

## **CENTRALIZATOR REZULTATE**

## 1. Date de identificare

- **Statut juridic:** Institutie de cercetare-dezvoltare de interes public, institut al Academiei Romane
- **Act de infiintare:** O 611/1950, HG 197/02.03.1990
- **Numar de inregistrare in Registrul Potentialilor Contractor:** 1753
- **Director:** Dr. Anton AIRINEI
- **Secretar Stiintific:** dr. Marcela MIHAI
- **Adresa:** 700487 Iasi, Aleea Grigore Ghica Voda, nr. 41A
- **Telefon:** +40-232-217454; Fax: +40-232-211299;  
Pagina web: [www.icmpp.ro](http://www.icmpp.ro); e-mail: pponi@icmpp.ro

## 2. Domeniu de specialitate

- **Conform clasificarii UNESCO:** 23.04; 23.06
- **Conform clasificarii CAEN:** 7310

## 3. Stare institut

### 3.1. Misiune

- Cercetare fundamentala si aplicativa in domeniul polimerilor si materialelor polimere
- Specializare prin intermediul programelor doctorale si/sau postdoctorale tineri cercetatori
- Oferta servicii si consultanta partenerilor regionali si nationali
- Productie la scara mica de polimeri si materiale polimere cu utilizari specifice.

### 3.2 Directii de cercetare:

- Chimie supramoleculara, fizico-chimia suprafetelor
- Materiale polimere din resurse regenerabile. Protectia mediului. Conservarea energiei
- Materiale polimere proiectate pentru bioaplicatii
- Polimeri pentru aplicatii de inalta performanta. Materiale nanodimensionate/nanostructurate

### 3.3 Modul de valorificare a rezultatelor de cercetare, dezvoltare, inovare si gradul de recunoastere a acestora:

- Pozitionarea cercetatorilor: cercetatori cu indice Hirsch mai mare de 8: **118**
- Numarul total de citari ale articolelor: **37,263 (fara autocitari)**
- Numarul de citari ale articolelor in 2019: **5605** (la 5.12.2017)

### 3.4. Numarul personalului de cercetare:

- CS - CS I: 139;
- AC: 59

### 3.5. Numarul total al personalului: 283

<b>4. CRITERII DE PERFORMANTA IN CERCETAREA STIINTIFICA</b>	
<i>4.5. Carte editata intr-o editura consacrata din strainatate:</i> 1	109
<i>4.14a. Articole publicate in reviste cotate de Web of Science (Thomson Reuters):</i> 225	109
<i>4.14b. Lucrari publicate in strainatate, in reviste necotate ISI:</i> 9	121
<i>4.16a. Lucrari publicate in volume de manifestari stiintifice internationale:</i> 8	122
<i>4.16b. Lucrari publicate in volume de manifestari stiintifice nationale:</i> 4	122
<i>4.17. Capitole carti in strainatate:</i> 29	123
<i>4.19. Numar de citari conform Web of Science</i>	124
<i>4.20. Factor de impact cumulat</i>	124
<i>4.24. Conferinte invitate / plenare prezentate la manifestari stiintifice internationale:</i> 18	125
<i>4.25. Conferinte invitate/plenare prezentate la manifestari stiintifice nationale:</i> 20	126
<i>4.26a. Comunicari orale prezentate la manifestari stiintifice internationale:</i> 88	126
<i>4.26b. Postere prezentate la manifestari stiintifice internationale:</i> 79	132
<i>4.27a. Comunicari orale prezentate la manifestari stiintifice nationale:</i> 40	137
<i>4.27b. Postere prezentate la manifestari stiintifice nationale:</i> 34	140
<b>5. CAPACITATEA DE A ATRAGE FONDURI DE CERCETARE</b>	
<i>5.1. Proiecte de cercetare internationale finantate din fonduri publice:</i> 18	142
<i>5.2. Proiecte de cercetare nationale finantate din fonduri publice:</i> 23	143
<i>5.3. Proiecte de cercetare internationale finantate din fonduri private:</i> 2	145
<i>5.5. Manifestari stiintifice sau scoli de vara internationale organizate:</i> 2	145
<b>6. CAPACITATEA DE A DEZVOLTA SERVICII, TEHNOLOGII, PRODUSE</b>	
<i>6.1. Brevete acordate:</i> 8	146
<i>6.2. Cereri de brevete:</i> 6	146
<i>6.3. Brevet citat in Web of Science</i>	147
<i>6.4. Produse si tehnologii rezultate din activitati de cercetare (produse vandute)</i>	147
<i>6.5. Laboratoare de cercetare acreditate:</i> 2	147
<b>7. CAPACITATEA DE A PREGATI TINERI CERCETATORI</b>	
<i>7.2. Conducatori de doctorat care activeaza in institut:</i> 22	147
<i>7.2a. Teze de abilitare:</i> 3	148
<i>7.3. Doctoranzi in stagi:</i> 28	148
<i>7.4. Post-doctoranzi sustinuti din alte surse de finantare:</i> 3	151
<i>7.5. Teze de doctorat sustinute:</i> 2	151
<b>8. PRESTIGIUL STIINTIFIC</b>	
<i>8.1. Membri in colective de redactie ale revistelor nationale/internationale:</i> 42	151
<i>8.2. Membri in conducerea unei organizatii internationale de specialitate:</i> 7	152
<i>8.3. Membri ai Academiei Romane:</i> 1	152
<i>8.4. Cercetatori cu indice Hirsch peste 8:</i> 118	152
<i>8.6. Premii ale Academiei Romane:</i> 2	155
<i>8.7. Premii nationale:</i> 4	155
<i>8.8. Premii internationale:</i> 15	155
<i>8.9. Stagii in strainatate:</i> 7	156

## 4. CRITERII DE PERFORMANTA IN CERCETAREA STIINTIFICA

### 4.5. Carte editata intr-o editura consacrata din strainatate: 1

1. Polymeric Nanomaterials in Nanotherapeutics, C. Vasile, Ed., Elsevier, Amsterdam, 558 p

### 4.14a. Articole publicate in reviste cotate de Web of Science (Thomson Reuters): 225

1. Cellulose: A ubiquitous platform for ecofriendly metal nanoparticles preparation, G. Biliuta, S. Coseri, Coordination Chemistry Reviews, 383, 155-173, FI = 13,476
2. Biomaterials of PVA and PVP in medical and pharmaceutical applications: Perspectives and challenges, M. Teodorescu, M. Bercea, S. Morariu, Biotechnology Advances, 37, 109-131, FI = 12,831
3. Pattern preferences of DNA nucleotide motifs by polyamine putrescine<sup>2+</sup>, spermidine<sup>3+</sup> and spermine<sup>4+</sup>, S. Perepelytsya, J. Ulicny, A. Laaksonen, F. Mocci, Nucleic Acid Research, 47, 6084-6097, FI = 11,147
4. Determination of the small amount of proteins interacting with TiO<sub>2</sub> nanotubes by AFM-measurement, Y. Dong, X. Ji, A. Laaksonen, W. Cao, R. An, L. Lu, X. Lu, Biomaterials, 192, 368-376, FI = 10,273
5. Preparation and characterization of stacked planar actuators, C. Tugui, M. S. Serbulea, M. Cazacu, Chemical Engineering Journal, 364, 217-225, FI = 8,355
6. Nitrosalicyl-imine-chitosan hydrogels based drug delivery systems for long term sustained release in local therapy, A. M. Craciun, L. Mititelu Tartau, M. Pinteala, L. Marin, Journal of Colloid and Interface Science, 536, 196-207, FI = 6,361
7. Room temperature hysteretic spin crossover in a new cyanoheterometallic framework, V. M. Hiiuk, S. Shova, A. Rotaru, V. Ksenofontov, I. O. Fritsky, I. A. Gural'skiy, Chemical Communications, 55, 3359-3362, FI = 6,164
8. Self-healing hydrogels of oxidized pullulan and poly(vinyl alcohol), M. Bercea, G. Biliuta, M. Avadanei, R. I. Baron, M. Butnaru, S. Coseri, Carbohydrate Polymers, 206, 210-219, FI = 6,044
9. Development of chitosan-poly(ethyleneimine) based double network cryogels and their application as superadsorbents for phosphate, E. S. Dragan, D. Humelnicu, M. V. Dinu, Carbohydrate Polymers, 210, 17-25, FI = 6,044
10. Designing chitosan eco-friendly multifunctional soil conditioner systems with urea controlled release and water retention, M. M. Iftime, G. L. Ailiesei, E. Ungureanu, L. Marin, Carbohydrate Polymers, 223, Article 115040/1-10, FI = 6,044
11. Block copolymers containing dextran and deoxycholic acid polyesters. Synthesis, self-assembly and hydrophobic drug encapsulation, M. C. Stanciu, M. Nichifor, G. Mocanu, C. Tuchilus, G. L. Ailiesei, Carbohydrate Polymers, 223, Article 115118/1-9, FI = 6,044
12. Amphiphilic polysaccharide based curdlan: Synthesis and behaviour in aqueous solution, I. Popescu, I. M. Pelin, G. L. Ailiesei, D. L. Ichim, D. M. Suflet, Carbohydrate Polymers, 224, Article 115157/1-10, FI = 6,044
13. Polysaccharides constructed hydrogels as vehicles for proteins and peptides. A review, E. S. Dragan, M. V. Dinu, Carbohydrate Polymers, 225, Article 115210/1-18, FI = 6,044
14. Fluorescent chitosan hydrogel for highly and selectively sensing of p-nitrophenol and 2,4,6-trinitrophenol, S. Xiong, L. Marin, L. Duan, X. Cheng, Carbohydrate Polymers, 225, Article 115253/1-10, FI = 6,044
15. New perspectives in development of polysulfones/cellulose derivatives based ionic-exchange membranes: Dielectric response and hemocompatibility study, A. Filimon, A. M. Dobos, V. Musteata, Carbohydrate Polymers, 226, Article 115300/1-13, FI = 6,044
16. Antagonistic effects in structural design of sulfur-based polyimides as shielding layers for solar cells, C. Hulubei, R. M. Albu, G. Lisa, A. Nicolescu, E. Hamciuc, C. Hamciuc, A. I. Barzic, Solar Energy Materials and Solar Cells, 193, 219-230, FI = 6,019
17. Synergetic effect between structural manipulation and physical properties toward perspective electrochromic n-type polyimides, C. P. Constantin, A. E. Bejan, M. D. Damaceanu, Macromolecules, 52, 8040-8055, FI = 5,997
18. Natural bio-based products for wood coating and protection against degradation: A review, C. A. Teaca, D. Rosu, F. Mustata, T. Rusu, L. Rosu, I. Rosca, C. D. Varganici, BioResources, 14, 4873-4901, FI = 5,807

19. Tuning electrical properties of polythiophene/nickel nanocomposites via fabrication, P. Pascariu, D. Vernardou, M. P. Sucheana, A. Airinei, L. Ursu, S. Bucur, I. V. Tudose, O. N. Ionescu, E. Koudoumas, *Materials and Design*, 182, Article 108027/1-9, FI = 5,770
20. Removal of some commercial pesticides from aqueous dispersions using as flocculant a thymine-containing chitosan derivative, L. Ghimici, I. A. Dinu, *Separation and Purification Technology*, 209, 698-706, FI = 5,107
21. Diagnosis of human echinococcosis via exhaled breath analysis: A promise for rapid diagnosis of infectious diseases caused by helminths, T. G. Welearegay, M. F. Diouani, L. Osterlund, S. Borys, S. Khaled, H. Smadhi, F. Ionescu, M. Bouchekoua, D. Aloui, Z. Laouini, U. Cindemir, R. Ionescu, *Journal of Infectious Diseases*, 219, 101-109, FI = 5,045
22. Influence of crosslinking in loading/release applications of polyelectrolyte multilayer assemblies. A review, C. A. Ghiorghita, F. Bucatariu, E. S. Dragan, *Materials Science and Engineering: C Materials for Biological Applications*, 105, Article 110050/1-20, FI = 4,959
23. Multifunctional magnetic cargo-complexes with radical scavenging properties, A. L. Lungoci, I. A. Turin-Moleavin, A. Corciova, C. Mircea, A. Arvinte, A. Fifere, N. L. Marangoci, M. Pinteala, *Materials Science and Engineering: C Materials for Biological Applications*, 94, 608-618, FI = 4,959
24. Dynamic constitutional chemistry towards efficient nonviral vectors, D. Ailincai, D. Peptanariu, M. Pinteala, L. Marin, *Materials Science and Engineering: C Materials for Biological Applications*, 94, 635-646, FI = 4,959
25. Sequencing bath bioabsorption of micropollutants from aqueous effluents by rapeseed waste: Experimental assessment and statistical modelling, I. Morosanu, C. Teodosiu, A. Coroaba, C. Paduraru, *Journal of Environmental Management*, 230, 110-118, FI = 4,865
26. Novel rare earth (RE-La, Er, Sm) metal doped ZnO photocatalysts for degradation of Congo-Red dye: Synthesis, characterization and kinetic studies, P. Pascariu, C. Cojocar, N. Olaru, P. Samoila, A. Airinei, M. Ignat, L. Sacarescu, D. Timpu, *Journal of Environmental Management*, 239, 225-234, FI = 4,865
27. Nickel(II) complexes with redox noninnocent octaazamacrocycles as catalysts in oxidation reactions, A. Drobov, D. Darvasiova, N. Zalibera, L. Bucinsky, I. Puskarova, P. Rapt, S. Shova, D. Dumitrescu, L. M. D. R. S. Martins, A. J. L. Pombeiro, V. B. Arion, *Inorganic Chemistry*, 58, 11133-11145, FI = 4,850
28. AFM study of pH-dependent adhesion of single protein to TiO<sub>2</sub> surface, Y. Dong, A. Laaksonen, W. Cao, X. Ji, X. Lu, *Advanced Materials Interfaces*, 6, Article 1900411, FI = 4,834
29. Synthesis of novel tellurides bearing benzensulfonamide moiety as carbonic anhydrase inhibitors with antitumor activity, D. Tanini, L. Ricci, A. Capperucci, L. Di Cesare Mannelli, C. Ghelardini, T. S. Peat, F. Carta, A. Angeli, C. Supuran, *European Journal of Medicinal Chemistry*, 181, Article 111586/1-8, FI = 4,833
30. Chitosan-based magnetic adsorbent for removal of water-soluble anionic dye: Artificial neural network modeling and molecular docking insights, C. Cojocar, P. Samoila, P. Pascariu, *International Journal of Biological Macromolecules*, 123, 587-599, FI = 4,784
31. Green route for the fabrication of self-healable hydrogels based on tricarboxy cellulose and poly(vinyl alcohol), R. I. Baron, M. Bercea, M. Avadanei, G. Lisa, G. Biliuta, S. Coseri, *International Journal of Biological Macromolecules*, 123, 744-751, FI = 4,784
32. Multifunctional hybrid 3D network based on hyaluronic acid and a copolymer containing pendant spiroacetal moieties, L. E. Nita, A. P. Chiriac, M. Bercea, A. Ghilan, A. G. Rusu, R. P. Dumitriu, L. Mititelu-Tartau, *International Journal of Biological Macromolecules*, 125, 191-202, FI = 4,784
33. Could the porous chitosan-based composite materials have a chance to a "New Life" after Cu(II) ion binding?, M. M. Lazar, I. A. Dinu, M. Sillion, E. S. Dragan, M. V. Dinu, *International Journal of Biological Macromolecules*, 131, 134-146, FI = 4,784
34. Valorization of lignin in polymer and composite systems for advanced engineering applications - A review, M. N. Collins, M. Nechifor, F. Tanasa, M. Zanoaga, A. McLoughlin, M. A. Strozyk, M. Culebras, C. A. Teaca, *International Journal of Biological Macromolecules*, 131, 828-849, FI = 4,784
35. Interpenetrated polymer network with modified chitosan in composition and self-healing properties, A. G. Rusu, A. P. Chiriac, L. E. Nita, M. Bercea, N. Tudorachi, A. Ghilan, D. Pamfil, D.

- Rusu, F. D. Cojocaru, *International Journal of Biological Macromolecules*, 132, 374-384, FI = 4,784
36. Structural and sorption properties of bionanocomposite films based on k-carrageenan and cellulose nanocrystals, M. C. Popescu, B. I. Dogaru, D. Sun, E. Stoleru, B. C. Simionescu, *International Journal of Biological Macromolecules*, 135, 462-471, FI = 4,784
  37. Associative behavior of k-carrageenan in aqueous solutions and its modification by different monovalent salts as reflected by viscometric parameters, M. Bercea, B. A. Wolf, *International Journal of Biological Macromolecules*, 140, 661-667, FI = 4,784
  38.  $\beta$ -Cyclodextrin as a functional excipient used for enhancing the diminazene aceturate bioavailability, N. Marangoci, D. Timpu, A. Corciova, C. Mircea, A. R. Petrovici, A. Nicolescu, E. L. Ursu, V. Nastasa, A. C. Bostanaru, M. Mares, M. Pertea, M. Pinteala, *Pharmaceutics*, 11, Article 295/1-16, FI = 4,773
  39. Entrapment of N-hydroxyphthalimide carbon dots in different topical gel formulations: New composites with anticancer activity, C. L. Savin, E. Carasevici, C. S. Stan, S. A. Ibanescu, B. C. Simionescu, C. A. Peptu, *Pharmaceutics*, 11, Article 303/1-14, FI = 4,773
  40. An amphiphilic, heterografted polythiophene copolymer containing biocompatible/biodegradable side chains for use as an (electro)active surface in biomedical applications, B. G. Molina, L. Cianga, A. D. Bendrea, I. Cianga, C. Aleman, E. Armelin, *Polymer Chemistry*, 10, 5010-5022, FI = 4,760
  41. Drug delivery systems using pullulan, a biocompatible polysaccharide produced by fungal fermentation of starch, A. G. Grigoras, *Environmental Chemistry Letters*, 171, 1209-1223, FI = 4,617
  42. Intermolecular interactions and self-assembling of polyurethane with poly(vinyl alcohol) in aqueous solutions, M. Bercea, L. M. Gradinaru, M. Mandru, D. L. Tigau, C. Ciobanu, *Journal of Molecular Liquids*, 274, 562-567, FI = 4,561
  43. Bichromophoric pyrazoline derivative with solvent-selective photoluminescence quenching, A. L. Chibac, G. Roman, C. Cojocaru, S. Shova, G. Sacarescu, M. Simionescu, L. Sacarescu, *Journal of Molecular Liquids*, 278, 156-163, FI = 4,561
  44. Nonlinear optical properties (NLO) and metal ions sensing responses of a polymer containing 1,3,4-oxadiazole and bisphenol units, M. Homocianu, A. Airinei, C. Hamciuc, A. M. Ipate, *Journal of Molecular Liquids*, 281, 141-149, FI = 4,561
  45. Linear and cyclic siloxanes functionalized with polar groups by thiol-ene addition: Synthesis, characterization and exploring some material behaviour, G. O. Turcan-Trofin, M. Asandulesa, M. Balan-Porcarasu, C. D. Varganici, V. Tiron, C. Racles, M. Cazacu, *Journal of Molecular Liquids*, 282, 187-196, FI = 4,561
  46. Photochromic cycle of two N-salicylidene-p-X-anilines revealed by the dynamics over 10 orders of magnitude, M. Avadanei, J. Pina, C. Serpa, R. Tigoianu, V. Cozan, *Journal of Molecular Liquids*, 283, 617-529, FI = 4,561
  47. Pyrazoline based chloride sensor for body fluids screening, A. L. Chibac, G. Roman, C. Cojocaru, G. Sacarescu, M. Simionescu, L. Sacarescu, *Journal of Molecular Liquids*, 284, 139-146, FI = 4,561
  48. Micellar and rheological properties of some sodium deoxycholate-based poly(ester ether)urethane ionomer biomaterials in N,N'-dimethylformamide solutions, D. Filip, D. Macocinschi, S. Vlad, C. Ibanescu, M. Danu, M. F. Zaltariov, *Journal of Molecular Liquids*, 285, 451-458, FI = 4,561
  49. Binding assessment of methylene blue to human serum albumin and poly(acrylic acid): Experimental and computer-aided modeling studies, C. Cojocaru, L. Clima, *Journal of Molecular Liquids*, 285, 811-821, FI = 4,561
  50. Chain conformation of xanthan in solution as influenced by temperature and salt addition, C. E. Brunchi, M. Avadanei, M. Bercea, S. Morariu, *Journal of Molecular Liquids*, 287, Article 111008/1-8, FI = 4,561
  51. Fluorescence quenching study of a block copolymer with uracil end units of nitroaromatic derivatives and metal cations, V. E. Podasca, A. L. Chibac, E. C. Buruiana, *Journal of Molecular Liquids*, 292, Article 111385/1-7, FI = 4,561
  52. Amphiphilic silicone-bridged bis-triazoles as effective, selective metal ligands and biologically active agents in lipophilic environment, G. O. Turcan-Trofin, M. F. Zaltariov, G. Roman, S.

- Shova, N. Vornicu, M. Balan-Porcarasu, D. L. Isac, A. Neamtu, M. Cazacu, *Journal of Molecular Liquids*, 294, Article 111560/1-17, FI = 4,561
53. Metal-free and heterogeneous photocatalytic reduction of 4-nitroaniline by a poly(ethylene glycol)-supported eosin dye under visible-light exposure, A. L. Chibac, V. Melinte, V. Brezova, E. Renard, A. Brosseau, V. Langlois, D. L. Versace, *ChemCatChem*, 11, 3307-3317, FI = 4,495
  54. Preparation of La doped ZnO ceramic nanostructures by electrospinning-calcination method: Effect of La<sup>3+</sup> doping on optical and photocatalytic properties, P. Pascariu, M. Homocianu, C. Cojocaru, P. Samoila, A. Airinei, M. Sucheana, *Applied Surface Science*, 476, 16-27, FI = 4,439
  55. Study of the effect of some surface phenomena on the properties of citrate capped cobalt doped ferrites, E. Puscasu, L. Sacarescu, L. Popescu-Lipan, V. Nica, M. Grigoras, A. Domocos, N. Lupu, D. Creanga, *Applied Surface Science*, 483, 1182-1191, FI = 4,439
  56. Porous polymer/inorganic composite matrices as efficient dessicants for air dehumidification, M. Ignat, P. Samoila, C. Cojocaru, G. Soreanu, I. Cretescu, V. Harabagiu, *Applied Surface Science*, 487, 1189-1197, FI = 4,439
  57. Overcoming the insulating materials limitation in HiPIMS: Ion-assisted deposition of DLC coatings using bipolar HiPIMS, V. Tiron, E. L. Ursu, D. Cristea, D. Munteanu, G. Bulai, A. Ceban, I. L. Velicu, *Applied Surface Science*, 494, 871-879, FI = 4,439
  58. n-Type polyimides with 1,3,4-oxadiazole-substituted triphenylamine units - An innovative structural approach, A. E. Bejan, C. P. Constantin, M. D. Damaceanu, *Journal of Physical Chemistry C*, 123, 15908-15923, FI = 4,309
  59. X-ray structure elucidation of a Pt-metalloporphyrin and its application for obtaining sensitive AuNPs-plasmonic hybrids capable of detecting triiodide anions, E. Fagadar-Cosma, A. Lasca, S. Shova, M. F. Zaltariov, M. Birdeanu, L. Croitor, A. Balan, D. Anghel, S. Stamatin, *International Journal of Molecular Sciences*, 20, Article 710/1-19, FI = 4,183
  60. Fluorescent coumarin-modified mesoporous SBA-5 nanocomposite: Physico-chemical characterization and interaction with prokaryotic and eukaryotic cells, M. Tudose, D. C. Culita, M. Voicescu, A. M. Musuc, A. C. Kuncser, C. Bleotu, M. Popa, L. Marutescu, M. C. Chifiriuc, A. Nicolescu, C. Deleanu, *Microporous and Mesoporous Materials*, 288, Article 109583/1-12, FI = 4,182
  61. Functional properties of randomly mixed and layered BaTiO<sub>3</sub>-CoFe<sub>2</sub>O<sub>4</sub> ceramic composites close to the percolation limit, A. Guzu, C. E. Ciomaga, M. Airimioaiei, L. Padurariu, L. P. Curecheriu, I. Dumitru, F. Gheorghiu, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, L. Mitoseriu, *Journal of Alloys and Compounds*, 796, 55-64, FI = 4,175
  62. High relaxation barrier in neodymium furoate-based field induced SMMs, E. Bartolome, A. Arauzo, J. Luzon, S. Melnic, S. Shova, D. Prodius, I. C. Nlebedim, F. Bartolome, J. Bartolome, *Dalton Transactions*, 48, 15386-15396, FI = 4,052
  63. Heterometallic 3d-4d coordination polymers assembled from trans-[RuIII(L) (CN)<sub>2</sub>] tectons and 3d cations, G. Marinescu, A. M. Madalan, C. Maxim, S. Shova, R. Clerac, M. Andruh, *Dalton Transactions*, 48, 15455-15464, FI = 4,052
  64. Aggregation of [LnIII 12] clusters by the dianion of 3-formylsalicylic acid. Synthesis, crystal structures, magnetic and luminescence properties, A. S. Dinca, A. Mindru, D. Dragancea, C. Tiseanu, S. Shova, S. Cornia, L. M. Carrella, E. Rentschler, M. Affronte, M. Andruh, *Dalton Transactions*, 48, 1700-1708, FI = 4,052
  65. Slow relaxation in a {Tb<sub>2</sub>Ba (α-fur)<sub>8</sub>}<sub>n</sub> polymer with Ln = Tb(III) non-Kramers ions, E. Bartolome, A. Arauzo, J. Luzon, S. Melnic, S. Shova, D. Prodius, J. Bartolome, A. Amann, M. Nallaiyan, S. Spagna, *Dalton Transactions*, 48, 5022-5034, FI = 4,052
  66. Dinuclear manganese(III) complexes with bioinspired coordination and variable linkers showing weak exchange effects: a synthetic, structural, spectroscopic and computation study, S. Shova, A. Vlad, M. Cazacu, J. Krzystek, A. Ozarowski, M. Malcek, L. Bucinsky, P. Rapta, J. Cano, J. Telsner, V. B. Arion, *Dalton Transactions*, 48, 5909-5922, FI = 4,052
  67. In situ generation of Ph<sub>3</sub>PO in cyanido-bridged heterometallic {FeIII LnIII}<sub>2</sub> molecular squares (Ln=Eu, Sm), M. G. Alexandru, D. Visinescu, B. Braun-Cula, S. Shova, F. Lloret, M. Julve, *Dalton Transactions*, 48, 7532-7536, FI = 4,052
  68. In vitro and in vivo antioxidant activity of the new magnetic cerium oxide nanoconjugates, I. A. Turin-Moleavin, A. Fifere, A. L. Lungoci, I. Rosca, A. Coroaba, D. Peptanariu, V. Nastasa, S. A. Pasca, A. C. Bostanaru, M. Mares, M. Pinteala, *Nanomaterials*, 9, Article 1565/1-21, FI = 4,034

69. Eco-friendly method for tailoring biocompatible and antimicrobial surfaces of poly-L-lactic acid, M. Aflori, M. Butnaru, B. M. Tihauan, F. Doroftei, *Nanomaterials*, 9, Article 428/1-16, FI = 4,034
70. The first activation study of the  $\beta$ -carbonic anhydrases from the pathogenic bacteria *Brucella suis* and *Francisella tularensis* with amines and amino acids, A. Angeli, S. Del Prete, M. Pinteala, S. S. Maier, W. A. Donald, B. C. Simionescu, C. Capasso, C. T. Supurn, *Journal of Enzyme Inhibition and Medicinal Chemistry*, 34, 1178-1185, FI = 4,027
71. Inhibition of bacterial  $\alpha$ -,  $\beta$ - and  $\gamma$ -class carbonic anhydrases with selenazoles incorporating benzenesulfonamide moieties, A. Angeli, M. Pinteala, S. S. Maier, S. Del Prete, C. Capasso, B. C. Simionescu, C. T. Supuran, *Journal of Enzyme Inhibition and Medicinal Chemistry*, 34, 244-249, FI = 4,027
72. Inhibition of  $\alpha$ -,  $\beta$ -,  $\gamma$ -,  $\delta$ -,  $\zeta$ - and  $\eta$ - class carbonic anhydrases from bacteria, fungi, algae, diatoms and protozoans with famotidine, A. Angeli, M. Pinteala, S. S. Maier, S. Del Prete, C. Capasso, B. C. Simionescu, C. T. Supuran, *Journal of Enzyme Inhibition and Medicinal Chemistry*, 34, 644-650, FI = 4,027
73. Ortho-catenation and trifluoromethyl grafting as driving forces in electro-optical properties modulation of ethanol soluble triphenylamide-based polyimides, C. P. Constantin, M. D. Damaceanu, M. Bruma, R. S. Begunov, *Dyes and Pigments*, 163, 126-137, FI = 4,018
74. Generalization of the anthocyanins kinetics and thermodynamics multistate to 2.6-bis(2-hydroxybenzylidene)cyclohexanones, A. Alejo-Armijo, A. J. Moro, A. J. Parola, J. C. Lima, F. Pina, J. L. Corici, S. Shova, L. Csech, *Dyes and Pigments*, 163, 573-588, FI = 4,018
75. Heteroatom-mediated performance of dye-sensitized solar cells based on T-shaped molecules, M. D. Damaceanu, C. P. Constantin, A. E. Bejan, M. Mihaila, M. Kusko, C. Diaconu, I. Mihalache, R. Pascu, *Dyes and Pigments*, 166, 15-31, FI = 4,018
76. Spirocyclic sulfonamides with carbonic anhydrase inhibitory and antineurophatic pain activity, Y. K. Vali, R. Gundla, O. V. Singh, Y. Tamboli, L. Di Cesare Manelli, C. Ghelardini, A. M. S. Al-Tamimi, F. Carta, A. Angeli, C. T. Supuran, *Bioorganic Chemistry*, 82, Article 103210/1-10, FI = 3,926
77. Thermal behaviour and fungi resistance of composites based on wood and natural and synthetic epoxy resins cured with maleopimaric acid, L. Rosu, F. Mustata, C. D. Varganici, D. Rosu, T. Rusu, I. Rosca, *Polymer Degradation and Stability*, 160, 148-161, FI = 3,780
78. Metabolite profiling, arginase inhibition and vasorelaxant activity of *Cornus mas*, *Sorbus aucuparia* and *Viburnum opulus* fruit extracts, A. Bujor, A. Miron, S. V. Luca, K. Skalicka-Wozniak, M. Sillion, R. Ancuceanu, M. Dinu, C. Girard, C. Demougeot, P. Totoston, *Food and Chemical Toxicology*, 133, Article 110764/1-10, FI = 3,775
79. Surface relief gratings in azopolyimides induced by pulsed laser irradiation, J. Konieczkowska, E. Schab-Balcerzak, M. Libera, I. Mihaila, I. Sava, *European Polymer Journal*, 110, 85-89, FI = 3,741
80. Synthesis and photophysical properties of inclusion complexes between conjugated polyazomethines with  $\gamma$ -cyclodextrin and its tris-O-methylated derivative, A. Farcas, Y. C. Liu, M. Nilam, M. Balan-Porcarasu, E. L. Ursu, W. M. Nau, A. Henning, *European Polymer Journal*, 113, 236-243 FI =, 3,741
81. Novel supramolecular networks based on PEG and PEDOT crosslinked polyrotaxanes as electrical conductive materials, A. M. Resmerita, M. Asandulesa, G. Bulai, A. Farcas, *European Polymer Journal*, 114, 39-46, FI =3,741
82. Polyurethane/poly(vinyl alcohol) hydrogels: Preparation, characterization and drug delivery, M. Mandru, M. Bercea, L. M. Gradinaru, C. Ciobanu, M. Droboita, S. Vlad, R. Albulescu, *European Polymer Journal*, 118, 137-145, FI =3,741
83. New self-healing hydrogels based on reversible physical interactions and their potential applications, L. E. Nita, A. P. Chiriac, A. G. Rusu, M. Bercea, A. Ghilan, R. P. Dumitriu, L. Mititelu-Tartau, *European Polymer Journal*, 118, 176-185, FI =3,741
84. Nanoporous furfuryl-imine-chitosan fibers as a new pathway towards eco-materials for CO<sub>2</sub> adsorption, L. Marin, B. Dragoi, N. Olaru, E. Perju, A. Coroaba, F. Doroftei, G. Scavia, S. Destri, S. Zappia, W. Porzio, *European Polymer Journal*, 120, Article 109214/1-9, FI =3,741



85. From ultra-high molecular weight polydimethylsiloxane to super-soft elastomer, C. Tugui, V. Tiron, M. Dascalu, L. Sacarescu, M. Cazacu, *European Polymer Journal*, 120, Article 109243/1-11, FI =3,741
86. Photocrosslinked hybrid composites with Ag, Au or Au-Ag NPs as visible light triggered photocatalysts for degradation/reduction of aromatic nitroderivatives, V. Melinte, L. Stroea, T. Buruiana, A. L. Chibac, *European Polymer Journal*, 121, Article 109289/1-12, FI =3,741
87. Synthesis, characterization, molecular docking studies and in vitro screening of new metal complexes with Schiff base as antimicrobial and antiproliferative agents, E. Pahontu, M. Proks, S. Shova, G. Lupascu, D. C. Ilies, S. F. Barbuceanu, L. I. Socea, M. Badea, V. Paunescu, D. Istrati, A. Gulea, D. Draganescu, C. E. Dinu Parvu, *Applied Organometallic Chemistry*, 33, Article e5185/1-17, FI =3,581
88. Shear flow simulations of smectic liquid crystals based on the Gay-Berne fluid and the soft sphere string-fluid, S. Sarman, Y. L. Wang, A. Laaksonen, *Physical Chemistry Chemical Physics*, 21, 292-305, FI =3,567
89. ZnO-based ceramic nanofibers: Preparation, properties and applications, P. Pascariu, M. Homocianu, *Ceramics International*, 45, 11158-11173, FI =3,450
90. Structural changes of cerium doped copper ferrites during sintering process and magneto-electrical properties assessment, T. Roman, A. Pui, A. V. Lukacs, N. Cimpoesu, S. Lupescu, A. I. Borhan, K. Kordatos, A. Ntziouni, P. Postolache, M. Zaharia, S. Stanciu, L. Mitoseriu, *Ceramics International*, 45, 17243-17251, FI =3,450
91. Influence of rare earth addition in cobalt ferrite thin films obtained by pulsed laser deposition, G. Bulai, V. Trandafir, S. A. Irimiciuc, L. Ursu, C. Focsa, S. Gurlui, *Ceramics International*, 45, 20165-20171, FI =3,450
92. Comparative study of magnetoelectric BaTiO<sub>3</sub>-Co<sub>0.8</sub>Fe<sub>2</sub>O<sub>4</sub> bitunable ceramics sintered by spark plasma sintering and classical method, C. E. Ciomaga, A. Guzu, M. Airimioaiei, L. P. Curecheriu, V. A. Lukacs, O. G. Avadanei, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, L. Mitoseriu, *Ceramics International*, 45, 24168-24175, FI =3,450
93. Determination of the effective diffusion coefficient during the drying of paint and varnish films applied on fir wood, A. Mihaila, C. Lisa, A. M. Ipate, M. F. Zaltariov, D. Rusu, I. Mamaliga, G. Lisa, *Progress in Organic Coatings*, 137, Article 105344/1-9, FI =3,420
94. Photocatalytic degradation of Rhodamine B dye by polymer films containing ZnO, Ag nanoparticles and polypyrrole, V. E. Podasca, T. Buruiana, E. C. Buruiana, *Journal of Photochemistry and Photobiology A: Chemistry*, 371, 188-195, FI =3,261
95. Acid-responsive behavior promoted by imine units in novel triphenylamine-based oligomers functionalized with chromophoric moieties, A. E. Bejan, M. D. Damaceanu, *Journal of Photochemistry and Photobiology A: Chemistry*, 378, 24-37, FI =3,261
96. Feature vector clustering molecular pairs in computer simulations, H. W. Pei, A. Laaksonen, *Journal of Computational Chemistry*, 40, 2539-2549, FI =3,224
97. Silver thin films generated by pulsed laser deposition on plasma-treated surface of silicones to get dielectric elastomers transducers, C. Tugui, C. Ursu, M. F. Zaltariov, M. Aflori, M. Micusik, M. Omatsova, M. Cazacu, *Surface and Coating Technology*, 358, 282-292, FI =3,192
98. Anisotropy of thin foils obtained from microwave-irradiated poly(vinyl alcohol) aqueous solutions, C. D. Nechifor, M. Aflori, D. O. Dorohoi, *Polymers*, 11, Article 1072/1-12, FI =3,164
99. Tunable composition of dynamic non-viral vectors over the DNA polyplex formation and nucleic acid transfection, L. Clima, B. F. Craciun, G. Gavril, M. Pinteala, *Polymers*, 11, Article 1313/1-13, FI =3,164
100. Chitosan-graft-poly(N-isopropylacrylamide)/PVA cryogels as carrier for mucosal delivery of voriconazole, C. N. Cheaburu-Yilmaz, O. Yilmaz, F. A. Kose, N. Bibire, *Polymers*, 11, Article 1432/1-20, FI =3,164
101. Microwave-assisted synthesis of an alternant poly(fluorene-oxadiazole). Synthesis, properties and white light-emitting devices, D. Popovici, A. Diaconu, A. Rotaru, L. Marin, *Polymers*, 11, Article 1562/1-17, FI =3,164
102. New alginate/PNIPAAm matrices for drug delivery, C. N. Cheaburu-Yilmaz, C. E. Lupusoru, C. Vasile, *Polymers*, 11, Article 366/1-18, FI =3,164
103. Biocompatible materials based on plasticized poly(lactic acid), chitosan and rosemary ethanolic extract. I. Effect of chitosan on the properties of plasticized poly(lactic acid)

- materials, C. Vasile, E. Stoleru, R. N. Darie-Nita, R. P. Dumitriu, D. Pamfil, L. Tartau, *Polymers*, 11, Article 941/1-28, FI =3,164
104. Layer-by-layer polyelectrolyte architectures with ultrafast and high loading/release properties for copper ions, F. Bucatariu, C. A. Ghiorghita, D. Schwarz, T. Boita, M. Mihai, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 579, Article 123704/1-10, FI =3,131
  105. Copper(II) complexes with spherical morphology generated in one step by amphiphilic ligands: in situ view of self-assembling, characterization, catalytic activity, G. O. Turcan-Trofin, M. F. Zaltariov, M. Iacob, V. Tiron, F. Branza, C. Racles, M. Cazacu, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 580, Article 123756/1-11, FI =3,131
  106. Characterizing key features in the formation of ice and gas hydrate systems, S. Liang, K. W. Hall, A. Laaksonen, Z. Zhang, P. G. Kusalik, *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*, 377, Article 20180167/1-28, FI =3,093
  107. Asymmetric azomethine amines with azobenzene moieties - liquid crystalline and optical properties, M. M. Iftime, V. Cozan, A. Airinei, C. Varganici, G. Ailiesei, D. Timpu, I. Sava, *Liquid Crystals*, 46, 1584-1594, FI =3,078
  108. Crystal smectic E revisited for (E)-N-(biphenyl-4-ylmethylene)-4-butylaniline - mesomorphism, crystal structure and FTIR study, V. Cozan, M. Avadanei, S. Shova, M. F. Zaltariov, *Liquid Crystals*, 46, 492-501, FI =3,078
  109. Electrical and mechanical properties of polyimide films treated by plasma formed in water and isopropanol, I. Sava, M. Asandulesa, K. Zocher, A. Kruth, J. F. Kolb, W. Bodnar, K. Witte, T. Isjizaki, C. Miron, *Reactive and Functional Polymers*, 134, 22-30, FI =3,074
  110. Investigation of the cytotoxic potential of methyl imidazole-derived thiosemicarbazones and their copper (II) complexes with dichloroacetate as a co-ligand, O. Palamarciuc, M. N. M. Milunovic, A. Sirbu, E. Stratulat, A. Pui, N. Gligorijevic, S. Radulovic, J. Kozisek, D. Darvasiova, P. Rafta, E. A. Enyedy, C. Novitchi, S. Shova, V. B. Arion, *New Journal of Chemistry*, 43, 1340-1357, FI =3,069
  111. Secondary compounds in the catalytic hydrogenation of enone and allylic alcohol prostaglandin intermediates: isolation, characterisation, and X-ray crystallography, C. I. Tanase, F. Cocu, C. Draghici, A. Hanganu, L. Pintilie, M. Maganu, C. V. A. Munteanu, S. Shova, *New Journal of Chemistry*, 43, 7582-7599, FI =3,069
  112. New palladium(II) complexes with 3-(2-pyridyl)-5-alkyl-1,2,4-triazole ligands as recyclable C-C coupling catalysts, B. V. Zakharchenko, D. M. Khomenko, R. O. Doroshchuk, I. V. Raspertova, V. S. Starova, V. V. Trachevsky, S. Shova, O. V. Severynovska, L. M. D. R. S. Martins, A. J. L. Pombeiro, V. B. Arion, R. D. Lampeka, *New Journal of Chemistry*, 43, 10973-10984, FI = 3,069
  113. Semi-alicyclic polyimides as potential membrane oxygenators: Rheological implications on film processing morphology and blood compatibility, R. M. Albu, C. Hulubei, I. Stoica, A. I. Barzic, *eXPRESS Polymer Letters*, 13, 349-364, FI = 3,064
  114. Synergistic effect of low molecular weight polyethyleneimine and polyethylene glycol components in dynamic nonviral vector structure, toxicity, and transfection efficiency, B. F. Craciun, G. Gavril, D. Peptanariu, L. E. Ursu, L. Clima, M. Pinteala, *Molecules*, 24, Article 1460/1-13, FI = 3,060
  115. Duodenoscope-associated infections beyond the elevator channel: Alternative causes for difficult reprocessing, G. G. Balan, I. Rosca, E. L. Ursu, A. Fifere, C. D. Varganici, F. Doroftei, I. A. Turin-Moleavin, V. Sandru, G. Constantinescu, D. Timofte, G. Stefanescu, A. Trifan, C. V. Sfarti, *Molecules*, 24, Article 2343/1-13, FI = 3,060
  116. The cytotoxic properties of some tricyclic 1,3-dithiolium flavonoids, L. G. Sarbu, S. Shova, D. Peptanariu, I. A. Sandu, L. M. Birsu, L. G. Bahrin, *Molecules*, 24, Article 2459/1-12, FI = 3,060
  117. Cucurbit[7]uril-threaded poly(3,4-ethylenedioxythiophene): A novel processable conjugated polyrotaxane, A. Farcas, K. I. Assaf, A. M. Resmerita, L. Sacarescu, M. Asandulesa, P. H. Aubert, W. M. Nau, *European Journal of Organic Chemistry*, (21), 3442-3450, FI = 3,029
  118. Invasive pulmonary infection due to *Thermoascus Crustaceus* in a kidney transplant recipient, M. Mares, V. R. Moroti-Constantinescu, L. Voroneanu, F. Doroftei, A. Covic, O. A. Mederle, *Infection and Drug Resistance*, 12, 1929-1934, FI = 3,000

119. Physical hydrogels of oxidized polysaccharides and poly(vinyl alcohol) for wound dressing applications, R. I. Baron, M. E. Culica, G. Biliuta, M. Bercea, S. Gherman, D. Zavastin, L. Ochiuz, M. Avadanei, S. Coseri, *Materials*, 12, Article 1569/1-15, FI = 2,972
120. Biocompatibility of polyimides: A mini-review, C. P. Constantin, M. Aflori, F. Damian, R. D. Rusu, *Materials*, 12, Article 3166/1-27, FI = 2,972
121. Functional polyimide-based electrospun fibers for biomedical application, D. Serbezeanu, T. Vald-Bubulac, D. Rusu, G. Gradisteanu Parcalabioru, I. Samoila, S. Dinescu, M. Aflori, *Materials*, 12, Article 3201/1-15, FI = 2,972
122. Pullulan/poly(vinyl alcohol) composite hydrogels for adipose tissue engineering, I. Samoila, S. Dinescu, G. Gradisteanu Parcalabioru, L. Marutescu, G. Fundueanu, M. Aflori, M. Constantin, *Materials*, 12, Article 3220/1-14, FI = 2,972
123. Recyclable polymer-supported N-hydroxyphthalimide catalysts for selective oxidation of pullulan, M. E. Culica, K. Kasperczyk, R. I. Baron, G. Biliuta, A. M. Maxim, A. Lazea - Stoyanova, B. Orlinska, S. Coseri, *Materials*, 12, Article 3585/1-12, FI = 2,972
124. Chitosan-based bionanocomposite films prepared by emulsion technique for food preservation, E. Butnaru, E. Stoleru, M. A. Brebu, R. N. Darie-Nita, A. Bargan, C. Vasile, *Materials*, 12, Article 373/1-17, FI = 2,972
125. Thermal degradation study of some poly(arylene ether nitrile)s by TG/MS/FTIR analysis, G. Lisa, C. Hamciuc, E. Hamciuc, N. Tudorachi, *Polymer Testing*, 75, 220-228, FI = 2,943
126. Durability of polyurethane membranes in artificial weathering environment, L. M. Gradinaru, S. Vlad, I. Spiridon, M. Petrescu, *Polymer Testing*, 80, Article 106144/1-10, FI = 2,943
127. GiPlot: An interactive cloud-based tool for visualizing spectral data sets, D. Homocianu, M. Homocianu, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 209, 234-240, FI = 2,931
128. Natural decay of archaeological oak wood versus artificial degradation processes - An FTIR spectroscopy and X-Ray diffraction study, M. Broda, C. M. Popescu, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 209, 280-287, FI = 2,931
129. Metal ions sensing properties of some phenylquinoxaline derivatives, M. Homocianu, A. M. Ipate, D. Homocianu, A. Airinei, C. Hamciuc, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 215, 371-380, FI = 2,931
130. Photo-oxidative degradation of doxorubicin with siloxane MOFs by exposure to daylight, C. Racles, M. F. Zaltariov, M. Silion, A. M. Maxim, V. Cozan, *Environmental Science and Pollution Research*, 26, 19684-19696, FI = 2,914
131. Performances of *Pichia kudriavzevii* in decolorization, biodegradation, and detoxification of C.I. Basic Blue 41 under optimized cultural conditions, C. M. Rosu, G. Voichita, M. Mihasan, M. Avadanei, C. T. Mihai, D. Gherghel, *Environmental Science and Pollution Research*, 26, 431-445, FI = 2,914
132. Advancement in the biomedical applications of the (nano)gel structures based on particular polysaccharides, A. P. Chiriac, A. Ghilan, I. Neamtu, L. E. Nita, A. G. Rusu, V. M. Chiriac, *Macromolecular Bioscience*, 18, Article 1900187/1-20, FI = 2,895
133. Synthesis and solution properties of thermosensitive hydrophilic imidazole-based copolymers with improved catalytic activity, L. Stroea, T. Buruiana, E. C. Buruiana, *Materials Chemistry and Physics*, 223, 311-318, FI = 2,781
134. Synthetic flavonoids with antimicrobial activity: a review, L. G. Sarbu, L. G. Bahrin, C. Babii, M. Stefan, M. L. Birsa, *Journal of Applied Microbiology*, 127, 1282-1290, FI = 2,683
135. Hard meso/macroporous iron oxide/iron silicate microspheres obtained by the multi-templating technique, E. I. Muresan, A. Pui, T. Malutan, A. Coroaba, N. Cimpoesu, B. Istrate, M. Pinteala, *Journal of Chemical Technology and Biotechnology*, 94, 2888-2898, FI = 2,659
136. On the charge-transfer excitations in azobenzene maleimide compounds. A theoretical study, D. L. Isac, A. Airinei, D. Maftai, I. Humelnicu, F. Mocci, A. Laaksonen, M. Pinteala, *Journal of Physical Chemistry A*, 123, 5525-5536, FI = 2,641
137. New modified release tablets of bisoprolol fumarate for the treatment of hypertension: characterization and in vitro evaluation, A. D. Panaite, C. Gafiteanu, I. Stoleriu, L. Mititelu Tartau, M. C. Popescu, G. Lisa, E. G. Popa, *Journal of Drug Delivery Science and Technology*, 50, 402-409, FI = 2,606

138. Fluorescent porous silica microspheres for highly and selectively detecting Hg<sup>2+</sup> and Pb<sup>2+</sup> ions and imaging in living cells, W. Sun, Q. Sun, Q. Zhao, L. Marin, X. Cheng, ACS Omega, 4, 18301-18391, FI = 2,580
139. Exploring isoxazoles and pyrrolidinones decorated with the 4,6-dimethoxy-1,3,5-triazine unit as human farnesyltransferase inhibitors, L. Lucescu, A. Ghinet, S. Shova, R. Magnez, X. Thuru, A. Farce, B. Rigo, D. Belei, J. Dubois, E. Bicu, Archiv der Pharmazie, 352, Article 1800227, FI = 2,288
140. Coordination polymers and supramolecular solid-state architectures constructed from an organometallic tecton, bis(4-pyridyl)mercury, T. Mocanu, L. Kiss, A. Sava, S. Shova, C. Silvestru, M. Andruh, Polyhedron, 166, 7-16, FI = 2,284
141. Coordination polymers of Cu(II), Co(II) and Cd(II) based on a tetramethyl-substituted terphenyl dicarboxylic acid, I. A. Dascalu, S. Shova, D. G. Dumitrescu, G. Roman, B. I. Bratanovici, R. Ardeleanu, V. Lozan, Polyhedron, 170, 463-470, FI = 2,284
142. Alkali- and alkaline-earth metal-organic networks based on a tetra(4-carboxyphenyl)bimesitylene-linker, L. Bahrin, D. Bejan, S. Shova, M. Gdaniec, M. Fronc, V. Lozan, C. Janiak, Polyhedron, 173, Article 114128/1-11, FI = 2,284
143. Exploring the effect of electron beam irradiation on the properties of some EPDM-flax fiber composites, M. D. Stelescu, A. Airinei, E. Manaila, N. Fifere, G. Craciun, C. Varganici, F. Doroftei, Polymer Composites, 40, 315-327, FI = 2,268
144. Aliphatic copolyamide nanocomposites: Isothermal crystallization and crystalline morphology induced by clays, V. C. Grigoras, Thermochemica Acta, 675, 77-83, FI = 2,251
145. Nanomaterials developed by processing iron coordination compounds for biomedical application, M. Iacob, C. Racles, M. Dascalu, C. Tugui, V. Lozan, M. Cazacu, Journal of Nanomaterials, volume 2019, Article ID 2592974/1-14, FI = 2,233
146. Hydrophobic, amorphous metal-organic network readily prepared by complexing the aluminium ion with a siloxane spaced dicarboxylic acid in aqueous medium, M. Cazacu, G. O. Turcan-Trofin, A. Vlad, A. Bele, S. Shova, A. Nicolescu, A. Bargan, Journal of Applied Polymer Science, 136, Article 47144/1-11, FI = 2,188
147. Self-doped N-propansulfonic acid polyaniline-polyethylene terephthalate film used as active sensor element for humidity or gas detection, A. M. Solonaru, M. Grigoras, I. Petrila, F. Tudorache, Journal of Applied Polymer Science, 136, Article 47743/1-7, FI = 2,188
148. Synthesis and testing of cellulose acetate nicotinate as adsorbent for Rhodamine B dye, N. Olaru, N. Anghel, P. Pascariu, G. Ailiesei, Journal of Applied Polymer Science, 136, Article 47772, FI = 2,188
149. Heavy metal adsorption ability of a new composite material based on starch strengthened with chemically modified cellulose, N. Anghel, M. Niculaua, I. Spiridon, Polymers for Advanced Technologies, 30, 1453-1460, FI = 2,162
150. Induced birefringence of rubbed and stretched polyvinyl alcohol foils as alignment layers for nematic molecules, C. D. Nechifor, M. Postolache, R. M. Albu, A. I. Barzic, D. O. Dorohoi, Polymers for Advanced Technologies, 30, 2143-2152, FI = 2,162
151. Synthesis, structural characterization and biological studies of new Schiff base containing trimethyl silyl groups, M. F. Zaltariov, M. Avadanei, M. Balan, D. Peptanariu, N. Vornicu, S. Shova, Journal of Molecular Structure, 1175, 624-631, FI = 2,120
152. Synthesis, crystal structure and biological activity of new phosphoester-p-substituted-methylparabens, D. Serbezeanu, I. D. Carja, A. Nicolescu, M. Aflori, T. Vlad-Bubulac, M. Butnaru, R. F. Damian, S. Dunca, S. Shova, Journal of Molecular Structure, 1196, 637-646, FI = 2,120
153. Synthesis, structure, computational modeling, and biological activity of two novel bismethylene derivatives, L. G. Bahrin, L. Clima, S. Shova, I. Rosca, C. Cojocar, D. Bejan, M. C. Sardaru, N. Marangoci, V. Lozan, A. Rotaru, Research on Chemical Intermediates, 45, 453-469, FI = 2,064
154. Biosolids application improves mineral composition and phenolic profile of basil cultivated on eroded soil, M. Burducea, V. D. Zheljzakov, A. Lobiuc, A. Pintilie, M. Virgolici, M. Silion, M. Asandulesa, I. Burducea, M. M. Zamfirache, Scientia Horticulturae, 249, 407-418, FI = 1,961
155. Magnetic composites based on bovine serum albumin and poly(aspartic acid), A. Ghilan, A. P. Chiriac, L. E. Nita, Polymer Engineering and Science, 59, 1409-1415, FI = 1,920

156. New electromagnetic shielding materials based on viscose-carbon nanotubes composites, M. E. Culica, G. Biliuta, R. Rotaru, G. Lisa, R. I. Baron, S. Coseri, *Polymer Engineering and Science*, 59, 1499-1506, FI = 1,920
157. Effect of temperature and comonomer content on poly( $\epsilon$ -caprolactam-co- $\epsilon$ - caprolactone) copolymers properties: An evaluation of structural changes and dielectric behavior, E. Rusu, G. Rusu, D. Rusu, *Polymer Engineering and Science*, 59, 465-477, FI = 1,920
158. Adsorption of anionic dyes on a cationic amphiphilic dextran hydrogel: equilibrium, kinetics and thermodynamic studies, M. C. Stanciu, M. Nichifor, *Colloid and Polymer Science*, 297, 45-57, FI = 1,906
159. Exploring the coordination abilities of 1,5-diisopropyl-3-(4'-carboxyphenyl)-6-oxoverdazyl, V. Kumar, S. Shova, G. Novitchi, C. Train, *Comptes Rendus Chimie*, 22, 541-548, FI = 1,877
160. Aminophosphonic groups grafted onto the structure of macroporous styrene-divinylbenzene copolymer: preparation and studies on the antimicrobial effect, I. Nichita, L. Lupa, M. Stoica, E. S. Dragan, A. Popa, *Polymer Bulletin*, 76, 4539-4557, FI = 1,858
161. Coriander essential oil and linalool - interactions with antibiotics against gram-positive and gram-negative bacteria, P. Aelenei, C. M. Rimbu, E. Guguianu, G. Dimitriu, A. C. Aprotosoiaie, M. Brebu, C. E. Horhogeia, A. Miron, *Letters in Applied Microbiology*, 68, 156-164, FI = 1,805
162. Properties and fungal biodegradation of the different cellulose derivatives structure included into castor oil-based polyurethane composites, S. Oprea, P. Gradinariu, V. Oprea, *Journal of Composite Materials*, 53, 3535-3548, FI = 1,755
163. TiO<sub>2</sub>-based photopolymerized hybrid catalysts with visible light catalytic activity induced by in situ generated Ag/Au NPs, V. Melinte, T. Buruiana, I. Rosca, A. L. Chibac, *ChemistrySelect*, 4, 5138-5149, FI = 1,716
164. Design of porous microparticles based on chitosan and methacrylic monomers, S. Vasiliu, M. A. Lungan, I. Gugoasa, M. Drobota, M. Popa, M. Mihai, S. Racovita, *ChemistrySelect*, 4, 9331-9338, FI = 1,716
165. Effect of hydrolyzed collagen on thermal, mechanical and biological properties of poly(lactic acid) bionanocomposites, M. Rapa, L. M. Stefan, P. Preda, R. N. Darie-Nita, A. Gaspar-Pintilescu, A. M. Seciu, C. Vasile, E. Matei, A. M. Predescu, *Iranian Polymer Journal*, 28, 271-282, FI = 1,707
166. Synthesis and characterization of poly(urethane-sulfone)s networks, C. Gaina, O. Ursache, V. Gaina, *Polymer Plastics Technology and Materials*, 58, 1781-1792, FI = 1,655
167. PLA/collagen hydrolysate/silver nanoparticles bionanocomposites for potential antimicrobial urinary drains, M. Rapa, R. N. Darie-Nita, P. Preda, V. Coroiu, R. Tatia, C. Vasile, E. Matei, A. M. Predescu, M. E. Maxim, *Polymer Plastics Technology and Materials*, 58, 2041-2055, FI = 1,655
168. Nickel complexes of guanidine functionalized trisiloxane, L. Pricop, M. E. Fortuna, D. Popovici, M. Asandulesa, C. Racles, M. F. Zaltariov, N. Marangoci, M. Savin, V. Harabagiu, *Journal of Inorganic and Organometallic Polymers and Materials*, 29, 2024-2034, FI = 1,637
169. Effects of sewage sludge amendments on the growth and physiology of sweet basil, M. Burducea, A. Lobiuc, M. Asandulesa, M. F. Zaltariov, I. Burducea, S. M. Popescu, V. D. Zheljzakov, *Agronomy*, 9, Article 548/1-11, FI = 1,614
170. Ultrastructural aspects of *Yersinia ruckeri* cells after treatment with non-thermal plasma-activated water, A. C. Lupu, A. C. Bostanaru, M. Mares, L. Ursu, C. Roman, R. Mindru, L. D. Miron, *Revista de Chimie*, 70, 121-123, FI = 1,605
171. Synthesis of 2-pyrrolydiny-1,3-dithiolium derivatives from propiophenones, L. G. Sarbu, C. N. Lungu, I. Sandu, P. Chirita, L. G. Bahrin, *Revista de Chimie*, 70, 1311-1314, FI = 1,605
172. Synthesis of 4-(2-hydroxy-5-methylphenyl)-1,3-dithiol-2-ylidene, C. N. Lungu, I. V. Asaftei, I. Sandu, P. Chirita, L. G. Bahrin, *Revista de Chimie*, 70, 1558-1560, FI = 1,605
173. 4-(2-Hydroxyphenyl)-1,3-dithiol-2-ylidene derivatives, C. N. Lungu, I. V. Asaftei, I. Sandu, L. G. Bahrin, *Revista de Chimie*, 70, 161-164, FI = 1,605
174. Multianalytical study for establishing the historical contexts of the church of the Holy Archangels from Cicau, Alba County, Romania, for its promotion as a world heritage good I. Assessing the preservation-restoration works from the 18th century, I. Sandu, C. T. Iurcovschi, I. G. Sandu, V. Vasilache, I. C. Negru, M. Brebu, P. Spiridon Ursu, V. Pelin, *Revista de Chimie*, 70, 2538-2544, FI = 1,605

175. Alkylation of benzene with technical fraction propylene-propane over modified B-(Al)-HZSM-5 catalysts, I. V. Asaftei, M. Ignat, C. N. Lungu, I. Sandu, O. Mahu, *Revista de Chimie*, 70, 2753-2758, FI = 1,605
176. Dispersion of nicotine circular birefringence, I. S. Stratulat, A. Scripa (Tudose), A. I. Barzic, D. G. Dimitriu, D. O. Dorohoi, A. C. Luca, *Revista de Chimie*, 70, 3281-3283, FI = 1,605
177. Synthesis of 4-(4-hydroxyaryl)-1,3-dithiolium perchlorates, L. G. Bahrin, C. N. Lungu, I. V. Asaftei, I. Sandu, *Revista de Chimie*, 70, 527-531, FI = 1,605
178. Theoretical modeling of long-time drug release from nitrosalicyl-imine-chitosan hydrogels through multifractal logistic type laws, A. M. Craciun, M. L. Barhalescu, M. Agop, L. Ochiuz, *Computational and Mathematical Methods in Medicine*, vol. 2019, Article 4091464/1-10, FI = 1,563
179. Design-properties relationships of polyurethanes elastomers depending on different chain extenders structures, S. Oprea, D. Timpu, V. Oprea, *Journal of Polymer Research*, 26, Article 117/1-15, FI = 1,530
180. Synthesis and properties of copolyarylenes containing indolo[3,2-b]carbazole moieties in the backbone, O. I. Negru, M. Grigoras, *Journal of Polymer Research*, 26, Article 30, FI = 1,530
181. In-vivo safety and efficacy evaluation of a novel polymeric based lidocaine formulation for topical analgesia, A. Luca, C. T. Mihai, G. D. Stanciu, V. Bild, E. Cojocaru, R. Ancuceanu, V. Harabagiu, C. Peptu, C. A. Peptu, M. M. Leon-Constantin, T. Alexa-Stratulat, *Farmacia*, 67, 117-127, FI = 1,527
182. Antioxidant, antimicrobial and photocatalytic activities of silver nanoparticles obtained by bee propolis extract assisted biosynthesis, A. Corciova, C. Mircea, A. F. Burlec, O. Cioanca, C. Tuchilus, A. Fifere, A. L. Lungoci, N. Marangoci, M. Hancianu, *Farmacia*, 67, 482-489, FI = 1,527
183. Synthesis and evaluation of biological activity of homodrimane sesquiterpenoids bearing hydrazinecarbothioamide or 1,2,4-triazole units, L. Lungu, A. Ciocarlan, A. Barba, S. Shova, S. Pogrebnoi, I. Mangalagiu, C. Moldoveanu, N. Vornicu, M. D'Ambrosio, M. V. Babak, V. B. Arion, A. Aricu, *Chemistry of Heterocyclic Compounds*, 55, 716-724, FI = 1,492
184. Novel mutation in GALT gene in galactosemia patient with Group B Streptococcus meningitis and acute liver failure, A. Grama, L. Blaga, A. Nicolescu, C. Deleanu, M. Militaru, S. S. Cainap, I. Pop, G. Tita, C. Sirbe, O. Fufezan, M. A. Vintan, R. Vulturar, T. L. Pop, *Medicina (Lithuania)*, 55, Article 91/1-6, FI = 1,467
185. Characterization and discrimination of plant fossils by ATR-FTIR, XRD and chemometric methods, S. Gosav, A. Ene, M. Aflori, *Romanian Journal of Physics*, 64, Article 806/1-10, FI = 1,460
186. Photocatalytic activity of ZnO-SnO<sub>2</sub> ceramic nanofibers for RhB dye degradation: Experimental design, modeling and process optimization, P. Pascariu, C. Cojocaru, N. Olaru, A. Airinei, *Physica Status Solidi b: Basic State Solid Physics*, 265, Article 1800474/1-8, FI = 1,454
187. Effect of rGO:MWCNTs ratio on electrical conductivity of polyazomethine/rGO:MWCNTs nanocomposites, S. Kostromin, M. Asandulesa, A. Podshivalov, S. Bronnikov, *Materials Research Express*, 6, Article 115053, FI = 1,449
188. Chain microstructure and conformation of partially quaternized poly(dimethylaminomethyl methacrylate), V. Barboiu, G. L. Ailiesei, A. G. Grigoras, E. Rusu, E. S. Dragan, *International Journal of Polymer Analysis and Characterization*, 24, 610-618, FI = 1,426
189. Thermal and electrical behavior of hybrid thermosets based on epoxy and maleimide resins cured with p-aminobenzoic acid, F. Mustata, N. Tudorachi, M. Asandulesa, I. Bicu, *International Journal of Chemical Kinetics*, 51, 799-814, FI = 1,417
190. Polymeric biomaterials with complementary role in the articular endoprosthesis I. Surface characteristics, D. N. Mihai, D. Mihailescu, S. A. Ibanescu, L. Savin, V. Grigorescu, A. Patrascu, M. I. Popa, *Materiale Plastice*, 56, 306-308, FI = 1,393
191. A facile activation method for improving the wettability of polyurethane surfaces, L. M. Gradinaru, S. Vlad, M. Drobota, M. Spiridon, I. Istrate, *Materiale Plastice*, 56, 416-420, FI = 1,393
192. Preliminary investigation on mechanical properties of polymer coating screws for the future fragility fracture fixation, A. Filip, O. V. Badulescu, P. D. Sirbu, B. Veliceasa, B. Puha, I. A. Pascal, L. Andrusca, S. Oprea, C. Filip, O. Alexa, *Materiale Plastice*, 56, 559-562, FI = 1,393

193. Polymeric materials with complementary role in joint endoprosthesis II. Compositional and morphostructural analysis, D. Mihailescu, D. N. Mihai, L. Savin, L. Vasiliu, V. Grigorescu, A. Patrascu, M. I. Popa, *Materiale Plastice*, 56, 611-615, FI = 1,393
194. Essential oils of Moldavian Thymus species: Chemical composition, antioxidant, anti-Aspergillus and antigenotoxic activities, A. C. Aprotosoai, A. Miron, N. Ciocarlan, M. Brebu, C. M. Rosu, A. Trifan, G. Voichita, D. Gherghel, S. V. Luca, A. Nita, I. I. Costache, C. T. Mihai, *Flavour and Fragrance Journal*, 34, 175-186, FI = 1,377
195. Morus alba leaf extract: Metabolite profiling and acid interactions with antibiotics against Staphylococcus spp. including MRSA, P. Aelenei, S. V. Luca, C. E. Horhoge, C. M. Rimbu, G. Dimitriu, I. Macovei, M. Silion, A. C. Aprotosoai, A. Miron, *Phytochemistry Letters*, 31, 217-224, FI = 1,338
196. Behavior of historical printing inks on paper in high frequency cold plasma discharges, E. G. Ioanid, V. Frunza, D. E. Rusu, A. M. Vlad, G. Savin, C. M. Popescu, *IEEE Transactions on Plasma Science*, 47, 81-85, FI = 1,325
197. (Aminophenyl)porphyrins as precursors for the synthesis of porphyrin-modified siloxanes, J. Almeida, M. E. Fortuna, L. Pricop, A. Lobiuc, A. Leite, A. M. N. Silva, R. P. Monteiro, M. Rangel, V. Harabagiu, A. G. Silva, *Journal of Porphyrins and Phthalocyanines*, 23, 1001-1012, FI = 1,292
198. A regenerable microporous adsorbent based on microcrystalline cellulose for organic pollutants adsorption, D. Suteu, G. Biliuta, L. Rusu, S. Coseri, C. Vial, I. Nica (Nebunu), *Desalination and Water Treatment*, 146, 176-187, FI = 1,234
199. Interaction of amyloid A $\beta$  (9-16) peptide fragment with metal ions: CD, FT-IR, and fluorescence spectroscopic studies, M. Murariu, L. Habasescu, C. I. Ciobanu, R. V. Gradinaru, A. Pui, G. Drochioiu, *International Journal of Peptide Research and Therapeutics*, 25, 897-909, FI = 1,219
200. Endocan - a potential diagnostic marker for early onset sepsis in neonates, G. I. Zonda, R. Zonda, A. T. Cernomaz, L. Paduraru, A. L. Avasiloaiei, B. D. Grigoriu, *Journal of Infection in Developing Countries*, 13, 311-317, FI = 1,200
201. Endocan serum concentration in uninfected newborn infants, G. I. Zonda, R. Zonda, A. T. Cernomaz, L. Paduraru, B. D. Grigoriu, *Journal of Infection in Developing Countries*, 13, 817-822, FI = 1,200
202. Viscose-maghemite/goethite polymeric composite as sorbent for oil spill cleanup, R. Rotaru, M. E. Fortuna, C. Cojocar, P. Samoila, L. Pricop, V. Harabagiu, *Environmental Engineering and Management Journal*, 18, 1193-1200, FI = 1,186
203. Behaviour of new pullulan derivative solutions with biotechnological potential, A. G. Grigoras, M. Constantin, *Environmental Engineering and Management Journal*, 18, 301-310, FI = 1,186
204. Effect of synthesis parameters on sorption properties of glycerol-derived mesoporous carbon, M. Ignat, L. Sacarescu, M. E. Fortuna, P. Cool, V. Harabagiu, *Environmental Engineering and Management Journal*, 18, 59-69, FI = 1,186
205. n-Type polyimides incorporating oxadiazole and perylene fluorophores, R. D. Rusu, M. D. Damaceanu, B. Jarzabek, L. Vacareanu, M. Bruma, *Environmental Engineering and Management Journal*, 18, 89-98, FI = 1,186
206. Surface morphology effects on photocatalytic activity of metal oxides nanostructured materials immobilized onto substrates, P. Pascariu, I. V. Tudose, M. Suche, *Journal of Nanoscience and Nanotechnology*, 19, 295-306, FI = 1,093
207. Aqueous dispersion of single-walled carbon nanotubes using tetraphenyl bimesitylene derivative via noncovalent modification and improved antimicrobial activity, E. L. Ursu, I. Rosca, L. G. Bahrin, L. Clima, D. Bejan, M. C. Sardaru, N. Marangoci, V. Lozan, A. Rotaru, *Journal of Nanoscience and Nanotechnology*, 19, 7960-7966, FI = 1,093
208. Design, synthesis and evaluation of the antimycobacterial activity of 3-mercapto-1,2,4-triazole-pyrrole hybrids, G. Roman, A. C. Bostanaru, V. Nastasa, M. Mares, *Turkish Journal of Chemistry*, 43, 531-546, FI = 1,000
209. Investigation of properties of nanofibers from collagen and polyethylene terephthalate using a natural crosslinker, M. Drobot, S. Vlad, L. Gradinaru, M. Butnar, G. Pircalabioru, *Cellulose Chemistry and Technology*, 53, 211-218, FI = 0,857

210. Preparation and characterization of alginate and chitosan IPC based gel formulation for mucosal application, S. Renceber, C. N. Cheaburu-Yilmaz, F. A. Kose, S. Y. Karavana, O. Yilmaz, *Cellulose Chemistry and Technology*, 53, 655-665, FI = 0,857
211. Novel cationic and hydrophobic pullulan derivatives as DNA nanoparticulate carriers, M. Constantin, S. Bucatariu, L. Ursu, M. Butnaru, O. M. Daraba, A. M. Burlui, G. Fundueanu, *Cellulose Chemistry and Technology*, 53, 695-707, FI = 0,857
212. Characterization of neomycin-loaded xanthan-chitosan hydrogels for topical applications, I. P. Merlusca, C. Ibanescu, C. Tuchilus, M. Danu, L. I. Atanase, I. M. Popa, *Cellulose Chemistry and Technology*, 53, 709-719, FI = 0,857
213. Cellulose-based hydrogels in tissue engineering applications, D. Rusu, D. Ciolacu, B. C. Simionescu, *Cellulose Chemistry and Technology*, 53, 907-923, FI = 0,857
214. Genotype comparison of *Candida albicans* isolates from different clinical samples, A. C. Bostanaru, I. Rosca, B. Minea, V. Nastasa, L. Foia, I. Marincu, M. Mares, O. A. Mederle, *Revista Romana de Medicina de Laborator*, 27, 327-332, FI = 0,800
215. Siloxane-based compounds with tailored surface properties for health and environment, C. Racles, M. Cazacu, M. Zaltariov, M. Iacob, M. Butnaru, *Phosphorus, Sulfur, and Silicon and the Related Elements*, 194, 972-977, FI = 0,781
216. Optical constants and electrical conductivity of polysilanes: Effects of substituents and iodine doping, A. I. Barzic, M. Soroceanu, N. Fifere, L. Sacarescu, A. Farcas, V. Harabagiu, *Phosphorus, Sulfur, and Silicon and the Related Elements*, 194, 995-1002, FI = 0,781
217. Microwave dielectric properties of polyimide composites based on TiO<sub>2</sub> nanotubes and carbon nanotubes, M. A. Olariu, C. Hamciuc, O. M. Neacsu, E. Hamciuc, L. Dimitrov, *Digest Journal of Nanomaterials and Biostructures*, 14, 37-44, FI = 0,638
218. Magnetic nanoparticles for methylene blue dye removal from wastewater, L. Popescu, D. Creanga, L. Sacarescu, M. Grigoras, N. Lupu, *University Politehnica of Bucharest Scientific Bulletin-Series Applied Mathematics and Physics*, 81, 241-252, FI = 0,478
219. Improving the properties of the polyester fabrics by grafting with 3-chloro-2-hydroxypropyl acrylate, E. I. Muresan, G. Rusu, A. Danila, M. Drobeta, F. Doroftei, C. D. Radu, *Journal of Engineered Fibers and Fabrics*, 14, 1-9, FI = 0,474
220. Calcium carbonate and poly(2-acrylamido-2-methylpropanesulfonic acid-co-acrylic acid), M. Mihai, B. C. Simionescu, *Revue Roumaine de Chimie*, 64, 19-34, FI = 0,395
221. Solid phase synthesis of four analogs of amyloid- $\beta$  (9-16) peptide: MS and FTIR characterization, M. Jureschi, I. Humelnicu, B. A. Petre, C. I. Ciobanu, M. Murariu, G. Drochioiu, *Revue Roumaine de Chimie*, 64, 433-443, FI = 0,395
222. Design and synthesis of new anti-amyloid NAP-based/like peptides, A. V. Lupaescu, C. I. Ciobanu, I. Humelnicu, B. A. Petre, M. Murariu, G. Drochioiu, *Revue Roumaine de Chimie*, 64, 535-546, 0,395
223. Shear flow of bovine serum albumin solutions, M. Bercea, S. Morariu, I. A. Plugariu, D. Barala, *Studia Universitatis Babes-Bolyai, Chemia*, 64(3), 121-128, FI = 0,275
224. Synthesis and antibacterial evaluation of new pyrrolo[3',4':3,4]pyrrolo[1,2-a]quinoline and pyrrolo[3',4':3,4]pyrrolo[2,1-a]isoquinoline derivatives, C. M. Al Matarneh, M. C. Sardaru, M. O. Apostu, I. Rosca, C. I. Ciobanu, I. Mangalagiu, R. Danac, *Studia Universitatis Babes-Bolyai, Chemia*, 64(3), 67-80, FI = 0,275
225. Chalcogenide induced intramolecular interactions in [2,2]paracyclophanes: A review, L. G. Sarbu, L. G. Bahrin, H. Hopf, M. L. Birsa, *Studia Universitatis Babes-Bolyai, Chemia*, 64(3), 7-16, FI = 0,275

#### 4.14b. Lucrari publicate in strainatate, in reviste necotate ISI: 9

1. Crystal structure of poly[[diaquatetra- $\mu$ -2-cyanido-iron(II)platinum(II)] acetone disolvate], I. S. Kuzevanova, D. D. Naumova, K. V. Terebilenko, S. Shova, I. A. Gural'skiy, *Acta Crystallographica, Section E: Crystallographic Communications*, E75, 1536-1539
2. Crystal structure of catena-poly[[gold(I)- $\mu$ -cyanido-[diaquabis(2-phenylpyrazine)iron(II)]- $\mu$ -cyanido] dicyanidogold(I)], O. I. Kucheriv, D. D. Barakhtii, S. O. Malinkin, S. Shova, I. A. Gural'skiy, *Acta Crystallographica, Section E: Crystallographic Communications*, E75, 1149-1452 (2019)



3. Estimation of soil and tailing dump toxicity: development and validation of a protocol based on bioindicators and ICP-OES, D. Ilieva, L. Angelova, G. Drochioiu, M. Murariu, A. Surleva, IOP Conference Series: Materials Science and Engineering, 572, Article 012110/1-7
4. Electrical conductivity of polyazomethine/reduced graphene oxide nanocomposites, S. V. Kostromin, A. Podshivalov, M. Asandulesa, S. Bronnikov, IOP Conference Series: Materials Science and Engineering, 634, Article 012005/1-7
5. The redox and optical response of electrogrowth film from a mixture of 2,5-bis[4-(p-aminophenoxy)phenylene]-1,3,4-oxadiazole and fluorene, M. D. Damaceanu, Key Engineering Materials, 826, 81-90
6. The chromic response to environment of some imine-based oligomers, C. P. Constantin, A. E. Bejan, M. D. Damaceanu, Key Engineering Materials, 826, 91-101
7. Surface modification of poly(ethylene terephthalate) in air plasma, M. Drobot, A. Trandabat, M. Pislaru, Acta Chemica Iasi, 27, 128-136
8. Hydrogel-active wound dressing for drug delivery in wound healing and skin regeneration, M. Mandru, M. Spiridon, M. Aflori, D. Ichim, D. Spaiuc, P. Plamadeala, International Journal of Medical Dentistry, 23, 32-39
9. Chitosan-based bionanocomposite for transdermal therapy, M. Aflori, M. Spiridon, M. Butnaru, M. Mandru, L. Romila, O. Daraba, A. Burlui, International Journal of Medical Dentistry, 23, 40-45

#### **4.16a. Lucrari publicate in volume de manifestari stiintifice internationale: 8**

1. Antioxidant and antimicrobial effects of grape pomace extracts, C. E. Luchian, V. V. Cotea, L. Vlase, A. M. Toiu, L. C. Colibaba, I. E. Raschip, G. Nadas, A. M. Gheldiu, C. Tuchilus, L. Rotaru, Bio Web of Conferences, 15(42nd World Congress of Vine and Wine, July 15-19, 2019, Geneva, Switzerland), Article 04006/1-6
2. Silanized citric acid capped magnetic nanoparticles and influence on chlorophylls, L. Popescu, L. Sacarescu, M. Grigoras, C. Morosanu, D. Creanga, D. Dorohoi, C. Stan, IFMBE Proceedings, 77(4th International Conference on Nanotechnologies and Biomedical Engineering, Sept. 18-21, 2019, Chisinau, Moldova - Proceedings of ICNMBE-2019), 237-241
3. Nanocellulose as potential filler material, protective shell and adhesion promoter of microbial agroformulations, C. Preininger, U. Sauer, S. Doppler, E. Kulbak, S. Yonsel, C. M. Popescu, C. Popescu, Proceedings of the 10th Anniversary International Conference on Nanomaterials - Research and Application, NANOCON 2018, Oct. 17-19, 2018, Brno, Czech Republic, 119-124
4. Epoxidized vegetable oils for wood protection against fungal degradation, C. D. Varganici, L. Rosu, F. Mustata, D. Rosu, I. Rosca, T. Rusu, E. Marlica, C. A. Teaca, Proceedings of the International Conference "Wood Science and Engineering in the Third Millennium", 12th edition, ICWSE 2019, Nov. 7-9, 2019, Brasov, Romania, 408-412
5. Structural changes in chemically modified wood evidenced by FTIR spectroscopy and X-ray diffraction analysis, C. A. Teaca, L. Rosu, T. Rusu, D. Rosu, C. D. Varganici, E. Marlica, Proceedings of the International Conference "Wood Science and Engineering in the Third Millennium", 12th edition, ICWSE 2019, Nov. 7-9, 2019, Brasov, Romania, 605-611
6. Photostability evaluation of softwood modified with epoxidized oils, L. Rosu, F. Mustata, D. Rosu, T. Rusu, C. A. Teaca, C. D. Varganici, E. Marlica, Proceedings of the International Conference "Wood Science and Engineering in the Third Millennium", 12th edition, ICWSE 2019, Nov. 7-9, 2019, Brasov, Romania, 619-623
7. Modification in spruce wood structure following hydrothermal treatment evaluation by NIR spectroscopy, C. M. Popescu, N. Zeniya, K. Endo, T. Genkawa, E. Obataya, Proceedings of the International Conference "Wood Science and Engineering in the Third Millennium", 12th edition, ICWSE 2019, Nov. 7-9, 2019, Brasov, Romania, 81-88
8. The use of bicine and tricine as possible Maillard reagents in a combined thermal/chemical modification of beech, D. Jones, C. M. Popescu, D. Krzysnik, M. Hocesvar, M. Humar, M. C. Popescu, Proceedings of the IRG Annual Meeting, The International Research Group on Wood Protection, IRG 50, 12-16 May 2019, Quebec, Canada, IRG/WP 19-40852, 1-13 (2019)

#### **4.16b. Lucrari publicate in volume de manifestari stiintifice nationale: 4**

1. Cellulose hydrogels for tissue engineering, D. Ciolacu, D. Rusu, F. I. J. Pastor, Proceedings of the 23th International Conference of Inventics, Inventica 2019, 26-28 June 2019, Iasi, 46-51

2. Hydrogel matrices based on polysaccharides: design-morphology relationship, D. Rusu, D. Ciolacu, Proceedings of the 23th International Conference of Inventics, Inventica 2019, 26-28 June 2019, Iasi, 59-67
3. Cellulose-dextran hydrogels in heart value tissue engineering, D. Ciolacu, A. R. Petrovici, A. C. Mihaila, E. Butoi, Proceedings of the 23th International Conference of Inventics, Inventica 2019, 26-28 June 2019, Iasi, 77-84
4. Multifunction biosystem based on *Arthrospira platensis* for space applications, G. Soreanu, I. Cretescu, M. Diaconu, M. Ignat, V. Harabagiu, C. Cojocaru, P. Samoila, Proceedings of the International Symposium "The Environment and the Industry", SIMI 2019, 26-27 Sept. 2019, Bucharest, Romania, 77-83

#### **4.17. Capitole carti in strainatate: 29**

1. Mass spectrometry as a complementary approach for noncovalently bound complexes based on cyclodextrins, M. Silion, A. Fifere, A. L. Lungoci, N. L. Marangoci, S. A. Ibanescu, R. Zonda, A. Rotaru, M. Pinteala, *Advancements of Mass Spectrometry in Biomedical Research*, 2nd ed., A. G. Woods, C. D. Darie, Eds., Springer, 685-701
2. How do elements of the structure of monomeric unit of polyimides influence its physical properties, I. A. Ronova, A. Y. Alentiev, M. Bruma, *Advances in Chemistry Research*, Nova Science Publishers, 55, 1-84
3. Biopolymer nanocomposites - From basic concepts to nanotechnologies, M. Aflori, *Advances in Nanostructured Composites*, vol. 1: Carbon Nanotube and Graphene Composites, M. Aliofkhaezai, Ed., Taylor and Francis, Boca Raton, FL, 97-119
4. Understanding the structure and dynamics of peptides and proteins through the lens of network science, M. Fossepre, L. Leherte, A. Laaksonen, D. P. Vercauteren, *Biomolecular Simulations in Structure-based Drug Discovery*, F. L. Gervasio, V. Spiwok, Eds., Wiley-VCH, 105-161
5. Cellulose derivatives: Synthesis, properties and applications, A. I. Barzic, L. I. Buruiana, R. M. Albu, *Carboxymethyl Cellulose*, vol. I: Synthesis and Characterization, M.I.H. Mondal, Ed., Nova Science Publishers, 271-298
6. Chitosan-based polyelectrolyte complex hydrogels for biomedical applications, S. Vasiliu, S. Racovita, M. Popa, L. Ochiuz, C. A. Peptu, *Cellulose-based Superabsorbent Hydrogels*, M. I. H. Mondal, Ed., Springer, 1695-1725
7. Structure-property relationships in cellulose-based hydrogels, D. E. Ciolacu, *Cellulose-based Superabsorbent Hydrogels*, M. I. H. Mondal, Ed., Springer, 65-95
8. Biomedicine: Polymers with silsesquioxane units, B. Simionescu, A. Oancea, I. Bordianu-Antochi, C. Ursu, C. Cotofana, M. Olaru, *Encyclopedia of Polymer Applications*, M. Mishra, Ed., CRC Press, 285-359
9. Chemical and physical methods for multifunctional nanostructured interface fabrication, I. V. Tudose, F. Comanescu, P. Pascariu, S. Bucur, L. Rusen, F. Iacomì, E. Koudoumas, M. P. Sucheà, *Functional Nanostructures Interfaces for Environmental and Biomedical Applications*, V. Dinca, M. P. Sucheà, Eds., Elsevier, Amsterdam, 15-26
10. Graphene-based materials and their biomedical and environmental applications: Recent advances, I. V. Tudose, E. Koudoumas, C. Pachiu, F. Comanescu, V. Dinca, L. Rusen, P. Pascariu, M. P. Sucheà, *Functional Nanostructures Interfaces for Environmental and Biomedical Applications*, V. Dinca, M. P. Sucheà, Eds., Elsevier, Amsterdam, 243-257
11. Nanostructured ZnO-based materials for biomedical and environmental applications, I. V. Tudose, N. Vrinceanu, C. Pachiu, S. Bucur, P. Pascariu, L. Rusen, E. Koudoumas, M. P. Sucheà, *Functional Nanostructures Interfaces for Environmental and Biomedical Applications*, V. Dinca, M. P. Sucheà, Eds., Elsevier, Amsterdam, 285-305
12. Electrospun TiO<sub>2</sub>-based nanofiber composites and their bio-related and environmental applications, P. Pascariu, A. Airinei, F. Iacomì, S. Bucur, M. P. Sucheà, *Functional Nanostructures Interfaces for Environmental and Biomedical Applications*, V. Dinca, M. P. Sucheà, Eds., Elsevier, Amsterdam, 307-321
13. Applications of metallic nanostructures on biomedical field, P. Pascariu, E. Koudoumas, V. Dinca, L. Rusen, M. P. Sucheà, *Functional Nanostructures Interfaces for Environmental and Biomedical Applications*, V. Dinca, M. P. Sucheà, Eds., Elsevier, Amsterdam, 341-361

14. Liquid crystal polymers, A. I. Barzic, R. M. Albu, L. I. Buruiana, High Performance Polymers and their Nanocomposites, P. M. Visakh, A. O. Semkin, Eds, Wiley and Scrivener Publ., Hoboken, N.Y., USA, 27-58
15. Polysaccharide-based ionic polymer metal composite actuators, A. Popa, A. Filimon, L. Lupa, Ionic Polymer Metal Composites for Sensors and Actuators, Inamuddin, A. M. Asiri, Eds., Springer, 19-34
16. Role of metal ion implantation on ionic polymer metal composite membranes, A. M. Dobos, A. Filimon, Ionic Polymer Metal Composites for Sensors and Actuators, Inamuddin, A. M. Asiri, Eds., Springer, 53-73
17. Transparent dielectric materials, L. I. Buruiana, A. I. Barzic, C. Hulubei, Modern Physical Chemistry, Engineering Models, Materials and Methods with Applications, R. Haghi, E. Besalu, M. Jaroszewski, S. Thomas, K. M. Praveen, Eds., Apple Academic Press, Waretown, NY, USA, 95-124
18. Drug delivery systems based on pullulan polysaccharides and their derivatives, A. G. Grigoras, Pharmaceuticals from Microbes. The Bioengineering Perspective, D. Arora, C. Sharma, S. Jaglan, E. Lichtfouse, Eds., Springer, 99-141
19. Nanorobots with applications in medicine, M. T. Nistor, A. G. Rusu, Polymeric Nanomaterials in Nanotherapeutics, C. Vasile, Ed., Elsevier, Amsterdam, 123-149
20. Polymeric nanomaterials: Recent developments, properties and medical applications, C. Vasile., Polymeric Nanomaterials in Nanotherapeutics, C. Vasile, Ed., Elsevier, Amsterdam, 1-66
21. Nucleic acids-based bionanomaterials for drug and gene therapy, E. Stoleru, C. Vasile, Polymeric Nanomaterials in Nanotherapeutics, C. Vasile, Ed., Elsevier, Amsterdam, 235-260
22. Electrospun polymeric nanostructures with applications in nanomedicine, B. S. Munteanu, C. Vasile, Polymeric Nanomaterials in Nanotherapeutics, C. Vasile, Ed., Elsevier, Amsterdam, 261-298
23. Magnetic polymeric nanocomposites, A. Diaconu, A. P. Chiriac, I. Neamtu, L. E. Nita, Polymeric Nanomaterials in Nanotherapeutics, C. Vasile, Ed., Elsevier, Amsterdam, 359-386
24. Nanogels containing polysaccharides for bioapplications, I. Neamtu, A. P. Chiriac, L. E. Nita, A. Diaconu, A. G. Rusu, Polymeric Nanomaterials in Nanotherapeutics, C. Vasile, Ed., Elsevier, Amsterdam, 387-420
25. Nanoscaled dispersed systems used in drug-delivery applications, C. N. Cheaburu-Yilmaz, H. Y. Karasulu, O. Yilmaz, Polymeric Nanomaterials in Nanotherapeutics, C. Vasile, Ed., Elsevier, Amsterdam, 437-468
26. Regulatory status of therapeutic polymeric materials, C. Vasile, L. Profire, A. Corciova, Polymeric Nanomaterials in Nanotherapeutics, C. Vasile, Ed., Elsevier, Amsterdam, 497-518
27. Responsive polymeric nanotherapeutics, D. Pamfil, C. Vasile, Polymeric Nanomaterials in Nanotherapeutics, C. Vasile, Ed., Elsevier, Amsterdam, 67-121
28. Application of chitosan-based formulations in controlled drug delivery, J. Desbrieres, C. Peptu, L. Ochiuz, C. Savin, M. Popa, S. Vasiliu, Sustainable Agriculture Reviews, 36(Chitin and Chitosan: Applications in Food, Agriculture, Pharmacy, Medicine and Wastewater Treatment), G. Crini, E. Lichtfouse, Eds., Springer, 241-314
29. Thermal behaviour and crystallization of green biocomposites, V. C. Grigoras, Sustainable Polymer Composites and Nanocomposites, Inamuddin, S. Thomas, R. K. Mishra, A. M. Asiri, Eds., Springer, 1185-1231

#### **4.19. Numar de citari conform Web of Science**

- **5605** (la 5.12.2017)

#### **4.20. Factor de impact cumulat**

Factor de impact cumulat (FIC) = 719,6

Factor de impact mediu/lucrari = FIC/(numar lucrari cotate ISI)= 3,198

#### 4.24. Conferinte invitate / plenare prezentate la manifestari stiintifice internationale: 18

1. Advanced polymeric materials in drug delivery; G. Fundueanu; International Congress of Apollonia" University, edition XXIX, Iasi, Romania, 28.02 - 3.03.2019
2. Metal-based anticancer drugs; M.F. Zaltariov, International Congress of „Apollonia” University from Iasi "By promoting excellence, we prepare the future" Edition XXIX, Iasi, Romania-, 28.02-3.03.2019
3. Studies on the preparation and characterization of porous innovative materials for possible biomedical applications; S. Vasiliu, I. Gugoasa, M. Popa, S. Racovita; International Congress of „Apollonia” University from Iasi "By promoting excellence, we prepare the future" Edition XXIX, Iasi, Romania-, 28.02- 3.03.2019
4. Plasma or gamma assisted active (nano)coatings deposition onto polymeric surfaces to obtain multifunctional materials for food packaging; C. Vasile, E. Stoleru, A. Irimia, B. S. Munteanu, R. P. Dumitriu, T. Zaharescu, G. E Ioanid, D. Pamfil; Technical Meeting on the Use of Radiation Technology in the Development of Active Packaging Materials; Budapest, Hungary, 20-24.05.2019
5. Hydrophobic nanocomposite formulations for organic based surfaces; C.-M. Popescu; Collaborative Conference on Materials Research (CCMR), Gyeonggi Goyang/Seoul, South Korea, 03-07.06.2019
6. Aspects on the xanthan chains conformation in solution; C.-E. Brunchi; 13<sup>th</sup> International Symposium on Cosmetic and Flavor Products, Iasi, Romania, 4-7.06.2019
7. Biomimetic footprints in cosmetics – pursuing Nature’s beauty; M. Teodorescu; 13<sup>th</sup> International Symposium on Cosmetic and Flavor Products, Iasi, Romania, 4-7.06.2019
8. From medical research to medical diagnosis by NMR spectroscopy; C. Deleanu; Adriatic NMR Conference, Mali-Ston, Croatia, 6-9.06.2019
9. Drug delivery systems and gene therapy non-viral vectors. Design and applications; M. Pinteala; EuroNanoForum 2019- Nanotechnology and advanced materials progress under horizon2020 and beyond, Bucharest, Romania, 12-14.06.2019.
10. How infrastructure investment and upgrading to on-demand research domains contribute to and represent a catalyst in creating a top research institute; M. Mihai; Week of Innovative Regions in Europe, The Xth edition 2019. Explore. Create. Innovate in your region, Iasi, Romania, 26.06.2019
11. Research on hollow cathodes; R. Schrittwieser, V. Tiron, I. Velicu, A.V. Nastuta, C. Costin, Gh. Popa, Z. Kechidi, C. Ionita, D. Alexandroaei, R. Apetrei, M. Asandulesa, P. Balan, M. Dobromir, C. Douat, S. Jaksch, D. Luca, C. Maszl, A. Murawski, R. Niedrist, B. Olenici-Craciunescu, C. Rusu, G.B. Rusu, P. Scheirer, I. Vojvodic; 19<sup>th</sup> International Balkan Workshop on Applied Physics, Constanta, Romania, 16-19.07.2019
12. Quantification of chemical changes taking place in spruce wood structure following long period thermal treatment; C.-M. Popescu, D. Ridley-Ellis, M.-C. Popescu; 2DCOS-10, The 10th International Symposium on Two-dimensional Correlation Spectroscopy; Changchun, China, 19-21.08.2019
13. Smart capacitors; Y. Sheima, P. Caspari, E. Perju, S. Dünki, Y. S. Ko, J. E. Quinsaat, M. Dascalu, F. A. Nüesch, D. M. Opris; ISE 2019 – 17<sup>th</sup> International symposium on electrets, Limerick, Irlanda, 02 -06.09.2019
14. Diagnosing rare metabolic diseases by NMR metabolomics. or, is rare indeed so rare?; C. Deleanu; Central European NMR Symposium, Belgrad, Serbia, 4-5.09.2019
15. Self-regulated drug delivery systems; G. Fundueanu; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
16. Innovative Biomaterials Based on Polyimide; T. Vlad-Bubulac, D. Serbezeanu; Humboldt Kolleg 2019 „Science without Borders: Alexander von Humboldt’s Concept in Today’s Works”, Varna, Bulgaria, 18 – 21.09.2019
17. Polysaccharide (nano)composites; V. Harabagiu, R. Rotaru, A.C. Humelnicu; 4<sup>th</sup> International Conference on Nanotechnologies and Biomedical Engineering (ICNBME-2019), Chisinau, Rep. Moldova, 18-21.09.2019
18. Effect of gamma irradiation on the plasticized PLA/chitosan/rosemary ethanolic extract biocomposites; D. Pamfil, C. Vasile, T. Zaharescu, M. Rapa, G. Vasilievici, E. Stoleru, R. P.

Dumitriu; Technical Meeting on the 'Recycling of Polymer Wastes by Radiation', Vienna, Austria, 30.09 – 04.10.2019

**4.25. Conferinte invitate/plenare prezentate la manifestari stiintifice nationale: 20**

1. Abordari interdisciplinare in nanomedicina – provocari pentru viitor; M. Pinteala; Congresul national de neurostiinte moderne, Iasi, Romania, 30.10-03.11.2019
2. Hydrogels in heart valve tissue engineering application; D. Ciolacu, A.R. Petrovici, G. Pricope-Gavrila, R. Nicu; Workshop "Progrese recente in domeniul obtinerii de bio-matrici in ingineria valvei aortice", Bucuresti, 22.05.2019
3. Nanoparticule magnetice folosite ca sisteme de transport a compusilor bioactive; A. Fifere; Nanoparticule inteligente pentru livrarea directionata de compusi bioactivi: preparare, caracterizare si aplicatii, Bucuresti, Romania, 23-24.05.2019
4. Polysaccharide materials for health and high-tech application; V. Harabagiu, R. Rotaru, A.-C. Humelnicu; The 12<sup>th</sup> Edition of the Symposium with International Participation: New Trends and Strategies in the Chemistry of Advance Materials of Relevance in Biological Systems, Techniques and Environmental Protection; Timisoara, 06-07.06.2019
5. Analiza TG-FTIR/MS in studiul materialelor polimerice - posibilitati si limite; M. Brebu; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
6. Hidrogelarea chitosanului cu monoaldehide – o strategie promitatoare pentru obtinerea de eco-materiale sustenabile; L. Marin; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
7. Progrese in sinteza si aplicatiile hidrogelurilor compozite poroase pe baza de chitosan; E.S. Dragan, M.V. Dinu; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
8. Institutul de Chimie Macromoleculara "Petru Poni". Cercetare de excelenta in cadrul Academiei Romane, M. Mihai, Sesiunea aniversara Institutul de Chimie Macromoleculara "Petru Poni" 70 de ani de activitate, Bucuresti, Romania, 16.10.2019
9. Interdisciplinary approaches in nanomedicine-challenges for the future; M. Pinteala; 18th National Seminar on Nanoscience and Nanotechnology SNN 2019, Iasi, Romania, 24-25.10.2019
10. Nano/microstructures and materials containing (poly)siloxanes; M. Cazacu, C. Racles, M. Dascalu, M.F. Zaltariov, A. Bele, C. Tugui; 18th National Seminar on Nanoscience and Nanotechnology SNN 2019, Iasi, Romania, 24-25.10.2019

**4.26a. Comunicari orale prezentate la manifestari stiintifice internationale: 88**

1. Assessing the applicability of PPP/PEG-NH<sub>2</sub>/Hys/MAB amphiphilic micelles as carriers for active principles; D. Serbezeanu, T. Vlad-Bubulac, M. Aflori, V. Balan; International Congress of „Apollonia” University from Iasi "By promoting excellence, we prepare the future" Edition XXIX, Iasi, Romania-, 28.02- 3.03.2019
2. Conceptul teranostic si mecanismele farmacologice ale terapiei moleculare, X. Patras, V. Burlui, O. Daraba, L. Sachelarie, G. Mihalache, M. Fortuna; International Congress of „Apollonia” University from Iasi "By promoting excellence, we prepare the future" Edition XXIX, Iasi, Romania-, 28.02- 3.03.2019
3. Functionalization of silica microparticles with polyelectrolyte multilayers to control the sorption of organic pollutants; C.-A. Gheorghita, F. Bucatariu, E.S. Dragan; International Congress of „Apollonia” University from Iasi "By promoting excellence, we prepare the future" Edition XXIX, Iasi, Romania-, 28.02- 3.03.2019
4. Ionic curdled hydrogels for medical and pharmaceutical application; D.M. Suflet; International Congress of „Apollonia” University from Iasi "By promoting excellence, we prepare the future" Edition XXIX, Iasi, Romania-, 28.02- 3.03.2019
5. Layer-by-layer polyelectrolyte architectures with enhanced sorption/desorption properties for heavy metal ions; F. Bucatariu, C.-A. Gheorghita, M. Mihai, International Congress of „Apollonia”

- University from Iasi "By promoting excellence, we prepare the future" Edition XXIX, Iasi, Romania-, 28.02- 3.03.2019
6. Multiwalled carbon nanotubes toxicity in Lemna minor L; M.E. Fortuna, S.M. Oлару, A. Lobiuc, E.I. Oлару, X. Patras, S. Nica, V. Harabagiu, M.M. Zamfirache; International Congress of „Apollonia” University from Iasi "By promoting excellence, we prepare the future" Edition XXIX, Iasi, Romania-, 28.02- 3.03.2019
  7. Natural-based polymers for biomedical applications; M. C. Stanciu, M. Nichifor, G. Mocanu; International Congress of „Apollonia” University from Iasi "By promoting excellence, we prepare the future" Edition XXIX, Iasi, Romania-, 28.02- 3.03.2019
  8. New polymeric cryogels for biomedical applications as controlled release of enalapril maleate; A.-M. Ipate, C. Hamciuc, S. Gherman, L. Ochiuz; International Congress of „Apollonia” University from Iasi "By promoting excellence, we prepare the future" Edition XXIX, Iasi, Romania-, 28.02- 3.03.2019
  9. Porous poly(N-isopropylacrylamide-co-hydroxyethylacrylamide) hydrogels for controlled delivery of drugs; S. Bucatariu, M. Constantin, G. Fundueanu; International Congress of „Apollonia” University from Iasi "By promoting excellence, we prepare the future" Edition XXIX, Iasi, Romania-, 28.02- 3.03.2019
  10. Engineered macroporous biomaterials with tuned swelling and chelating properties; M.V. Dinu, I. A. Dinu, M. M. Lazar, E.S. Dragan; 11th International Conference on Materials Science & Engineering (BRAMAT-2019), Brasov, Romania, 13-16.03.2019
  11. Metal complexes as antitumor agents: design, structure-activity relationship and perspective; M. F. Zaltariov, 11th International Conference on Materials Science & Engineering (BRAMAT-2019), Brasov, Romania, 13-16.03.2019
  12. Optimizing the conditions for obtaining xanthan based biomaterials using the freeze-thawing method; I. E. Raschip, M. V. Dinu, N. Fifere, 11th International Conference on Materials Science & Engineering (BRAMAT-2019), Brasov, Romania, 13-16.03.2019
  13. Removal of heavy metal ions from multi-component aqueous solutions by eco-friendly biocomposites; M.M. Lazar, I.A. Dinu, M.V. Dinu; 11th International Conference on Materials Science & Engineering (BRAMAT-2019), Brasov, Romania, 13-16.03.2019
  14. Waste minimization in water purification processes by reusing the copper(II)-loaded biosorbents as catalysts in degradation of organic pollutants; M.V. Dinu, M.M. Lazar, E.S. Dragan, I.A. Dinu; 11th International Conference on Materials Science & Engineering (BRAMAT-2019), Brasov, Romania, 13-16.03.2019
  15. Biocomposite active si biodegradabile pe baza de PLA pentru ambalaje alimentare; M. Rapa, C. Vasile, E. Grosu, A.R. Trifoi, .N. Darie-Nita, E. Burnaru, R.P. Dumitriu, M. Sivertsik, J. Rosnes.C. Mitelut, E.E. Popa, E.M. Popa, B.S.Munteanu, L. Moldovan; Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii, PROINVENT, Ed.XVII, Cluj Napoca, 20-22.03 2019
  16. Computational determination of the charge transfer excited state in azobenzene maleimide derivatives; D. L. Isac, A. Airinei, C. Cojocar, A. Neamtu, F. Mocci, A. Laaksonen, M. Pinteala; Young researchers meet molecular spectroscopy YRMS-2019, Pisa, Italia, 4-5.04.2019
  17. Chitosan hydrogelation with monoaldehydes: a new strategy to multifunctional biomaterials; L. Marin, D. Ailincai, M.M. Iftime, A.M. Craciun, A. Bejan; 9th International Conference of the Chemical Societies of the South-East European Countries (ICOSECS 2019), Targoviste, Romania, 8-11.05.2019
  18. Iminoboronate chitosan hydrogels – promising materials for the treatment of candidiasis; D. Ailincai, L. Marin; 9th International Conference of the Chemical Societies of the South-East European Countries (ICOSECS 2019), Targoviste, Romania, 8-11.05.2019
  19. NMR diagnosis of rare metabolic diseases; C. Deleanu, A. Nicolescu; 9th International Conference of the Chemical Societies of the South-East European Countries (ICOSECS 2019), Targoviste, Romania, 8-11.05.2019
  20. Phenothiazine Based Nanocrystals With Tuned Solid State Emission; A. Bejan; L. Marin; 9th International Conference of the Chemical Societies of the South-East European Countries (ICOSECS 2019), Targoviste, Romania, 8-11.05.2019
  21. The use of bicine and tricine as possible Maillard reagents in a combined thermal/chemical modification of beech; D Jones, C. M Popescu, D Kržišnik, M Hočevar, M Humar, M. C Popescu; IRG50 Scientific Conference on Wood Protection, Quebec City, Canada, 12–16 .05.2019

22. Plasma or gamma assisted active (nano)coatings deposition onto polymeric surfaces to obtain multifunctional materials for food packaging; C. Vasile, E. Stoleru, A. Irimia, B. S. Munteanu, R. P. Dumitriu, T. Zaharescu, E. Ioanid, D. Pamfil; Technical meeting on the "Use of radiation technology in the development of active packaging materials", Budapest, Hungary, 20-24.05.2019.
23. Adsorption of copper ions from aqueous solution by magnetic chitosan composite: Thermodynamic and kinetic studies, A. Ibanescu, D. Hritcu, M. Sillion, M.I. Popa, 11<sup>th</sup> International Conference of Applied Sciences, CISA 2019, Bacau, Romania, 22-24.05.2019
24. In vitro and in vivo studies of two simultaneous intercalated drugs into layered double hydroxides; M. Sillion, M.C. Alexandrica, M.I. Popa, 11<sup>th</sup> International Conference of Applied Sciences, CISA 2019, Bacau, Romania, 22-24.05.2019
25. Dynamics of a V-shape plasma produced by excimer laser ablation of graphite; C. Ursu, B.G. Rusu, M. Olaru, P.E. Nica, C. Focsa; Spring Meeting of the European Materials Research Society (E-MRS), Nice, France, 27-31.05.2019
26. The influence of bio-based nanocomposite materials coated seeds on the plant development; M. C. Popescu, B. I. Dogaru, P. Gradinariu, C. M. Popescu; Collaborative Conference on Materials Research (CCMR), Gyeonggi Goyang/Seoul, South Korea, 03-07 June 2019
27. Cellulose-based hydrogels with antimicrobial properties; F. Ciolacu, D. Ciolacu, 13th Romanian International Symposium on Cosmetic and Flavor Products – "Cosmetology – the essence of beauty and wellness", Iasi, Romania, 4-7.06. 2019
28. Filme bioactive obtinute din emulsie pe baza de chitosan si ulei de maces; E. Stoleru, E. Butnaru, R. N. Darie-Nita, C. Vasile; 13th Romanian International Symposium on Cosmetic and Flavor Products – "Cosmetology – the essence of beauty and wellness", Iasi, Romania, 4-7.06. 2019
29. New insights into antitumor activity of new metal complexes based on thiosemicarbazone and indoloquinoline proligands; M. F. Zaltariov, 13th Romanian International Symposium on Cosmetic and Flavor Products – "Cosmetology – the essence of beauty and wellness", Iasi, Romania, 4-7.06. 2019.
30. Gamma radiation effect on the properties of plasticized polylactic acid/rosemary extract films; D. Pamfil, T. Zaharescu, R.P. Dumitriu, E. Stoleru, G.M. Pricope, M. Rapa, E. Butnaru, C. Vasile; 13th Romanian International Symposium on Cosmetic and Flavor Products – "Cosmetology – the essence of beauty and wellness", Iasi, Romania, 4-7.06. 2019
31. Novel chitosan/dextrin cryogel films embedding Thymus Vulgaris essential oil; M.V. Dinu, A.C. Aprotosoiaie, M.M. Lazar, I.A. Dinu, I.E. Raschip; 13th Romanian International Symposium on Cosmetic and Flavor Products – "Cosmetology – the essence of beauty and wellness", Iasi, Romania, 4-7.06. 2019
32. Obtinerea prin metoda inghet-dezghet a biomaterialelor care contin xantan; I. E. Raschip, N. Fifere; 13th Romanian International Symposium on Cosmetic and Flavor Products – "Cosmetology – the essence of beauty and wellness", Iasi, Romania, 4-7.06. 2019
33. Rheological behaviour of PVA hydrogels suitable for cosmetic applications; I.-A. Plugariu, M. Bercea, S. Morariu, D. Barala; 13th Romanian International Symposium on Cosmetic and Flavor Products – "Cosmetology – the essence of beauty and wellness", Iasi, Romania, 4-7.06. 2019
34. Development of mesoporous titania with improved photocatalytic activity; E. Mahu, M. Ignat, C. Cojocar, P. Samoila, I. Asaftei, V. Harabagiu; ROMCAT The 12<sup>th</sup> International Symposium of the Romanian Catalysis Society, Bucuresti, 05-07.06.2019
35. Artificial muscles responsive to low voltages; Y. Sheima, P. Caspari, E. Perju, S. J. Dünki, F. A. Nüesch, D. M. Opris; European Polymer Congress, Creta, Grecia, 9-14.06.2019
36. Chitosan imination with monoaldehydes – a synthetic approach towards multifunctional hydrogels; L. Marin; European Polymer Congress, Creta, Grecia, 9-14.06.2019
37. Citryl-imine-PEG-ylated chitosan hydrogels – promising materials for bioapplications; D. Ailincai, L. Marin; European Polymer Congress, Creta, Grecia, 9-14.06.2019
38. Cellulose hydrogels for tissue engineering; D. Ciolacu, D. Rusu, F.I. Javier Pastor; The 23<sup>rd</sup> International Scientific Conference „ Inventica 2019”, Iasi, Romania, 26–28.06.2019
39. Cellulose-dextran hydrogels in heart valve tissue engineering; D. Ciolacu, A. R. Petrovici, A. C. Mihaila, E. Butoi, The 23<sup>rd</sup> International Scientific Conference „ Inventica 2019”, Iasi, Romania, 26–28.06.2019

40. Hydrogel matrices based on polyssacharides: design-morphology relationship; D. Rusu, D. Ciolacu; The 23<sup>rd</sup> International Scientific Conference „ Inventica 2019”, Iasi, Romania, 26–28.06.2019
41. Synthesis, characterization and photocatalytic activity of Cu/guanidine/disiloxane complexes; M.E. Fortuna, L. Pricop, M. Ignat, D. Popovici, V. Purcar, V. Harabagiu; 21<sup>th</sup> International Conference on Nanoscience, Nanotechnology and Advanced Materials, Praga, Czech Rep., 09-10.07.2019
42. Ionic exchange membranes based on quaternized polysulfones: Dielectric response; A. Filimon, A. M. Dobos, V.E. Musteata; 19th International Balkan Workshop on Applied Physics, Constanta, Romania, 16-19.07.2019
43. Aminophenyl)porphyrins as precursors for the synthesis of porphyrin-modified siloxanes, J. Almeida, M.E. Fortuna, A. Leite, A.M.N. Silva, R.P. Monteiro, M. Rangel, V. Harabagiu, A.M.G. Silva, XXVI Encontro Nacional da Sociedade Portuguesa de Quimica, Faculdade de Ciencias da Universidade do Porto, 24-26.07.2019
44. Studies on the influence of environmental factors and composition on the thermal stability of paint coat deposited on pinewood; A. Mihaila, A.-M. Ipate, M.-F. Zaltariov, R. Constantinel, G. Lisa; 5th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC5), 14th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta2019), Roma, Italy, 27 – 30.08. 2019
45. Wood biocomposites with different epoxy systems. Thermal behaviour; C.-D. Varganici, D. Rosu, F. Mustata, L. Rosu, T. Rusu; 5th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC5), 14th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta2019), Roma, Italy, 27 – 30.08. 2019
46. Strategies for Bimetallic Materials Electrodeposition with Applications for Sensitive Detection of Biomolecules; A. Arvinte; Euroanalysis XX Conference, Istanbul, Turkey, 1-5.09.2019
47. 3d-5d-4f heterometallic octanuclear complexes and 1D coordination polymers assembled from the same lego pieces, A. Dogaru, G. Marinescu, C. Maxim, S. Shova, R. Clérac, M. Andruh, 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
48. Alginate-pluronic hydrogels obtained by thiol-ene photo-click reaction; I. Popescu, M. Constantin; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
49. Attempts to increase the electromechanical performance of siloxane elastomers; M. Dascalu; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
50. Contributions to Recent Developments in Silicone Materials: Dielectric Elastomer Transducers (DETs); M. Cazacu, C. Tugui, A. Bele, G. Stiubianu, M. Dascalu, C. Racles; RICCCE XXI, 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
51. Design and development of sponge-type hydrogel composed of hyaluronic acid and poly(methylvinylether-alt-maleic acid) for biomedical applications; S. Bucatariu, M. Constantin, G. Fundueanu; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
52. Evaluating the water and oil holding capacity of solid residues in the food industry; V. Bejenari, A.-M. Ipate, D. Rusu, C. A. Peptu, G. Lisa; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
53. Hybrid polymer composites with Ag, Au or Au-Ag NPs as photocatalysts for the degradation/reduction of nitroaromatics; A. L. Chibac, L. Stroea, V. Melinte; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
54. Salen-Type Ligands Derived from a Highly Flexible Organic-Inorganic Diamine and Their Metal Complexes (M. Damoc, A. Stoica, M. Dascalu, A. M. Maccsim, M. Cazacu); 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019



55. Size and morphology of nanoparticles obtained by self-assembly of dextran based block copolymers; M. C. Stanciu, M. Nichifor, F. Doroftei; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
56. Tetranuclear Complex of 3-Formylsalicylic Acid Schiff Base Carrying Silanol Tails; A.-C. Stoica, M. Damoc, M. Dascalu, M. Cazacu; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
57. Innovative polymeric materials or composites for priority pollutants removal; M. Mihai, S. Racovita, N. Marangoci, S. Vasiliu, C.-A. Gheorghita, M. Zaharia, F. Bucatariu, 10th International Conference on Environmental Engineering and Management (ICEEM 10), Iasi, Romania, 18-21.09.2019
58. Ligand-functionalized polysaccharide-based composites as novel sorbents for removal of heavy metal ions; M.M. Lazar, A. Tapalaga, I.A. Dinu, I.E. Raschip, V. Gavriluta, L. Ghiba, M.V. Dinu; 10th International Conference on Environmental Engineering and Management (ICEEM 10), Iasi, Romania, 18-21.09.2019
59. Chitosan based copolymers with enhanced solubility properties; B. I. Andreica, D. Ailincai, L. Marin; 13th Students' Congress of SCTM, Skopje, Macedonia, 19-21.09.2019
60. Fabrication of 2-formylphenylboronic acid-chitosan nanofibers and their application in wound healing; A. Anisie, M. Maris, A.-C. Bostanaru, L. Marin; 13th Students' Congress of SCTM, Skopje, Macedonia de Nord, 19-21.09.2019
61. PEGylated phenothiazine derivatives as water soluble precursors for biomaterials; S. Cibotaru, D. Belei, L. Marin; 13th Students' Congress of SCTM, Skopje, Macedonia de Nord, 19-21.09.2019
62. The influence of maceration-fermentation techniques on the content of antioxidant substances in three experimental wines obtained from Feteasca Neagra; A. Popirda, C. E. Luchian, I. Raschip, C. E. Scutarasu, L. Vlase, A. M. Toiu, L. C. Colibaba, V. V. Cotea; "Life sciences for sustainable development", Cluj-Napoca, Romania, 26 - 28.09.2019.
63. Effect of gamma irradiation on the plasticized PLA/Chitosan/Rosemary ethanolic extract biocomposites; D. Pamfil, C. Vasile, T. Zaharescu, M. Rapa, G. Vasilevici, E. Stoleru, R. P. Dumitriu; Technical meeting on the 'Recycling of Polymer Wastes by Radiation' Vienna, Austria, 30.09 - 4.10.2019.
64. Optical dispersion characteristics of polyvinyl alcohol reinforced with a nanoceramic filler; A.I. Barzic, M. Soroceanu, R. Rotaru, V. Harabagiu; The 5th International Conference on Polymers Processing in Engineering, Galati, Romania, 7-9.10.2019
65. Surface processing of polyethylene terephthalate for orientation of nematics in display devices; A.I. Barzic, R.M. Albu, C.D. Nechifor, M. Postolache, D.O. Dorohoi; The 5th International Conference on Polymers Processing in Engineering, Galati, Romania, 7-9.10.2019
66. Chitosan – a versatile platform for biomedical applications. II. Chitosan-based scaffolds for tissue engineering; I. A. Duceac, F. Tanasa; International Conference "Achievements and perspectives of modern chemistry" dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
67. Evaluation of methylene blue interaction with human serum albumine and poly(acrylic acid): computational studies and experimental validation; C. Cojocaru, L. Clima; International Conference "Achievements and perspectives of modern chemistry" dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
68. Human serum albumine and poly(acrylic acid): Computational studies and experimental validation; C. Cojocaru, L. Clima; International Conference "Achievements and perspectives of modern chemistry" dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
69. Innovative protocols for the selective oxidation of cellulose; S. Coseri, G. Biliuta; International Conference "Achievements and perspectives of modern chemistry" dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
70. Hybrid photopolymerized nanocomposites used as photocatalysts for organic pollutant degradation; A. L. Chibac, T. Buruiana, V. Melinte; International Conference "Achievements and perspectives of modern chemistry" dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019

71. Photocatalytic performance of polymeric hybrid coatings containing ZnO nanoparticles; L. Stroea, V. Melinte, A. L. Chibac, V. Podasca, T. Buruiana; International Conference "Achievements and perspectives of modern chemistry" dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
72. Polymer-based composites for heavy metal ions, M. Mihai, F. Bucatariu, S. Vasiliu, International Conference "Achievements and perspectives of modern chemistry" dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
73. Polymeric supramolecular nucleic acids delivery systems: Dynamic combinatorial libraries; L. Clima; International Conference "Achievements and perspectives of modern chemistry" dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
74. Study of modified nano-composites for applications in textile materials industry; I.D. Timpu, M.-C. Rosu, C. Socaci; The 5<sup>th</sup> International Leather Engineering Congress "Innovative Aspects for Leather Industry"; Izmir, Turkey, 10-12.10.2019
75. Fullerene, siloxane, cyclodextrin and polyrotaxane: a non-viral approach in gene delivery; D. Peptanariu, M. Pinteala; International Conference on Nanomedicine and Nanobiotechnology - ICONAN, Munchen, Germania, 16-19.10.2019
76. Supramolecular dynamic non-viral vectors: synergistic effect of low molecular weight polyethylenimine and polyethylene glycol on transfection efficiency and cytotoxicity; L. Clima; B. F. Craciun, M. Pinteala; International Conference on Nanomedicine and Nanobiotechnology - ICONAN, Munchen, Germania, 16-19.10.2019
77. Chitosan-based composite cryogels: preparation, characterization and potential applications; M.V. Dinu, A.C. Aprotosoiaie, M.M. Lazar, I.A. Dinu, A.C. Gradinaru; 6<sup>th</sup> EPNOE International Polysaccharide Conference, Aveiro, Portugalia, 21 - 25.10.2019
78. Chitosan-based cryo-composites with 3D porous morphology and selective metal ion sorption properties; M.M. Lazar, I.A. Dinu, M.V. Dinu; 6<sup>th</sup> EPNOE International Polysaccharide Conference, Aveiro, Portugalia, 21 - 25.10.2019
79. Novel bioactive xanthan-based films with tuned architecture and swelling properties; I.E. Raschip, N. Fifere, D. Pamfil, 6<sup>th</sup> EPNOE International Polysaccharide Conference, Aveiro, Portugalia, 21 - 25.10.2019
80. Biocompatible gold nanoparticles - chitosan composite films for medical implantation applications; A. Cazacu, A. Cernescu, E.L. Ursu; The 8<sup>th</sup> International Conference on Biomedical Engineering and Biotechnology (ICBEB 2019), Seul, Coreea de Sud, 22-25.10.2019
81. A step forward in the development of titania photocatalyst synthesis: plasma induced porous structure; M. Ignat, C. Coromelci, S. Vishkulli, E. Mahu, V. Harabagiu; International Conference on New Trends in Environmental and Materials Engineering, Galati, 23-25.10.2019
82. Correlation of mesoporous titania properties with titanium sources used in the ultrasound synthesis procedure; E. Mahu, M. Ignat, C. Cojocar, P. Samoila, C. Coromelci, V. Harabagiu; International Conference on New Trends in Environmental and Materials Engineering, Galati, 23-25.10.2019
83. Epoxidized vegetable oils for wood protection against fungal degradation; C.-D. Varganici, L. Rosu, F. Mustata, D. Rosu, I. Rosca, T. Rusu, E. Marlica, C.-A. Teaca; The 12<sup>th</sup> edition of the International Conference "Wood Science and Engineering in the Third Millennium" ICWSE 2019, Brasov, Romania, 7-9.11. 2019
84. Modifications in spruce wood structure following hydro-thermal treatment evaluated by NIR spectroscopy; C. M. Popescu, N. Zeniya, K. Endo, T. Genkawa, E. Obataya; ICWSE 2019, Brasov, Romania, 7-9.11. 2019
85. Cytotoxicity Evaluation of New Ruthenium Complexes; M.-F. Zaltariov, M. Butnaru, D. Peptanariu; The 7<sup>th</sup> IEEE International Conference on E-Health and Bioengineering - EHB 2019 Grigore T. Popa University of Medicine and Pharmacy, Iasi, Romania, 21-23.11.2019
86. Mucoadhesive composites based on polyurethane/AgNPs for urinary catheter application; Bl. Ciubotaru, M.F. Zaltariov, L. Verestiuc, D. Filip, D. Macocinschi; The 7<sup>th</sup> IEEE International Conference on E-Health and Bioengineering - EHB 2019 Grigore T. Popa University of Medicine and Pharmacy, Iasi, Romania, 21-23.11.2019

87. Design of biologically active surfaces based on functionalized polysulfones by electrospinning; A. Filimon, N. Olaru, F. Doroftei, S. Dunca; 23rd International Electronic Conference on Synthetic Organic Chemistry, Santiago de Compostela, Spania, 15.11-15.12.2019
88. Polysulfone- based membranes with implications in water treatment: Rheological aspects; M.-D. Onofrei, A. Filimon; 23rd International Electronic Conference on Synthetic Organic Chemistry, Santiago de Compostela, Spania, 15.11-15.12.2019

**4.26b. Postere prezentate la manifestari stiintifice internationale: 79**

1. An overview of application of silver nanoparticles for biomaterials, M. Mandru, M. Spiridon, L.M. Gradinaru, M. Aflori, R. Albulescu, International Congress of „Apollonia” University from Iasi "By promoting excellence, we prepare the future" Edition XXIX, Iasi, Romania-, 28.02-3.03.2019
2. Product quality and performance of transdermal dosage forms- stare of the art; M. Spiridon, M. Mandru, M. Fundueanu-Constantin, L. Romila, A. Burlui; International Congress of „Apollonia” University from Iasi "By promoting excellence, we prepare the future" Edition XXIX, Iasi, Romania-, 28.02- 3.03.2019
3. Ultrafine fibers of cellulose acetate butyrate (cab) electrospun from 2-methoxyethanol – dimethylformamide systems; G. Calin, S. Nichitus, N. Olaru; International Congress of „Apollonia” University from Iasi "By promoting excellence, we prepare the future" Edition XXIX, Iasi, Romania-, 28.02- 3.03.2019
4. Surface modification of layered double hydroxides (LDHs) as a promising way to improve their proprieties; S-A. Ibanescu, M. Sillion, A. Coroaba, M.C. Alexandrica, M. Pinteala; 6th International Conference on Multifunctional, Hybrid and Nanomaterials 2019, Sitges, Spain, 11-15.03.2019
5. Novel films based on xanthan / polyvinyl alcohol impregnated with antioxidant agents for food industry; N. Fifere, I. E. Raschip, M. V. Dinu, C. E. Luchian, A. Popirda; 11<sup>th</sup> International Conference On Materials Science & Engineering, BraMat 2019, Poiana Brasov, Romania, 13-16.03.2019
6. A synthetic strategy to cyclosiloxane monomers containing push-pull moieties and their anionic ring opening polymerization; E. Perju, E. Cuervo-Reyes, S. Shova, F. Nüesch, D. M. Opris; Frontiers in polymer science, Budapesta, Ungaria, 5-8.05.2019
7. Interlaboratory quantitation assessment for NMR metabolomics; G. Ailiesei, C. Dorneanu, A.-M. Macsim, C. Stavarache, L. Tirnacop, A. Nicolescu, C. Deleanu; 9th International Conference of the Chemical Societies of the South-East European Countries „Chemistry a Nature Challenger”, Targoviste, Romania, 8-11.05.2019
8. New fluorene based polymer with white electro-luminescence, D. Popovici, A. Rotaru, L. Marin; 9th International Conference of the Chemical Societies of the South-East European Countries „Chemistry a Nature Challenger”, Targoviste, Romania, 8-11.05.2019
9. Synthesis and characterization of a novel chitosan derivative using trimethylene carbonate; B. I. Andreica, D. Ailincai, L. Marin; 9th International Conference of the Chemical Societies of the South-East European Countries „Chemistry a Nature Challenger”, Targoviste, Romania, 8-11.05.2019
10. The development of chitosan nanoparticles using ionic gelation method; S. Constantin, I. Vasincu, M. Apotrosoaei, A.Vasincu, A.R. Petrovici, L. Profire; 9th International Conference of the Chemical Societies of the South-East European Countries „Chemistry a Nature Challenger”, Targoviste, Romania, 8-11.05.2019
11. Water soluble Phenothiazine derivatives; S. Cibotaru, D. Belei, L. Marin, 9th International Conference of the Chemical Societies of the South-East European Countries „Chemistry a Nature Challenger”, Targoviste, Romania, 8-11.05.2019
12. Modelling and characterization of Al-doped zinc oxide as electrode material for microfluidic systems; O. T. Nedelcu, M. Sucheaa, T. Sandu, I. V. Tudose, M. Popescu, P. Pascariu, C. Tibeica; European Materials Research Society Spring Meeting 2019, Acropolis Congress Centre, Nice, France, 27-31.05.2019
13. Novel graphene/TiO<sub>2</sub>/PVDF composite nano and micro fibers fabrication and properties; I. V. Tudose, C. Pachi, P. Pascariu, S. Mihaila, M. Popescu, O. N. Ionescu, E. Koudoumas, M. Sucheaa; European Materials Research Society Spring Meeting 2019, Acropolis Congress Centre, Nice, France, 27-31.05.2019

14. Gamma radiation effect on the properties of plasticized polylactic acid/rosemary extract films; D. Pamfil, T. Zaharescu, R. P. Dumitriu, E. Stoleru, G. M. Pricope, M. Rapa, E. Butnaru, C. Vasile; 13th Romanian International Symposium on Cosmetic and Flavor Products – “Cosmetology – the essence of beauty and wellness”, Iasi, Romania, 4-7.06. 2019
15. Hydrogels based on cellulose-dextran for controlled drug release; D. Ciolacu, A.R. Petrovici, R. Nicu; 13th Romanian International Symposium on Cosmetic and Flavor Products – “Cosmetology – the essence of beauty and wellness”, Iasi, Romania, 4-7.06. 2019
16. Matrici polimere hibride – evaluare pentru aplicatii biomedicale; G. David, A. Bargan, I. Rosca, M. Iachim, G. Pricop; 13th Romanian International Symposium on Cosmetic and Flavor Products – “Cosmetology – the essence of beauty and wellness”, Iasi, Romania, 4-7.06. 2019
17. Polymer-protein interactions in dilute solution; I.-A. Plugariu, M. Bercea, S. Morariu, D. Barala; 13th Romanian International Symposium on Cosmetic and Flavor Products – “Cosmetology – the essence of beauty and wellness”, Iasi, Romania, 4-7.06. 2019
18. Preparation, characterization and biocompatibility evaluation of cellulose-based hydrogels; D. Rusu, D. Ciolacu; 13th Romanian International Symposium on Cosmetic and Flavor Products – “Cosmetology – the essence of beauty and wellness”, Iasi, Romania, 4-7.06. 2019
19. Synthesis of bio-cryogels for tissue engineering applications; A. R. Petrovici, F. Doroftei, D. Ciolacu; 13th Romanian International Symposium on Cosmetic and Flavor Products – “Cosmetology – the essence of beauty and wellness”, Iasi, Romania, 4-7.06. 2019
20. Modeling the conformational characteristics of ionic polymers in solution; A. Filimon, A.M. Dobos, A. Popa; The 12th Edition of the Symposium with International Participation: New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, Timisoara, Romania, 6-7.06.2019
21. Aptamer-functionalized polymeric nanocapsules — a promising alternative for the basal cell carcinoma treatment; DM. Rata, A. Cadinoiu, LI. Atanase, LM. Gradinaru, MC.Teodor, M. Popa; 2nd International Conference on Nanomaterials Science and Mechanical Engineering, University of Aveiro, Portugal, 9-12.06.2019
22. Nitrosalicyl-imine-chitosan hydrogels as matrix for drug delivery systems in local therapy; A. M. Craciun, M. Pinteala, L. Marin; European Polymer Congress, EPF 2019, Heraklion, Grecia, 9-14.06.2019
23. Poly(azomethine-phenothiazine) Dyes with Efficient Green Light Emission in Solid State; A. Bejan; L. Marin; D. Ailincai; European Polymer Congress, EPF 2019, Heraklion, Grecia, 9-14.06.2019
24. Photocatalytic activity of rare earth (La, Er, Sm) doped ZnO nanostructures under UV irradiation for Congo-Red dye degradation; P. Pascariu, M. Sucheana; EuroNanoForum 2019, Bucharest, Romania, 12-14.06.2019
25. Photocatalytic metal oxide materials for air purification applications; M. Sucheana, I. V. Tudose, C. Pachi, P. Pascariu, A. Dinescu, E. Koudoumas; EuroNanoForum 2019- Nanotechnology and advanced materials progress under horizon2020 and beyond, Bucharest, Romania, 12-14.06.2019
26. Rheological response in cellulose acetate/ tetraethyl orthosilicate binary systems; A. M. Dobos, A. Filimon, A. Bargan; 19th International Balkan Workshop on Applied Physics, Constanta, Romania, 16-19.06.2019
27. Cellulose-based superabsorbent hydrogels; D. Ciolacu; The 23th International Exhibition of Inventions "INVENTICA 2019", Iasi, Romania , 26-28.06. 2019
28. Procedeu de Obtinere a unui Film Polimeric pentru Aplicatii Biomedicale; M. Aflori, D. Serbezeanu, E. G. Ioanid, M. Butnaru, M. Angheloiu; The 23th International Exhibition of Inventions "INVENTICA 2019", Iasi, Romania , 26-28.06. 2019
29. Procedure and composition for preparation of superabsorbent materials based on pullulan; D. Ciolacu, D. Rusu; The 23th International Exhibition of Inventions "INVENTICA 2019", Iasi, Romania , 26-28.06. 2019
30. Procedure and compositions for obtaining polymeric materials with antimicrobial and antioxidant properties; A. Irimia, G.E. Ioanid, C. Vasile; The 23th International Exhibition of Inventions "INVENTICA 2019", Iasi, Romania , 26-28.06. 2019

31. The influence of gold nanoparticles on germination of carrot seeds; I. Bodale, G. C. Teliban, E.L. Ursu, V. Stoleru, A. Cazacu; 19th International Multidisciplinary Scientific GeoConference (SGEM2019), Albena, Bulgaria, 28.06- 7.07.2019
32. Gold Nanoparticles Synthesis and Investigation of their Effects on Vegetable Seeds Germination; A. Cazacu, E.L. Ursu, G.C. Teliban, I. Bodale, V. Stoleru; 16th International Conference on Nanosciences and Nanotechnologies (NN19), Thessaloniki, Grecia, 2-5.07.2019
33. DFT Study Of Two Steps Reaction Mechanism Of Obtaining Imide Compounds Base On Bicyclo[2,2,2]-7-octene-2,3,5,6-Tetracarboxylic Dianhydride; D. Popovici; Scientific Summer School "Molecular Modeling: Real Application and New Approches", Sardinia, Italia, 29.07 – 02.08 2019
34. Functionalized  $\beta$ -cyclodextrin as trans-membrane channel; T. Vasiliu, A. Neamtu, M. Pinteala; Scientific Summer School "Molecular Modeling: Real Application and New Approches", Sardinia, Italia, 29.07 – 02.08 2019
35. Assessment of the environmental degradation process occurring in nanocomposite materials containing polyvinyl alcohol, starch and cellulose nanocrystals; M.C. Popescu, B. I. Dogaru, P. Gradinariu; The 10th International Symposium on Two-dimensional Correlation Spectroscopy; 2DCOS-10, Changchun, China, 19-21.08.2019
36. Enamine derivatives of pyrrolo[1,2-a]quinoxalines generated by 1,3-dipolar cycloadditions; A. Nicolescu, E. Georgescu, F. Georgescu, C. Deleanu; European congress on magnetic resonance EUROISMAR, Berlin, Germania, 25-30.08.2019
37. Six years NMR monitoring of a galactosemia case; A. Nicolescu, N. Usurelu, D. Blanita, C. Boiciuc, V. Hlistun, C. Deleanu; European congress on magnetic resonance EUROISMAR, Berlin, Germania, 25-30.08.2019
38. On the thermal behavior of an epoxidized castor oil coating; L. Rosu, F. Mustata, D. Rosu, T. Rusu, C.-D. Varganici, E. Marlica; 5th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC5), 14th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta2019), Roma, Italy, 27 – 30.08. 2019
39. Electrochemical Study of Piperine and Comparison to Reference Antioxidants; O.E. Rachita, A. Moraru, M. Pinteala, A. Arvinte; Euroanalysis XX Conference, Istanbul, Turkey, 1-5.09.2019
40. Alginate - poly(vinyl sulfonic acid) membranes for fuel-cell potential applications; I. Grecu, P. Samoila, C. Cojocaru, M. Ignat, V. Harabagiu; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
41. Attempts to Recover the Platinum Group Metals from Spent Automotive Catalytic Converters by Physical Methods; M. Damoc, A. Stoica, M. Cazacu; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
42. Chitosan/Poly(vinyl alcohol) cryogels as scaffolds for tissue engineering; M. Constantin, G. Fundueanu; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
43. Chitosan-based ionic conductive hybrid membranes with improved mechanical and thermal properties; A.-C. Humelnicu, P. Samoila, C. Cojocaru, V. Harabagiu; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
44. Comparative study of Congo Red dye and 2,4-diclorophenoxyacetic acid herbicide photodegradation over mesoporous titania; E. Mahu, M. Ignat , C. Cojocaru, C. Coromelci, P. Samoila, I. Asaftei, V. Harabagiu; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
45. Effect of the Titanium source used during synthesis on the properties of mesoporous titania; C. Coromelci, P. Samoila, C. Cojocaru, M. Ignat; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
46. Evaluating the water and oil holding capacity of solid residues in the food industry; V. Bejenari, A.M. Ipate, D. Rusu, C.A. Peptu, G. Lisa; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
47. One-pot synthesis of porous carbon using surfactant micelles as carbon source in the softtemplated silica synthesis procedure; M. Ignat, C. Coromelci, E. Mahu, P. Samoila, C. Cojocaru, L. Sacarescu; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019

48. Phosphorylated curdlan based hydrogels for medical applications; I.M. Pelin, I. Popescu, D.M. Suflet; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
49. Preparation and photocatalytic properties of polymer hybrid composites containing ZnO doped Ag particles; VE. Podasca, MD. Damaceanu, T. Buruiana; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
50. Sulfonated poly(ether ether ketone)-based hybrid membranes with potential applications in fuel cells; L. Baltag, P. Samoila, C. Cojocar, M. Ignat, V. Harabagiu; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
51. Synthesis, characterization and self-association of random copolymers bearing D/L Phenylglycine pendant groups M. Murariu, L. Stroea; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
52. Synthesis, morphology and properties of novel aliphatic biodegradable polyurethanes; L. Stroea, V. Melinte, T. Buruiana; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
53. UV-Cured polymeric hybrid coatings containing ZnO nanoparticles with photocatalytic properties; V. Melinte, A. L. Chibac, V. Podasca, T. Buruiana, E. C. Buruiana; 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE2019), Mamaia, Romania, 4 - 7.09.2019
54. Antioxidant activity and biosynthetic process of spirulina platensis of a new ferrocenyl Schiff Base; A. Stoica, M.-F. Zaltariov, 9th International EuroAliment Symposium, Galati, Romania 5-6.09.2019
55. Toxic metals in aquatic ecosystems: sensor to detect Fe from water; I. R. Tigoianu, M. Damoc, G.O. Moraleda, M. Avadanei, M. F. Zaltariov, 9th International EuroAliment Symposium, Galati, Romania 5 - 6.09.2019
56. Cotton fabrics treated with TiO<sub>2</sub>/SiO<sub>2</sub> and TiO<sub>2</sub>/SiO<sub>2</sub>/reduced graphene oxide nanocomposites; D. Cosma, A. Urda, C. Socaci, M. Coros, S. Pruneanu, F. Pogacean, V. Almasan, A. Turza, M.C. Rosu, L. Chirila, D. Timpu; 12<sup>th</sup> International Conference "Processes in Isotopes and Molecules", Cluj-Napoca, Romania, 25-27.09.2019
57. Photocatalytic self-cleaning ability of Ag/TiO<sub>2</sub>-coated flax fabrics; A. Urda, D. Cosma, R.C. Suci, C. Socaci, M. Coros, S. Pruneanu, F. Pogacean, A. Turza, M.C. Rosu, L. Chirila, D. Timpu; 12<sup>th</sup> International Conference "Processes in Isotopes and Molecules", Cluj-Napoca, Romania, 25-27.09.2019
58. Effect of intermolecular interactions on phase compatibility and material properties in organic-inorganic composite blends; A.M. Dobos, A. Filimon, A. Popa; 25th International Symposium on Analytical and Environmental Problems, Szeged, Ungaria, 7-8.10.2019
59. Hemp-extracted cannabidiol: Activation and in vitro anticancer effect; A. R. Petrovici, N. Simionescu, V. Paraschiv, M. Pinteala, M. Silion; The 2nd Food Chemistry Conference: Shaping the Future of Food Quality, Safety, Nutrition and Health, Seville, Spain, 17-19.10.2019
60. 1,3,5-Tris(4-carboxyphenyl)mesitylene - cobalt 2D networks: optimizing reaction conditions; L. G. Bahrin, S. Shova, D. Bejan, M. Sardaru, A. Rotaru, N. Marangoci, V. Lozan; International Conference "Achievements and perspectives of modern chemistry" dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
61. Attempted synthesis of 2,6,10-tribromo and 2,6,10-trimethyltribenzotriquinacene; L. G. Bahrin; International Conference "Achievements and perspectives of modern chemistry" dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
62. Lanthanide-based Metal Organic Framework. Synthesis, structure and properties; D. Bejan, L. G. Bahrin, S. Shova, N. Marangoci, Ü.Kökçam-Demir, C. Janiak; International Conference "Achievements and perspectives of modern chemistry" dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
63. Multicomponent synthesis and NMR characterization of benzo[f]pyrrolo[1,2-a]quinoline derivatives; A.-M. Macsim, E. Georgescu, F. Georgescu, F. Dumitrascu, C. Draghici, A. Nicolescu,

- C. Deleanu; International Conference “Achievements and perspectives of modern chemistry” dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
64. New synthesized mesoporous silica materials for water vapor uptake from the air saturated with moisture, M. Ignat, P. Samoila, C. Cojocaru, A. Bele, G. Soreanu, I. Cretescu, V. Harabagiu; International Conference “Achievements and perspectives of modern chemistry” dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
  65. Photodegradation of Congo red dye and 2,4-dichlorophenoxyacetic acid herbicide using mesoporous titania photocatalyst; E. Mahu, M. Ignat, C. Cojocaru, P. Samoila, C. Coromelci, V. Harabagiu; International Conference “Achievements and perspectives of modern chemistry” dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
  66. Porous composites made of polymer/ inorganic frameworks applied as desiccants for air dehumidification, P. Samoila, M. Ignat, C. Cojocaru, G. Soreanu, I. Cretescu, V. Harabagiu; International Conference “Achievements and perspectives of modern chemistry” dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
  67. Recyclable catalysts based on n-hydroxyphthalimide for selective oxidation of polysaccharides; M.E. Culica, R.I. Baron, G. Biliuta, S. Coseri; International Conference “Achievements and perspectives of modern chemistry” dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
  68. Reproducibility assesement for NMR metabolomics; G.L. Ailiesei, A.M. Macsim, C. Dorneanu, C. Stavarache, L. Tirnacop, A. Nicolescu, C. Deleanu; International Conference “Achievements and perspectives of modern chemistry” dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
  69. Selective oxidized polysaccharides for hydrogels preparation with wound dressing properties; R.I. Baron, M.E. Culica, G. Biliuta, M. Bercea, S. Coseri; International Conference “Achievements and perspectives of modern chemistry” dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
  70. Squalene based polymeric nanocarriers for genes delivery: in vitro studies; B.F. Craciun, L. Clima, G. Gavril, D. Peptanariu, M. Pinteala; International Conference “Achievements and perspectives of modern chemistry” dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
  71. Synthesis and Characterization of Pyrazole-Containing Carboxylic Acids as Novel Ditopic Organic Ligands for Porous Coordination Polymers; B.I. Bratanovici, A. Nicolescu, S. Shova, I.A. Dascalu, R. Ardeleanu, V. Lozan, G. Roman; International Conference “Achievements and perspectives of modern chemistry” dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
  72. Synthesis and self-assembly behavior of amino acid-based random copolymers; M. Murariu, V. Podasca, L. Stroea, E. C. Buruiana; International Conference “Achievements and perspectives of modern chemistry” dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
  73. Synthesis of polymer composites containing ZnO doped Ag particles for photocatalytic degradation of organic dyes; VE. Podasca, MD. Damaceanu, T. Buruiana; International Conference “Achievements and perspectives of modern chemistry” dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019
  74. Synthesis, Crystal Structure and Luminescent Properties of Isoreticular Lanthanide Metal-Organic Frameworks Based on a Tetramethyl-Substituted Terphenyldicarboxylic Acid; I.A. Dascalu, S. Shova, G. Roman, B.I. Bratanovici, R. Ardeleanu, N. Marangoci, V. Lozan; International Conference “Achievements and perspectives of modern chemistry” dedicated to the 60<sup>th</sup> anniversary from the foundation of the Institute of Chemistry, Chisinau, Republic of Moldova, 9-11.10.2019

75. SnO<sub>2</sub> and Ni doped SnO<sub>2</sub>/polythiophene nanocomposites for gas sensing applications; P. Pascariu, I. V. Tudose, D. Vernardou, E. Koudoumas, O. N. Ionescu, M. Sucheai; 42th Edition of the International Semiconductor Conference – CAS, Sinaia, Romania, 9-11.10.2019
76. Photostability evaluation of softwood modified with epoxidized oils; L. Rosu, F. Mustata, D. Rosu, T. Rusu, C.-A. Teaca, C.-D. Varganici, E. Marlica; The 12<sup>th</sup> edition of the International Conference “Wood Science and Engineering in the Third Millennium” ICWSE 2019, Brasov, Romania, 7-9.11.2019
77. Structural changes in chemically modified wood evidenced by FTIR spectroscopy and X-ray diffraction analysis; C.-A. Teaca, L. Rosu, T. Rusu, D. Rosu, C.-D. Varganici, E. Marlica; The 12<sup>th</sup> edition of the International Conference “Wood Science and Engineering in the Third Millennium” ICWSE 2019, Brasov, Romania, 7-9.11.2019
78. Design and characterization of new nanogels based on maleoyl-chitosan and poly(aspartic acid) sodium salt by self-assembly for drug delivery applications; A.G. Rusu, A. P. Chiriac, L. E. Nita, I. Neamtu, A. Ghilan, M. Pinteala; 31st International Conference and Expo on Nanosciences and Nanotechnology, Paris, France, 18-19.11.2019.
79. Structural and cytotoxic evaluation of platinum(IV) complexes with biological active ligands; M.-F. Zaltariu, M. Avadanei, D. Peptanariu; The 7th IEEE International Conference on E-Health and Bioengineering - EHB 2019 Grigore T. Popa University of Medicine and Pharmacy, Iasi, Romania, 21-23.11.2019

#### **4.27a. Comunicari orale prezentate la manifestari stiintifice nationale: 40**

1. Anizotropia indusa foliilor polimere etirate; R. Albu, A.I. Barzic, D.O. Dorohoi; Concursul National de Referate si Comunicari Stiintifice - cu participare internationala - Stefan Procopiu Editia nr. XXVIII, Piatra Neamt, Romania, 11-12.05.2019
2. Dicroismul foliilor polimere colorate; I. Stoica, D.O. Dorohoi; Concursul National de Referate si Comunicari Stiintifice - cu participare internationala - Stefan Procopiu Editia nr. XXVIII, Piatra Neamt, Romania, 11-12.05.2019
3. Analiza volatologica aplicata animalelor de ferma. I. Compusi volatili in respiratia vacilor; M. Brebu, K. Beleno, R. Ionescu, D. Turcu, M. Dane, I. Bogolin; A 20- a Sesiune Stiintifica “Medicina veterinara pentru sanatatea animalelor si consumatorilor”, Facultatea de Medicina Veterinara, Universitatea Spiru Haret, Bucuresti, 16.05.2019
4. Analiza volatologica aplicata animalelor de ferma. II. Compusi volatili din fecalele vacilor; M. Brebu, K. Beleno, R. Ionescu, D. Turcu, H. Dinu, H. Caciandone; A 20- a Sesiune Stiintifica “Medicina veterinara pentru sanatatea animalelor si consumatorilor”, Facultatea de Medicina Veterinara, Universitatea Spiru Haret, Bucuresti, 16.05.2019
5. Analiza volatologica aplicata animalelor de ferma. III. Compusi eliminati prin pielea vacilor; M. Brebu, L. Mogollon, R. Ionescu, D. Turcu, P. Grigorescu, A. Iordache; A 20- a Sesiune Stiintifica “Medicina veterinara pentru sanatatea animalelor si consumatorilor”, Facultatea de Medicina Veterinara, Universitatea Spiru Haret, Bucuresti, 16.05.2019
6. Preliminary studies about metallic ions retentions from aqueous solutions onto pva hybrid hydrogels; I. Nebunu, R.E. Farmus, R.I. Baron, S. Coseri, D. Suteu; Universitatea Tehnica “Gheorghe Asachi” din Iasi – Conferinta scolii doctorale, Iasi, Romania, 22 – 23.05.2019
7. Nanoparticule de oxid de fier acoperite cu dextran biosintetizat ca platforma pentru transportul polifenolilor; A.R. Petrovici; Scoala de Vara „ Nanoparticule inteligente pentru livrarea directionata de compusi bioactivi: preparare, caracterizare si aplicatii; A.R. Petrovici; ”Nanobioparticule inteligente concepute pentru vectorizarea compusilor bioactivi in terapia inflamatiei vasculare”, Bucuresti, Romania, 23-24.05.2019
8. Analiza prin difractometrie WAXD a unor nanocompozite cu TiO<sub>2</sub>, SiO<sub>2</sub>, GO, GR, Ag, pentru aplicatii in industria materialelor textile; I.D. Timpu, M.-C. Rosu, C. Socaci; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara “Petru Poni” Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
9. Analize electrochimice aplicate in evaluarea proprietatilor antioxidante; O.E. Carp, M. Pinteala, A. Arvinte; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara “Petru Poni” Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019



10. Assessment of polymers as conservation treatments for ceramic fragments exposed to the action of UV radiations; A.-V. Oancea, G. Bodi, B.C. Simionescu, C. Cotofana, M. Olaru; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
11. Autoasamblarea supramoleculara a derivatilor de piren prin variatia mediului si a geometriei moleculare; R. Zonda, S. Ibanescu, A. Coroaba; T. Vasiliu, C. Al Matarneh, M. Sillion, A. Neamtu, M. Pinteala; Zilele Academice Iesene, A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
12. Baze Schiff de tip salen ale 1,3-bis(3-aminopropil)- tetrametildisiloxanului si complecsi metalici ai acestora , M. Damoc, A. Stoica, M. Dascalu, A. M. Iurascu, M. Cazacu; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
13. Cercetari de obtinere si caracterizare a nanocompozitelor titaniu-carbon; I.D. Timpu, A. Sarbu, A.-L. Radu; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
14. Chitosan-based cryo-composites for selective metal ion sorption from multi-component aqueous solutions; M.M. Lazar, A. Tapalaga, M.V. Dinu, I.A. Dinu; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
15. Composite silica microparticles with fast and high loading/release properties for heavy metal ions; F. Bucatariu, C.-A. Ghiorghita, D. Schwarz, M. Mihai, A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
16. Efectele substituentilor si ale expunerii la plasma asupra proprietatilor filmelor metal/polisilan; M. Soroceanu, R. Rotaru, V. Harabagiu; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
17. Evaluarea comportarii vascoelastice a poliuretanilor utilizand echivalenta timp-temperatura; D. Ionita, M. Cristea, C. Gaina; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
18. Hidrogeluri pe baza de chitosan si salicilaldehida – sisteme de eliberare controlata a ureei; M.M. Iftime, L. Marin, G.L. Ailiesei; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
19. Hidrogeluri pe baza de poliuretan/poli(alcool vinilic) pentru eliberare de medicamente; M. Mandru, M. Bercea, LM. Gradinaru, S. Vlad, M. Aflori, R. Albulescu; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
20. Investigarea complecsilor de incluziune ai ciclodextrinelor prin spectrometrie de masa; M. Sillion, N. Marangoci, M. Pinteala; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
21. Liganzi si complecsi metalici pe baza de 1,3-bis(2- amino-etil-amino-metil)-tetrametildisiloxan; A.-C. Stoica, M. Damoc, M. Dascalu, M. Cazacu; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
22. Materiale adaptive pe baza de siliconi si complecsi metalici cu tranzitie de spin; C. Tugui, G.T. Stiubianu, S. Shova, M. Cazacu; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
23. Modificarea suprafetei de poli(acid lactic) prin imobilizarea unei proteine cu proprietati antimicrobiene si antioxidante; E. Stoleru, C. Vasile; A XXVII-a Sesiune de comunicari stiintifice

- a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
24. Multilayer architectures containing sodium carboxymethyl cellulose as green catalysts for silver nanoparticles synthesis; C.-A. Ghiorghita, E.S. Dragan, D. Schwarz, F. Bucatariu, A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
  25. Nanocompozite hibride fotopolimerizate utilizate ca fotocatalizatori pentru degradarea poluantilor organici; A. L. Chibac, T. Buruiana, V. Melinte; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
  26. Nanofibre electrospinate PCL/Chitosan; A. Irimia, R.P. Dumitriu, E. Stoleru, G.E. Hitruc, A. Baklavariadis, C. Vasile; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
  27. Noi esteri amfifili bazati pe dextran; M. C. Stanciu, D. Belei, M. Nichifor; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
  28. Polyimides containing thioether bridges as shielding layers with low optical losses for photovoltaic devices; A.I. Barzic, C. Hulubei, R.M. Albu, I. Stoica, G. Lisa, E. Hamciuc, C. Hamciuc; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
  29. Preparation of biomimetic composites based on star-shaped poly(2,2-dimethyl trimethylene carbonate)s fitted with carboxylate end-groups and hydroxyapatite; M. Basko, M. Socka, A. Michalski, I.M. Pelin, A. Pawlak, F. Tanasa, T. Biela; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
  30. Proprietati dielectrice ale membranelor compozite chitosan-dioxid de titan sulfonat, M. Asandulesa, A.-C. Humelnicu, P. Samoila, C. Cojocar, V. Harabagiu A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
  31. Sinteza si caracterizarea unui nou derivat amfifilic al curdlanului ca precursor pentru biomateriale antimicrobiene; G.-L. Ailiesei, D.M. Suflet; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
  32. The simplest is the most sophisticated: A Janus type polythiophene copolymer at work for a biointegrable device; A. D. Bendrea, L.Cianga, I. Cianga; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
  33. Viscozitatea solutiilor de polimeri in prezenta proteinelor; I.-A. Plugariu, M. Bercea, S. Morariu; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
  34. Functionalized mesoporous silica as carrier for controlled delivery of doxorubicin; B.-I. Ciubotaru, M.-F. Zaltariov, C. Racles, M. Cazacu, „Zilele Spitalului Clinic C.F. Iasi” 2019 - Performanta Stiintei – Stiinta Performantei, Iasi, Romania, 22-27.10.2019
  35. Selective cytotoxic activity of some metal complexes; M.F. Zaltariov, V. Arion, „Zilele Spitalului Clinic C.F. Iasi” 2019 -Performanta Stiintei – Stiinta Performantei, Iasi, Romania, 22-27.10.2019
  36. Multifunctional hybrid thin films, from transparent and flexible electronics to medical applications; V. Musat, E.E. Herbei, V. Ghisman, M.P.M. Jank, S. Oertel, D. Timpu, A. Pimentel, R. Martins, E. Fortunato; 18<sup>th</sup> National Seminar on Nanoscience and Nanotechnology (SNN 2019), Iasi, Romania, 24-25.10.2019
  37. Polymeric materials with fibrous morphology as sorbents for oil spill cleanup; C. Cojocar, P. Pascariu, P. Samoila; 18<sup>th</sup> National Seminar on Nanoscience and Nanotechnology (SNN 2019), Iasi, Romania, 24-25.10.2019

38. Efficient heavy metal removal from industrial photo-etching wastewaters by ion-imprinted cryogels, M.M. Lazar, D. Humelnicu, I.A. Dinu, M.V. Dinu; Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019
39. Influence of dextran hydrogel characteristics on adsorption capacity for anionic dyes; M. C. Stanciu, M. Nichifor; Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019
40. Morphology and antimicrobial properties of xanthan/polyvinyl alcohol cryogels containing red grape pomace; D. Pamfil, N. Fifere, I. E. Raschip, M. V. Dinu; Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019

**4.27b. Postere prezentate la manifestari stiintifice nationale: 34**

1. Effect of microwave calcination of mesoporous titania; E. Mahu, M. Ignat, C. Corneliu, P. Samoila, C. Coromelci, V. Harabagiu; Sesiunea de comunicari stiintifice a studentilor, masteranzilor si doctoranzilor „Chimia - frontiera deschisa spre cunoastere”, ed. a X-a, Iasi, Romania, 20-21.06.2019
2. Iminoboronate-chitosan nanofibers for wound healing application; A. Anisie, M. Mares, A.-C. Bostanaru, L. Marin; Sesiunea de comunicari stiintifice a studentilor, masteranzilor si doctoranzilor „Chimia - frontiera deschisa spre cunoastere”, ed. a X-a, Iasi, Romania, 20-21.06.2019
3. Novel tetrazol derivative for development of biologically active compounds; B.I. Bratanovici, G. Roman, I. Mangalagiu; Sesiunea de comunicari stiintifice a studentilor, masteranzilor si doctoranzilor „Chimia - frontiera deschisa spre cunoastere”, ed. a X-a, Iasi, Romania, 20-21.06.2019
4. Novel chitosan derivatives with improved solubility properties; B. I. Andreica, D. Ailincai, L. Marin; Sesiunea de comunicari stiintifice a studentilor, masteranzilor si doctoranzilor „Chimia - frontiera deschisa spre cunoastere”, ed. a X-a, Iasi, Romania, 20-21.06.2019
5. Water soluble phenothiazine derivatives; S. Cibotaru, D. Belei, E. Bicu, L. Marin; Sesiunea de comunicari stiintifice a studentilor, masteranzilor si doctoranzilor „Chimia - frontiera deschisa spre cunoastere”, ed. a X-a, Iasi, Romania, 20-21.06.2019
6. Fullerene-based nanoparticles conjugated with apolipoprotein e encoding dna for gene therapy purposes; V. G. Trusca, I. M. Fenyo, M. Dumitrescu, M. Pinteala, A.V. Gafencu; The 11th national congress with international participation and The 37th annual scientific session of the Romanian society of cell biology, 20-23.06.2019.
7. Instalatie de electrofilare in camp electrostatic pentru solutii de polimeri; S. Vlad, EG. Ioanid, I. Istrate; Salon Inventica Iasi, Romania, 26-28.06. 2019
8. Complex de Pt(IV) cu actiune catalitica multipla; C. Racles, M.-F. Zaltariov, M. Damoc, A.-M. Măsim; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
9. Constructii tri-dimensionale cu aplicatii in ingineria tisulara a valvelor aortice; R. Nicu, A. R. Petrovici, A. C. Mihaila, E. Dragomir, D. Ciolacu; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
10. DART-MS: spectrometria de masa cu analiza directa in timp real. Cazul poli(acidului lactic); D. Ionita, M. Silion, D. Dimonie, M. Cristea; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
11. Evaluarea proprietatilor fizico-chimice si biologice ale unor suporturi polimerice pe baza de BSA preparate prin reticulare fotochimica; A. G. Rusu, L. E. Nita, L. Mititelu-Tartau, N. Tudorachi, A. Ghilan, D. Rusu, A. P. Chiriac; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
12. Hidrogeluri injectabile pe baza de acid hialuronic pentru aplicatii biomedicale; A. Ghilan, L.E. Nita, M. Bercea, A.G. Rusu, D. Rusu, A.P. Chiriac, A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019

13. Hidrogeluri superabsorbante ranforsate cu nanocristale de celuloza; D. Rusu, F. Ciolacu, D. Ciolacu; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
14. Modificarea suprafetelor pentru metalizarea unor filme de poliimida cu potentiale aplicatii in biomedicina; S.L. Nica, C. Hulubei, G. Ioanid, D. Popovici, M. Dobromir; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
15. Noi biomateriale pe baza de celuloza; S. Lazar, N. Anghel, A. G. Grigoras, I. Spiridon; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
16. Polimer de coordinare 2d al Mn(II) capabil sa se autoasambleze si sa raspunda la un stimul magnetic; A.-C. Stoica, A. Vlad, M. Dascalu, M. Damoc, V. Tiron, M. Cazacu; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
17. Prepararea de compozite hibride fotoreticulate ce contin nanoparticule metalice fotogenerate in situ; V. Melinte, A. L. Chibac, T. Buruiana; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
18. Sinteza si activitatea fotocatalitica a unor compozite hibride continand ZnO dopat; VE. Podasca, MD. Damaceanu, T. Buruiana; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
19. Sinteza, caracterizarea structurala si proprietatile de interes pentru noi Baze Schiff continand silatrani; A. Bargan, A. Vlad, A.M.C. Dumitriu, M. Cazacu, S. Shova, A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
20. Sorbenti pe baza de lana pentru indepartarea uleiurilor din apele reziduale; B.C. Condurache, R. Rotaru, C. Cojocar, V. Harabagiu; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
21. Studii de adsorbție a unor coloranti anionici pe un hidrogel bazat pe dextran; M. C. Stanciu, M. Nichifor; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
22. Studiul proprietatilor de rezistenta termica si degradare microbiologica al unor compozite pe baza de lemn si rasini epoxidice sintetice si naturale; L. Rosu, F. Mustata, T. Rusu, D. Rosu, C.D. Varganici, I. Rosca, E. Marlica; A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019), Iasi, Romania, 2-4.10.2019
23. Antioxidant and antimicrobial properties of chitosan-based cryogel films embedding Thymus Vulgaris essential oil; M.M. Lazar, A.C. Aprotosoia, M.V. Dinu, I.E. Raschip; Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019
24. C,N-Doping effect on photocatalytic response of mesoporous titania; C. Coromelci, E. Mahu, M. Palamaru, M. Ignat; Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019
25. Equilibrium, kinetic and thermodynamic studies for adsorption of anionic dyes on a cationic amphiphilic dextran hydrogel; M. C. Stanciu, M. Nichifor; Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019
26. Influence of titania source on physical properties of mesoporous titania: type of titanium alkoxide; E. Mahu, M. Ignat, C. Cojocar, P. Samoila, C. Coromelci, I. Asaftei, V. Harabagiu; Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019
27. Metal complexes with antitumor activity; M.F. Zaltariov, V. Arion; Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019

28. Novel eco-friendly packaging based on cryogels owing antioxidant properties; A. Popirda, A. Ghilan, D. Pamfil; Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019
29. Novel hyaluronic acid based gels as potential drug delivery networks; A. Ghilan, A. P. Chiriac, L. E. Nita, A. G. Rusu, I. Raschip, A. Popirda; Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019
30. Preparation and application of mesoporous silica for pH-controlled delivery of doxorubicin; B.-I. Ciubotaru, M.-F. Zaltariov, C. Racles, M. Cazacu, Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019
31. Removal of heavy metal ions by aminopolycarboxylic acid functionalized chitosan-based composite sorbents; D. Humelnicu, I.A. Dinu, M.M. Lazar, M.V. Dinu; Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019
32. Synthesis and characterization of new Lanthanide Coordinated Polymers; M. C. Sardaru, L. G. Bahrin, A. Rotaru, S. Shova, V. Lozan, N. Marangoci, D. Bejan; Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019
33. Synthesis, structure and properties of new bisindolizine derivatives; M.C. Sardaru, R. Danac, C. Ciobanu, I. I. Mangalagiu; Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019
34. The cytotoxic properties of a halogenated 1,3-dithiolium flavonoid; L. G. Bahrin, D. Peptanariu, S. Shova, L. G. Sarbu, L. M. Birsa; Zilele Universitatii "Al. I. Cuza", Conferinta Facultatii de Chimie, IasiChem 2019, Iasi, Romania, 31.10 – 1.11.2019

## 5. CAPACITATEA DE A ATRAGE FONDURI DE CERCETARE

### 5.1. Proiecte de cercetare internationale finantate din fonduri publice: 18

Titlul proiect	Numar/responsabil contract	Durata	Total val. (EUR)	Valoare 2019
Pol interdisciplinar de specializare inteligenta prin cercetare-inovare si transfer tehnologic in (bio/nano)materiale polimere si (eco)tehnologii, InoMatPol	142/10.10.2016 / Dr. N. Marangoci	2016-2020	15.660.437	13.465.908
Polimeri coordinativi porosi noi cu liganzi organici de dimensiuni variabile pentru stocarea gazelor, POCPOLIG	P-37-707/2016 / Dr. N. Marangoci	2016-2020	1.989.418	1.805.473
Parteneriate pentru transfer de cunostinte in domeniul materialelor polimere folosite in ingineria biomedicala, POINGBIO	P-40-443/2015 / Dr. M. Aflori	2016-2021	2.870.000	357.446
Volatolomics test for the diagnosis of bovine tuberculosis, bTB-Test	H2020-MSCA-RISE-2017 /Dr. M. Brebu	2016-2019	1.404.000	313.500
Development of a non-invasive breath test for early diagnosis of tropical diseases, Tropsense	H2020-MSCA-RISE-2014 Tropsense / Dr. M. Brebu	2016-2019	1.386.000	292.500
Pi-conjugated polymer rotaxanes: Supramolecular encapsulation as a promising approach to organic electronic materials, Pi-ROT	proiect#73, Excellence Initiative Paris/Seine / Dr. A. Farcas	2019	150.000	150.000
Wood and derivatives protection by novel bio-coating solutions	ERA-IB-15-095/ Dr. T. Rusu	2017-2019	250.000	88.420
Compozite pe baza de nano-argila, nanoceluloza si MIP pentru formulari microbiene prietenoase mediului	73 / 01.07.2017 COFUND-M-ERA.NET II-COMPIO / Dr. M.-C. Popescu	2017-2020	180.000	51.450

Un biostimulant de noua generatie pe baza de strigolactone incluse intr-o formulare cu raspuns specific la factorii de mediu, BENDIS	ERANET-INCOMERA-2017-BENDIS, Contract Nr. 7 / 2018 Dr. C. Deleanu	2018-2020	35.368	25.293
Multifunctional Spin Crossover Materials, SPINSWITCH	H2020-MSCA-RISE-2016 No 734322/ Dr. S. Shova	2017-2021	90.000	25.000
Chitosan based hydrogels as luminescent chemosensors for detection and removal of heavy metals”, Romanian-Chinese Joint Project	PN-III-P3-3.1-PM-RO-CN-2018-0098 ctr 12-2018/ Dr. L. Marin	2018-2019	11.300	9.500
Materials suitable for CO <sub>2</sub> capture and sequestration, through chemical reaction, based on azomethine derivatives	Romanian Academy-Joint Research Projects with the National Research Council of Italy, Dr. L. Marin	2017-2019	11.400	3.800
Intelligent Sorption Materials for Water Treatment, ISOMAT	Contract: IB-RA-172, Responsabil partener ICMPP: Dr. M. Mihai	2018-2020	79.590	7.900
Lego-style approach for problematic water streams treatment, WATERLEGO	Project consortium 224, ERA.Net RUS Plus Call 2017, Dr. M. Mihai	2018-2021	80.000	
Collaboration project EU, North and South America: Suitable and effective Sorbents for Water Treatment and Medical Applications, ENSA-Sorb	Contract: 01DN19028 Dr. M. Mihai	2019-2020		
European Topology Interdisciplinary Action	COST Action CA17139 - Dr. A. P. Chiriac	2018-2022		
Prospective european drug-induced liver injury network	COST Action CA17112 - Dr. L.E. Nita	2018-2022		
Advanced Engineering and Research of aeroGels for Environment and Life Sciences	COST Action CA18125 - Dr. L.E. Nita	2019		

## 5.2. Proiecte de cercetare nationale finantate din fonduri publice: 23

Denumire proiect	Numar/responsabil contract	Durata	Total val. (EUR)	Valoare 2019
Mimicking living matter mechanisms by five-dimensional chemistry (5D-nanoP)	PN-III-P4-ID-PCCF-2016-0050/ Prof. Aatto LAAKSONEN	2018-2022	1.836.957	420.260
Premiere proiect Orizont 2020 SupraChem Lab - Laboratory of Supramolecular Chemistry for Adaptive Delivery Systems ERA Chair initiative	PN-III-P3-3.6-H2020-2016-0011/ Ctr. 5 / 2016 Dr. T. Rusu	2016-2020	337.000	73.900

Materiale inteligente dezvoltate prin inginerie macromoleculara cu raspuns cromatic variat la stimuli externi	PN-III-P4-ID-PCE-2016-0708, ctr. 66/2017 Dr. M.D. Damaceanu	2017 - 2019	179.000	76.500
Noi oligomeri cationici amfilili ca alternative sintetice pentru peptide antimicrobiene si/sau ca biocizi de uz extern	PN-III-P4-ID-PCE-2016-0519, Ctr. 110/2017/ Dr. M. Nichifor	2017-2019	179.000	55.500
Ingineria materiilor prime naturale: biointerfete pe baza de celuloza pentru detectia de proteine	PN-III-P4-ID-PCE-2016-0349 Dr. S. Coseri	2017-2019	173.700	50.300
Rețele metal-organice cu hidrofobicitate fin controlata utilizand chimia siliconilor, SiMOFs	PN-III-P4-ID-PCE-2016-0642, Ctr. 114/2017/ Dr. M. Cazacu	2017-2019	179.000	57.000
Dynamic Constitutional Platforms for Targeted Drug Delivery, DynaCoPlat	PN-III-P1-1.1-TE-2016-1180 /L. Clima	2018-2020	95.744	47.872
Proiectarea si prepararea in conditii prietenoase mediului de acoperiri hibride polimer-metal/oxid metalic avand caracteristici antimicrobiene sau de sigilare previzibile POLYMETCOAT	PN-III-P1-1.1-TE-2016-1390, ctr. 34/02.05.2018 Dr. V. Melinte	2018-2020	95.744	55.659
Proiectarea de biocompozite nepoluante cu proprietati chelatizante selective pentru indepartarea si recuperarea ionilor metalelor grele din apele contaminate	PN-III-P1-1.1-TE-2016-1697; Dr. M.V. Dinu	2018-2020	94.600	47.300
Ambalaje inovative active, prietenoase mediului, pe baza de criogeluri cu xantan, avand proprietati antioxidante si antibacteriene"/"Innovative active packaging, environmentally friendly, based on xanthan cryogels, having antioxidant and antibacterial properties, XANCRYOPACK	PN-III-P1-1.1-TE-2016-2038 / Dr. I. E. Raschip	2018-2020	95.744	57.242
The synthesis and evaluation of some tribenzotriquinacene-flavonoids tripod al antibacterial agents	PN-III-P1-1.1-PD-2016-1117 / Dr. B. Lucian	2018-2020	55.500	29.700
Compozite hibride pe baza de micro-/nanoparticule de ZnO dopat pentru imbunatatirea fotocatalizei prin iradiere cu lumina UV si vizibila	PN-III-P1-1.1-PD-2016-171836/2018 Dr. V. Podasca	2018-2020	56.818	28.591
New scaffolds for extension of structure-activity relationship studies of metal-based anticancer drugs	PN-III-P1-1.1-PD-2016-1027, Ctr: 5/02.05.2018/ Dr. M. Zaltariov	2018-2020	56.818	29.713
Biodegradable nanostructured hydrogels as therapeutic delivery systems for skin tissue remodeling	PN-III-P1-1.1-PD-2016-0685/ Ctr. 163 /2018 Dr. A. Rusu	2018-2020	56.818	24.473
Sustainable biochemical method for air revitalisation in spacecrafts, BIO-MARS	STAR-157/2017 / Dr. M. Ignat	2017-2019	52.631	22.311

Proiect de mobilitate pentru cercetatori	PN-III-P1-1.1-MC-2019-1059/ Dr. I. Rosca	2019	4.681	4.681
Proiect de mobilitate, participare la 5th CEEC – TAC, Roma, Italia, 27-30 august 2019	PN-III-P1-1.1-MC-2019-0219/ Dr. L. Rosu	2019	1.880	1.880
Elucidarea mecanismelor de reactie ce au loc in prezenta fotocatalizatorilor inglobati in suporturi polimere si imbunatatirea eficientei fotocatalizatorilor	PN-III-P1-1.1-MC-2019-0378, Ctr. 52/08/2019 // Dr. A. Chibac	2019	4.680	4.680
Chitosan-based composite cryogels: preparation, characterization and potential applications	PN-III-P1-1.1-MC-2019-1725; Dr. M.V. Dinu	2019	2.200	2.200
Masuratori de spectroscopie dielectrica a polimerilor conjugati obtinuti sub forma de filme subtiri	PN-III-P1-1.1-MC-2019-0861 // Dr. M. Asandulesa	2019	4.400	4.400
Proprietati fotofizice si aplicatii folosind fluorescenta in timp real si spectroscopia de absorbtie tranzitorie, Universitatea din Coimbra, Portugalia	PN-III-P1-1.1-MC-2019-0285. Ctr. 29/7.08.2019 Dr. R. I. Tigoianu	2019	4.558	4.558
Proiecte de mobilitate pentru cercetatori cu experienta din diaspora	PN-III-P1-1.1-MCD-2019-0117/ Dr. A. Coroaba	2019	1.340	1.340
Proiect de mobilitati pentru tineri cercetatori din diaspora (C. Miron-Japonia)	PN-III-P1-1.1-MCT-2019-0066; Ctr. 7/2019/Dr. I. Sava	2019	3.056	3.056

### 5.3. Proiecte de cercetare internationale finantate din fonduri private: 2

Denumire proiect	Numar/responsabil contract	Durata	Total val. (EUR)	Valoare 2019
Formulation of bio-absorbable class III medical device for local drug delivery (Colaborare dintre CORTHOTEC LIMITED, London, UK si ICMPP)	Research agreement nr. 5289/09.08.2019/ Dr. M. Pinteala	2019-2020	96.203	44.729
Structural modification by plasma in liquids of different polyimide films (Colaborare dintre Shibaura Institute of Technology, Tokyo si ICMPP)	Nr. 525/21.01.2019 / I. Sava	2018-2020	500 (60000 yen)	500 (60000 yen)

### 5.5. Manifestari stiintifice sau scoli de vara internationale organizate: 2

Denumirea manifestarii	Loc/data	Descriere
Zilele Academice Iesene, A XXVII-a Sesiune de comunicari stiintifice a Institutului de Chimie Macromoleculara "Petru Poni" Iasi, Progrese in stiinta compusilor organici si macromoleculari (MACRO Iasi 2019)	Iasi 2 - 4.10.2019	<a href="https://www.icmpp.ro/zai/">https://www.icmpp.ro/zai/</a> ; 17 conferinte, 32 comunicari, 22 postere, peste 100 participanti
Seminarul National de Nanostiinta si Nanotehnologie (SNN) Editia a 18-a	Iasi 24 - 25.10.2019	<a href="http://www.link2nano.ro/acad/SNN/2019/">http://www.link2nano.ro/acad/SNN/2019/</a> 27 comunicari, peste 50 participanti



## 6. CAPACITATEA DE A DEZVOLTA SERVICII, TEHNOLOGII, PRODUSE

### 6.1. Brevete acordate: 8

Titlu brevet	Brevet (nr./data acordarii)	Autori
Compozit bioactiv stratificat, antibacterian, antifungic, antioxidant si procedeu de obtinere a acestuia	131883/25.04.2019	S. B. Munteanu, G. E. Ioanid, G. M. Pricope, A. C. Mitelut, E. E. Tanase, C. Vasile
Material polimeric biocompatibil cu proprietati antimicrobiene si antioxidante si procedeu de obtinere a acestuia	131873/25.04.2019	E. Butnaru, E. Stoleru, M. A. Brebu, M. Rapa, C. Vasile
Metoda pentru reglarea unghiului dintre directia de polarizare a unui fascicol laser si directia vectorului mintensitatii unui camp magnetic generat de un electromagnet	129796/30.07.2019	V. M. Socoliuc
Procedeu pentru controlul caracteristicilor particulelor de hidroxiapatita sintetizata in prezenta biomacromoleculilor	130170/30.08.2019	S. S. Maier, M. Pinteala, V. Maier, A. B. Simionescu
Compozitie si procedeu pentru obtinerea de noi comprimate matriceale cu eliberare modificata si actiune prelungita cu clorhidrat de amiodarona	131194/30.08.2019	A. Creteanu, L. Ochiuz, C. M. Ghiciuc, G. Tantar, C. Vasile, M. C. Popescu
Compozitie si procedeu pentru obtinerea de noi comprimate matriceale cu eliberare modificata si actiune prelungita cu hidroxipropil- $\beta$ -ciclodextrina	131195/30.08.2019	A. Creteanu, L. Ochiuz, C. M. Ghiciuc, G. Tantar, C. Vasile, O. M. Mocanu
Instalatie pentru controlul sintezei particulelor de hidroxiapatita prin intermediul campului electric aplicat in regim capacitiv	131774/30.09.2019	S. S. Maier, M. Pinteala, V. Maier, A. B. Simionescu
Compozitie de giomer fotopolimerizabil	132534/30.09.2019	C. Prejmorean, M. Moldovan, D. Prodan, T. Buruiana, L. Silaghi-Dumitrescu, C. L. Sarosi, M. Vlassa, L. Colceriu Burtea, I. Hodisan, S. Boboia, D. N. Dardalat, M. Streza, C. Agapescu

### 6.2. Cereri de brevete: 6

Titlu brevet	Nr/data inregistrarii	Autori
Instalatie de filare in camp electrostatic pentru solutii de polimeri	a00115/22.02.2019	S. Vlad, E. G. Ioanid, I. Istrate
Compozitie si procedeu de obtinere a unor materiale superabsorbante pe baza de pullulan	a00160/12.03.2019	D. E. Ciolacu, D. Rusu
Procedeu de obtinere a unui film poliimidic pentru aplicatii biomedicale	a00221/5.04.2019	M. Aflori, D. Serbezeanu, E. G. Ioanid, M. Butnaru, M. Angheloiu

Procedeu de obtinere a unui film de polietilentereftalat pentru aplicatii biomedicale	a00456/26.07.2019	M. Drobotă, M. Aflori, E. G. Ioanid, F. A. Trandabat, M. Paslariu
Procedeu de obtinere a unor microgeluri superabsorbante biocompatibile	a00595/25.09.2019	M. D. Suflet, M. Fundueanu Constantin, E. G. Ioanid, O. M. Daraba, M. Aflori
Instalatie pentru tratamente in plasma rece de inalta frecventa	a00249/22.04.2019	E. G. Ioanid, L. Stratulat, D. E. Rusu

### 6.3. Brevet citat in Web of Science

Brevet citat in Web of Science: 2

### 6.4. Produse si tehnologii rezultate din activitati de cercetare (produse vandute)

Beneficiar	Produs	Valoare- lei
SINDAN Pharma Bucuresti	Analize RMN	78878,92
UCM SA Resita	Intaritor RE84	73713,22
S.C. "OMV Petrom" SA Ploiesti	DISC; MATERIAL POLIURETAN:	34437,26
Self Trust SRL	Bucsa din poliuretan	17651,75
Shara Pharm Solutions SRL Ilfov	Analize RMN	17559,13
General Analysis	Debitare bare inox	3189,80
Tera Crystal Cluj Napoca	Analize RMN	3193,75
Brikston Construction Solutions SA Iasi	Role stantare	2371,19
TREMAG SA Tulcea	Bucsa din poliuretan	1583,87
SC Chemical Company SA	Analiza si sinteza multi-arm PEG derivative	1150,00
Compania de Transport Public Iasi	Bucsa din poliuretan	790,40
Cometal Import-Export SRL	Bara poliuretan	790,40
Brikston Construction Solutions SA Iasi	Placare cu poliuretan	671,84
Depozitul nr 2 SRL	Bara poliuretan	106,71
<b>TOTAL</b>		<b>238088,20</b>

### 6.5. Laboratoare de cercetare acreditate: 2

1. LABORATOR DE CERTIFICARE A MATERIALELOR PLASTICE  
Certificat de acreditare LI 725/2008  
Responsabil laborator Dr. Iuliana SPIRIDON
2. LABORATOR DE CERTIFICARE A MATERIALELOR NANO-DIMENSIONATE  
Certificat de acreditare LI 708/2008  
Responsabil laborator Dr. Aurica CHIRIAC

## 7. CAPACITATEA DE A PREGATI TINERI CERCETATORI (doctorat, postdoctorat)

### 7.2. Conducatori de doctorat care activeaza in institut: 22

Nume si prenume	Domeniul	Anul atestarii
Acad. Bogdan C. SIMIONESCU	Chimie	1993
Dr. Virgil BARBOIU	Chimie	1994
Dr. Cornelia VASILE	Chimie	1999
Dr. Maria BRUMA	Chimie	2000
Dr. Ecaterina Stela DRAGAN	Chimie	2002
Dr. Mircea GRIGORAS	Chimie	2002
Dr. Emil BURUIANA	Chimie	2004

Dr. Valeria HARABAGIU	Chimie	2009
Dr. Maria CAZACU	Chimie	2010
Dr. Mariana PINTEALA	Chimie	2010
Dr. Mihail-Dumitru BARBOIU	Chimie	2016
Dr. Habil. Sergiu COSERI	Chimie	2016
Dr. Habil. Mariana-Dana DAMACEANU	Chimie	2016
Dr. Habil. Luminita MARIN	Chimie	2016
Dr. Habil. Corneliu HAMCIUC	Chimie	2016
Dr. Habil. Marcela MIHAI	Chimie	2016
Dr. Habil. Maria BERCEA	Chimie	2017
Dr. Habil. Iuliana SPIRIDON	Chimie	2017
Dr. Habil. Gheorghe FUNDUEANU-CONSTANTIN	Chimie	2019
Dr. Habil. Luminita GHIMICI	Chimie	2019
Dr. Habil. Loredana E. NITA	Chimie	2019
Dr. Aatto LASKONEN	Chimie	2019

### 7.2a. Teze de abilitare: 3

Nume si prenume	Data sustinere	Titlul tezei
Dr. Gheorghe FUNDUEANU-CONSTANTIN	11.02.2019	<i>Aplicatii biomedicale ale polimerilor, polimeri inteligenti utilizati pentru eliberare controlata a medicamentelor</i>
Dr. Luminita GHIMICI	11.02.2019	<i>Poliectroliti in solutii si dispersii apoase</i>
Dr. Loredana NITA	5.07.2019	<i>Sisteme polimerice pentru bio-aplicatii: compusi functionali si retele interpenetrante(nano) structurate</i>

### 7.3. Doctoranzi in stagiu: 28

Conducatorul stiintific	Anul admiterii	Doctorand in stagiu	Titlul tezei Termen sustinere teza
Dr. Maria CAZACU	2010	Ana-Maria-Corina DUMITRIU	<i>Structuri heterociclice metalo-siloxanice</i> Data limita sustinere teza: 31.10.2020
Dr. Valeria HARABAGIU	2012	Marcela SAVIN	<i>Hidrogeluri cu aplicatii biomedicale</i> Data limita sustinere teza: 30.06.2020
Dr. Valeria HARABAGIU	2014	Andra Cristina HUMELNICU	<i>Studii privind utilizarea chitosanului in domeniul medical, in sisteme energetice si de protectie a mediului</i> Data limita sustinere teza: 30.04.2020
Acad. Bogdan C. SIMIONESCU	2014	Andrei Victor OANCEA	<i>Materiale pentru conservarea obiectelor de patrimoniu din ceramica si os</i> Data limita sustinere teza: 31.10.2020
Dr. Mariana PINTEALA	2015	Gabriela GAVRIL	<i>Sisteme complexe supramoleculare pentru aplicatii biomedicale</i> Data limita sustinere teza: 30.04.2020
Dr. Mariana PINTEALA	2015	Ana-Lacramioara LUNGOCI	<i>Sisteme nanostructurate cu aplicatii biomedicale</i> Data limita sustinere teza:31.10.2020

Dr. Valeria HARABAGIU	2015	Bogdan Constantin CONDURACHE	<i>Materiale sorbtive polimere pentru eliminarea poluantilor din apele contaminate</i> Data limita sustinere teza: 31.10.2020
Dr. Mariana PINTEALA	2016	Bogdan Florin CRACIUN	<i>Conjugate pentru transport si eliberare de gene si medicamente</i> Data limita sustinere teza: 31.10.2020
Acad. Bogdan C SIMIONESCU	2016	Bianca Ioana DOGARU	<i>Bionanocompozite polimere continand nanocristale de celuloza cu aplicatii in industria alimentara si/sau agricultura</i> Data limita sustinere teza: 31.10.2020
Dr. Habil. Marcela MIHAI	2016	Ana-Lavinia MATRICALA (cas. VASILIU)	<i>Materiale compozite bio-inspirate cu aplicatii biomedicale</i> Data limita sustinere teza: 31.10.2021
Acad. Bogdan C. SIMIONESCU	2016	Daniela RUSU	<i>Obtinerea si caracterizarea morfologica a unor geluri polimere complexe pentru aplicatii biomedicale</i> Data limita sustinere teza: 31.10.2020
Dr. Maria CAZACU	2016	Georgiana-Oana TURCAN-TROFIN	<i>Noi compusi si materiale siliconice functionale</i> Data limita sustinere teza: 31.10.2021
Dr. Mariana PINTEALA	2016	Tudor VASILIU	<i>Sisteme macromoleculare dinamice autoasamblate: Studii de modelare moleculara si validare experimentală</i> Data limita sustinere teza: 31.10.2020
Dr. Mariana PINTEALA	2016	Radu COSEREANU (cas. ZONDA)	<i>Sisteme inteligente pentru transportul de specii chimice active. Obtinere. Caracterizare</i> Data limita sustinere teza: 31.10.2020
Dr. Mihail-Dumitru BARBOIU	2016	Andrei DIACONU	<i>Noi particule multivalente pentru transportul medicamentelor si pentru aplicatii antibacteriene</i> Cotutela dr. S. Vincent (Univ. Namur, Belgia) Data limita sustinere teza: 31.10.2021
Dr. Habil. Sergiu COSERI	2017	Raluca-Ioana BARON	<i>Studiul interactiunilor din sistemele polimerice pe baza de compusi naturali si aplicatiile acestora</i> Data limita sustinere teza: 31.10.2020
Dr. Habil. Mariana-Dana DAMACEANU	2017	Adriana-Petronela CHIRIAC	<i>Polimeri aromatici functionali cu cicluri imidice pentru tehnologii avansate</i> Data limita sustinere teza: 31.10.2020

Dr. Valeria HARABAGIU	2017	Elvira MAHU	<i>Nanocompozite poroase. Preparare, proprietati, aplicatii</i> Data limita sustinere teza: 31.10.2020
Dr. Habil. Sergiu COSERI	2018	Madalina Elena CULICA	<i>Biopolimeri nativi si derivati ai acestora, cu aplicatii in tehnologii avansate neconventionale</i> Data limita sustinere teza: 31.10.2021
Dr. Habil. Sergiu COSERI	2018	Ioana Alexandra DUCEAC	<i>Noi retele polimerice pe baza de polizaharide modificate cu potentiale aplicatii medicale</i> Data limita sustinere teza: 31.10.2021
Dr. Habil. Iuliana SPIRIDON	2018	Sorin LAZAR	<i>Noi sisteme polimere pe baza de compusi naturali modificati chimic si enzimatic</i> 31.10.2021
Dr. Habil. Maria BERCEA	2018	Ioana-Alexandra MUNTENASU (cas. PLUGARIU)	<i>Elaborarea si caracterizarea unor materiale polimere cu aplicatii biomedicale</i> Data limita sustinere teza: 31.10.2021
Dr. Mariana PINTEALA	2018	Oana-Elena RACHITA (cas. CARP)	<i>Senzori electrochimici cu aplicatii biomedicale</i> Data limita sustinere teza: 31.10.2021
Dr. Habil. Luminita MARIN	2019	Sandu CIBOTARU	<i>Derivati de fenotiazina solubili in apa. Sinteza, caracterizare, proprietati</i> Data limita sustinere teza: 31.10.2022
Dr. Maria CAZACU	2019	Bianca-Iulia CIUBOTARU	<i>Noi compusi si materiale continand siliciu pentru aplicatii biomedicale</i> Data limita sustinere teza: 31.10.2022
Dr. Habil. Mariana-Dana DAMACEANU	2019	Andra-Ionela GAVRIL	<i>Compusi heterociclici macromoleculari hiperramificati</i> Data limita sustinere teza: 31.10.2022
Dr. Atto LAAKSONEN	2019	Petru TIRNOVAN	<i>Studii in silico a sistemelor dinamice autoasablante in transportul si eliberarea principiilor active din medicamente</i> Data limita sustinere teza: 31.10.2022
Dr. Iuliana SPIRIDON	2019	Iuliana-Marilena ANDREI	<i>Compozite pe baza de polimeri naturali separati din biomasa vegetala</i> Data limita sustinere teza: 31.10.2022

**7.4. Post-doctoranzi sustinuti din alte surse de finantare: 3**

Nume si prenume	Sursa de finantare
Dr. Lilia CLIMA	H2020-WIDESPREAD-2014-2015, contract 667387/ Coordonator Dr. Mariana Pinteala, Manager Dr. Teodora Rusu
Dr. Sorin IBANESCU	H2020-WIDESPREAD-2014-2015, contract 667387/ Coordonator Dr. Mariana Pinteala, Manager Dr. Teodora Rusu
Dr. Mihail LUPEI	PN-III-P1-1.2-PCCDI-2017-0697/Resp ICMPP Dr. G. Fundueanu

**7.5. Teze de doctorat sustinute: 2**

Conducatorul stiintific	Anul admiterii	Doctorand	Titlul tezei Data sustinere teza
Dr. Habil. Mariana-Dana DAMACEANU	2016	Andra Elena BEJAN	<i>Polimeri pe baza de triarilamina pentru materiale avansate</i> <b>30.10.2019</b>
Dr. Mariana PINTEALA	2014	Dragos-Lucian ISAC	<i>Studii teoretice si experimentale ale unor sisteme moleculare dinamice pe baza de compusi hetero-organici cu cont. de azot</i> <b>16.12. 2019</b>

**8. PRESTIGIUL STIINTIFIC****8.1. Membri in colective de redactie ale revistelor nationale/internationale: 42**

(cotate in *Web of Science*, Thomson Reuters sau indexate in BDI) sau in colective editoriale ale unor edituri internationale consacrate

Nume si prenume	Revista
Acad. Bogdan C. SIMIONESCU	Environmental Engineering and Management Journal- membru al comitetului editorial
	Materiale Plastice – membru al comitetului editorial
	Memoriile Sectiilor Stiintifice ale Academiei Romane – Editor sef
	Revue Roumaine de Chimie: Assistant Editor-in-Chief
	Proceedings of the Romanian Academy, Series B: Chemistry, Life Science and Geoscience – Editorial Board
Dr. Virgil BARBOIU	Revista Academica – membru al consiliul editorial
Dr. Mihai BREBU	Scientific Committee of POLYCHAR International Conferences
Dr. Maria BRUMA	Molecules
Dr. Aurica P. CHIRIAC	High Performance Polymers
	Recent Patents on Materials Science
	The Open Macromolecules Journal
	The Open Polymer Science Journal
	Journal of Research Updates in Polymer Science
Dr. Sergiu COSERI	Current Applied Polymer Science
	Chemical Engineering and Science
	American Journal of Physical Chemistry
	ISRN Textiles
	Journal of Materials Science and Engineering with Advanced Technology
Dr. Sergiu COSERI	Journal of Composites and Biodegradable Polymers
	Advances in Chemical Engineering and Process Technology (ACEPT)
	JSM Spectroscopy and Chromatography
	The Open Access Journal of Science and Technology

	MAYFEB Journal of Chemistry
	Modern Chemistry
	SCIOL Biotechnology
	Archives of Industrial Biotechnology
	The Scientific Journal of Agricultural Technologies
Dr. Maria Valentina DINU	Reactive and Functional Polymers, Editor Gels, membru in consiliul editorial
Dr. Ecaterina Stela DRAGAN	Current Smart Materials, Editor Asociat Molecules, membru in Consiliul Editorial la Sectiunea "Green Chemistry"
Dr. Gheorghe FUNDUEANU-CONSTANTIN	Journal of Hydrogels Journal of Clinical Rehabilitative Tissue Engineering Research, Chinese Rehabilitation Medical Association
Dr. Luminita MARIN	Jacobs Journal of Nanomedicine and Nanotechnology Polymers
Dr. Loredana E. NITA	Journal of Biomaterials and Nanobiotechnology Recent Patents on Materials Science
Dr. Carmen-Mihaela POPESCU	Wood Material Science and Engineering
Dr. Iuliana SPIRIDON	Cellulose Chemistry and Technology
Dr. Carmen-Alice TEACA	Editorial Board Member - <i>BioResources</i>
Dr. Daniel TIMPU	Editorial Board Member of European Chemical Bulletin
Dr. Stelian VLAD	Journal of Composites and Biodegradable Polymers

## 8.2. Membri in conducerea unei organizatii internationale de specialitate: 7

Nume si prenume	Organizatia
Acad. Bogdan C. SIMIONESCU	Vicepresedinte al Academiei Romane Presedintele Consiliului National al Cercetarii Stiintifice (CNCS) Presedinte al Comitetului Roman pentru Istoria si Filosofia Stiintei si Tehnicii (CRIFST)
Dr. Maria BRUMA	Institute of Physics, London, UK
Dr. Valeria HARABAGIU	Asociatia EPNOE
Dr. Cornelia Vasile	"United Arab Emirates University" - consiliul stiintific National Institute of Wood - Riga - consiliul stiintific

## 8.3. Membri ai Academiei Romane: 1

1. Acad. Bogdan C. Simionescu

## 8.4. Cercetatori cu indice Hirsch peste 8: 118

Nume si prenume, grad profesional	Indice Hirsch
Dr. Cornelia VASILE, CSI	32
Dr. Ecaterina Stela DRAGAN, CSI	31
Dr. Sergiu SHOVA, CS II	28
Acad. Bogdan C. SIMIONESCU, CSI	27
Dr. Maria BRUMA, CS I	26
Dr. Maria CAZACU, CS I	25
Dr. Ioan CIANGA, CS I	25
Dr. Mihai BREBU, CSII	24
Dr. Valeria HARABAGIU, CSII	23
Dr. Anton AIRINEI, CSI	21
Dr. Maria BERCEA, CS I	21
Dr. Mariana CRISTEA, CSII	21

Dr. DAMACEANU Mariana Dana, CS II	21
Dr. Corneliu HAMCIUC, CSI	21
Dr. Luminita MARIN, CSII	21
Dr. Fanica MUSTATA, CSI	21
Dr. Elena HAMCIUC, CSII	20
Dr. Maria Valentina DINU, CSII	20
Dr. Gheorghe FUNDUEANU-CONSTANTIN, CSI	20
Dr. Marieta FUNDUEANU-CONSTANTIN, CSII	20
Dr. Mariana PINTEALA, CSI	20
Dr. Dan ROSU, CSI	20
Dr. Iuliana SPIRIDON, CSI	20
Dr. Mircea GRIGORAS, CS I	19
Dr. Maria-Cristina POPESCU, CSII	19
Dr. Emil BURUIANA,CSI	18
Dr. Tinca BURUIANA, CSI	18
Dr. Aurica P. CHIRIAC, CSI	18
Dr. Corneliu COJOCARU, CSII	18
Dr. Sergiu COSERI, CSI	18
Dr. Calin DELEANU, CS I	18
Dr. Alina NICOLESCU, CS III	18
Dr. Stefan OPREA, CSI	18
Dr. Ion SAVA, CS I	18
Dr. Carmen-Mihaela POPESCU, CSII	17
Dr. Carmen RACLES, CS I	17
Dr. Carmen-Alice TEACA, CSIII	17
Dr. Magdalena AFLORI, CSII	16
Dr. Raluca Nicoleta DARIE-NITA, CSIII	16
Dr. Aurica FARCAS, CSII	16
Dr. Simona MORARIU, CS II	16
Dr. Tudorachi NITA, CSII	16
Dr. Liliana ROSU, CSIII	16
Dr. Liviu SACARESCU, CSII	16
Dr. Cristian-Dragos VARGANICI, CS	16
Dr. Stelian VLAD, CSII	16
Dr. Constantin GAINA, CSII	15
Dr. Viorica GAINA, CSII	15
Dr. Daniela FILIP, CSII	15
Dr. Gheorghe ROMAN, CSII	15
Dr. Iuliana STOICA, CS	15
Dr. Daniel TIMPU, CSII	15
Dr. Virgil BARBOIU, CSI	14
Dr. Florica DOROFTEI, Inginer Chimist	14
Dr. Loredana E. NITA, CSII	14
Dr. Niculae OLARU, CSI	14
Dr. Alexandru ROTARU, CSII	14
Dr. Tachita VLAD-BUBULAC, CSIII	14
Dr. Adina ARVINTE, CSIII	13
Dr. Diana Elena CIOLACU, CSII	13
Dr. Doina MACOCINSCHI, CSII	13
Dr. Marcela MIHAI, CS II	13
Dr. Iordana NEAMTU, CSIII	13
Dr. Petrisor SAMOILA, CSII	13
Dr. Lucian BAHRIN, AC	12



Dr. Maria IGNAT, CSIII	12
Dr. Violeta MELINTE, CSIII	12
Dr. George STIUBIANU, AC	12
Dr. Adrian BELE, AC	11
Alexandra BARGAN, AC	11
Dr. Andreea Irina BARZIC (COSUTCHI), CSIII	11
Dr. Gabriela BILIUTA, CS	11
Dr. Cristina-Eliza BRUNCHI, CS	11
Dr. Ion BUNIA	11
Dr. Luminita CIANGA, CS III	11
Dr. Mihaela DASCALU, CS III	11
Dr. Diana SERBEZEANU, AC	11
Dr. Mihaela SILION, CSIII	11
Dr. Ana-Maria RESMERITA, CS	11
Dr. Elena-Laura URSU,CS	11
Dr. Ionel Adrian DINU, CS	10
Dr. Adina Maria DOBOS, CS	10
Dr. Mioara DROBOTA, CS	10
Dr. Raluca Petronela DUMITRIU, AC	10
Dr. Anca FILIMON, CS	10
Dr. Mihaela HOMOCIANU, CSIII	10
Dr. Constanta IBANESCU, CSI	10
Dr. Mihaela OLARU, CS III	10
Dr. Radu Dan RUSU, CSIII	10
Dr. Petronela PASCARIU, CS	10
Dr. Mihaela SIMIONESCU, CSIII	10
Dr. Elena STOLERU, CS	10
Dr. Dana Mihaela SUFLET, CSIII	10
Dr. Rodinel ARDELEANU, CSII	9
Dr. Mihaela BALAN-PORCARASU, AC	9
Dr. Florin BUCATARIU, CSIII	9
Dr. Ionela-Daniela CARJA, CS	9
Dr. Lilia CLIMA, CSIII	9
Dr. Adina COROABA, AC	9
Dr. Nicusor FIFERE, CS	9
Dr. Adrian FIFERE, CS	9
Dr. Irina POPESCU, CSIII	9
Dr. Gabriela SACARESCU, CSIII	9
Dr. Codrin TUGUI, AC	9
Dr. Oana URSACHE, AC	9
Dr. Silvia VASILIU, CS	9
Dr. Mirela-Fernanda ZALTARIOV, CS	9
Dr. Daniela AILINCAI, CS	8
Dr. Mihai ASANDULESA, CS	8
Dr. Mihaela Iuliana AVADANEI, CSIII	8
Dr. Irina BUTNARU, CS	8
Dr. Anamaria IRIMIA, AC	8
Dr. Maria Marinela LAZAR, AC	8
Dr. Narcisa MARANGOCI, AC	8
Dr. Dumitru POPOVICI, AC	8
Dr. Stefania RACOVITA, CS	8
Dr. Mirela TEODORESCU, CS	8
Dr. Cristian URSU, CS	8

**8.6. Premii ale Academiei Romane: 2**


---

 Premiul COSTIN D. NENITESCU

 Grupul de lucrari: *Procese fotofizice in baze Schiff cu proprietati de fotocomutare*
**M. I. Avadanei**


---

Premiul Cristofor I. SIMIONESCU

 Grupul de lucrari: *Materiale avansate pentru eliminarea poluantilor chimici din apele contaminate*
**C. Cojocaru, P. M. Samoila**


---

**8.7. Premii nationale: 4**


---

 PREMIU PENTRU ACTIVITATEA STIINTIFICA

*Societatea de Chimie din Romania*
**C. Vasile**


---

MEDALIA „PETRU PONI” si DIPLOMA de ONOARE

*Societatea de Chimie din Romania*
**M. Cristea**


---

MEDALIA „PETRU PONI” si DIPLOMA de ONOARE

*Societatea de Chimie din Romania*
**E. S. Dragan**


---

DIPLOMA pentru rezultatele deosebite obtinute in implementarea proiectului „Parteneriate pentru transfer de cunostinte in domeniul materialelor polimere utilizate in inginerie biomedicala”

17.10.2019, Ministerul Fondurilor Europene

**Institutul de Chimie Macromoleculara „Petru Poni” Iasi**


---

**8.8. Premii internationale: 15**


---

 VDGOOD INTERNTIONAL SCIENTIST AWARDS - VDISA 2019

*VDGOOD Professional Association*
**C. Vasile**


---

PREMIUL SI MEDALIA „CRISTOFOR SIMIONESCU” PENTRU CHIMIE MACROMOLECULARA

*American Chemical Society*
**L. Marin**


---

ANDRZEJ MALECKI GRANT 2019 pentru cel mai bun tanar cercetator din Europa de Est si Centrala in domeniul Analizei Termice si Calorimetriei (CEEC-TAC 5, 2019, Roma, Italia)

*Comitetul central si est european pentru analize , termice si calorimetrie (CEEC-TAC), Asociatia Italiana pentru Calorimetrie si Analiza Termica (AICAT) si Grupul Interdivizional de Calorimetrie si Analiza Termica a Societatii Italiene de Chimie (GICAT)*
**C. D. Varganici**


---

BEST PRESENTATION AWARD pentru lucrarea Synthesis, characterization and photocatalytic activity of Cu/guanidine/disiloxane complexes, M.E. Fortuna, L. Pricop, M. Ignat, D. Popovici, V. Purcar, V. Harabagiu

*21<sup>th</sup> International Conference on Nanoscience, Nanotechnology and Advanced Materials, Praga, Czech Rep., 09-10.07.2019*
**M. E. Fortuna**


---

DIPLOMA DE EXCELENTA, MEDALIA INVENTICA 2019

 Recunoasterea contributiei stiintifice ridicate si a loialitatii  
*XXIII<sup>th</sup> International Exhibition of Inventics INVENTICA 2019*
**E. G. Ioanid, L. Stratulat, D. E. Rusu, A. M. Vlad**


---

DIPLOMA DE ONOARE, MEDALIA INVENTICA 2019

 Echipamente pentru tratamente cu plasma HF la rece  
 Recunoasterea contributiei stiintifice ridicate si a loialitatii

*XXIII<sup>th</sup> International Exhibition of Inventics INVENTICA 2019, E. G. Ioanid*


---

DIPLOMA DE EXCELENTA, MEDALIE DE AUR

pentru propunerea de brevet „Procedure and compositions for obtaining polymeric materials with antimicrobial and antioxidant properties”

*XXIII<sup>th</sup> International Exhibition of Inventics INVENTICA 2019*
**A. Irimia, G. E. Ioanid, C. Vasile**


---

DIPLOMA DE EXCELENTA

pentru lucrarea „Biocompatible polymeric material with antimicrobial and antioxidant properties and the obtaining process”

*XXIII<sup>th</sup> International Exhibition of Inventics INVENTICA 2019*

**E. Butnaru, E. Stoleru, M. A. Brebu, M. Rapa, C. Vasile**

DIPLOMA DE EXCELENTA si MEDALIE DE AUR

pentru brevetul: „Material polimeric biocompatibil cu proprietati antimicrobiene si antioxidante si procedeu de obtinere a acestuia”

*XXIII<sup>th</sup> International Exhibition of Inventics INVENTICA 2019*

**E. Butnaru, E. Stoleru, M. A. Brebu, M. Rapa, C. Vasile**

DIPLOMA DE EXCELENTA si MEDALIA INVENTICA 2019

Procedure and composition for preparation of superabsorbent materials based on pullulan

*XXIII<sup>th</sup> International Exhibition of Inventics INVENTICA 2019*

**D. Ciolacu, D. Rusu**

DIPLOMA DE ONOARE, MEDALIA INVENTICA 2019

Cellulose-based superabsorbent hydrogels

*XXIII<sup>th</sup> International Exhibition of Inventics INVENTICA 2019*

**D. Ciolacu**

POLITEHNICA INNOVATION AWARD 2019, *Universitatea Politehnica Bucuresti*

Cellulose-based superabsorbent hydrogels

*XXIII<sup>th</sup> International Exhibition of Inventics INVENTICA 2019*

**D. Ciolacu**

PREMIULUI SPECIAL 2019, *Asociatia Romana pentru Tehnologii alternative, A.R.T.A, Sibiu*

Cellulose-based superabsorbent hydrogels

*XXIII<sup>th</sup> International Exhibition of Inventics INVENTICA 2019*

**D. Ciolacu**

DIPLOMA de EXCELENTA si MEDALIA DE AUR 2019, *Institutul National de Cercetare si Dezvoltare in Chimie si Petrochimie, ICECHIM*

*XXIII<sup>th</sup> International Exhibition of Inventics INVENTICA 2019*

**D. Ciolacu, D. Rusu**

PERFORMANCE IN SCIENTIFIC RESEARCH ACTIVITY AWARD in recognition of high scientific contribution and loyalty

*XXIII<sup>th</sup> International Exhibition of Inventics INVENTICA 2019,*

**Institutul de Chimie Macromoleculara „Petru Poni” Iasi**

**8.9. Stagii in strainatate: 7**

Nr. crt.	Nume	Institutie	Perioada
1	George Stiubianu	Postdoctoral Scholar appointment in the Department of Chemical Engineering and Materials Science of the Henry Samueli School of Engineering	25.05.2015-24.05.2019
2	Mihail Iacob	Postdoctoral internship, EMPA, Switzerland, EMPAPOSTDOCS-II programme Marie Skłodowska-Curie grant agreement number 754364 (European Union's Horizon 2020)	1.03.2019-28.02.2021
3	Codrin Tugui	Polymer Institute, Slovak Academy of Science, Bratislava, UEFISCDI mobility project	8.11.2019-7.12.2019
4	Codrin Tugui	Research internship in the framework of project H2020-	10.12.2019-
5	Damoc Madalin	MSCA-RISE-2016, SPINSWITCH No 734322, UKRORGSYNTEZ LLC, KYIV, Ukraine	9.02.2020
6	S. Chisca	Stagiu Post Doctoral, King Abdullah University of Science and Technology - KAUST (Arabia Saudita)	2019
7	D. Carja	Stagiu Post Doctoral, King Abdullah University of Science and Technology - KAUST (Arabia Saudita)	2019