

Concurs pentru ocuparea postului poz. 4, de profesor universitar
 Departamentul Inginerie Organică, Biochimică și Alimentară
 Facultatea de Inginerie Chimică și Protecția Mediului "Cristofor Simionescu"
 Disciplinele: Cataliză industrială și catalizatori
 Cataliza în industria organică și petrochimică
 Domeniul: Inginerie Chimică,
 post publicat în Monitorul Oficial al României, Partea a III-a, nr. 395 din 28.11.2024

LISTA DE LUCRĂRI

Candidat: **UNGUREANU ADRIAN**, Doctor în Inginerie Chimică din anul 2005, Conferențiar universitar din anul 2015.

1^o Teza de doctorat

T1. *Semicrystalline Zeolitic Mesoporous UL-Zeolites of MFI-type: Synthesis, Characterization and Catalytic Properties*,
 Conducători științifici: Prof. Serge Kaliaguine și Prof. Do Trong-On (Universitatea Laval) și Prof.dr.ing. Emil Dumitriu
 (Universitatea Tehnică "Gheorghe Asachi" din Iași).
 Teza a fost susținută la Universitatea Laval (Québec, Canada), Facultatea de Științe și Inginerie, 08/2005.

2^o Cărți/ cursuri/ manuale publicate în edituri recunoscute din țară sau din străinătate (Ca1, Ca2 etc.),
 îndrumare publicate/culegeri de probleme (I1, I2 etc.), sisteme de laborator funcționale etc. (D1, D2 etc.)
 cursuri proprii pe Web, sisteme e-learning etc. (W1, W2 etc.), după caz, precum și alte lucrări (M1, M2 etc.)
 prin care se aduc contribuții la dezvoltarea activităților didactice/ profesionale.

Ca	Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)
	Ca1 Ungureanu Adrian , Catrinescu Cezar, <i>Cataliză și materiale catalitice</i> , Editura EcoZone, Iași, ISBN 978-606-8625-41-6, 182 pg. (format academic), 2024
	Ca2 Ungureanu Adrian , Dumitriu Emil, <i>Cataliză industrială și catalizatori</i> , Editura Pim, Iași, ISBN 978-606-13-1918-3, 202 pg. (format academic), 2014
I	Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)
	I1 Ungureanu Adrian , <i>Cataliză și materiale catalitice. Lucrări practice de laborator</i> , 97 pg. (format A4), 2015 Disponibil pe web, platforma educațională TUIASI accesibilă prin Microsoft Teams: https://tuiasiro.sharepoint.com
D	Sisteme de laborator funcționale
	Amenajare lucrare nouă de laborator cu instalație experimentală (lucrari prezentate, discutate și aprobate în ședință de departament)
	D1 Analiza compuşilor organici prin cromatografie de gaze
	D2 Hidrogenarea catalitică a cinamaldehydei. Chemoselectivitatea catalizatorilor metalici pe suport
	Amenajare/ concepere lucrare nouă de laborator/ proiect/ simulare pe calculator/ studiu de caz (lucrari prezentate, discutate și aprobate în ședință de departament)
	D3 Reacția de esterificare Fischer în cataliza omogena și eterogena
	D4 Prepararea materialelor catalitice prin metoda sol-gel
	D5 Hidroliza ureei în cataliză enzimatică
	D6 Structura și sinteza zeolitului ZSM-5 (clasa structurală MFI)
	D7 Prepararea materialelor mezoporoase ordonate SBA-15
	D8 Sinteza nanoparticulelor metalice pe suporturi catalitice poroase prin metoda impregnării
	D9 Alchilarea catalitică a hidrocarburilor aromatice în prezența zeoliților
	Contribuție la dotarea laboratoarelor, în valoare echivalentă cu 700 Euro (echipamente achiziționate din proiecte de cercetare-dezvoltare la care sunt/am fost director/membru, și care sunt utilizate inclusiv în scop didactic)
	D10 Reactor sub presiune Parr 4593
	D11 Presa manuală de pastilare Carver
	D12 Aparat chemosorbție TRP/TPO/TPD Pulsar/ Quantachrome
	D13 Titrator Schott Universal
	D14 Pompa peristaltică
	D15 Baie termostatare;
	D16 Agitator magnetic MS-H-PRO
	D17 Aparat fizisorbție azot Autosorb 1MP/ Quantachrome

	D18 Spectrofotometru de absorbtie atomica AAS/ Avanta	
	D19 Spectrofotometru DR UV-Vis/ Shimadzu UV 2450	
	D20 Generator de hidrogen Krisalp	
	D21 Conductometru de laborator InoLab	
W	Utilizarea sistemelor de predare/ învățare/ evaluare de tip e-learning/ on-line/ multimedia etc.	
	W1 Ungureanu Adrian , <i>Cataliza în industria organică și petrochimica. Suport de curs</i> , 2020, 132 pg. Suport informativ on-line, platforma educațională TUIASI accesibilă prin Microsoft Teams: link: https://tuiasiro.sharepoint.com	
	W2 Ungureanu Adrian , <i>Cataliză industrială și catalizatori. Suport de curs</i> , 2015, 142 pg. Suport informativ on-line, platforma educațională TUIASI accesibilă prin Microsoft Teams: link: https://tuiasiro.sharepoint.com	
Total puncte candidat		83.46

Observații:

1. Indicativele scrise cu "bold" se referă la lucrările realizate după acordarea ultimului titlu didactic;
2. Calculul numărului de puncte aferente capitolului 2^o este prezentat în Fișa de verificare a îndeplinirii standardelor universității de prezentare la concurs pentru postul de profesor universitar (Formular PO.DID.12_F5.4.2).

3^o Cărți/ capitole cărți de specialitate publicate în edituri recunoscute din țară sau din străinătate (Cb1, Cb2 etc.), articole/ studii publicate în reviste din țară/ străinătate, cu factor de impact/ indexate în BDI/ neindexate în BDI (R1, R2 etc.), brevete de invenție (B1, B2 etc.), creații artistice prezentate la manifestări recunoscute din țară/ străinătate (A1, A2 etc.), articole/ studii publicate în volumele manifestărilor științifice naționale/ internaționale indexate BDI/ neindexate BDI (V1, V2 etc.), după caz, precum și alte lucrări (N1, N2 etc.) prin care se aduc contribuții științifice la dezvoltarea domeniului.

		Punctajul lucrării	Puncte candidat
R	Articol publicat în revistă cotate ISI, cu factor de impact		
	R1 Carmen Ciotonea, Yaqian Wei, Adrian Ungureanu* , Cezar Catrinescu, Olivier Gardol, Anne-Sophie Mamede, Franck Dumeignil, Sébastien Paul, Louise Jalowiecki-Duhamel, Sébastien Royer, <i>Ni (0) ex-phylosilicate as efficient and stable low temperature CH4 dry reforming catalyst</i> , ChemCatChem, 2023 , e202300245.	6	0.60
	R2 Camila A. Teles, Carmen Ciotonea, Nicolas Gomes, Vinicius O.O. Goncalves, Adrian Ungureanu , Cezar Catrinescu, Maya Marinova, Jean-Marc Clacens, Sébastien Royer, Fabio B. Noronha, Frederic Richard, <i>Hydrodeoxygenation of m-cresol over Pd/Al-SBA-15 catalysts: Effect of Al content on the deoxygenation reaction pathways</i> , Applied Catalysis A: General, 641, 2022 , 118686.	6	0.55
	R3 Carmen Ciotonea, Alexandru Chirieac, Brandusa Dragoi, Cezar Catrinescu, Sébastien Royer, Adrian Ungureanu* , Sébastien Royer, <i>Cu-Ga₂O₃ nanoparticles supported on ordered mesoporous silica for the catalytic hydrogenation of cinnamaldehyde</i> , Comptes Rendus Chimie, 25, 2022 , 81-94.	6	0.86
	R4 Carmen Ciotonea, Alexandru Chirieac, Brandusa Dragoi, Jeremy Dhainaut, Maya Marinova, Stephane Pronier, Sandrine Arie-Clacens, Jean-Philippe Dacquain, Emil Dumitriu, Adrian Ungureanu* , Sébastien Royer, <i>Playing on 3D spatial distribution of Cu-Co (oxide) nanoparticles in inorganic mesoporous sieves: Impact on catalytic performance toward the cinnamaldehyde hydrogenation</i> , Applied Catalysis A: General, 623, 2021 , 118303.	6	0.55
	R5 Adrian Ungureanu* , Alexandru Chirieac, Carmen Ciotonea, Irina Mazilu, Cezar Catrinescu, Sabine Petit, Eric Marceau, Sébastien Royer, Emil Dumitriu, <i>Enhancement of the dispersion and catalytic performances of copper in the hydrogenation of cinnamaldehyde by incorporation of aluminium into mesoporous SBA-15 silica</i> , Applied Catalysis A: General, 598, 2020 , 117615.	6	0.67
	R6 Jean-François Dechézelles, Carmen Ciotonea, Cezar Catrinescu, Adrian Ungureanu , Sébastien Royer, Véronique Nardello-Rataj, <i>Emulsions Stabilized with Alumina-Functionalized Mesoporous Silica Particles</i> , Langmuir, 36, 2020 , 3212-3220.	6	1.00
	R7 Guillaume Rochard, Carmen Ciotonea, Adrian Ungureanu* , Jean-Marc Giraudon, Sébastien Royer, Jean-François Lamonier, <i>MnO_x-loaded Mesoporous Silica for the Catalytic Oxidation of Formaldehyde. Effect of the Melt Infiltration Conditions on the Activity – Stability Behavior</i> , ChemCatChem, 12, 2020 , 1664-1675.	6	1.00

R8 Maité Audemar, Wahiba Ramdani, Tang Junhui, Andreea Raluca Ifrim, Adrian Ungureanu , François Jérôme, Sébastien Royer, Karine de Oliveira Vigier, <i>Selective Hydrogenation of Xylose to Xylitol over Co/SiO₂ Catalysts</i> , ChemCatChem, 12, 2020 , 1973-1978.	6	0.75
R9 Carmen Ciotonea, Nisrine Hammi, Jérémy Dhainaut, Maya Marinova, Adrian Ungureanu , Abdelkrim El Kadib, Christophe Michon, Sébastien Royer, <i>Phyllosilicate-derived nickel-cobalt bimetallic nanoparticles for the catalytic hydrogenation of imines, oximes and N-heteroarenes</i> , ChemCatChem, 12, 2020 , 4652-4663.	6	0.75
R10 Shuo Chen, Carmen Ciotonea, Adrian Ungureanu* , Emil Dumitriu, Cezar Catrinescu, Robert Wojcieszak, Franck Dumeignil, Sébastien Royer, <i>Preparation of nickel (oxide) nanoparticles confined in the secondary pore network of mesoporous scaffolds using melt infiltration</i> , Catalysis Today, 334, 2019 , 48-58.	6	0.75
R11 Apopei, P., Catrinescu, C., Teodosiu, C., Ungureanu, A. , Royer, S., <i>Selective dissolution of TiO₂ crystalline phases: Physicochemical characterization and photocatalytic activity</i> , Comptes Rendus Chimie, 21(3-4), 2018 , 382-390.	6	1.20
R12 Ciotonea, C., Mazilu, I., Dragoi, B., Catrinescu, C., Dumitriu, E., Ungureanu, A. , Alamdari, H., Petit, S., Royer, S., <i>Confining for stability: Heterogeneous catalysis with transition metal (oxide) nanoparticles confined in the secondary pore network of mesoporous scaffolds</i> , ChemNanoMat, 3(4), 2017 , 214-222.	6	0.67
R13 Mazilu, I., Ciotonea, C., Chiriac, A., Dragoi, B., Ungureanu, A. , Petit, S., Royer, S., Dumitriu, E., <i>Synthesis of highly dispersed iron species within mesoporous (Al-)SBA-15 silica as efficient heterogeneous Fenton-type catalysts</i> , Microporous and Mesoporous Materials, 241, 2017 , 326-337.	6	0.75
R14 Dragoi, B., Mazilu, I., Chiriac, A., Ciotonea, C., Ungureanu, A. , Marceau, E., Dumitriu, E., Royer, S., <i>Highly dispersed copper (oxide) nanoparticles prepared on SBA-15 partially occluded with the P123 surfactant: Toward the design of active hydrogenation catalysts</i> , Catalysis Science & Technology, 7(22), 2017 , 5376-5385.	6	0.75
R15 Ciotonea, C., Dragoi, B., Ungureanu, A. , Catrinescu, C., Alamdari, H., Marceau, E., Dumitriu, E., Royer, S., <i>Improved dispersion of transition metals in mesoporous materials through a polymer-assisted melt infiltration method</i> , Catalysis Science & Technology, 7(22), 2017 , 5448-5456.	6	0.75
R16 Alexandru Chiriac, Brindusa Dragoi, Adrian Ungureanu , Carmen Ciotonea, Irina Mazilu, Sébastien Royer, Anne Sophie Mamede, Elisabetta Rombi, Italo Ferino, Emil Dumitriu, <i>Facile synthesis of highly dispersed and thermally stable copper-based nanoparticles supported on SBA-15 occluded with P123 surfactant for catalytic applications</i> , Journal of Catalysis, 339, 2016 , 270-283.	6	0.60
R17 Brindusa Dragoi, Adrian Ungureanu , Carmen Ciotonea, Alexandru Chiriac, Sabine Petit, Sébastien Royer, Emil Dumitriu, <i>Controlling the distribution of cobalt (oxide) nanoparticles in the dual pore system of SBA-15 scaffolds</i> , Microporous and Mesoporous Materials, 224, 2016 , 176-189.	6	0.86
R18 Alexandra Sasu, Brindusa Dragoi, Adrian Ungureanu , Sébastien Royer, Emil Dumitriu, Vasile Hulea, <i>Selective conversion of styrene oxide to 2-phenylethanol in cascade reactions over non-noble metal catalysts</i> , Catalysis Science & Technology, 6(2), 2016 , 468-478.	6	1.00
R19 Brindusa Dragoi, Adrian Ungureanu , Alexandru Chiriac, Carmen Ciotonea, Constantin Rudolf, Sébastien Royer, Emil Dumitriu, <i>Structural and catalytic properties of mono- and bimetallic nickel-copper nanoparticles derived from MgNi (Cu) Al-LDHs under reductive conditions</i> , Applied Catalysis A: General, 504, 2015 , 92-102.	6	0.86
R20 Maité Audemar, Carmen Ciotonea, Karine De Oliveira Vigier, Sébastien Royer, Adrian Ungureanu , Brindusa Dragoi, Emil Dumitriu, François Jérôme, <i>Selective Hydrogenation of Furfural to Furfuryl Alcohol in the Presence of a Recyclable Cobalt/SBA-15 Catalyst</i> , ChemSusChem, 8(11), 2015 , 1885-1891.	6	0.75
R21 Constantin Rudolf, Irina Mazilu, Alexandru Chiriac, Brindusa Dragoi, Fatima Abi-Ghaida, Adrian Ungureanu , Ahmad Mehdi, Emil Dumitriu, <i>Copper Nanoparticles Supported on Polyether-Functionalized Mesoporous Silica. Synthesis and Application as Hydrogenation Catalysts</i> , Environmental Engineering and Management Journal, 14(2), 2015 , 399-408.	6	0.75
R22 Constantin Rudolf, Fatima Abi-Ghaida, Brindusa Dragoi, Adrian Ungureanu , Ahmad Mehdi, Emil Dumitriu, <i>An efficient route to prepare highly dispersed metallic copper nanoparticles on ordered mesoporous silica with outstanding activity for hydrogenation reactions</i> , Catalysis Science & Technology, 5(7), 2015 , 3735-3745.	6	1.00

R23 Constantin Rudolf, Brindusa Dragoi, Adrian Ungureanu , Alexandru Chirieac, Sébastien Royer, Alfonso Nastro, Emil Dumitriu, <i>NiAl and CoAl materials derived from takovite-like LDHs and related structures as efficient chemoselective hydrogenation catalysts</i> , Catalysis Science & Technology, 4(1), 2014 , 179-189.	6	0.86
R24 Carmen Ciotonea, Brindusa Dragoi, Adrian Ungureanu , Alexandru Chirieac, Sabine Petit, Sébastien Royer, Emil Dumitriu, <i>Nanosized transition metals in controlled environments of phyllosilicate-mesoporous silica composites as highly thermostable and active catalysts</i> , Chemical Communications, 49(69), 2013 , 7665-7667.	6	0.86
R25 Brandusa Dragoi, Adrian Ungureanu , Alexandru Chirieac, Vasile Hulea, Sebastian Royer, Emil Dumitriu, <i>Enhancing the performance of SBA-15-supported copper catalysts by chromium addition for the chemoselective hydrogenation of trans-cinnamaldehyde</i> , Catalysis Science & Technology, 3(9), 2013 , 2319-2329.	6	1.00
R26 Ungureanu, A. , Dragoi, B., Chirieac, A., Ciotonea, C., Royer, S., Duprez, D., Mamede, A.S., Dumitriu, E., <i>Composition-Dependent Morphostructural Properties of Ni-Cu Oxide Nanoparticles Confined within the Channels of Ordered Mesoporous SBA-15 Silica</i> , ACS Applied Materials and Interfaces, 5 (2013), pp. 3010-3025.	6	0.75
R27 Ungureanu, A. , Dragoi, B., Hulea, V., Cacciaguerra, T., Meloni, D., Solinas, V., Dumitriu, E., <i>Effect of Aluminium Incorporation by the "pH-adjusting" Method on the Structural, Acidic and Catalytic Properties of Mesoporous SBA-15</i> , Microporous and Mesoporous Materials, 163 (2012), pp. 51-64.	6	0.86
R28 Chirieac, A., Dragoi, B., Ungureanu, A. , Corcodel, A.M., Rudolf, C., Sasu, A., Dumitriu, E., <i>Controlling the activity and chemoselectivity in the cinnamaldehyde hydrogenation by insertion of non-noble metals in the matrix of hydroalcite-like materials</i> , Environmental Engineering and Management Journal, 11 (1) (2012), pp. 47-54.	6	0.86
R29 Secundo, F., Roda, G., Vittorini, M., Ungureanu, A. , Dragoi, B., Dumitriu, E., <i>Effect of Chemical Composition of SBA-15 on the Adsorption and Catalytic Activity of α-Chymotrypsin</i> , Journal of Materials Chemistry, 21 (2011), pp. 15619-15628.	6	1.00
R30 Dragoi, B., Ungureanu, A. , Chirieac, A., Dumitriu, E., <i>Synthesis of new catalysts by insertion of Co and Cu in the matrix of hydrotalcite-like materials for cinnamaldehyde hydrogenation</i> , Environmental Engineering and Management Journal, 10 (10) (2011), pp. 1561-1571.	6	1.50
R31 Ungureanu, A. , Dragoi, B., Chirieac, A., Royer, S., Duprez, D., Dumitriu, E., <i>Synthesis of Highly Thermostable Copper-Nickel Nanoparticles Confined in the Channels of Ordered Mesoporous SBA-15 Silica</i> , Journal of Materials Chemistry, 21 (2011), pp. 12529-12541.	6	1.00
R32 La Parola, V., Dragoi, B., Ungureanu, A. , Dumitriu, E., Venezia, A.M., <i>New HDS Catalysts Based on Thiol Functionalized Mesoporous Silica Supports</i> , Applied Catalysis A: General, 386 (2010), pp. 43-50.	6	1.20
R33 Dragoi, B., Ungureanu, A. , Meloni, D., Casula, M., Chirieac, A., Sasu, A., Solinas, V., Dumitriu, E., <i>Cu, Ni - based hydrotalcite - like compounds as catalysts for the hydrogenation of cinnamaldehyde in liquid phase. Part 2: Influence of reaction conditions and chemical composition on the catalytic properties</i> , Environmental Engineering and Management Journal, 9 (9) (2010), pp. 1203-1210.	6	0.75
R34 Dragoi, B., Ungureanu, A. , Chirieac, A., Hulea, V., Dumitriu, E., <i>Hydrogenation of unsaturated carbonyl compounds on non-calcined LDHs. I. Synthesis and characterization of ZnNiCuAl hydrotalcite-like materials</i> , Acta Chimica Slovenica, 57(3) (2010), pp. 677-685.	6	1.20
R35 Ungureanu, A. , Meloni, D., Dragoi, B., Casula, M., Chirieac, A., Solinas, V., Dumitriu, E., <i>Cu,Ni-based hydrotalcite-like compounds as catalysts for the hydrogenation of cinnamaldehyde in liquid phase. Part 1: Synthesis and characterization</i> , Environmental Engineering and Management Journal, 9 (4) (2010), pp. 461-468.	6	0.86
R36 Apreutesei, R.E., Catrinescu, C., Ungureanu, A. , Teodosiu, C., <i>Removal of 4-chlorophenol by surfactant modified zeolites and surfactant modified alkali-treated natural zeolites</i> , Environmental Engineering and Management Journal, 8 (5) (2009), pp. 1053-1060.	6	1.50
R37 Drăgoi, B., Ungureanu, A. , Dumitriu, E., <i>CsHSO₄/mesoporous silica composites - New electrolytes for solid acid fuel cells</i> , Environmental Engineering and Management Journal, 8 (1) (2009), pp. 1-9.	6	2.00

	R38 A. Ungureanu , B. Drăgoi, A. Chiriac, C. Catrinescu, E. Dumitriu, <i>Synthesis of Highly Ordered Titanium-Containing SBA-15 Mesoporous Silicas for Catalytic Eco-Friendly Oxidations</i> , Environmental Engineering and Management Journal, 7 (2008) 3, pp. 255-262.	6	1.20
	R39 A. Ungureanu , H.V. Thang, D. Trong On, E. Dumitriu, S. Kaliaguine, <i>Acid Properties of Semicrystalline Zeolitic Mesoporous UL-ZSM-5 Materials</i> , Journal of Thermal Analysis and Calorimetry, 87 (2007) 2, pp. 417-422.	6	1.20
	R40 Vinh-Thang, H., Huang, Q., Ungureanu, A. , Eic, M., Trong-On, D., Kaliaguine, S., <i>Effect of the Acid Properties on the Diffusion of C7 Hydrocarbons in UL-ZSM-5 Materials</i> , Microporous and Mesoporous Materials, 92 (2006) 1-3, pp. 117-128.	6	1.00
	R41 Vinh-Thang, H., Huang, Q., Ungureanu, A. , Eic, M., Trong-On, D., Kaliaguine, S., <i>Structural and Diffusion Characterization of Steam-Stable Mesostructured Zeolitic UL-ZSM-5 Materials</i> , Langmuir, 22 (2006), pp. 4777-4786.	6	1.00
	R42 Ungureanu, A. , Hoang, T.V., Trong On, D., Dumitriu, E., Kaliaguine, S., <i>An Investigation of the Acid Properties of UL-ZSM-5 by FTIR of Adsorbed 2,6-Di-tertbutylpyridine and Aromatic Transalkylation Test Reactions</i> , Applied Catalysis A: General, 294 (2005), pp. 92-105.	6	1.20
	R43 Ungureanu, A. , Royer, S., Hoang, T.V., Trong On, D., Dumitriu, E., Kaliaguine, S., <i>Aldol Condensation over Semicrystalline Zeolitic Mesoporous UL-ZSM-5</i> , Microporous and Mesoporous Materials, 84 (2005) 1-3, pp. 283-296.	6	1.00
	R44 Ungureanu, A. , Trong On, D., Dumitriu, E., Kaliaguine, S., <i>Hydroxylation of 1-Naphthol over UL-TS-1 and TS-1 Coated MCF</i> , Applied Catalysis A: General, 254 (2003) 2, pp. 203-223.	6	1.50
	R45 Trong On, D., Ungureanu, A. , Kaliaguine, S., <i>TS-1 Coated Mesocellular Titano-silica Foams as New Catalyst for Oxidation of Bulky Molecules</i> , Physical Chemistry Chemical Physics, 5 (2003) 16, pp. 3534-3538.	6	2.00
	Total		43.68
	Articol publicat în revistă indexată în baze de date internaționale (BDI)		
	R46 C. Rudolf, A. Chiriac, B. Dragoi, A. Ungureanu , E. Dumitriu, <i>Effect of the Metal Loading Degree and the Impregnation Method on the Structural, Textural and Catalytic Properties of CuNi/SBA-15 Materials</i> , Bull. Inst. Polit. Iasi, Tomul LIX(LXIII), Fasc. 2, Sectia Chimie si Inginerie Chimica (2013) pp.9-22.	3	0.60
	R47 B. Dragoi, A. Ungureanu , A. Chiriac, E. Dumitriu, <i>New Catalysts for Chemoselective Hydrogenation of Cinnamaldehyde based on Co and Cu Incorporation in MgAl LDH Matrix</i> , Bull. Inst. Polit. Iasi, Tomul LVIII (LXII), Fasc. 2, Sectia Chimie si Inginerie Chimica (2012) pp.145-155.	3	0.75
	R48 B. Dragoi, A. Chiriac, A.M. Corcodel, A. Ungureanu , E. Dumitriu, <i>CuCo Nanosized Bimetallic Particles Hosted by Pure and Phenyl Modified Mesoporous MCF Silicas for Cinnamaldehyde Hydrogenation</i> , Bull. Inst. Polit. Iasi, Tomul LVIII (LXII), Fasc. 2, Sectia Chimie si Inginerie Chimica (2012) pp. 9-24.	3	0.60
	R49 B. Dragoi, A. Chiriac, A. Ungureanu , E. Dumitriu, <i>Influence of the Topology and Surface Chemistry on the Catalytic Properties of Mesoporous Silicas Supported CuNi Catalysts</i> , Bull. Inst. Polit. Iasi, Tomul LVII (LXI), Fasc. 1, Sectia Chimie si Inginerie Chimica, (2011) pp.155-165.	3	0.75
	R50 L. Miculescu, E. Dumitriu, R. Diaconescu, A. Ungureanu , <i>Biodiesel Production Techniques</i> , Bull. Inst. Polit. Iasi, Tomul LIII (LVII), Fasc. 1-4 (2007) pp. 161-168.	3	0.75
	Total		3.45
	Articol/studiu publicat în revistă de specialitate neindexată în baze de date		
	R51 A. Ungureanu , H.V. Thang, D. Trong On, S. Kaliaguine, <i>Transalkylation of Toluene by Trimethylbenzene over Aluminosilicate Mesostructured Materials of Wormhole-like Pore Structure</i> , Progress in Catalysis, 15 (2006) 1-2, pp. 57-72.	1	0.25
	R52 Vinh-Thang, H., Huang, Q., Ungureanu, A. , Eic, M., Trong-On, D., Kaliaguine, S., <i>Effect of the Acid Properties on the Diffusion of C7 Hydrocarbons in Materials of UL-ZSM-5-type</i> , Diffusion Fundamentals, 2 (2005), pp. 110.1-110.2. publicat in forma electronica pe site-ul revistei http://www.uni-leipzig.de/diffusion/journal/	1	0.17
	Total		0.42
	Total R		47.55
V	Articol/studiu publicat în volumul unei manifestări științifice neindexate în baze de date		

	V1 V. Rotaru, V.C. Macarel, C.D. Radu, E. Ulea, V. Hulea, A. Ungureanu , F.D. Lipsa, <i>Controlled drug delivery system of natural/synthetic silica structures to the dermis</i> , Proceedings of the 19th World Textile Conference-Autex, June 11-15, Ghent, Belgium, 2019 , pp.1-3.	1	0.14
	V2 A. Andronie, I. Stamatin, S. Iordache, E. Dumitriu, A. Ungureanu , <i>Solid Acids for Applications in Fuel Cells</i> , Proceedings of the 2nd European Conference H2-Fuel-Millennium-Convergence, eHYDROGENIA, Bucharest, Romania, September 22-23, 2008 , ISBN 973-1704-12-4	1	0.25
	V3 A. Andronie, S. Iordache, B. Dragoi, A. Ungureanu , I. Stamatin, E. Dumitriu, <i>Eletrochemical Behavior of CsHSO₄ as Electrolyte in Solid Acid Fuel Cells</i> , Zilele Facultatii de Inginerie Chimica si Protectia Mediului, Materiale si Procese Inovative, Iasi, 19-21 Noiembrie, 2008 , pp. 395-399, ISBN 978-973-621-255-0	1	0.17
	V4 O. David, D. Meloni, R. Monaci, V. Solinas, A. Ungureanu , A. Chirieac, E. Dumitriu, <i>The Catalytic Hydrogenation of trans-Cinnamaldehyde over Mixed Oxides Derived from Quaternary Hydrotalcite-like Precursors</i> , Zilele Facultatii de Inginerie Chimica si Protectia Mediului, Materiale si Procese Inovative, Iasi, 19-21 Noiembrie, 2008 , pp. 217-226, ISBN 978-973-621-255-0	1	0.14
	V5 A. Ungureanu , O. Rusu, E. Dumitriu, <i>Alchilarea in Faza Lichida a Fenolului cu Tert-Butanol pe Materiale Mezoporoase de tip Al-SBA-15</i> , Zilele Facultatii de Inginerie Chimica si Protectia Mediului, Materiale si Procese Inovative, Iasi, 19-21 Noiembrie, 2008 , pp. 227-234, ISBN 978-973-621-255-0	1	0.33
	V6 A. Ungureanu , B. Dragoi, E. Dumitriu, <i>Sinteza și caracterizarea mezostructurilor anorganice-organice de tip SBA-15</i> , Zilele Facultatii de Inginerie Chimica si Protectia Mediului, Materiale si Procese Inovative, Iasi, 19-21 Noiembrie, 2008 , pp. 423-427, ISBN 978-973-621-255-0	1	0.33
	V7 I. Stamatin, A. Andronie, V. Danciu, V. Cosoveanu, V. Pirvulescu, E. Dumitriu, A. Ungureanu , S. Iordache, M. Mocanu, S. Stamatin, M. Ceas, <i>Pile de Combustie de Noua Generatie cu Electrolit Solid Superacid (SAFC) pentru Exploatare la Temperaturi 200-300 °C</i> , Conferinta Stiintifica MENER, Sinaia, 4-7 Septembrie, 2008 , pp. 32-37.	1	0.09
Total V			1.45
E	Lucrare prezentată la simpozion/ seminar/ expoziție de arhitectură/ artă		
	E1 Mihaela Bectoras, Cezar Catrinescu, Adrian Ungureanu , Carmen Ciotonea, Sébastien Royer, Cédric Gennequin, <i>Synthesis of highly active and stable Cu nanoparticles encapsulated in mesoporous silica for hydrogenation of levulinic acid</i> , International Congress on Catalysis, July 14-19, 2024 , Lyon, France.	1	0.17
	E2 Mihaela Bectoras, Cezar Catrinescu, Adrian Ungureanu , Carmen Ciotonea, Cédric Gennequin, Sébastien Royer, <i>Enhanced Oxidative Degradation of Reactive Red 120 Using Heterogeneous Fenton Catalysts based on Iron Oxide Nanoparticles Confined within the Pores of SBA-15 Silica</i> , 7 th International Conference of the Doctoral School, May 15-17, 2024 , Iasi, Romania.	1	0.17
	E3 Cezar Catrinescu, Mihaela Bectoras, Adrian Ungureanu , Carmen Ciotonea, Sébastien Royer, <i>Heterogeneous Fenton-like Oxidation of Reactive Red 120 Azo Dye over Iron Oxide Nanoparticles Confined in SBA-15 Mesoporous Silica</i> , 12 th International Conference on Environmental Engineering and Management (ICEEM), September 13-16, 2023 , Iasi, Romania.	1	0.20
	E4 Mihaela Bectoras, Cezar Catrinescu, Adrian Ungureanu , Carmen Ciotonea, Cédric Gennequin, Sébastien Royer, <i>Synthesis of highly active and stable Cu nanocatalysts encapsulated in mesoporous silica for the selective hydrogenation of levulinic acid to γ-valerolactone</i> , 6 th International Conference of the Doctoral School, May 17-19, 2023 , Iasi, Romania.	1	0.17
	E5 Carmen Ciotonea, Camila Abreu Teles, Adrian Ungureanu , Jean-Marc Glacens, Frédéric Richard, Sébastien Royer, <i>Tuning the selectivity and stability in the HDO of m-cresol by controlling Ni particle size</i> , The 13 th International Symposium of the Romanian Catalysis Society, RomCat, June 22-24, 2022 , Baile-Govora, Romania.	1	0.17
	E6 Cezar Catrinescu, Adrian Ungureanu , Irina Mazilu, Carmen Ciotonea, Emil Dumitriu, Sébastien Royer, <i>Lindane removal by Fenton-like Oxidation over Iron Oxide Nanoparticles Confined in SBA-15 Mesoporous Silica</i> , Proceedings of the XV th International Symposium on Environment, Catalysis and Process Engineering, November 23-25, 2021 , ECGP virtual, pp. 34-35.	1	0.17
	E7 Carmen Ciotonea, Shuo Chen, Cezar Catrinescu, Adrian Ungureanu , Sébastien Royer, <i>Melt Infiltration as an efficient approach to control the localization of transition metal(oxide) nanoparticles in porous hosts</i> , The 17 th International Congress on Catalysis, June 14-19, 2020 , San Diego, USA.	1	0.20

E8 C. Ciotonea, Y. Wei A. Ungureanu , E. Dumitriu, F. Dumeignil, S. Paul, S. Royer, L. Jalowiecki-Duhamel, <i>Supported Ni catalysts from reduction of porous phyllosilicate; properties in dry reforming of methane</i> , 14 th EuropaCat – European Congress on Catalysis, August 18-23, 2019 , Aachen, Germany.	1	0.13
E9 Jean-Francois Lamonier, Guillaume Rochard, Carmen Ciotonea, Sébastien Royer, Adrian Ungureanu , Jean-Marc Giraudon, <i>Design of mesoporous silica supported manganese oxide nanocomposites for the formaldehyde total catalytic oxidation</i> , FCCat - French Conference on Catalysis 2, 3-7 June, Frejus, France, 2019 , pp. 9.	1	0.17
E10 Carmen Ciotonea, Yaqian Wei, Adrian Ungureanu , Emil Dumitriu, Franck Dumeignil, Paul Sébastien, Louise Jalowiecki-Duhamel, Sébastien Royer, <i>Supported Ni catalysts issued from reduction of porous phyllosilicate; Properties in dry reforming of methane</i> , FCCat - French Conference on Catalysis 2, 3-7 June, Frejus, France, 2019 , pp. 10.	1	0.13
E11 Cezar Catrinescu, Adrian Ungureanu , Irina Mazilu, Carmen Ciotonea, Emil Dumitriu, Sébastien Royer, <i>Lindane degradation by heterogeneous Fenton-like oxidation over iron oxide nanoparticles confined in SBA-15 mesoporous silica</i> , 10 th International Conference on Environmental Engineering and Management (ICEEM), September 18-21, 2019 , Iasi, Romania.	1	0.17
E12 Shuo Chen, Carmen Ciotonea, Robert Wojcieszak, Franck Dumeignil, Sébastien Royer, Emil Dumitriu, Adrian Ungureanu , Cezar Catrinescu, <i>Preparation of transition metal (oxide) nanoparticles confined in the secondary pore network of mesoporous scaffolds using melt infiltration</i> , 12th International Symposium on the "Scientific Bases for the Preparation of Heterogeneous Catalysts", July 8-12, 2018 , Louvain-La-Neuve, Belgium.	1	0.13
E13 C. Ciotonea, S. Chen, C. Catrinescu, E. Dumitriu, A. Ungureanu , R. Wojcieszak, F. Dumeignil, S. Royer, <i>A melt infiltration approach to synthesize nickel nanocatalysts encapsulated within the intra-wall pores of mesoporous supports</i> , 4 th International Conference on Chemical Engineering, 31 October – 02 November, 2018 , Iasi, Romania.	1	0.13
E14 Guillaume Rochard, Carmen Ciotonea, Sébastien Royer, Adrian Ungureanu , Brindusa Dragoi, Jean-Marc Giraudon, Jean-François Lamonier, <i>Catalyseurs MnO_x/SBA-15 synthétisés par infiltration à l'état fondu pour l'oxydation du formaldéhyde à basse température</i> , Réunion GeCat, 22 -25 mai, 2018 , Trégunc, France.	1	0.14
E15 C. Ciotonea, B. Dragoi, E. Marceau, E. Dumitriu, S. Petit, A. Ungureanu , S. Royer, <i>Optimization of melt infiltration parameters for the preparation of highly active Co/SBA-15 catalysts for the hydrogenation of cinnamaldehyde</i> , 13 th EuropaCat –European Congress on Catalysis, August 27-31, 2017 , Florence, Italy.	1	0.14
E16 A. Chiriac, A.R. Ifrim, C. Ciotonea, B. Dragoi, A. Ungureanu , S. Royer, E. Dumitriu, <i>Structure and catalytic performance of ordered mesoporous silica-supported copper–cobalt nanoparticles for hydrogenation reactions</i> , 2nd International Conference on Chemical Engineering – ICCE, November 5 – 8, 2014 , Iasi, Romania	1	0.14
E17 C. Rudolf, I. Mazilu, A. Chiriac, B. Drăgoi, A. Ungureanu , A. Mehdi, E. Dumitriu, <i>Copper nanoparticles supported on polyether-functionalized mesoporous silica. Synthesis and application as catalysts for cinnamaldehyde hydrogenation</i> , 2nd International Conference on Chemical Engineering – ICCE, November 5 – 8, 2014 , Iasi, Romania	1	0.14
E18 C. Ciotonea, B. Dragoi, A. Ungureanu , S. Petit, S. Royer, E. Dumitriu, <i>Highly Dispersed Metal Oxide Nanoparticles Supported on SBA-15 through Melt Infiltration. Towards the Genesis of New Performance Metallic Catalysts</i> , 7th International Symposium Nanoporous Materials, June 22 – 25, 2014 , Niagara Falls, Canada,	1	0.17
E19 I. Mazilu, A. Ungureanu , A. Chiriac, B. Dragoi, C. Catrinescu, S. Royer, S. Petit, E. Dumitriu, <i>A two-step approach to synthesize iron-containing mesoporous SBA-15 materials</i> , 30 ^{ème} Réunion Annuelle du Groupe Français des Zéolithes, 19 - 21 Mars, 2014 Domaine des Grenettes, Ile de Ré, France	1	0.13
E20 C. Ciotonea, A. Ungureanu , B. Dragoi, S. Petit, S. Royer, E. Dumitriu, <i>Melt Infiltration: From Confined to Highly Dispersed Metal Oxide Nanoparticles Supported on SBA-15</i> , 30 ^{ème} Réunion Annuelle du Groupe Français des Zéolithes, 19 - 21 Mars, 2014 Domaine des Grenettes, Ile de Ré, France	1	0.17

E21 A. Chiriac, B. Dragoi, A. Ungureanu , C. Ciotonea, S. Royer, E. Rombi, I. Ferino, E. Dumitriu, <i>Influence of the Preparation Method on the Morphostructural Properties and Catalytic Behavior of Ni-Promoted Cu/SBA-15 in CO Oxidation and Hydrogenation of Cinnamaldehyde</i> , 30ème Réunion Annuelle du Groupe Français des Zéolithes, 19 - 21 Mars, 2014 Domaine des Grenettes, Ile de Ré, France	1	0.13
E22 A. Ungureanu , B. Dragoi, C. Ciotonea, A. Chiriac, C. Rudolf, S. Royer, D. Duprez, E. Dumitriu, <i>Effect of the Preparation Method on the Structural and Catalytic Properties of Copper Nanoparticles Supported on Mesoporous SBA-15 Silica</i> , XIth European Congress on Catalysis, EuropaCat, September 01-06, 2013 , Lyon, France	1	0.13
E23 E. Dumitriu, B. Dragoi, A. Ungureanu , A. Chiriac, C. Ciotonea, S. Royer, D. Duprez, <i>Chemoselective hydrogenation of cinnamaldehyde over Ni and Co active phases stabilized into the pores of SBA-15 silica</i> , XIth European Congress on Catalysis, EuropaCat, September 01-06, 2013 , Lyon, France	1	0.14
E24 B. Dragoi, V. Hulea, A. Ungureanu , A. Chiriac, E. Dumitriu, <i>Improving the dispersion and catalytic performance of copper nanoparticles supported on SBA-15 by chromium addition</i> , XIth European Congress on Catalysis, EuropaCat, September 01-06, 2013 , Lyon, France	1	0.20
E25 V. Hulea, A. Sasu, B. Dragoi, A. Ungureanu , E. Dumitriu, <i>New Route for Selective Conversion of Styrene Oxide to 2-Phenylethanol</i> , XIth European Congress on Catalysis, EuropaCat, September 01-06, 2013 , Lyon, France	1	0.20
E26 C. Ciotonea, Dragoi, B., Ungureanu, A. , Chiriac, C., Petit, S., Royer, S., Dumitriu, E., <i>Metallic nanoparticles stabilized on the surface of SBA-15 mesoporous silica via phyllosilicate phases. Effect on the chemoselective hydrogenation of cinnamaldehyde</i> , XV International Clay Conference, July 7-11, 2013 , Rio de Janeiro, Brazil.	1	0.14
E27 A. Ungureanu , B. Dragoi, A. Chiriac, C. Ciotonea, S. Royer, D. Duprez, E. Dumitriu, <i>Effect of chemical composition on the structure evolution and catalytic performance of Ni-Cu/SBA-15 materials</i> , International Symposium of The Romanian Catalysis Society, RomCat, May 29-31, 2013 , Cluj-Napoca, Romania	1	0.14
E28 B. Dragoi, A. Ungureanu , A. Chiriac, C. Ciotonea, V. Hulea, S. Royer, E. Dumitriu, <i>Promoting effect of nickel and chromium on the catalytic properties of SBA-15 supported copper catalyst in the hydrogenation of cinnamaldehyde</i> , International Symposium of The Romanian Catalysis Society, RomCat 2013, May 29-31, 2013 , Cluj-Napoca, Romania	1	0.14
E29 A. Chiriac, A. Ungureanu , B. Dragoi, C. Rudolf, C. Ciotonea, E. Dumitriu, <i>Hybrid P123/SBA-15 materials as effective supports for copper catalysts</i> , International Symposium of The Romanian Catalysis Society, RomCat, May 29-31, 2013 , Cluj-Napoca, Romania	1	0.17
E30 I. Mazilu, A. Ungureanu , B. Dragoi, C. Catrinescu, S. Royer, E. Dumitriu, <i>Synthesis by "pH adjusting method" and physico-chemical characterization of iron-containing mesoporous SBA-15 materials</i> , International Symposium of The Romanian Catalysis Society, RomCat, May 29-31, 2013 , Cluj-Napoca, Romania	1	0.17
E31 B. Dragoi, A. Ungureanu , A. Chiriac, C. Ciotonea, S. Royer, D. Duprez, E. Dumitriu, <i>Hydrogenation of cinnamaldehyde over Co/SBA-15 catalysts prepared by different methods</i> , Third International Conference on Multifunctional, Hybrid and Nanomaterials (Hybrid Materials), March 3-7, 2013 , Sorrento, Italy	1	0.14
E32 E. Dumitriu, A. Ungureanu , B. Dragoi, C. Ciotonea, C. Rudolf, A. Chiriac, S. Royer, D. Duprez, <i>The synergistic effects in the bimetallic Ni-Cu nanoparticles supported on SBA-15</i> , Third International Conference on Multifunctional, Hybrid and Nanomaterials (Hybrid Materials), March 3-7, 2013 , Sorrento, Italy	1	0.13
E33 A. Ungureanu , B. Dragoi, A. Chiriac, C. Ciotonea, C. Rudolf, S. Royer, D. Duprez, E. Dumitriu, <i>Copper nanoparticles supported on ordered mesoporous SBA-15 silica as effective catalysts for the selective hydrogenation of cinnamaldehyde</i> , Third International Conference on Multifunctional, Hybrid and Nanomaterials (Hybrid Materials), March 3-7, 2013 , Sorrento, Italy	1	0.13
E34 B. Dragoi, C. Ciotonea, A. Chiriac, A. Ungureanu , S. Royer, D. Duprez, E. Dumitriu, <i>Controlling the dispersion of monometallic nanoparticles prepared by water-hexane impregnation on the mesoporous SBA-15 silica</i> , 4th EucheMs Chemistry Congress August 26–30, 2012 , Prague, Czech Republic	1	0.14

E35 A. Ungureanu , A. Chiriac, B. Dragoi, S. Royer, D. Duprez, E. Dumitriu, <i>Bimetallic NiCu nanoparticles confined in the mesopores of SBA-15 as effective catalysts in the hydrogenation of cinnamaldehyde</i> , 4th EucheMs Chemistry Congress August 26–30, 2012 , Prague, Czech Republic	1	0.17
E36 E. Dumitriu, B. Dragoi, A. Ungureanu, A. Chiriac, C. Ciotonea, S. Royer, D. Duprez, <i>Mild drying impregnation method used for the preparation of mesostructured catalytic materials containing Cu, Ni and Co as active phase in hydrogenation of cinnamaldehyde</i> , 4th EucheMs Chemistry Congress August 26–30, 2012 , Prague, Czech Republic	1	0.14
E37 B. Dragoi, A. Ungureanu , A. Chiriac, C. Ciotonea, S. Royer, D. Duprez, E. Dumitriu, <i>Highly Dispersed CuCo (Bi)metallic Catalysts Prepared by Deposition-Precipitation on Mesoporous SBA-15 Support for the Cinnamaldehyde Hydrogenation</i> , 4th EucheMs Chemistry Congress August 26–30, 2012 , Prague, Czech Republic	1	0.14
E38 C. Rudolf, A. Chiriac, B. Dragoi, A. Ungureanu , E. Dumitriu, <i>Preparation of Hydrogenation Catalysts by Bimetallic Precursors Co-precipitation on Mesoporous SBA-15</i> , GECOM-CONCOORD, June 03-08, 2012 , Métabief, France.	1	0.20
E39 B. Dragoi, A. Ungureanu , C. Ciotonea, S. Royer, D. Duprez, E. Dumitriu, <i>Partially hydrophobized mesoporous SBA-15 silica as suitable support for CuCo co-precipitated bimetallic nanoparticles for the hydrogenation of α,β-unsaturated aldehydes</i> , SCRR 2012, Catalysis: From the Active Site to the Process, 8th–9th October 2012 , Lisbon, Portugal	1	0.17
E40 A. Ungureanu , B. Dragoi, A. Chiriac, C. Ciotonea, S. Royer, D. Duprez, E. Dumitriu, <i>SBA-15 supported cobalt nanoparticles as new chemoselective catalysts for the hydrogenation of cinnamaldehyde</i> , SCRR 2012, Catalysis: From the Active Site to the Process, 8th–9th October 2012 , Lisbon, Portugal	1	0.14
E41 A. Chiriac, B. Dragoi, A. Ungureanu , C. Ciotonea, S. Royer, D. Duprez, E. Dumitriu, <i>Monometallic Cu-based catalysts dispersed on mesoporous SBA-15 silica by different methods for the cinnamaldehyde hydrogenation</i> , International Conference, Centenary of Education in Chemical Engineering, Iasi, Romania, November, 28-30, 2012	1	0.14
E42 A. Moscu-Corcodei, B. Dragoi, A. Chiriac, A. Ungureanu , V. Hulea, E. Dumitriu, <i>Copper based catalysts obtained by intercalation of Cu-EDTA complex in MgAl-LDH for selective hydrogenation of cinnamaldehyde</i> , International Conference, Centenary of Education in Chemical Engineering, Iasi, Romania, November, 28-30, 2012	1	0.17
E43 A. Sasu, B. Dragoi, A. Ungureanu , E. Dumitriu, V. Hulea, <i>Selective conversion of styrene oxide to 2-phenylethanol by catalytic cascade reactions</i> , 15th International Congress on Catalysis, Munich, Germany, July 1 – 6, 2012	1	0.20
E44 Brindusa Dragoi, Alexandra Sasu, Adrian Ungureanu , Sébastien Royer, Daniel Duprez, Emil Dumitriu, <i>Catalyseurs à base d'hydroxydes doubles lamellaires non-calcinés à base de cuivre et nickel pour les réactions d'hydrogénation</i> , 4eme réunion GFZ-GeCat, 23-26 mai 2011 , Arêches, France	1	0.17
E45 Adrian Ungureanu , Brindusa Dragoi, Alexandru Chiriac, Sébastien Royer, Daniel Duprez, Emil Dumitriu, <i>Effet de la température de calcination sur les propriétés des catalyseurs bimétalliques de type Cu-Ni supporté sur SBA-15</i> , 4eme réunion GFZ-GeCat, 23-26 mai 2011 , Arêches, France	1	0.17
E46 Brindusa Dragoi, Alexandru Chiriac, Adrian Ungureanu , Sébastien Royer, Daniel Duprez, Anne-Sophie Mamede, Emil Dumitriu, <i>Effet du mode de synthèse des catalyseurs bimétalliques CuNi/SBA-15 sur l'activité en hydrogénation du cinnamaldéhyde</i> , 4eme réunion GFZ-GeCat, 23-26 mai 2011 , Arêches, France	1	0.17
E47 V. Hulea, A. Ungureanu , B. Dragoi, E. Dumitriu, D. Meloni, V. Solinas, <i>Acidic and Catalytic Properties of Mesoporous SBA-15 Aluminosilicates Synthesized by pH-adjusting Method</i> , 5th International FEZA Conference, July, 3-7, 2011 , Valencia, Spain	1	0.17
E48 A. Chiriac, C. Rudolf, B. Dragoi, A. Ungureanu , E. Dumitriu, <i>Non-noble (bi)metallic based catalysts for the hydrogenation of cinnamaldehyde</i> , 6th International Conference Environmental Engineering and Management, September 1 – 4, 2011 , Balatonalmádi, Hungary	1	0.20
E49 A. Moscu Corcodei, B. Drăgoi, A. Ungureanu, E. Dumitriu, <i>Catalizatori pentru hidrogenare chemoselectiva obtinuti prin intercalarea Cu-EDTA in hidroxizi dublu lamelari MgAl</i> , ZFICPM, Materiale si Procese Inovative, Iasi, 17-18 Noiembrie, 2011	1	0.25
E50 I. Mazilu, A. Chiriac, B. Drăgoi, A. Ungureanu , E. Dumitriu, <i>Sinteza aluminosilicilor mezostructurati prin ajustarea pH-ului in doua etape</i> , ZFICPM, Materiale si Procese Inovative, Iasi, 17-18 Noiembrie, 2011	1	0.20

E51 C. Rudolf, A. Chiriac, B. Drăgoi, A. Ungureanu , E. Dumitriu, <i>Catalizatori (bi)metalici pe suport de mezoalumina</i> , ZFICPM, Materiale si Procese Inovative, Iasi, 17-18 Noiembrie, 2011	1	0.20
E52 B. Dragoi, A. Chiriac, A. Ungureanu , E. Dumitriu, <i>Sinteza catalizatorilor CuCo prin co-precipitare pe suporturi mezostructurate anorganice si anorganice-organice cu aplicatii in hidrogenarea cinamaldehydei</i> , ZFICPM, Materiale si Procese Inovative, Iasi, 17-18 Noiembrie, 2011	1	0.25
E53 A. Sasu, B. Dragoi, A. Ungureanu , V. Hulea, E. Dumitriu, <i>Hidrogenarea trans-cinamaldehydei si a stiren oxidului in prezenta catalizatorilor de tip MgNiCuAl-HDL</i> , ZFICPM, Materiale si Procese Inovative, Iasi, 17-18 Noiembrie, 2011	1	0.20
E54 Brindusa Dragoi, Adrian Ungureanu , Alexandru Chiriac, Sebastien Royer, Daniel Duprez, Emil Dumitriu, <i>Structural and catalytic properties of SBA-15 - supported nickel-copper nanoparticles</i> , 1st International Workshop ENMIX, Nanostructured materials for sorption, separation and catalysis, October 4-5, 2010 , Antwerp, Belgium	1	0.17
E55 P. Apopei, C. Catrinescu, A. Ungureanu , D. Luca, C. Teodosiu, <i>Photocatalytic oxidation of 4-chlorophenol over pure rutile and anatase separated from Degussa P25 TiO2 powder</i> , International Conference of the Romanian Catalysis Society, RomCat, June 23-26, 2010 , Iasi, Romania	1	0.20
E56 B. Dragoi, V. La Parola, A. M. Venezia, A. Ungureanu , E. Dumitriu, <i>HDS catalytic activity of CoMo supported on inorganic and organic-inorganic SBA-15 mesoporous materials</i> , International Conference of the Romanian Catalysis Society, RomCat, June 23-26, 2010 , Iasi, Romania	1	0.20
E57 A. Chiriac, B. Dragoi, A. Ungureanu , V. Hulea, E. Dumitriu, <i>Effect of the preparation method on the catalytic properties of bimetallic CuNi/SBA-15 catalysts in the hydrogenation of cinnamaldehyde</i> , International Conference of the Romanian Catalysis Society, RomCat, June 23-26, 2010 , Iasi, Romania	1	0.20
E58 A. Sasu, B. Dragoi, A. Chiriac, A. Ungureanu , V., Hulea, E. Dumitriu, <i>MgCoCuAl hydrotalcite-like materials as catalysts for selective hydrogenation reactions</i> , International Conference of the Romanian Catalysis Society, RomCat, June 23-26, 2010 , Iasi, Romania	1	0.17
E59 A. Ungureanu , A. Chiriac, A. Sasu, B. Dragoi, E. Dumitriu, <i>Study of hydrogen chemisorption on CuNi-containing SBA-15 mesoporous catalysts</i> , International Conference of the Romanian Catalysis Society, RomCat, June 23-26, 2010 , Iasi, Romania	1	0.20
E60 B. Dragoi, V. La Parola, A. M. Venezia, A. Ungureanu , E. Dumitriu, <i>Effect of the support topology on the catalytic activity of CoMo-based catalysts in HDS reaction</i> , International Conference of the Romanian Catalysis Society, RomCat, June 23-26, 2010 , Iasi, Romania	1	0.20
E61 A. Chiriac, B. Dragoi, A. Ungureanu , A. Sasu, E. Dumitriu, <i>Prepararea catalizatorilor lamelari ZnNiCuAl pentru reactii de hidrogenare selectiva</i> , ZFICPM, Noi frontiere in chimie si inginerie chimica, Iasi, 18-20 Noiembrie, 2009	1	0.20
E62 A. Chiriac, B. Dragoi, A. Ungureanu , E. Dumitriu, <i>Sinteza si caracterizarea materialelor catalitice de tip CuNi/SBA-15 cu aplicatii in hidrogenarea trans-cinamaldehydei</i> , ZFICPM, Noi frontiere in chimie si inginerie chimica, Iasi, 18-20 Noiembrie, 2009	1	0.25
E63 A. Sasu, B. Dragoi, A. Chiriac, A. Ungureanu , E. Dumitriu, <i>Hidroxizi dublu lamelari pe baza de ZnNiCoAl: Studiu asupra proprietatilor structurale si texturale</i> , ZFICPM, Noi frontiere in chimie si inginerie chimica, Iasi, 18-20 Noiembrie, 2009	1	0.20
E64 R.E. Apreutesei, C. Catrinescu, A. Ungureanu , C. Teodosiu, <i>Removal Of 4-Chlorophenol By Surfactant Modified Zeolites And Surfactant Modified Alkali-Treated Natural Zeolites</i> , 5th International Conference Environmental Engineering and Management, September 15 – 19, 2009 , Tulcea, Danube Delta, Romania	1	0.25
E65 D. Arsene, C. Catrinescu, A. Ungureanu , C. Teodosiu, <i>Catalytic Wet Hydrogen Peroxide Oxidation Of 4-Chlorophenol Over Iron-Exchanged Clays</i> , 5th International Conference Environmental Engineering and Management, September 15 – 19, 2009 , Tulcea, Danube Delta, Romania	1	0.25
E66 R.E. Apreutesei, C. Catrinescu, A. Ungureanu , C. Teodosiu, <i>Adsorption of 4-chlorophenol on surfactant modified alkali-treated natural zeolites</i> , XIV International Clay Conference, Castellanea Marina, Italy, June 14-20, 2009	1	0.25
E67 A. Andronie, I. Stamatina, E. Dumitriu, A. Ungureanu , S. Iordache, <i>Cesium Phosphate – Mesoporous Silica Based Oxides as Fuel Cell Electrolytes</i> , 9th International Balkan Workshop on Applied Physics, Constanta, Romania, July 7-9, 2008 .	1	0.20

E68 I. Stamatin, A. Andronie, E. Dumitriu, A. Ungureanu , S. Iordache, <i>Composites Based on Cesium Sulphate Solid Acid For Fuel Cell Applications</i> , 9th International Balkan Workshop on Applied Physics, Constanta, Romania, July 7-9, 2008 .	1	0.20
E69 A. Ungureanu , B. Dragoi, E. Dumitriu, <i>Phase Transition Behavior of CsH₂PO₄ Superprotonic Acid Salt in Silica Mesoporous Composites</i> , 6th International Mesoporous Materials Symposium: Design and Opportunities, Namur, Belgium, September 8-11, 2008 .	1	0.33
E70 A. Ungureanu , B. Dragoi, E. Dumitriu, <i>Modified MCM-41 Ordered Mesoporous Silicas as Suitable Supports Adsorption</i> , XL Annual Polish Conference on Catalysis, Catalysis for Society, Cracow, Poland, May 11-15, 2008 .	1	0.33
E71 A. Ungureanu , B. Dragoi, E. Dumitriu, <i>CsH₂PO₄/Mesoporous Silica Composites for Applications in SAFC-type Electrocatalytic Systems</i> , XL Annual Polish Conference on Catalysis, Catalysis for Society, Cracow, Poland, May 11-15, 2008 .	1	0.33
E72 A. Ungureanu , B. Dragoi, D. Meloni, V. Hulea, V. Solinas, E. Dumitriu, <i>Ordered Mesoporous SBA-15 Aluminosilicates with Low Si/Al Ratio and High Acidity for Catalytic Applications</i> , XL Annual Polish Conference on Catalysis, Catalysis for Society, Cracow, Poland, May 11-15, 2008 .	1	0.17
E73 A. Ungureanu , E. Dumitriu, <i>Aluminosilicati Micro-Mezostructurati – Noi Materiale Catalitice Hibrice pentru Alchilarea Moleculelor Aromatice</i> , Zilele Facultatii de Inginerie Chimica si Protectia Mediului 4, Iasi, Romania, 15-16 Noiembrie, 2007 .	1	0.50
E74 A. Ungureanu , O. Rusu, B. Dragoi, A. Bendrea (Botomei), V. Hulea, E. Dumitriu, <i>Materiale Mezoporoase Ordonate de tip Al-SBA-15 cu Inalt Continut de Aluminu</i> , Zilele Facultatii de Inginerie Chimica si Protectia Mediului 4, Iasi, Romania, 15-16 Noiembrie, 2007 .	1	0.17
E75 B. Dragoi, A. Ungureanu , A. Bendrea (Botomei), E. Dumitriu, <i>Acizi Solizi Superprotonici pentru Pilele de Combustie. Sinteza si Caracterizarea CsHSO₄, CsH₂PO₄ si Compozitele lor cu Silice Mezoporoasa</i> , Zilele Facultatii de Inginerie Chimica si Protectia Mediului 4, Iasi, Romania, 15-16 Noiembrie, 2007 .	1	0.25
E76 B. Dragoi, A. Bendrea (Botomei), A. Ungureanu , E. Dumitriu, <i>Influenta Componentei Organice din Materialele Mezoporoase Hibrice asupra Imobilizarii Lipazei CALB</i> , Zilele Facultatii de Inginerie Chimica si Protectia Mediului 4, Iasi, Romania, 15-16 Noiembrie, 2007 .	1	0.25
E77 A. Bendrea (Botomei), A. Ungureanu , B. Dragoi, V. Hulea, A. Nastro, E. Dumitriu, <i>Sinteza si Caracterizarea Materialelor Hibrice Organice-Anorganice Rezultate prin Introducerea Acidului Acetilsalicilic in Gazde Anorganice de tip MAI-LDH</i> , Zilele Facultatii de Inginerie Chimica si Protectia Mediului 4, Iasi, Romania, 15-16 Noiembrie, 2007 .	1	0.17
E78 A. Bendrea (Botomei), B. Dragoi, A. Ungureanu , V. Hulea, A. Nastro, E. Dumitriu, <i>Materiale Hibrice Obtinute prin Intercalarea Acidului Anisic in Hidroxizi Dubli Lamelari</i> , Zilele Facultatii de Inginerie Chimica si Protectia Mediului 4, Iasi, Romania, 15-16 Noiembrie, 2007 .	1	0.17
E79 T.V. Hoang, Q. Huang, A. Ungureanu , M. Eic, D. Trong-On, S. Kaliaguine, <i>Effect of the Acid Properties on the Diffusion of C7 Hydrocarbons in UL-ZSM-5 Materials</i> , Diffusion Fundamentals I, Basic Principles of Theory, Experiment and Application, Leipzig, Germany, September 22 – 24, 2005 .	1	0.17
E80 A. Ungureanu , H.V. Thang, D. Trong On, E. Dumitriu, S. Kaliaguine, <i>Transalkylation of Toluene with 1,3,5-Trimethylbenzene over UL-ZSM-5 Materials</i> , The 7th National Symposium on Catalysis, Bucuresti, Romania, 14-15 Octombrie, 2004 .	1	0.20
E81 A. Ungureanu , S. Royer, T.V. Hoang, D. Trong On, E. Dumitriu, S. Kaliaguine, <i>Aldol Condensation of Aldehydes over UL-ZSM-5</i> , 4th International Mesoporous Materials Symposium, Cape Town, South Africa, May 1-4, 2004 .	1	0.20
E82 A. Ungureanu , S. Royer, T.V. Hoang, D. Trong On, E. Dumitriu, S. Kaliaguine, <i>Aldol Condensation of Aldehydes over Semicrystalline Zeolitic Mesoporous UL-ZSM-5 Materials</i> , 18th Canadian Symposium on Catalysis, Montreal, Canada, May 16-19, 2004 .	1	0.20
E83 A. Ungureanu , D. Trong On, E. Dumitriu, S. Kaliaguine, <i>Mesoporous Zeolitic Titania-silica as Catalysts for Hydroxylation of Bulky Molecules by H₂O₂</i> , Workshop on Nanoparticles and Nanoporous Materials for Environment and Energy Applications, Sydney, Australia, January 28-30, 2004 .	1	0.25
	Total E	15.48
Total puncte candidat		64.48

4. Proiecte de cercetare-dezvoltare (P1, P2 etc.) pe bază de contract/ grant, precum și alte lucrări de cercetare-dezvoltare (F1, F2 etc.), după caz, prin care se aduc contribuții la dezvoltarea mediului educațional/ cultural/ economic/ social etc.

		Punctajul lucrării	Puncte candidat
P	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție internațională		
	P1 PROIECT PNCDI IV, Program 5.8 - Cooperare Europeană și Internațională, Proiecte de mobilitate bilaterală România-Franța, UEFISCDI, Cod proiect: PN-IV-P8-8.3-PM-RO-FR-2024-0152, Contract 10BMFR/23.09.2024 <i>Nanomateriale catalitice avansate pentru aplicații de mediu (CatEnA)</i> Director de proiect , perioada: 2024-2025 Valoare 2024: 15217 RON, BUGET ANUAL MEDIU TUIASI, 2023 = 171540 RON, Contributie egala cu 25%; Valoare 2025: 15217 RON, BUGET ANUAL MEDIU TUIASI, 2023 = 171540 RON, Contributie egala cu 25%; $40 \times 15217 / 171540 = 3.5$; $3.5 \times 25 / 100 = 0.9$ $40 \times 15217 / 171540 = 3.5$; $3.5 \times 25 / 100 = 0.9$	7.00	1.80
	P2 PROIECT PN II – Capacități, Modulul III - Proiecte de sprijinire a participării României la proiecte internaționale de cercetare, Proiecte de cooperare bilaterală România-Franța, UEFISCDI, Cod proiect: PN-II-CT-RO-FR-2012-1-0052, Contract 710/2013 <i>Ordered Mesoporous Aluminas as New Catalytic Supports of Highly Dispersed Copper Nanoparticles for Chemoselective Hydrogenations (ALCAT)</i> Director de proiect , perioada: 2013-2014 Valoare 2013: 9895.19 RON, BUGET ANUAL MEDIU TUIASI, 2013 = 247925 RON, Contributie egala cu 25%; Valoare 2014: 3409 RON, BUGET ANUAL MEDIU TUIASI, 2014 = 113898 RON, Contributie egala cu 25%. $40 \times 9895.19 / 247925 = 1.6$; $1.6 \times 25 / 100 = 0.4$ $40 \times 3409 / 113898 = 1.2$; $1.2 \times 25 / 100 = 0.3$	2.80	0.70
	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție națională sau încheiate cu institute de cercetare, companii, regii, societăți comerciale		
	P3 PROIECT GNaC-ARUT Fondul pentru Finanțarea Cercetării Științifice Universitare ARUT TUIASI, Cod proiect: GNaC 2023_253/2024 Director de proiect: Conf.dr.habil. ing. Cezar Catrinescu <i>Sinteza, caracterizarea și utilizarea nanoparticulelor de oxid de fier, confinate în silicea mezoporoasă de tip SBA-15, pentru oxidarea Fenton a unor poluanți organici persistenți</i> Membru , perioada: 2024-2025 Valoare 2024-2025: 49771 RON, BUGET ANUAL MEDIU TUIASI, 2023 = 171540 RON, Contributie egala cu 25%. $30 \times 49771 / 171540 = 8.7$; $8.7 \times 25 / 100 = 2.18$	8.70	2.18
	P4 PROIECT PN III – Programul 1: Dezvoltarea sistemului național de cercetare-dezvoltare, Subprogramul 1.1 – Resurse Umane. Proiecte de mobilitate pentru tineri cercetători din diaspora (dr. Carmen Ciotonea) UEFISCDI, Cod proiect: PN-III-P1-1.1-MCT-2019-0118, Contract 14/21.10.2019 Valoare 2019: 5700 RON Responsabil de proiect TUIASI , perioada: 11/2019	*	*

	<p>P5 PROIECT PN II – Resurse Umane, Proiecte de cercetare pentru stimularea constituirii de tinere echipe de cercetare independente – TE UEFISCDI, Cod proiect: PN-II-RU-TE-2012-3-0403, Contract 3/2013 <i>Nanocatalizatori Metalici pentru Sinteza Chimicalelor Fine Preparați prin Controlul Mediului Local al Suporturilor Mezostructurate (NanoMesoChem)</i></p> <p>Director de proiect, perioada: 2013-2016</p> <p>Valoare 2013: 284904 RON, BUGET ANUAL MEDIU TUIASI, 2013 = 247925 RON, Contributie egala cu 25%; Valoare 2014: 144186 RON, BUGET ANUAL MEDIU TUIASI, 2014 = 113898 RON, Contributie egala cu 25%; Valoare 2015: 126000 RON BUGET ANUAL MEDIU TUIASI, 2015 = 171178 RON, Contributie egala cu 25%; Valoare 2016: 94910 RON BUGET ANUAL MEDIU TUIASI, 2016 = 175968 RON, Contributie egala cu 25%.</p> <p>$30 \times 284904 / 247925 = 34.48$; $34.48 \times 25 / 100 = 8.62$ $30 \times 144186 / 113898 = 37.98$; $37.98 \times 25 / 100 = 9.49$ $30 \times 126000 / 171178 = 22.08$; $22.08 \times 25 / 100 = 5.52$ $30 \times 94910 / 175968 = 16.18$; $34.48 \times 25 / 100 = 4.05$</p>	110.72	27.68
	<p>P6 PROIECT PN II – Idei, Proiecte de cercetare exploratorie de tip PCE UEFISCDI, Cod proiect PN-II-ID-PCE-2011-3-0868, Contract 264/2011 Director de proiect: Prof.dr.ing. Emil Dumitriu <i>O Noua Abordare pentru Prepararea de Nanoparticule (Bi)Metalice Nenobile Suportate pe Silice Mezoporoasa Ordonata pentru Aplicatii Catalitice (NanoMesoCat)</i></p> <p>Membru, perioada: 2012-2015</p> <p>Valoare 2012: 586100 RON BUGET ANUAL MEDIU TUIASI, 2012 = 140987 RON, Contributie egala cu 25%; Valoare 2013: 235068.71 RON BUGET ANUAL MEDIU TUIASI, 2013 = 247925 RON, Contributie egala cu 25%; Valoare 2014: 146625 RON, BUGET ANUAL MEDIU TUIASI, 2014 = 113898 RON, Contributie egala cu 25%; Valoare 2015: 139453 RON BUGET ANUAL MEDIU TUIASI, 2015 = 171178 RON, Contributie egala cu 25%.</p> <p>$30 \times 586100 / 140987 = 124.71$; $124.71 \times 25 / 100 = 31.18$ $30 \times 235068 / 247925 = 28.45$; $28.45 \times 25 / 100 = 7.11$ $30 \times 146625 / 113898 = 38.62$; $38.62 \times 25 / 100 = 9.66$ $30 \times 139453 / 171178 = 24.44$; $24.44 \times 25 / 100 = 6.11$</p>	216.22	54.06

<p>P7 PROIECT PN II – Idei, Proiecte de cercetare exploratorie de tip PCE UEFISCDI, Cod proiect 1582, Contract 485/2009 Director de proiect: Prof.dr.ing. Emil Dumitriu <i>Noi Valențe ale Hidroxizilor Dubli Lamelari în Hidrogenări Chemoselective cu Aplicații în Sinteza Organică Fină</i> Membru, perioada: 2009-2011</p> <p>Valoare 2009: 90388.81 RON, BUGET ANUAL MEDIU TUIASI, 2009 = 11828.2 RON, Contributie egala cu 25%; Valoare 2010: 150000 RON, BUGET ANUAL MEDIU TUIASI, 2010 = 117096.6 RON, Contributie egala cu 25%; Valoare 2011: 171896 RON, BUGET ANUAL MEDIU TUIASI, 2011 = 102539.8 RON, Contributie egala cu 25%.</p> <p>$30 \times 90388.81 / 11828.2 = 22.93$; $22.93 \times 25 / 100 = 5.73$ $30 \times 150000 / 117096.6 = 38.43$; $38.43 \times 25 / 100 = 9.61$ $30 \times 171896 / 102539.8 = 50.29$; $50.29 \times 25 / 100 = 12.57$</p>	111.65	27.91
<p>P8 PROIECT CEEX, Modulul I, MENER 704/2006 Director de proiect: Prof.dr.ing. Emil Dumitriu <i>Pile de Combustie de Nouă Generație cu Electrolit Solid Superacid (SAFC) pentru Exploatare la Temperaturi 200-300 °C</i> Membru, perioada: 2006-2009</p>	*	*
<p>P9 PROIECT CEEX, Modulul I, MATNANTECH 2989P/2005 Director de proiect: Prof.dr.ing. Emil Dumitriu <i>Noi Catalizatori Oxidici Nano-structurati pentru Procese Industriale care asigură o Dezvoltare Durabilă</i> Membru, perioada: 2006-2008</p>	*	*
<p>P10 PROIECT CEEX, Modulul II, UEFISCSU 5922/2006 Director de proiect: Prof.dr.ing. Emil Dumitriu <i>Noi Nanomateriale Poroase Hibride Mezostructurate pentru Aplicatii Catalitice Avansate (MEZOHIBCAT)</i> Membru, cercetator stiintific postdoctoral - TUIASI, perioada: 2006-2009</p>	*	*
<p>P11 PROIECT CEEX, Modulul II, UEFISCSU 2005 Director de proiect: Prof.dr. Ioan Stamatian <i>Celule de Combustie - Stocare de Hidrogen</i> Membru, cercetator stiintific postdoctoral - Universitatea din Bucuresti, perioada: 2005</p>	*	*
Proiecte de cercetare-dezvoltare implementate în străinătate		
<p>P12 Strategic Projects - National Science and Engineering Research Council (NSERC) of Canada Director de proiect: Prof. Serge Kaliaguine <i>Micro-mesoporous Molecular Sieves: UL-Zeolites</i> Membru - Universitatea Laval, Quebec, Canada, perioada: 2001-2005</p>	*	*
<p>P13 Partenariat Conseil de recherches en sciences naturelles et génie Canada-Professeurs-chercheurs industriels / Chaire (PCI) (NSERC of Canada, General Motors Company of Canada, Nanox Inc., Silicycle Inc., Ultramar Canada Inc., Université Laval – BDR) Director de proiect: Prof. Serge Kaliaguine <i>Chaire Industrielle: Nanomaterials: Adsorbents, Catalysts and Membranes</i> Membru - Universitatea Laval, Quebec, Canada, perioada: 2003-2005</p>	*	*
Total puncte candidat		114.33

Observații:

- Indicativele scrise cu "**bold**" se referă la lucrările realizate după acordarea ultimului titlu didactic;
- Deși TUIASI nu impune un Standard minimal privind *contribuțiile științifice la dezvoltarea domeniului* (acestea fiind evaluate doar în raport cu standardele minimale naționale de prezentare la concurs pentru postul de profesor universitar) sau *realizarea de proiecte de cercetare-dezvoltare*, s-a optat totuși pentru calculul numărului de puncte aferente capitolelor 3^o și 4^o, conform Anexei 3.
- La capitolul 4^o, punctajele se referă doar la proiecte de cercetare-dezvoltare implementate în ultimii 15 ani.

Data: 16.12.2024

Candidat: Conf. univ. dr. habil. ing. Adrian Ungureanu