/10.1007/s10971-016-4237-3	C	Q2	3.2
25.	M.M Rusu, A. Vulpoi, I. Maurin, L.C Cotet, L.C Pop, C.I Fort, M. Baia, L. Baia, I. Florea, Thermal Evolution of C–Fe–Bi Nanocomposite System: From Nanoparticle Formation to Heterogeneous Graphitization Stage, <i>Microscopy and Microanalysis</i> , 28 (2022) 317–329. https://doi.org/10.1017/S1431927622000241		Q1	3
26.	I.C. Ladiu, I.C. Popescu, Lo Gorton, NADH Electrocatalytic Oxidation at Carbon Paste modified Electrodes with Meldola Blue Adsorbed on Zirconium Phosphate, <i>J. Solid State Electrochem.</i> , 9 (2005) 296-303. https://doi.org/10.1007/S10008-004-0618-6	P	Q3	2.6
27.	R. Barabás, C.I. Fort, G.L. Turdean, L. Bizo, Influence of HAP on the morpho-structural properties and corrosion resistance of zro ₂ -based composites for biomedical applications, <i>Crystals</i> 11 (2021) 1–16 202 https://doi.org/10.3390/cryst11020202		Q2	2.4
28.	C.I. Fort, Zs. Pap, E. Indrea, L. Baia, V. Danciu, M. Popa, Pt/N–TiO ₂ Aerogel Composites Used for Hydrogen Production Via Photocatalysis Process, <i>Catalysis Letters</i> , 144 (2014)1955-1961, https://doi.org/10.1007/s10562-014-1353-y	P,C	Q3	2.4
29.	A. Belcovici, C.I. Fort, L.E. Mureșan, I. Perhaita, G. Borodi, G.L. Turdean, Zinc oxide nanostructured platform for electrochemical detection of heavy metals, <i>Electroanalysis</i> , 35 (2023) e202200395, https://doi.org/10.1002/elan.202200395		Q2	2.3
30.	T.T. Hien Ngo, I.C. Fort, T.H. Pham, G.L. Turdean, Ordered Mesoporous Silica Incorporating Platinum Nanoparticles as Electrode Material for Paracetamol Detection, <i>Electroanalysis</i> , 33 (2021) 323–335. https://doi.org/10.1002/elan.202060131		Q2	2.3
31.	L.C. Cotet, C.I. Fort, V. Danciu, A. Maicaneanu, Alpha-Cypermethrin Pesticide Adsorption on Carbon Aerogel and Aerogel, <i>Separation Science and Technology</i> , 48(2013)2649-2658, https://doi.org/10.1080/01496395.2013.805782		Q3	2.3
32.	C.I. Fort, R. Ortiz, L.C. Cotet, V. Danciu, I.C. Popescu, L. Gorton, Carbon Aerogel as Electrode Material for Improved Direct Electron Transfer in Biosensors Incorporating Cellobiose Dehydrogenase, <i>Electroanalysis</i> 28(10)(2016)2311-2319. https://doi.org/10.1002/elan.201600219	P,C	Q2	2.3
33.	D. Bamba, M. Coulibaly, C.I. Fort, C.L. Coteț, Z. Pap, K. Vajda, E.G. Zoro, N.A. Yao, V. Danciu, D. Robert, Synthesis and characterization of TiO ₂ /C nanomaterials: Applications in water treatment, <i>Physica Status Solidi (B)</i>	C	Q3	1.8

	252(11)(2015)2503-2511. https://doi.org/10.1002/pssb.201552219			
34.	C.I. Ladiu, R. Garcia, I.C. Popescu, L. Gorton, NADH Electrocatalytic Oxidation at Glassy Carbon Paste Electrodes Modified with Meldola Blue Adsorbed on acidic alpha-Titanium Phosphate, Revista de chimie, 58(2007)465-469	P	Q3	1.7
35.	L.C. Cotet, K. Briceño, C.I. Fort, V. Danciu, R. Garcia-Valls, D. Montané, Preparation, characterization and gas permeation investigation of resorcinol-formaldehyde polymer or carbon xerogels/tubular ceramic composites, Acta Chimica Slovenica; 60(2)(2013)343-50		Q3	1.3
36.	Silai, I.E., Fort, I.C., Casoni, D., Turdean, G.L., Epinephrine detection at Pt-nanoparticles modified graphite electrode by square-wave voltammetry, Revue Roumaine de Chimie 60(7-8)(2015)689-696			0.6
37.	C.I. Ladiu, R. Garcia, I.C. Popescu, L. Gorton, NADH Electrocatalytic Oxidation at Glassy Carbon Paste Electrodes Modified with Meldola Blue Adsorbed on acidic alpha-Zirconium Phosphate, Rev. Roum. Chim., 52(2007)67-74	P		0.6
38.	Hien Ngo, T.T., Fort, I.C., Pham, T.H., Turdean, G.L., Paracetamol detection at a graphite paste modified electrode based on platinum nanoparticles immobilised on Al-SBA-15 composite material, STUDIA UBB CHEMIA, 65 (2020), 27-38. https://doi.org/10.24193/subbchem.2020.1.03			0.5
39.	L. Stingescu, C. Cadar, L.C. Cotet, L. Baia, K. Saszetd, K. Magyarid, A.G. Mihis, C.I Fort, M. Stroea, E. Matei, A. Nila, I. Anghel, M. Baiac, M. Baibarac, V. Danciu, Morphological and structural investigation of the poly(vinylchloride)/graphene oxide composites, STUDIA UBB CHEMIA, 65(3) (2020), 245-258. https://doi.org/10.24193/subbchem.2020.3.19			0.5
40.	I. C. Fort, G. L Turdean, R. Barabás, D. Popa, A. Ispas, M. Constantiniuc, Study of the hydrogen peroxide based whitening gel on the corrosion of dental metallic alloys, Studia Universitatis Babes-Bolyai Chemia 2019, 64(1):125-133. https://doi.org/10.24193/subbchem.2019.1.10	P		0.5
41.	Fort, C.I., Cotet, L.C., Turdean, G.L., Danciu, V., Meldola blue immobilised on mesoporous carbon aerogel - New electrode material for NADH electrocatalytic oxidation, Studia Universitatis Babes-Bolyai Chemia 60(3)(2015)215-224.	P,C		0.5
42.	I.C. Fort, I.E. Silai, D. Casoni, G.L. Turdean, Electrochemical study of isoprenaline and epinephrine at platinum-nanoparticles-chitosan modified graphite electrode, Studia Universitatis Babes-Bolyai Chemia 01/2013; 4(58):193	P		0.5
43.	L.C Cotet, C. I. Fort, V. Danciu, Influence Of Tubular TiO2-ZrO2 Ceramic Support On The Morpho-Structural Properties Of The Undoped And Cu Doped Carbon Xerogels., Studia Ubb Chemia, 3(2012) 73-80			0.5
44.	C.I. Fort, I.C. Popescu, NADH oxidation at Meldola Blue modified glassy carbon electrodes. A comparative study, Studia UBB CHEMIA, 56(2011) 255-264	P,C		0.5
45.	D. Georgescu, Zs. Pap, M. Baia, C.I. Fort, V. Danciu, G. Melinte, L. Baia, S. Simon, Photocatalytic activity of highly porous TiO2-AG materials, Studia Universitatis Babes-Bolya Chemia, 56 (2011) 51-58.			0.5
46.	I.C. Ladiu, V. Danciu, V. Cosoveanu, P. Lianos, Pure and doped mesoporous TiO2 films made from reverse micelles and their use for the photocatalytic degradation of adsorbed Basic Blue dye Studia Universitatis Babes-Bolya Chemia, 46, 1(2), (2001) 233 – 246	P		0.5
47.	I.C. Ladiu, V. Danciu, V. Cosoveanu, A. Rustoiu-Csavdari, P. Lianos,	P,C		0.4

	Photodegradation of Basic Blue 45 Dye on Undoped and doped TiO ₂ Films, Rev. Roum. Chim. 47(12) (2002) 1247-1253			
48.	C. Cadar, C.I. Fort , A. Mihis, Zs. Kedves, K. Magyar, L. Baia, M. Baia, M. C. Dudescu, I. Olteanu, L.C. Cotet, V. Danciu, APTES functionalized graphene oxide for silane-based consolidation treatments to increase mortar performances, Journal of Nanoscience and Nanotechnology, 21(2021) 2351-2359. https://doi.org/10.1166/jnn.2020.18958	C		-
49.	C.I. Fort , Mihai M. Rusu, Lucian C. Pop, Liviu C. Cotet, Adriana Vulpoi, Monica Baia, Lucian Baia, Preparation and characterization of carbon xerogel based composites for electrochemical sensing and photocatalytic degradation, Journal of Nanoscience and Nanotechnology, 21 (2021) 2323-2333. https://doi.org/10.1166/jnn.2021.18963	P		-
50.	M Rusu, G Kovács, C Cotet, I Fort , A Vulpoi, L Baia, Zs Pap, V Danciu, N-TiO ₂ -Ag Based Porous Structures: Photocatalytic, Morphological and Structural Properties, J. Surf. Interf. Mater.4 (2014) 305			-

where AP – autor principal; P – prim autor, C – autor de corespondență, Q and IF – according WoS in 12 decembrie 2025.

b) Publicatii – reviste BDI:

1. **C.I. Ladiu**, I.C. Popescu, R. Garcia, L. Gorton, Electrocatalytic Oxidation of NADH at Glassy Carbon Paste Electrodes Modified with Meldola Blue Adsorbed on amorphous and crystalline Zirconium Phosphate, Chem. Bull. Politehnica (Univ. Timisoara), 49(2005)51.
2. E.Grünwald, V. Danciu, V. Cosoveanu, **C.I. Ladiu**, Vergleichende Untersuchungen über cyanidfreie Zinkelektrolyte mit Natrium-bzw. Kaliumhydroxid. II. Eigenschaften der Electrolyte Galvanotechnik, 92(3)(2001) 651-657 (EID:2-s2.0-0035274466)
3. Grünwald E., Jumatate N., Danciu V., Cosoveanu V., **Ladiu I.C.**, Natrium- és kálium-hidroxid tartalmú lúgos, cianidmentes horgonyfűrdők összehasonlító vizsgálata III. Horgonybevonatok tulajdonságai, Korroziós Figyelo, 41(1)(2001)11-17 (EID:2-s2.0-0035049563)
4. V. Danciu, V. Cosoveanu, E. Grünwald, **I.C. Ladiu**, "The Regal AZ -type additives influence on zinc electrodeposition from weak-acid electrolyte" U.P.B. Sci. Bull., Series B, 63(3) (2001) 83-92(EID:2-s2.0-0035736166)
5. V. Danciu, V. Cosoveanu, E. Grünwald, V. Andronic, M. Dronca, **I.C. Ladiu** "Influenta aditivilor de tip AZ-Regal asupra electrodepunerii zincului din electrolit pe baza de ZnCl₂" Buletinul Științific (Univ. de Nord, Baia-Mare), seria B, Chimie-Biologie, XIV, (2001) 26-33
6. V. Danciu, V. Cosoveanu, **C.I. Ladiu**, E. Grünwald, Vergleichende Untersuchungen über cyanidfreie Zinkelektrolyte mit Natrium-bzw. Kaliumhydroxid. I. Allgemeine Beobachtungen Galvanotechnik 91(12)(2000)3364-3373 (EID:2-s2.0-0000431162)
7. V. Danciu, V. Cosoveanu, **I.C. Ladiu**, E. Grünwald, Natrium es kalium hidroxid tartalmu lugos, cianidmentes horgonyfurdok osszehasonlito vizsgalata. I. Altalanos megfigyelesek, Korroziós Figyelo, 40(5)(2000)167-174 (Comparative testing of cyanide-free electrolytes containing sodium and potassium hydroxide as well as zinc salt. I. General observations)(EID:2-s2.0-0033757445)
8. V. Danciu, V. Cosoveanu, E. Barabas, **I.C. Ladiu**, Influence of ultrasounds in electrochemical processes, Studia Universitatis Babes-Bolyai Chemia, 44(1)(1999) 225-234

c) Publicatii in extenso, aparute in lucrari ale principalelor conferinte internationale de specialitate:

1. L.C. Cotet, **C.I. Fort**, V. Danciu, A. Maicananu, Cu and Cd Adsorption on Carbon Aerogel and Aerogel, Proceedings of the 16th International Conference on Heavy Metals in the

Environment, Roma, Italy 2012, Volume: 1 Published: 2013,
<http://doi.org/10.1051/e3sconf/20130125007>

2. A. Nicoara, V. Cosoveanu, **I.C. Ladiu**, L. Baia, M. Baia, L. Muresan, I. Stamatina, V. Danciu, *Zirconia Aerogel - Polyoxometalate Composites Synthesis with Applications in Solid Oxide/Acid Fuel Cells*, Clean Technology **2008**, Proceedings [Chapter 5: Fuel Cell & Hydrogen Technologies](#), Pages:298 - 301
 3. **C.I. Ladiu**, I.C. Popescu, R. Garcia, Lo Gorton, *Electrocatalytic oxidation of NADH at glassy carbon paste electrodes modified with Meldola Blue adsorbed on crystalline zirconium and titanium phosphate*, Proc. of the Roumanian International Conference on Chemistry and Chemical Engineering XIV, Bucharest, 22-24 Sept. **2005**, Secțiunea 10, p. 11-18
- d) Brevete de invenție și alte titluri de proprietate industrială:

1. Patent obținut de la Oficiul Român de Patente (OSIM): Nr. 1037524/23.10.2017,
Titlul: „**Obtaining process of resorcinol-formaldehyde xerogel / ceramic and carbon xerogel / ceramic composites**”.
Autori: L.C. Cotet, **C.I. Fort**,
V. Danciu, Proprietar: Babes-Bolyai University (Romania).
2. Patent obținut de la Oficiul Român de Patente (OSIM): Nr. 133255B1/27.11.2020
Titlul: „**Procedeu de obținere a materialelor compozite de tipul cărbune nanoporos/grafen/nanoparticule de bismut și fier/oxid de titan cu proprietăți analitice și de fotodegradare**”
Autori: L.C. Cotet, L.G. Baia, **C.I. Fort**, L.C. Pop, M. Rusu
Proprietar: Babes-Bolyai University (Romania).

e) Capitole de carte:

1. **C.I. Fort**, L.C. Cotet, L.C. Pop, M. Baia, L. Baia, "Advanced graphene based materials for electrochemical biomarker and protein detection" in the book "Graphene - Chemistry and Applications", ISBN 978-1-83769-283-5, edited by Dr. Enos Wamalwa Wambu, IntechOpen 2023.
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Cluj-Napoca, 22.01.2026

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