

## Lista lucrari 2016

1. Smart macroporous IPN hydrogels responsive to pH, temperature and ionic strength: Synthesis, characterization and evaluation of controlled release of drugs  
E. S. Dragan, A. I. Cocarta  
ACS Applied Materials and Interfaces, 8, 12018-12030 (2016)
2. Spectroscopic characterization of azo dyes aggregation induced by DABCO-based ionene polymers and dye removal efficiency as a function of ionene structure  
E. S. Dragan, J. Mayr, M. Haring, A. I. Cocarta, D. D. Diaz  
ACS Applied Materials and Interfaces, 8, 30908-30919 (2016)
3. Lactoferrin-immobilized surfaces onto functionalized PLA assisted by the gamma-rays and nitrogen plasma to create materials with multifunctional properties  
A. Stoleru, T. Zaharescu  
E. G. Hitruc, A. Vesel, E. G. Ioanid, A. Coroaba, A. Safrany, G. Pricope, M. Lungu, C. Schick, C. Vasile  
ACS Applied Materials and Interfaces, 8, 31902-31915 (2016)
4. Dynameric frameworks for DNA transfection  
L. Marin, D. Ailincai, M. Calin, D. Stan, C. A. Constantinescu, L. Ursu, F. Doroftei, M. Pinteala, B. C. Simionescu, M. Barboiu  
ACS Biomaterials Science and Engineering, 2, 104-111(2016)
5. Life-time prediction of multicomponent materials  
C. D. Varganici, D. Rosu, L. Rosu  
Advanced Structural Materials, 26(Photochemical Behavior of Multicomponent Polymeric-based Materials), Springer International Publishing, Switzerland, 227-258 (2016)
6. Photochemical behavior of synthetic polymeric multicomponent materials composites and nanocomposites  
M. Zanoaga, F. Tanasa  
Advanced Structured Materials, 26(Photochemical Behavior of Multicomponent Polymeric-based Materials), Springer International Publishing, Switzerland, 109-164 (2016)
7. Theoretical aspects regarding polymer photochemistry  
L. Rosu, C. D. Varganici, D. Rosu  
Advanced Structured Materials, 26(Photochemical Behavior of Multicomponent Polymeric-based Materials), Springer International Publishing, Switzerland, 1-20 (2016)
8. Factors influencing the photochemical behavior of multicomponent polymeric materials  
M. Nechifor  
Advanced Structured Materials, 26(Photochemical Behavior of Multicomponent Polymeric-based Materials), Springer International Publishing, Switzerland, 21-66 (2016)
9. Multicomponent polymer materials: Photodegradation mechanism  
D. Rosu, C. D. Varganici, L. Rosu  
Advanced Structured Materials, 26(Photochemical Behavior of Multicomponent

- Polymeric-based Materials), Springer International Publishing, Switzerland, 67-90 (2016)
10. Photochemical behavior of wood based materials  
C. A. Teaca, R. Bodirlau  
Advanced Structured Materials, 26(Photochemical Behavior of Multicomponent Polymeric-based Materials), Springer International Publishing, Switzerland, 91-108 (2016)
  11. Kinetics of free radical polymerization of N-substituted amides and their structural implications  
A. Aldea, A. M. Albu, A. Nicolescu, V. Tecuceanu  
Advances in Materials Science and Engineering, vol. 2016, Article ID 6430416/1-9 (2016)
  12. Eco-friendly phosphorus flame retardants: From rational design towards applications  
I. D. Carja, D. Serbezeanu, T. Vlad-Bubulac, C. Hamciuc  
Advances in Materials Science Research, M. C. Wythers, Ed., Nova Science Publ., 23, 111-134 (2016)
  13. Synthesis and thermo-mechanical properties of poly(urethaneurea) elastomers based on heterocyclic crosslinkers and purine diamine as a chain extender  
S. Oprea, V. O. Potolinca  
Advances in Polymer Technology, 35, Article 21532/1-6 (2016)
  14. Artificial intelligence methods applied in the controlled synthesis of polydimethylsiloxane-poly(methacrylic acid) copolymer networks with imposed properties  
T. Rusu, O. M. Gogan  
AIP Conference (8th International Conference on Times of Polymers and Composites. From Aerospace to Nanotechnology, 19-23 June, 2016, Ischia, Naples, Italy), 1736, Article number 4949736 (2016)
  15. Friction of the polymers. Experimental results and analytical model  
M. Rusu, D. Ionita, M. Benchea, V. Carlescu, D. Olaru  
Applied Mechanics and Materials, 823(Current Solutions in Mechanical Engineering), 473-478 (2016)
  16. Novel procedure to enhance PLA surface properties by chitosan irreversible immobilization  
E. Stoleru, R. P. Dumitriu, B. S. Munteanu, T. Zaharescu, E. E. Tanase, A. Mitelut, G. L. Ailiesei, C. Vasile  
Applied Surface Science, 367, 407-417 (2016)
  17. MAPLE preparation and characterization of mixed arylenevinylene based oligomers: C60 layers  
A. Stanculescu, G. Socol, L. Vacareanu, M. Socol, O. Rasoga, C. Breazu, M. Girtan, F. Stanculescu  
Applied Surface Science, 374, 278-289 (2016)
  18. UV-cured polymeric films containing ZnO and silver nanoparticles with UV-vis light-assisted photocatalytic activity  
V. E. Podasca, T. Buruiana, E. C. Buruiana  
Applied Surface Science, 377, 262-273 (2016)
  19. Crosslinked multilayer-dye films deposited onto silica surfaces with high affinity for pepsin  
F. Bucatariu, C. A. Ghiorghita, A. I. Cocarta, E. S. Dragan  
Applied Surface Science, 390, 320-327 (2016)
  20. Complex poly(lactic acid)-based biomaterial for urinary catheters. II. Biocompatibility  
E. Stoleru, B. S. Munteanu, R. N. Darie-Nita, G. M. Pricope, M. Lungu, A. Irimia, M.  
Bioinspired, Biomimetic and Nanobiomaterials, 5, 152-166 (2016)

21. Complex poly(lactic acid)-based biomaterial for urinary catheters. I. Influence of AgNP on properties  
Rapa, R. D. Lipsa, C. Vasile  
R. N. Darie-Nita, B. S. Munteanu, N. Tudorachi, R. Lipsa, E. Stoleru, I. Spiridon, C. Vasile  
Bioinspired, Biomimetic and Nanomaterials, 5, 132-151 (2016)
22. Formulation and evaluation of anise-based bioadhesive vaginal gels  
C. A. Gafitanu, D. Filip, C. Cernatescu, C. Ibanescu, M. Danu, E. Paslaru, D. Rusu, C. G. Tuchilus, D. Macocinschi  
Biomedicine and Pharmacotherapy, 83, 485-495 (2016)
23. Antibacterial activity of Mannich bases derived from 2-naphthols, aromatic aldehydes and secondary aliphatic amines  
G. Roman, V. Nastasa, A. C. Bostanaru, M. Mares  
Bioorganic and Medicinal Chemistry Letters, 26, 2498-2502 (2016)
24. Effects of air relative humidity and temperature on photodegradation processes in beech and spruce wood  
L. Tolvay, C. M. Popescu, Z. Molnar, E. Preklet  
BioResources, 11, 296-305 (2016)
25. An original method for producing acetaldehyde and diacetyl by yeast fermentation  
I. Rosca, A. R. Petrovici, M. Brebu, I. Stoica, B. Minea, N. Marangoci  
Brazilian Journal of Microbiology, 47, 949-954 (2016)
26. Ethyl chitosan synthesis and quantification of the effects acquired after grafting it on a cotton fabric, using ANOVA statistical analysis  
V. Popescu, A. Muresan, G. Popescu, M. Balan, M. Dobromir  
Carbohydrate Polymers, 138, 94-105 (2016)
27. New antimicrobial chitosan derivatives for wound dressing applications  
O. M. Dragostin, S. K. Samal, M. Dash, F. Lupascu, A. Panzariu, C. Tuchilus, N. Ghetu, M. Danciu, P. Dubruel, D. Pieptu, C. Vasile, R. Tatia, L. Profire  
Carbohydrate Polymers, 141, 28-40 (2016)
28. Physically and chemically crosslinked cellulose cryogels: Structure, properties and applications for controlled release  
D. Ciolacu, C. Rudaz, M. Vasilescu, T. Budtova  
Carbohydrate Polymers, 151, 392-400 (2016)
29. Dual crosslinked iminocarbonate-chitosan hydrogels with strong antifungal activity against Candida planktonic yeasts and biofilms  
D. Ailincai, L. Marin, S. Morariu, M. Mares, A. C. Bostanaru, M. Pinteala, B. C. Simionescu, M. Barboiu  
Carbohydrate Polymers, 152, 306-316 (2016)
30. Synthesis, characterization and drug release properties of 3D chitosan/clinoptilolite biocomposite cryogels  
M. V. Dinu, A. I. Cocarta, E. S. Dragan  
Carbohydrate Polymers, 153, 203-211 (2016)
31. Synthesis, properties and fungal degradation of castor-oil-based polyurethane composites with different cellulose contents  
S. Oprea, V. O. Potolinca, P. Gradinariu, A. Joga, V. Oprea  
Cellulose, 23, 2515-2526 (2016)
32. Magnetic cellulosic materials based on TEMPO-oxidized viscose fibers  
G. Biliuta, S. Coseri  
Cellulose, 23, 3407-3415 (2016)
33. Removal of some commercial pesticides containing  $\alpha$ -Cypermethrin, Deltamethrin and Mancozeb as active ingredients by chitosan solution  
L. Ghimici, C. E. Brunchi, A. Diaconu  
Cellulose, 23, 3837-3846 (2016)
34. Transparent and fluorescent thin films  
L. Sacarescu, M.  
Cellulose, 23, 3847-3860

- of polysilane-SiQD nanocomposite: cellulose acetate
35. Diffuse phase transition and high electric field properties of BaCe<sub>y</sub>Ti<sub>1-y</sub>O<sub>3</sub> relaxor ferroelectric ceramics  
 Simionescu, G. (2016)  
 Sacarescu, S. Coseri  
 L. P. Curecheriu, C. E. Ciomaga, V. Musteata, G. Canu, V. Buscaglia, L. Mitoseriu  
 Ceramics International, 42, 11085-11092 (2016)
  36. Photocatalytic degradation of Rhodamine B dye using ZnO-SnO<sub>2</sub> electrospun ceramic nanofibers  
 P. Pascariu, A. Airinei, N. Olaru, L. Olaru, V. Nica  
 Ceramics International, 42, 6775-6781 (2016)
  37. Supramolecular rulers enabling selective detection of pure short ssDNA via chiral self-assembly  
 I. Kocsis, A. Rotaru, Y. M. Legrand, I. Grosu, M. Barboiu  
 Chemical Communications, 52, 386-389 (2016)
  38. Artificial water channels - incipient innovative developments  
 M. Barboiu  
 Chemical Communications, 52, 5657-5665 (2016)
  39. Novel synthesis route for chitosan-coated zinc ferrite nanoparticles as potential sorbents for wastewater treatment  
 M. Ignat, P. Samoila, C. Cojocaru, L. Sacarescu, V. Harabagiu  
 Chemical Engineering Communications, 203, 1591-1599 (2016)
  40. Superparamagnetic composites based on ionic resin beads/CaCO<sub>3</sub> magnetite  
 I. Bunia, V. Socoliuc, L. Vekas, F. Doroftei, C. Varganici, A. Coroaba, B. C. Simionescu, M. Mihai  
 Chemistry - A European Journal, 22, 18036-18044 (2016)
  41. Design and characterization of anionic hydrogels confined in Daisogel silica composites microspheres and their applications in sustained release of proteins  
 E. S. Dragan, F. Bucatariu  
 Colloids and Surfaces A: Physicochemical and Engineering Aspects, 489, 46-56 (2016)
  42. Designing novel macroporous composite hydrogels based on methacrylic acid copolymers and chitosan and in vitro assessment of lysozyme controlled delivery  
 E. S. Dragan, A. I. Cocarta, M. Gierszewska  
 Colloids and Surfaces B: Biointerfaces, 139, 33-41 (2016)
  43. Influence of chitosan on mechanical, thermal, barrier and antimicrobial properties of PLA biocomposites for food packaging  
 M. Rapa, A. C. Mitelut, E. E. Tanase, E. Grosu, P. Popescu, M. E. Popa, J. T. Rosnes, M. Sivertsvik, R. N. Darie-Nita, C. Vasile  
 Composites Part B: Engineering, 102, 112-121 (2016)
  44. Influence of fiber modifications on PLA/fiber composites. Behavior to accelerated weathering  
 I. Spiridon, R. N. Darie, H. Kangas  
 Composites Part B: Engineering, 92, 19-27 (2016)
  45. Blends based on ionic polysulfones with improved conformational and microstructural characteristics: Perspectives for biomedical applications  
 A. Filimon, R. M. Albu, I. Stoica, E. Avram  
 Composites Part B: Engineering, 93, 1-11 (2016)
  46. Dielectric elastomers based on silicones filled with transitional metal complexes  
 G. Stiubianu, A. Soroceanu, C. D. Varganici, C. Tugui, M. Cazacu  
 Composites Part B: Engineering, 93, 236-243 (2016)
  47. Thermosets based on castor oil modified with Diels-Alder adduct of levopimaric acid and diglycidyl ether of bisphenol A: The kinetic analysis of the curing reactions and thermal

- behavior of the cured products
48. Benzoate liquid crystals with direct isotropic-smectic transition and antipathogenic activity  
D. Ailincai, L. Marin, S. Shova, C. Tuchilus  
Comptes Rendu Chimie, 19, 556-565 (2016)
  49. Perspectives of conductive polymers toward smart biomaterials for tissue engineering  
A. Filimon  
Conducting Polymers, F. Yilmuz, Ed., Intech, Rijeka, Croatia, 119-143 (2016)
  50. Structure-directed functional properties of phenothiazine brominated dyes: Morphology, photophysical and electrochemical properties  
A. Bejan, S. Shova, M. D. Damaceanu, B. C. Simionescu, L. Marin  
Crystal Growth and Design, 16, 3716-3730 (2016)
  51. New acid bisGMA analogs for dental adhesive applications with antimicrobial activity  
V. Melinte, T. Buruiana, A. Chibac, M. Mares, H. Aldea, E. C. Buruiana  
Dental Materials, 32, e314-e326 (2016)
  52. Kinetics studies on the adsorption behaviour of Basic Blue 9 dye on macroporous ion exchangers resins  
D. Suteu, S. Coseri, L. Rusu  
Desalination and Water Treatment, 57, 14665-14673 (2016)
  53. Batch and fixed bed column studies on removal of Orange G acid dye by a weak base functionalized polymer  
V. Dulman, S. M. Cucu-Man, I. Bunia, M. Dumitras  
Desalination and Water Treatment, 57, 14708-14727 (2016)
  54. Removal of Zn(II) ions from aqueous media on thermal activated sawdust  
G. Nacu, D. Bulgariu, C. M. Popescu, M. Harja, D. T. Juravle, L. Bulgariu  
Desalination and Water Treatment, 57, 21904-21915 (2016)
  55. Synthesis of new photoactive urethane carbohydrates and their behavior in UV or femtosecond laser-induced two-photon polymerization  
A. L. Chibac, T. Buruiana, V. Melinte, I. Mangalagiu, G. Epurescu, E. C. Buruiana  
Designed Monomers and Polymers, 19, 12-23 (2016)
  56. Novel chalcone-based aromatic polyamides: synthesis, characterization, and properties  
M. Nechifor  
Designed Monomers and Polymers, 19, 161-171 (2016)
  57. Polar silicones: structure-dielectric properties relationship  
C. Racles, V. Cozan, A. Bele, M. Dascalu  
Designed Monomers and Polymers, 19, 496-507 (2016)
  58. Synthesis and self-assembly of fluorene-vinylene alternating polymers in "hairy-rod" architecture: side chain-mediated tuning of conformation, microstructure and photophysical properties  
D. G. Colak, I. Cianga, L. Cianga, Y. Yagci  
Designed Monomers and Polymers, 19, 508-534 (2016)
  59. Tailorable polyelectrolyte protein complex based on poly(aspartic acid) and bovine serum albumin  
L. E. Nita, A. P. Chiriac, E. Stoleru, A. Diaconu, N. Tudorachi  
Designed Monomers and Polymers, 19, 596-606 (2016)
  60. Insights into the effect of donor-acceptor strength modulation on physical properties of phenoxazine-based imine dyes  
M. D. Damaceanu, C. P. Constantin, L. Marin  
Dyes and Pigments, 134, 382-396 (2016)
  61. Banned dinitrophenols still trigger both legal and forensic issues  
M. Zaharia, L. Tudorachi, O. Pintilie, C. Drochioi, R. Gradinaru, M. Murariu  
Environmental Forensics, 17, 120-130 (2016)
  62. Biodegradation of crosslinked polyurethane acrylates/guar gum composites under natural soil conditions  
S. Oprea, V. Oprea  
e-Polymers, 16, 277-286 (2016)
  63. Oxidative DNA cleavage promoted by a phenoxy-radical copper(II) complex  
O. Cuzan, A. Kochem, A. J. Simaan, I. Bertaina, B. Faure, V. Robert, S.  
European Journal of Inorganic Chemistry, (36), 5575-5584 (2016)

- Shova, M. Giorgi, M. Maffei, M. Reglier, M. Orio
64. Dielectric spectroscopy investigation on relaxation in polyazomethine/fullerene C60 nanocomposites European Polymer Journal, 78, 213-225 (2016)
65. Biotinylated N-palmitoyl chitosan for design and drug loaded self-assembled nanocarries European Polymer Journal, 81, 284-294 (2016)
66. Adsorption and release studies of new cephalosporin from chitosan-g-poly(glycidyl methacrylate) microparticles European Polymer Journal, 82, 132-152 (2016)
67. Synthesis and properties of new crosslinked polyurethane elastomers based on isosorbide European Polymer Journal, 83, 161-172 (2016)
68. Curcubit[7]uril-based fluorene polyrotaxanes European Polymer Journal, 83, 256-264 (2016)
69. Investigations on the interactions between xanthan gum and poly(vinyl alcohol) in solid state and aqueous solutions European Polymer Journal, 84, 161-172 (2016)
70. Tailoring the properties of poly(vinyl alcohol)/poly(vinyl pyrrolidone) hydrogels for biomedical applications European Polymer Journal, 84, 313-325 (2016)
71. Oxidation vs. degradation in polysaccharides: Pullulan - a case study European Polymer Journal, 85, 82-91 (2016)
72. Fluorescence detection system based on silicon quantum dots-polysilane nanocomposites eXPRESS Polymer Letters, 10, 990-1002 (2016)
73. Mercerization mediated modification of cellulosic fibers with NIPAAm and some compounds with atioxidant activity Fibers and Polymers, 17, 1569-1578 (2016)
74. Natural and synthetic polymers for designing composite materials Handbook of Bioceramics and Biocomposites, I. V. Antoniac, Ed., Springer Intern. Publishing, Switzerland, 233-286 (2016)
75. Collagen-based materials for pharmaceutical applications Handbook of Polymers for Pharmaceutical Technologies, vol.3: Biodegradable Polymers, V. K. Thakur, M. K. Thakur, Eds., Wiley-Scrivener Publishing, 439-482 (2016)
76. Poly(vinyl alcohol)/chitosan/montmorillonite nanocomposites for food packaging applications: Influence of montmorillonite content High Performance Polymers, 28, 1124-1138 (2016)
77. Changes induced in the properties of High Performance Polymers,
- S. Bronnikov, A. Podshivalov, S. Kostromin, M. Asandulesa, V. Cozan V, Balan, V. Redinciuc, N. Tudorachi, L. Verestiuc
- T. A. Cigu, A. Vasiliu, S. Racovita, C. Lionte, V. Sunel, M. Popa, C. Cheptea
- S. Oprea, V. O. Potolinca, V. Oprea
- A. Farcas, K. I. Assaf, A. M. Resmerita, S. Cantin, M. Balan, P. H. Aubert, W. M. Nau
- C. E. Brunchi, M. Bercea, S. Morariu, M. Avadanei
- S. Morariu, M. Bercea, M. Teodorescu, M. Avadanei
- S. Coseri, M. Bercea, V. Harabagiu, T. Budtova
- L. Sacarescu, G. Roman, G. Sacarescu, M. Simionescu
- A. Irimia, E. Csiszar, A. Coroaba, C. D. Varganici, C. Vasile
- B. C. Simionescu, D. Ivanov
- D. Pamfil, M. T. Nistor, C. Vasile
- E. Butnaru, C. N. Cheaburu, O. Yilmaz, G. M. Pricope, C. Vasile
- G. Stiubianu, A. M. C.

- dielectric silicone elastomers by the incorporation of transition metal complexes
78. Cobalt containing polyimide films treated in nanosecond pulsed electrical discharges in water  
Dumitriu, C. D. Varganici, C. Tugui, M. Iacob, A. Bele, M. Cazacu  
C. Miron, J. Zhuang, M. Balcerak, M. Holub, A. Kruth, A. Quade, I. Sava, K. D. Weltmann, J. F. Kolb  
28, 915-926 (2016)  
IEEE Transactions on Plasma Science, 44, 2708-2714 (2016)
79. Antimicrobial reagents as functional finishing for textiles intended for biomedical applications. II. Metals and metallic compounds: Silver  
F. Tanasa, M. Zanoaga  
IFMBE Proceedings, 55(3rd International Conference on Nanotechnologies and Biomedical Engineering, ICNBME-2015, Sept. 23-26, 2015, Chisinau, Republic of Moldova), 305-308 (2016)
80. Antimicrobial reagents as functional finishing for textiles intended for biomedical applications. III. Other metal and metallic compounds  
M. Zanoaga, F. Tanasa  
IFMBE Proceedings, 55(3rd International Conference on Nanotechnologies and Biomedical Engineering, ICNBME-2015, Sept. 23-26, 2015, Chisinau, Republic of Moldova), 309-314 (2016)
81. Biocompatible SPIONs with superoxid dismutase/catalase immobilized for cardiovascular applications  
L. Lacramioara, A. Diaconu, M. Butnaru, L. Verestiuc  
IFMBE Proceedings, 55(3rd International Conference on Nanotechnologies and Biomedical Engineering, ICNBME-2015, Sept. 23-26, 2015, Chisinau, Republic of Moldova), 323-326 (2016)
82. Multifunctional materials for biotechnology: Opportunities and challenges  
L. I. Buruiana  
Industrial Applications for Intelligent Polymers and Coatings, M. Hosseini, A. S. H. Makhoulf, Eds., Springer Int. Publishing, Switzerland, 337-353 (2016)
83. Nanocomposite polymeric-based coatings: From mathematical modeling to experimental insights for adapting microstructure to high-tech requirements  
A. I. Barzic  
Industrial Applications for Intelligent Polymers and Coatings, M. Hosseini, A. S. H. Makhoulf, Eds., Springer Int. Publishing, Switzerland, 355-371 (2016)
84. Verdazyl radical, a building block for a six-spin-center 2p-3d-4f single-molecule magnet  
G. Novitchi, S. Shova, Y. Lan, W. Wernsdorfer, Cyrille Train  
Inorganic Chemistry, 55, 12122-12125 (2016)
85. Vanadium(V) complexes with substituted 1,5-bis(2-hydroxybenzaldehyde)carboxyhydrazones and their use as catalyst precursors in oxidation of cyclohexane  
D. Dragancea, N. Talmaci, S. Shova, G. Novitchi, D. Darvasiova, P. Rapta, M. Breza, M. Galanski, J. Kozisck, N. M. R. Martins, L. M. D. R. S. Martins, A. J. L. Combeiro, V. B. Arion  
Inorganic Chemistry, 55, 9187-9203 (2016)
86. Assessment of some application potentials for copper complexes of the ligands containing siloxane moiety: Antimicrobial, antifungal,  
A. Soroceanu, L. Vacareanu, N. Vornicu, M. Cazacu, V. Rudic, T. Croitori  
Inorganica Chimica Acta, 442, 119-123 (2016)

- antioxidant and redox activity
87. Biodegradation of poly(lactic acid) and some of its based systems with *Trichoderma viride*

R. Lipsa, N. Tudorachi, R. N. Darie-Nita, L. Oprica, C. Vasile, A. Chiriac  
L. Ion, C. I. Ciobanu, M. Murariu, V. R. Gradinaru, G. Drochioiu  
L. E. Nita, A. P. Chiriac, A. Diaconu, N. Tudorachi, L. Mititelu-Tartau  
E. B. Tarabukina, M. A. Simonova, S. Bucatariu, V. Harabagiu, G. Fundueanu, A. P. Filipov  
A. G. Grigoras  
International Journal of Biological Macromolecules, 88, 515-526 (2016)  
International Journal of Peptide Research and Therapeutics, 22, 45-55 (2016)  
International Journal of Pharmaceutics, 515, 165-175 (2016)  
International Journal of Polymer Analysis and Characterization, 21, 11-17 (2016)  
International Journal of Polymeric Materials and Polymeric Biomaterials, 65, 888-900 (2016)
  88. SDS-induced peptide conformational changes: From triglycyl-glycine to amiloid- oligomers associated with Alzheimer's disease
  89. Multifunctional nanogels with dual temperature and pH responsiveness
  90. Behavior of thermo- and pH-responsive copolymer of N-isopropylacrylamide and maleic acid in aqueous solutions
  91. A review on medical applications of poly(N-vinylcarbazole) and its derivatives
  92. Water adsorption in acetylated birch wood evaluated through near infrared spectroscopy

C. M. Popescu, C. A. S. Hill, M. C. Popescu  
International Wood Products Journal, 7, 61-65 (2016)
  93. Polyethylene materials with multifunctional surface properties by electro spraying chitosan/vitamin E formation destined to biomedical and food packaging applications

E. Stoleru, S. B. Munteanu, R. P. Dumitriu, A. Coroaba, M. Drobeta, L. Fras Zemljic, G. M. Pricope, C. Vasile  
Iranian Polymer Journal, 25, 295-307 (2016)
  94. Effect of silver nanoparticles on the dispersion, rheological properties and morphological aspect of solvent cast polyurethane/biopolymers bionanocomposite membranes

R. P. Dumitriu, L. Sacarescu, D. Macocinschi, D. Filip, C. Vasile  
Journal of Adhesion Science and Technology, 30, 1716-1726 (2016)
  95. Structural, optical and magnetic properties of Ni doped SnO<sub>2</sub> nanoparticles

P. Pascariu Dorneanu, A. Airinei, M. Grigoras, N. Fifere, L. Sacarescu, N. Lupu, L. Stoleriu  
Journal of Alloys and Compounds, 668, 65-72 (2016)
  96. Thermal and thermo-oxidative stability and probable degradation mechanism of some polyetherimides

G. Lisa, C. Hamciuc, E. Hamciuc, N. Tudorachi  
Journal of Analytical and Applied Pyrolysis, 118, 144-154 (2016)
  97. Curing kinetics, thermal and morphological characterization of the biobased thermosets from epoxy resin/epoxidized hemp oil

F. Mustata, N. Tudorachi, I. Bicu  
Journal of Analytical and Applied Pyrolysis, 122, 191-201 (2016)
  98. Comparative electrodeposition of Ni-Co nanoparticles in carbon materials and their efficiency in electrochemical oxidation of glucose

A. Arvinte, F. Doroftei, M. Pinteala  
Journal of Applied Electrochemistry, 46, 425-439 (2016)
  99. Structure-property relationship of sodium deoxycholate based poly(ester ether)urethane ionomers for biomedical applications

D. Filip, D. Macocinschi, S. Vlad, G. Lisa, M. Cristea, M. F. Zaltariov  
Journal of Applied Polymer Science, 133, Article 42921 (2016)
  100. Pullulan: A versatile coating agent for superparamagnetic iron oxide nanoparticles

S. Coseri, A. Spatareanu, L. Sacarescu, V. Socoliuc, I. S. Stratulat, V. Harabagiu  
Journal of Applied Polymer Science, 133, Article 42926 (2016)
  101. Evaluation of some eco-friendly

R. N. Darie-Nita, C.  
Journal of Applied Polymer



- plasticizers for PLA films processing
102. Sorption/release of diclofenac sodium in/from free-standing poly(acrylic acid)/poly(ethyleneimine) multilayer films
103. Cationic hybrids from poly(N,N-dimethylaminoethyl methacrylate) covalently crosslinked with chloroalkyl silicone derivatives effective in binding anionic dyes
104. Plasma-activated fibrinogen coatings onto poly(vinylidene fluoride) surface for improving biocompatibility with tissues
105. Epoxy and succinic anhydride functionalized soybean oil for wood protection against UV light action
106. New opportunities to valorize biomass wastes into green materials
107. Variation in the sorption properties of historic parchment evaluated by dynamic water vapour sorption
108. Cationic polyelectrolyte induced separation of some inorganic contaminants and their mixture (zirconium silicate, kaolin, K-feldspar, zinc oxide) as well as of the paraffin oil from water
109. Synthesis, structure, antimicrobial and anticancer evaluation of new pyrrolo-phenantroline derivatives
110. Optical properties of some fluorinated poly(1,3,4-oxadiazole-ether)s in homogeneous and heterogeneous media. Changes induced by SnO<sub>2</sub>, NiO and SnO<sub>2</sub>/NiO mixed-oxide nanoparticles
111. 1,3,4-Oxadiazole derivatives. Optical properties in pure and mixed solvents
112. Degradation mechanism induced by psoriasis in human fingernails: A different approach
113. Impact of medium parameters on the optoelectronic characteristics of a polymer containing bisphenol A and 1,3,4-oxadiazole chromophore group
114. On the effects of UV radiation on the release ability of glucose embedded in hydroxypropyl cellulose films
115. Investigation of interpolymer complexation between poly(vinylcaprolactam) and
- Vasile, A. Irimia, R. Lipsa, M. Rapa  
C. A. Gheorghita, F. Bucatariu, E. S. Dragan
- M. M. Lazar, C. D. Varganici, M. Cazacu, E. S. Dragan
- E. Stoleru, M. C. Baican, A. Coroaba, G. E. Hitruc, M. Lungu, C. Vasile
- D. Rosu, R. Bodirlau, C. A. Teaca, L. Rosu, C. D. Varganici
- I. Spiridon, R. N. Darie-Nita, G. E. Hitruc, J. Ludwiczak, I. A. Cianga Spiridon, M. Niculaua
- C. M. Popescu, C. A. S. Hill, C. Kennedy
- L. Ghimici
- C. M. Al Matarneh, I. I. Mangalagiu, S. Shova, R. Danac
- M. Homocianu, A. Airinei, A. M. Ipate, P. Pascariu Dorneanu, C. Hamciuc
- M. Homocianu, A. Airinei
- A. Coroaba, T. Pinteala, A. Chiriac, A. E. Chiriac, B. C. Simionescu, M. Pinteala
- M. Homocianu, A. Airinei, P. Pascariu Dorneanu, A. M. Ipate, C. Hamciuc
- A. I. Barzic, C. D. Nechifor, I. Stoica, D. O. Dorohoi
- I. Popescu, D. M. Suflet, I. M. Pelin
- Science, 133, Article 43223 (2016)
- Journal of Applied Polymer Science, 133, Article 43752/1-8 (2016)
- Journal of Applied Polymer Science, 133, Article 43942 (2016)
- Journal of Bioactive and Compatible Polymers: Biomedical Applications, 31, 91-108 (2016)
- Journal of Cleaner Production, 112, 1175-1183 (2016)
- Journal of Cleaner Production, 133, 235-242 (2016)
- Journal of Cultural Heritage, 17, 87-94 (2016)
- Journal of Environmental Management, 169, 1-7 (2016)
- Journal of Enzyme Inhibition and Medicinal Chemistry, 31, 470-480 (2016)
- Journal of Fluorescence, 26, 217-224 (2016)
- Journal of Fluorescence. 26, 1617-1635 (2016)
- Journal of Investigative Dermatology, 136, 311-313 (2016)
- Journal of Luminescence, 176, 52-57 (2016)
- Journal of Macromolecular Science, Part B: Physics, 55, 575-590 (2016)
- Journal of Macromolecular Science, Part B: Physics, 55, 708-721 (2016)

- poly(maleic acid-alt-styrene)
116. Antiferromagnetic single-chain magnet slow relaxation in the  $\{Tb(\alpha\text{-fur})_3\}_n$  polymer with non-Kramers ions  
E. Bartolome, J. Bartolome, A. Arauzo, J. Luzon, L. Badia, R. Cases, F. Luis, S. Melnic, D. Prodius, S. Shova, C. Turta  
Journal of Materials Chemistry C, 4, 5038-5050 (2016)
  117. Molecular dynamics, conductivity and morphology of sodium deoxycholate-based poly(ester ether)urethane ionomer biomaterials  
D. Filip, M. Asandulesa, D. Macocinschi, M. Alori, S. Vlad  
Journal of Materials Science, 51, 8516-8528 (2016)
  118. Synthesis of functionalized silica nanostructure: Unexpected conversion of cyanopropyl group in chloropropyl one during HCl-catalysed hydrolysis of the corresponding triethoxysilane  
A. M. C. Dumitriu, M. Balan, A. Bargan, S. Shova, C. D. Varganici, M. Cazacu  
Journal of Molecular Structure, 1110, 150-155 (2016)
  119. Synthesis, structural characterization and quantum chemical studies of silicon-containing benzoic acid derivatives  
M. F. Zaltariov, C. Cojocaru, S. Shova, L. Sacarescu, M. Cazacu  
Journal of Molecular Structure, 1120, 302-316 (2016)
  120. Structural analysis of lime wood biodegraded by white rot fungi through infrared and two dimensional correlation techniques  
C. M. Popescu, P. Gradinariu, M. C. Popescu  
Journal of Molecular Structure, 1124, 78-84 (2016)
  121. Solvatochromic study on chlortetracycline in binary and ternary solutions  
G. Oanca, C. Nadejde, N. Fifere, A. Gritco Todirascu, D. Creanga, D. Dorohoi, J. Stare  
Journal of Molecular Structure, 1126, 177-185 (2016)
  122. Some properties of xanthan group in aqueous solutions: effect of temperature and pH  
C. E. Brunchi, M. Bercea, S. Morariu, M. Dascalu  
Journal of Polymer Research, 23, Article 123/1-8 (2016)
  123. Insights into the physico-chemical behavior of  $CoCl_2$ /polyimide hybrid materials  
I. Sava, M. D. Damaceanu, G. Lisa  
Journal of Polymer Research, 23, Article 130/1-10 (2016)
  124. Rheological investigation of poly(vinyl alcohol)/poly(N-vinyl pyrrolidone) mixtures in aqueous solution and hydrogel state  
M. Bercea, S. Morariu, M. Teodorescu  
Journal of Polymer Research, 23, Article 142/1-9 (2016)
  125. Poly(vinyl alcohol)/chitosan cryogels as pH responsive ciprofloxacin carriers  
D. Pamfil, E. Butnaru, C. Vasile  
Journal of Polymer Research, 23, Article 146/1-14 (2016)
  126. Evaluation of blood cells and proteins spreading on imidic polymers containing alicyclic sequences  
L. I. Buruiana, A. I. Barzic, I. Stoica, C. Hulubei  
Journal of Polymer Research, 23, Article 217 (2016)
  127. Dielectric study of side-chain liquid crystalline polyazomethine/fullerene C60 nanocomposite  
S. Bronnikov, S. Kostromin, V. Musteata, V. Cozan  
Journal of Polymer Research, 23, Article 54/1-8 (2016)
  128. A versatile synthetic path to thiol containing polysiloxanes  
E. Perju, S. J. Dunki, D. M. Opris  
Journal of Polymer Science, Part A: Polymer Chemistry, 54, 2940-2948 (2016)
  129. Iron oxide-silica nanocomposites yielded by chemical route and sol-gel method  
E. Puscasu, L. Sacarescu, N. Lupu, M. Grigoras, G. Oanca, M. BalasoIU, D. Creanga  
Journal of Sol-Gel Science and Technology, 79, 457-465 (2016)
  130. Study of the process of  
N. M. Belomoina, E. G.  
Journal of Supercritical

- poly(phenylquinoxaline)s formation in supercritical carbon dioxide
131. Polymer-graphene composites by the photocuring of a system containing benzophenone macromer
132. Copolymers based on N-acryloyl-L-leucine and urea methacrylate with pyridine moieties
133. Aromatic polyesters with photosensitive side chains: Synthesis, characterization and properties
134. Thermal behavior of epoxy resin cured with aromatic dicarboxylic acids
135. Structural characterization and thermal behaviour of some azomethine compounds derived from pyridoxal and 4-aminoantipyrine
136. PDLC composites based on polyvinyl boric acid matrix - a promising pathway towards biomedical engineering
137. Poly(N-isopropylacrylamide-co-N-isopropylmethacrylamide) thermoresponsive microgels as self-regulated drug delivery system
138. Phenylethynylene-substituted poly(triphenylamine vinylene): Post-modification synthesis and (spectro)electrochemical properties
139. Oxime-bridged Mn6 clusters inserted in one-dimensional coordination polymer
140. Dielectric silicone elastomers filled with in situ generated polar silsesquioxanes: Preparation, characterization and evaluation of electromechanical performance
141. Optical and electronic properties of quaternized polysulfone/polyvinyl alcohol blends in relation to structure of the polymers
142. Investigation of thermal, rheological, dielectric and spectroscopic properties of a polymer containing pendant spiroacetal moieties
143. Tailoring the properties of chitosan poly(acrylic acid) based hydrogels by hydrophobic monomer incorporation
144. Fabrication and characterization of cubic  $\text{Ba}_{0.5}\text{Sr}_{0.8}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$  perovskite for a novel "star-shaped"
- Bulycheva, L. N. Nikitin, V. G. Vasiliev, I. V. Elmanovich, M. Bruma F. Jitaru, A. L. Chibac, G. Epurescu, I. Ion, T. Buruiana E. C. Buruiana, M. Murariu M. Nechifor F. Mustata, N. Tudorachi R. S. Mezey, T. Zaharescu, M. E. Lungulescu, S. Shova, T. Rosu D. Ailincai, C. Farcau, E. Paslaru, L. Marin G. Fundueanu, M. Constantin, S. Bucatariu, P. Ascenzi L. Vacareanu, T. Virag (Ivan), M. Grigoras M. F. Zaltariov, M. Cazacu, L. Sacarescu, A. Vlad, G. Novitchi, C. Train, S. Shova, V. B. Arion A. Bele, M. Dascalu, C. Tugui, M. Iacob, C. Racles, L. Sacarescu, M. Cazacu L. I. Buruiana, E. Avram, V. E. Musteata, A. Filimon A. P. Chiriac, V. Balan, M. Asandulesa, E. Butnaru, N. Tudorachi, E. Stoleru, L. E. Nita, I. Neamtu, A. Diaconu A. G. Rusu, M. I. Popa, C. Ibanescu, M. Danu, L. Verestiuc A. I. Borhan, M. Gromada, P. Samoila, D. Gherca
- Fluids, 113, 66-71 (2016)
- Journal of the Serbian Chemical Society, 81, 1055-1068 (2016)
- Journal of the Serbian Chemical Society, 81, 307-322 (2016)
- Journal of the Serbian Chemical Society, 81, 673-685 (2016)
- Journal of Thermal Analysis and Calorimetry, 125, 97-110 (2016)
- Journal of Thermal Analysis and Calorimetry, 126, 1763-1776 (2016)
- Liquid Crystals, 43, 1973-1955 (2016)
- Macromolecular Chemistry and Physics, 217, 2525-2533 (2016)
- Macromolecular Research, 24, 249-260 (2016)
- Macromolecules, 49, 6163-6172 (2016)
- Materials and Design, 106, 454-462 (2016)
- Materials Chemistry and Physics, 117, 442-454 (2016)
- Materials Chemistry and Physics, 180, 291-300 (2016)
- Materials Letters, 164, 320-324 (2016)
- Materials Science and Engineering B: Advanced Functional Solid-State

- oxygen membrane with a developed surface
145. A new fluorinated urethane dimethacrylate with carboxylic groups for use in dental adhesive compositions
146. Carboxymethyl guar gum nanoparticles for drug delivery applications: Preparation and preliminary in-vitro investigations
147. ATR technique, an appropriate method for determining the degree of conversion in dental composites
148. ROMP synthesis of iron-containing organometallic polymers
149. Alendronate-loaded modified drug delivery lipid particles intended for improved oral and topical administration
150. Nanocomposites based on cellulose, hemicelluloses, and lignin
151. Hybrid nanostructures containing sulfadiazine modified chitosan as antimicrobial drug carriers
152. Inclusion complexes of propiconazole nitrate with substituted  $\beta$ -cyclodextrins: the synthesis and in silico and in vitro assessment of their antifungal properties
153. Photoluminescent polymer composites with R, G, B emission and their potential applications in LCD displays
154. Considerations on the surface relief grating formation mechanism in case of azo-polymers, using pulse laser irradiation method
155. Analysis of the electronic, IR and <sup>1</sup>H NMR spectra of conjugated oligomers based on 4,4'-triphenylamine vinylene
156. Top-down synthesis of mesocrystalline  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> submillimeter-sized rhombohedrons
- T. Buruiana, V. Melinte, H. Aldea, I. M. Pelin, E. C. Buruiana
- G. Dodi, A. Pala, E. Barbu, D. Peptanariu, D. Hritcu, M. I. Popa, B. I. Tamba
- C. Prejmerean, D. Prodan, M. Vlassa, M. Streza, T. Buruiana, L. Colceriu, V. Prejmerean, S. Cuc, M. Moldovan
- I. Dragutan, V. Dragutan, P. Filip, B. C. Simionescu, A. Demonceau
- L. Ochiuz, C. Grigoras, M. Popa, I. Stoleriu, C. Munteanu, D. Timofte, L. Profire, A. G. Grigoras
- D. E. Ciolacu, R. N. Darie
- B. S. Munteanu, R. P. Dumitriu, L. Profire, L. Sacarescu, G. E. Hitruc, E. Stoleru, M. Dobromir, A. L. Matricala, C. Vasile
- B. Minea, N. Marangoci, D. Peptanaru, I. Rosca, V. Nastasa, A. Corciova, C. Varganici, A. Nicolescu, A. Fifere, A. Neamtu, M. Mares, M. Barboiu, M. Pinteala
- C. S. Stan, P. Horlescu, M. Popa, A. Coroaba, L. E. Ursu
- E. Sava, B. Simionescu, N. Hurduc, I. Sava
- G. V. Baryshnikov, V. A. Minaeva, B. F. Minaev, V. H. Sun, M. Grigoras
- M. L. Kiss, M. Chirita, A. Ieta, L. Sacarescu, C. Savii
- Materials, 209, 66-74 (2016)
- Materials Science and Engineering C: Materials for Biological Applications, 62, 96-104 (2016)
- Materials Science and Engineering C: Materials for Biological Applications, 63, 628-636
- Measurement Science and Technology, 27, Article 124008 (2016)
- Molecules, 21, Article 198/1-16 (2016)
- Molecules, 21, Article 858/1-16 (2016)
- Nanomaterials and Nanocomposites: Zero- to Three-Dimensional Materials and Their Composites, P. M. Visakh, M. J. M. Morlanes, Eds., Wiley-VCH Verlag, Weinheim, 392-424 (2016)
- Nanomaterials, 61, Article 207/1-17 (2016)
- New Journal of Chemistry, 40, 1765-1776 (2016)
- New Journal of Chemistry, 40, 6505-6512 (2016)
- Optical Materials, 53, 174-180 (2016)
- Optics and Spectroscopy, 121, 348-356 (2016)
- Particulate Science and Technology, 34, 571-579 (2016)

157. Mechanism of oxygen sensing on  $\beta$ -Ga<sub>2</sub>O<sub>3</sub> single-crystal sensors for high temperature
158. Trends in polymeric gas separation membranes
159. Dielectric properties of liquid-crystal azomethine polymer with a side alkyl-substituted chain, doped with fullerene C60
160. Dielectric spectroscopy of polyimide films treated by nanosecond high voltage pulsed driven electrical discharges in water
161. Hyperglycemia determines increased specific microRNAs levels in sera and HDL of acute coronary syndrome patients and stimulates microRNAs production in human macrophages
162. Etiologic agents and antifungal susceptibility of oral candidosis from Romanian patients with HIV-infection or type 1 diabetes mellitus
163. New Zn(II) and Cu(II) complexes with in situ generated N<sub>2</sub>O<sub>2</sub> siloxane Schiff base ligands
164. Poly(N-vinyl caprolactam-co-maleic acid) microparticles for cationic dye removal
165. Electrical resistance under different humidity conditions for plasma-treated and gold-sputtered polyimide films
166. Functional modification of poly(vinyl alcohol) with maleimide compounds
167. Semi-alicyclic polyimide precursors: structural, optical and biointerface evaluations
168. Star-epoxy mesogen with 1,3,5-triazine core: A model of A4B3 fractal polymerization in a liquid crystalline thermoset media
169. Interpenetrating poly(urethane urea) - polydimethylsiloxane networks designed as active elements in electromechanical transducers
170. Synthesis and application of a novel poly-L-phenylalanine electroactive
- M. Bartic
- I. A. Ronova, A. Alentiev, M. Bruma
- D. S. Kovalev, S. V. Kostromin, V. Musteata, V. Cozan, S. V. Bronnikov
- C. Miron, J. Zhuang, I. Sava, A. Kruth, K. D. Weltmann, J. F. Kolb
- N. Simionescu, L. S. Niculescu, M. G. Carnuta, G. M. Sanda, C. S. Stancu, A. C. Popescu, M. R. Popescu, A. Vlad, D. R. Dimulescu, M. Simionescu, A. V. Sima
- B. Minea, V. Nastasa, A. Kolecka, M. Mares, N. Marangoci, I. Rosca, M. Pinteala, M. Hancianu, M. Mares
- A. Vlad, M. F. Zaltariov, S. Shova, M. Cazacu, M. Avadanei, A. Soroceanu, P. Samoila
- I. Popescu, D. M. Suflet
- S. L. Nica, C. Hulubei, I. Stoica, E. G. Ioanid, V. Nica, S. Ioan
- C. Gaina, V. Gaina, D. Ionita
- D. Popovici, A. I. Barzic, R. F. Barzic, D. S. Vasilescu, C. Hulubei
- J. M. Pin, N. Sbirrazzuoli, L. Sacarescu, A. Mija
- C. Tugui, S. Vlad, M. Iacob, C. D. Varganici, L. Pricop, M. Cazacu
- T. Yilmaz, E. Guber, Z. P. Gumus, H. Akbulut, E.
- Physica Status Solidi A: Applications and Materials Science, 213, 457-462 (2016)
- Physical Chemistry for the Chemical and Biochemical Sciences, J. L. Lopez-Bonilla, M. I. Abdullin, G. E. Zaikov, Eds., Apple Acad. Press, Oakville, Canada, 31-98 (2016)
- Physics of the Solid State, 58, 835-839 (2016)
- Plasma Processes and Polymers, 13, 253-257 (2016)
- PLoS One, 11, Article e0161201/1-15 (2016)
- Polish Journal of Microbiology, 65, 123-129 (2016)
- Polyhedron, 115, 76-85 (2016)
- Polymer Bulletin, 73, 1283-1301 (2016)
- Polymer Bulletin, 73, 1531-1544 (2016)
- Polymer Bulletin, 73, 2019-2038 (2016)
- Polymer Bulletin, 73, 331-334 (2016)
- Polymer Chemistry, 7, 1221-1225 (2016)
- Polymer Chemistry, 7, 2709-2719 (2016)
- Polymer Chemistry, 7, 7304-7315 (2016)

- macromonomer as matrix for the biosensing of "Abused Drug" model
171. Controlling morphology, electrical and mechanical properties of polymer blends by heterogeneous distribution of carbon nanotubes
172. Indolo[3,2'-b]carbazole-based poly(arylene vinylene)s. The influence of substitution position on spectroscopic and electrochemical properties
173. New bismaleimide-silica hybrid materials: A critical assessment of properties in correlation with the method of synthesis
174. Cellulose-based hydrogels: Designing concepts, properties and perspectives for biomedical and environmental applications
175. Polymeric membranes: From basic concepts and separation mechanisms to their impact on daily life
176. Applications of polymeric materials as adsorbents for dyes removal from aqueous medium
177. Silica-containing polyetherimide hybrid films based on methyltriethoxysilane as precursor of inorganic network
178. Dual-emissive polydiphenylsilane nanocomposite: effect of N,N-bis(4-hydroxysalicylidene)-1,2-phenylenediamine-Zn complex
179. Novel composite membranes from cellulose acetate and clay-silica nanowires
- Aldemir, H. Coskunol, D. G. Colak, I. Cianga, S. Yamada, S. Timur, T. Endo, Y. Yagci  
Y. Mamunya, V. Levchenko, G. Boiteux, G. Seytre, M. Zanoaga, F. Tanasa, E. Lebedev  
O. I. Negru, A. M. Solonaru, M. Grigoras
- V. Gaina, O. Ursache, C. Gaina, D. Timpu, F. Tanasa
- M. D. Onofrei, A. Filimon
- A. M. Dobos, A. Filimon
- D. Suteu, S. Coseri
- C. Hamciuc, E. Hamciuc, T. Vlad-Bubulac, S. Vlad, M. Asandulesa, A. Wolinska-Granczyk  
L. Sacarescu, C. Cojocar, R. Ardeleanu, M. Fortuna, G. Sacarescu, M. Simionescu  
M. C. Corobea, O. Muhulet, F. Miculescu, I. V. Antoniac, Z. Vuluga, D.
- Polymer Composites, 37, 2467-2477 (2016)
- Polymer International, 65, 1449-1457 (2016)
- Polymer Plastic Technology and Engineering, 55, 784-801 (2016)
- Polymer Science Book Series, 1 (Polymer Science: Research Advances, Practical Applications and Educational Aspects), A. Mendez-Vilas, A. Solano-Martin, Eds., Formatex Research Center, Badajoz, Spain, 108-120 (2016)
- Polymer Science Book Series, 1 (Polymer Science: Research Advances, Practical Applications and Educational Aspects), A. Mendez-Vilas, A. Solano-Martin, Eds., Formatex Research Center, Badajoz, Spain, 429-440 (2016)
- Polymer Science Book Series, 1 (Polymer Science: Research Advances, Practical Applications and Educational Aspects), A. Mendez-Vilas, A. Solano-Martin, Eds., Formatex Research Center, Badajoz, Spain, 62-70 (2016)
- Polymer Testing, 52, 94-103
- Polymers for Advanced Technologies, 27, 115-124 (2016)
- Polymers for Advanced Technologies, 27, 1586-1595 (2016)

180. Synthesis and photophysics of conjugate azomethine polyrotaxanes  
 Florea, D. M. Vuluga, M. Butnaru, D. Ivanov, I. Voicu, V. K. Thakur A. M. Resmerita, F. Farcas, A. Rotaru, A. Farcas  
 Proceedings of SPIE, 10010 (Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies, VIII), 1001009/1-7 (2016)
181. Synthesis and characterization of novel main chain bisazobenzene polyphosphonates  
 T. Vlad-Bubulac, D. Serbezeanu, I. D. Carja  
 Proceedings of SPIE, 10010 (Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies, VIII), 100100G/1-8 (2016)
182. Long thermal interactions of PAW with normal tooth structure and different dental biomaterials  
 A. C. Bostanaru, E. Hnatiuc, I. Rosca, A. L. Vasiliu, M. Doroftei, L. Ursu, L. I. Ailincai, V. Nastasa, M. Mares  
 Proceedings of SPIE, 10010 (Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies, VIII), 100103F/1-8 (2016)
183. Terpolymer polyrotaxanes: a promising supermolecular system as electron-transporting materials for optoelectronics  
 A. Farcas, A. M. Resmerita, A. Rotaru, F. Farcas  
 Proceedings of SPIE, 10010 (Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies, VIII), 100103K/1-7 (2016)
184. Silicones with enhanced permittivity for dielectric elastomer actuators  
 S. J. Dunki, M. Dascalu, F. A. Nuesch, D. M. Opris  
 Proceedings of SPIE, 9798(Electroactive polymer actuators and devices (EAPAD)), 97982K/1-12 (2016)
185. A "deconstruction-rebuilding" approach in the valorization of protein-containing leather wastes  
 S. S. Maier, M. Crudu, V. Maier, D. Rosu, I. A. Crudu  
 Proceedings of the 16th International Multidisciplinary Scientific GeoConference, SGEM2016, 30 June - 7 July, 2016, Albena, Bulgaria, vol. II, 3-9 (2016)
186. Pathways to circular economy in leather processing. Eco-innovative solutions for waste recovery-recycling-reuse in the frame of green technologies  
 M. Crudu, A. M. Crudu, S. S. Maier, D. Rosu, I. A. Crudu  
 Proceedings of the 16th International Multidisciplinary Scientific GeoConference, SGEM2016, 30 June - 7 July, 2016, Albena, Bulgaria, vol. II, 81-87 (2016)
187. Sterile-induced toxicity in Tarnita forestry ecosystem  
 M. Murariu, A. Surleva, I. Bunia  
 Proceedings of the 16th International Multidisciplinary Scientific GeoConferences, SGEM 2016, 28 June-7 July, 2016, Albena, Bulgaria, Book 3, vol. 2, 631-638 (2016)
188. Wheat seeds as environmental markers in heavy metal and arsenic pollution of Tarnita mining area  
 M. Murariu, C. I. Ciobanu, I. Bunia, A. Surleva, A. E. Butnariu  
 Proceedings of the 16th International Multidisciplinary Scientific GeoConferences, SGEM 2016, 28 June-7 July, 2016, Albena, Bulgaria, Book 3, vol. 2, 685-692 (2016)

189. Impact of surface properties of blends based on quaternized polysulfones on modeling and interpretation the interactions with blood plasma: Quaternized polysulfones blends interaction with blood plasma  
A. M. Dobos, A. Filimon, E. Avram, G. E. Ioanid  
Proceedings of the 5th IEEE Conference on E-Health and Bioengineering, EHB 2015, 19-21 Nov. 2015, Iasi, Romania, Article Number 7391423 (2016)
190. Polymer engineering focusing on drug/gene delivery and tissue engineering  
L. Clima, A. Rotaru, C. Cojocar, M. Pinteala, B. C. Simionescu  
Proceedings of the 5th IEEE Conference on E-Health and Bioengineering, EHB 2015, 19-21 Nov. 2015, Iasi, Romania, Article Number 7391491 (2016)
191. Surface wettability and morphology implications on semi-alicyclic polyimide hemocompatibility  
I. Stoica, A. I. Barzic, C. Hulubei  
Proceedings of the 5th IEEE Conference on E-Health and Bioengineering, EHB 2015, 19-21 Nov. 2015, Iasi, Romania, Article Number 7391499 (2016)
192. Electrospun fibers containing cationic quaternary ammonium derivatives with antibacterial activity: Electrospun quaternized polysulfone fibers with antimicrobial activity  
A. Filimon, E. Avram, N. Olaru, F. Doroftei, S. Dunca  
Proceedings of the 5th IEEE Conference on E-Health and Bioengineering, EHB 2015, 19-21 Nov. 2015, Iasi, Romania, Article Number 7391562 (2016)
193. Self-linked polymer gels based on hyaluronic acid and poly(itaconic anhydride-co-3,9-divinyl-2,4,8,10-tetraoxaspiro [5,5] undecane) as potential drug delivery networks  
A. Diaconu, L. E. Nita, A. P. Chiriac, L. M. Tartau, F. Doroftei, C. Vasile, M. Pinteala  
Proceedings of the 5th IEEE Conference on E-Health and Bioengineering, EHB 2015, 19-21 Nov. 2015, Iasi, Romania, Article Number 7391568 (2016)
194. A comparative study of functionalized nanohydroxyapatite  
G. David, L. Sacarescu, D. Timpu, T. Vasiliu  
Proceedings of the 5th IEEE Conference on E-Health and Bioengineering, EHB 2015, 19-21 Nov. 2015, Iasi, Romania, Article Number 7391606 (2016)
195. A study on coating properties of an epoxy system hardened with maleinized castor oil  
D. Rosu, F. Mustata, N. Tudorachi, C. D. Varganica, L. Rosu, V. E. Musteata  
Progress in Organic Coatings, 99, 480-489 (2016)
196. Gamma irradiation assisted fungal degradation of the polypropylene/biomass composites  
E. Butnaru, R. N. Darie-Nita, T. Zaharescu, T. Balaes, C. Tanase, G. Hitruc, F. Doroftei, C. Vasile  
Radiation Physics and Chemistry, 125, 134-144 (2016)
197. Improved fluorimetric measurement of uranium uptake and distribution in spring wheat (*Triticum aestivum* L)  
C. Borcia, K. Popa, A. Cecal, M. Murariu  
Radiochimica Acta, 104, 315-319 (2016)
198. Surface characterization and antimicrobial properties of sodium deoxycholate-based poly(ester ether) urethane ionomer biomaterials  
D. Filip, D. Macocinschi, E. Paslaru, C. G. Tuchilus, S. Vlad  
Reactive and Functional Polymers, 102, 70-81 (2016)
199. Synthesis and photophysical study of some new highly thermostable blue fluorescent poly(1,3,4-oxadiazole-imide)s containing dimethylamine  
C. Hamciuc, M. Homocianu, E. Hamciuc, I. D. Carja  
Reactive and Functional Polymers, 103, 17-25 (2016)



- groups
200. Adsorption and release studies of cefuroxime sodium from acrylic ion exchange resin microparticles coated with gellan  
S. Racovita, M. A. Lungan, I. Bunia, M. Popa, S. Vasiliu  
Reactive and Functional Polymers, 105, 103-113 (2016)
201. Multi-stimuli-responsive semi-IPN cryogels with native and anionic potato starch entrapped in poly(N,N-dimethylaminoethyl methacrylate) matrix and their potential in drug delivery  
E. S. Dragan, D. F. Apopei Loghin, A. I. Cocarta, M. Dorftei  
Reactive and Functional Polymers, 105, 66-77 (2016)
202. Poly(lactide-co-glycolide)/cyclodextrin (polyethyleneimine) microspheres for controlled delivery of dexamethasone  
S. Bucatariu, M. Constantin, P. Ascenzi, G. Fundueanu  
Reactive and Functional Polymers, 107, 46-53 (2016)
203. Synthesis and biological evaluation of a new class of triazin-triazoles as potential inhibitors of human farnesyltransferase  
L. Lucescu, E. Bicu, D. Belei, S. Shova, B. Rigo, P. Gautret, J. Dubois, A. Ghinet  
Research on Chemical Intermediates, 42, 1999-2021 (2016)
204. Rheology and processing of nanocellulose, nanochitin, and nanostarch/polymer bionanocomposites  
C. A. Teaca, R. Bodirlau  
Rheology and Processing of Polymer Nanocomposites, S. Thomas, R. Muller, J. Abraham, Eds., Wiley, Hoboken, NJ, USA, 453-490 (2016)
205. Maleimide copolymers containing azobenzene moieties - synthesis and study of liquid crystalline and optical properties  
V. Cozan, C. Hulubei, A. Airinei, S. Morariu  
RSC Advances, 6, 101900-101910 (2016)
206. Synthesis and properties of polyurethane urea with pyridine-2,6-dicarboxamide moieties in their structure  
S. Oprea, V. O. Potolinca, C. D. Varganici  
RSC Advances, 6, 106904-106913 (2016)
207. Environmentally friendly fire-resistant epoxy resins based on a new oligophosphonate with high flame retardant efficiency  
C. Hamciuc, T. Vlad-Bubulac, D. Serbezeanu, I. D. Carja, E. Hamciuc, G. Lisa, V. Forrat Perez  
RSC Advances, 6, 22764-22776 (2016)
208. Metal-organic frameworks based on tri- and penta-nuclear manganese(II) secondary building units self-assembled by a V-shaped silicon-containing carboxylate  
A. Vlad, M. F. Zaltariov, S. Shova, G. Novitchi, C. Train, M. Cazacu  
RSC Advances, 6, 37412-37723 (2016)
209. Phosphorus-containing polyimide fibers and their thermal properties  
D. Serbezeanu, I. Butnaru, C. D. Varganici, M. Bruma, G. Fortunato, S. Gaan  
RSC Advances, 6, 38371-38374 (2016)
210. Viscoelastic and structural properties of poly(vinyl alcohol)/poly(vinylpyrrolidone) hydrogels  
M. Teodorescu, S. Morariu, M. Bercea, L. Sacarescu  
RSC Advances, 6, 39718-39727 (2016)
211. Synthesis and characterization of new dual stimuli-responsive bisazobenzene derivatives  
M. Homocianu, D. Serbezeanu, I. D. Carja, A. M. Maxim, T. Vlad-Bubulac, A. Airinei  
RSC Advances, 6, 49980-49987 (2016)
212. Electrochemical evidence for inclusion complexes of thiotriazinone with cyclodextrins  
A. Arvinte, N. Marangoci, A. Nicolescu, M. Pinteala  
RSC Advances, 6, 82817-82823 (2016)

213. A new chiral dimanganese(II) complex: synthesis, crystal structure, spectroscopic, magnetic and catalytic properties  
A. S. Dinca, N. Candu, S. Shova, F. Lloret, M. Julve, V. I. Parvulescu, M. Andrich  
RSC Advances, 6, 86569-86574 (2016)
214. Aging behavior of the silicone dielectric elastomers in a simulated marine environment  
A. Bele, G. Stiubianu, S. Vlad, C. Tugui, C. D. Varganici, L. Matricala, D. Ionita, D. Timpu, M. Cazacu  
RSC Advances, 6, 8941-8955 (2016)
215. Microstructure, electrical and humidity sensor properties of electrospun NiO-SnO<sub>2</sub> nanofibers  
P. Pascariu, A. Airinei, N. Olaru, I. Petrila, V. Nica, L. Sacarescu, F. Tudorache  
Sensors and Actuators B: Chemical, 222, 1024-1031 (2016)
216. The chromic and electrochemical response of CoCl<sub>2</sub>-filled polyimide materials for sensing applications  
M. D. Damaceanu, I. Sava, C. P. Constantin  
Sensors and Actuators B: Chemical, 294, 549-561 (2016)
217. Nail damage (severe onychodystrophy) induced by acrylate glue: Scanning electron microscopy and energy dispersive X-ray investigations  
T. Pinteala, A. E. Chiriac, I. Rosca, F. Larese Filon, M. Pinteala, A. Chiriac, C. Podoleanu, S. Stolnicu, M. F. Coros, A. Coroaba  
Skin Appendage Disorders, 2, 137-142 (2016)
218. Investigations of thermomechanical couplings, strain localization and shape memory properties in shape memory polymer subjected to loading at various strain rates  
E. A. Pieczyska, M. Staszczak, M. Maj, K. Kowalczyk-Gajewska, K. Golasinski, M. Cristea, H. Tobushi, S. Hayashi  
Smart Materials and Structures, 25, Article 085002 (2016)
219. Silicone-based elastic composites able to generate energy on micromechanical impulse  
C. Racles, M. Ignat, A. Bele, M. Dascalu, D. Lipcinski, M. Cazacu  
Smart Materials and Structures, 25, Article 085024/1-9 (2016)
220. Analysis and structural characterization of pigments and materials used in Nicolae Grigorescu heritage paintings  
R. D. Rusu, B. Simionescu, A. V. Oancea, M. Geba, L. Stratulat, D. Salajan, L. E. Ursu, M. C. Popescu, M. Dobromir, M. Murariu, C. Cotofana, M. Olaru  
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 168, 218-229 (2016)
221. Influence of conformational parameters on physical properties of copolyimides containing pendant diphenylphosphine oxide units  
I. D. Carja, D. Serbezeanu, M. Bruma, I. A. Ronova, N. M. Belomoina  
Structural Chemistry, 27, 1465-1477 (2016)
222. Correlation between physical properties and conformational rigidity of some aromatic polyimides having pendant phenolic groups  
D. Serbezeanu, I. D. Carja, M. Bruma, I. A. Ronova  
Structural Chemistry, 27, 973-981 (2016)
223. Polypeptide with electroactive endogroups as sensing platform for the abused drug "methamphetamine" by bioelectrochemical method  
B. Demir, T. Yilmaz, E. Guler, Z. P. Gumus, H. Akbulut, E. Aldemir, H. Coskunol, D. G. Colak, I. Cianga, S. Yamada, S. Timur, T. Endo, Y. Yagci  
Talanta, 161, 789-796 (2016)
224. A heterojunction photovoltaic cell based on a mixture of silane copolymer with C70 fullerene derivative  
S. V. Kostromin, V. V. Malov, A. R. Tameev, S. V. Bronnikov, L. Sacarescu  
Technical Physics Letters, 42, 23-26 (2016)
225. Fine tuning the outcome of 1,3-cycloaddition reactions of  
E. Georgescu, A. Nicolescu, F. Georgescu,  
Tetrahedron, 72, 2507-2520 (2016)

- benzimidazolium ylides to activated alkynes
226. Pyridyl-indolizine derivatives as DNA binders and pH-sensitive fluorescent dyes
227. Spectral characteristics and electronic conductivity of composites obtained by reaction of iodine vapor with isostructural zinc-organic frameworks
228. Effect of the structure of aromatic nitro compounds on the efficiency of luminescence quenching of the metal-organic framework of zinc(II) 4,4'-diphenyldicarboxylate
229. Reactive multi-pulse HiPIMS deposition of oxygen-deficient TiO<sub>x</sub> thin films
230. Electric conduction mechanism of some heterocyclic compounds, 4,4'-bipyridine and indolizine derivatives in thin films
231. The role of chronic exposure to amoxicillin/clavulanic acid on the developmental enamel defects in mice
232. Ultrasound-based protein determination in maize seeds
233. Microbial exopolysaccharides for biomedical applications
234. Viscoelastic behavior of liquid-crystal polymer in composite systems
235. Valorization of Romanian silver fir tree bark (*Abies alba* Mill) wastes at low-cost sorbent of Cu(II) ions from polluted waters
236. Adsorption of heavy metal ions onto surface-functionalized polymer beads. I. Modelling of equilibrium isotherms by using non-linear and linear regression analysis
- F. Teodorescu, S. Shova, A. I. Marinoiu, F. Dumitrascu, C. Deleanu  
N. L. Marangoci, L. Popovici, E. L. Ursu, R. Danac, L. Clima, C. Cojocaru, A. Coroaba, A. Neamtu, I. Mangalagiu, M. Pinteala, A. Rotaru  
R. I. Gurtovyi, L. V. Tsymbal, S. Shova, Y. D. Lampeka
- Tetrahedron, 72, 8215-8222 (2016)
- Theoretical and Experimental Chemistry, 52, 310-317 (2016)
- Theoretical and Experimental Chemistry, 52, 44-50 (2016)
- V. Tiron, I. L. Velicu, M. Dobromir, A. Demeter, F. Samoila, C. Usru, L. Sirghi  
R. Danac, L. Leontie, A. Carlescu, S. Shova, V. Tiron, G. G. Rusu, F. Iacomi, S. Gurlui, O. Susu, G. I. Rusu  
E. Mihalas, L. Matricala, A. Chelmus, N. Ghetu, A. Petcu, S. Pasca
- Thin Solid Films, 603, 255-261 (2016)
- Thin Solid Films, 612, 358-368 (2016)
- Toxicologic Pathology, 44, 61-70 (2016)
- G. Drochioiu, C. I. Ciobanu, S. Bancila, L. Ion, B. A. Petre, C. Andries, R. V. Gradinaru, M. Murariu  
S. Vasiliu, S. Racovita, M. A. Lungan, J. Desbrieres, M. Popa
- Ultrasonics Sonochemistry, 29, 93-103 (2016)
- Unfolding the Biopolymer Landscape (Book Series: Frontiers in Biomaterials), V. Pillay, Y. E. Choonara, P. Kumar, Eds, Bentham Science Publ., vol 2, 180-238 (2016)
- A. I. Barzic, S. Ioan
- Viscoelastic and Viscoplastic Materials, M. F. El-Amin, Ed., Intech, Rijeka, Croatia, 35-52 (2016)
- L. Tofan, C. Paduraru, R. L. Mihailescu Amalinei, I. Bunia, A. Miron
- Water Science and Technology, 74, 2314-2324 (2016)
- G. N. Moroi, E. Avram, L. Bulgariu
- Water, Air and Soil Pollution, 227, Article 260/1-18 (2016)

237. Thermal degradation study of decabromodiphenyl ether. Translating thermoanalytical results into optimal chromatographic conditions M. Dumitras, D. Maftai, D. L. Isac, A. Airinei, A. C. Dirtu Acta Chemica Iasi, 24, 76-87 (2016)
238. Effect of ultraviolet light on the properties of dyed cotton cellulose L. Rosu, C. C. Gavai, D. Rosu, C. D. Varganici Annals of the University of Oradea, Fascicle Textiles, Leatherwork, 27, 123-126 (2016)
239. New eco-efficient products used in leather industry D. Rosu, M. Crudu, L. Rosu, I. A. Crudu, C. D. Varganici Annals of the University of Oradea, Fascicle Textiles, Leatherwork, 27, 195-198 (2016)
240. Research on the impact of the morphological variation of mineral fragments on soil hydraulic properties V. Filer, F. Statescu, M. Bodea, A. Ungurasu (Stan), D. Rusu, F. Doroftei Buletinul Institutului Politehnic din Iasi, Sectia Constructii. Arhitectura, 62(2), 69-80 (2016)
241. Dermatocosmetics based on hydroxypropyl cellulose for acne treatment. Rheological and drug delivery behaviour L. Ochiuz, M. Hortolomei, I. Stoleriu, M. Bercea Cellulose Chemistry and Technology, 50, 569-575 (2016)
242. Cyclodextrins in rotaxa-conjugated polymers synthesis A. Farcas Cellulose Chemistry and Technology, 50, 585-591 (2016)
243. Enalapril maleate loaded pullulan film for mucoadhesive buccal drug delivery applications S. Gherman, D. Zavastin, L. Ochiuz, G. Biliuta, S. Coseri Cellulose Chemistry and Technology, 50, 593-600 (2016)
244. Comparison of elasticity contributions during the flow of a cellulose derivative solution M. Bercea, P. Navard Cellulose Chemistry and Technology, 50, 601-607 (2016)
245. Viscose-barium titanate composites for electromagnetic shielding R. Rotaru, C. Peptu, V. Harabagiu Cellulose Chemistry and Technology, 50, 621-628 (2016)
246. Influence of accelerated weathering on the performance of polyactic acid based materials I. Spiridon, R. N. Darie-Nita, M. Kozlowski, A. Nechita, R. G. Ursu Cellulose Chemistry and Technology, 50, 629-635 (2016)
247. Compatibilized green composites based on wood chips and thermoplastic polymer waste matrices M. Zanoaga, F. Tanasa, Y. Mamunya Cellulose Chemistry and Technology, 50, 637-648 (2016)
248. Inclusion complex of thiotriazinone with  $\alpha$ -cyclodextrin - Raman spectroscopy, DSC, preliminary antimicrobial and antifungal study R. Ghiorghiasa, A. R. Petrovici, I. Rosca, L. Miron Digest Journal of Nanomaterials and Biostructures, 11, 235-241 (2016)
249. Magnetic nanoparticles generated by laser ablation in liquid G. Bulai, I. Dumitru, M. Pinteala, C. Focsa, S. Gurlui Digest Journal of Nanomaterials and Biostructures, 11, 283-291 (2016)
250. Thermal stability assessment of amidarone hydrochloride in polymeric matrix tablets A. Creteanu, L. Ochiuz, C. Vasile, O. M. Paduraru, C. Popescu, M. Vieru, A. D. Panainte, G. Tantaru Farmacia, 64, 940-945 (2016)
251. Evaluation of surface condition after finishing and polishing of a flowable composite material B. Munteanu, S. Andrian, L. Ursu, S. Stoleriu, G. Iovan, C. A. Ghiorghe, G. Panca, I. Nica International Journal of Medical Dentistry, 6, 124-129 (2016)
252. Research on the influence of soil V. Filer, F. Statescu, D. Lucrari Stiintifice,

- particles shape on the hydraulic conductivity of soils from Breazu study area
253. Research on the influence of soil particles shape on the attention capacity of soil from Dancu study area
254. The quantitative and qualitative assessment of dental substance loss as consequence of root planing by three different techniques
255. Equilibrium and kinetics studies of 4-nitrophenol adsorption onto porous crosslinked beads
256. Physico-chemical properties of two poly(carboxybetaines) based on poly(4-vinyl pyridine)
257. Thermal and dielectrical properties of bismaleimide polymers
258. AFM comparative study of root surface morphology after three methods of scaling
259. E-SEM evaluation of root surface after SRP with periotor tips
260. Endoscopic ultrasound guided injection of iron oxide magnetic nanoparticles for liver and pancreas: A feasibility study in pigs
261. Influence of maleic polyelectrolytes on the variation of colour parameters at dyeing polyacrylonitrile fibres with Victoria Blue 3
262. Fatty acid composition of oils determined from  $^{13}\text{C}$ -NMR spectra
263. Synthesis of novel 3-substituted-1-(2'-hydroxyphenyl)propan-1-ones
264. In vitro evaluation of morphological integrity of dental enamel exposed to carbamide peroxide-based bleaching agent
265. Adsorption of phenol or phenol derivatives onto the styrene - 1% (15% divinylbenzene) polymeric
- Rusu, F. Doroftei
- V. Filer, F. Statescu, D. Rusu, F. Doroftei
- S. M. Solomon, S. Stoleriu, D. Agop Forna, D. Timpu, M. A. Martu Stefanache, I. G. Ursarescu, S. Martu
- S. Racovita, C. D. Vlad, C. D. Radu, S. Vasiliu, I. Plesca, D. E. Branisteanu, I. C. A. Sandu
- A. G. Grigoras, S. Racovita, S. Vasiliu, A. Diaconu, V. C. Grigoras, L. Ochiuz
- M. Sava
- A. M. Solomon, D. Timpu, D. Agop Forna, M. A. Martu Stefanache, S. Martu, S. Stoleriu
- S. M. Solomon, S. Stoleriu, D. Timpu, D. Agop Forna, A. Martu Stefanache, O. Tanculescu, N. Ioanid, S. Martu
- B. S. Ungureanu, D. Pirici, C. Margaritescu, I. A. Gheonea, F. N. Trincu, A. Fifere, A. Saftoiu
- C. D. Radu, I. C. A. Sandu, S. Racovita, C. M. Toma, E. Bercu
- N. A. Chira, A. Nicolescu, R. Stan, S. Rosca
- G. Roman
- A. Murariu, R. Vasluianu, L. Matricala, I. Stoica, N. C. Forna
- R. Ardelean, C. M. Davidescu, E. S. Dragan, A. Popa, C. Marcu, A.
- Universitatea de Stiinte Agricole si Medicina Veterinara "Ion Ionescu de la Brad", Iasi, Seria Agronomie, 59(2), 69-74 (2016)
- Lucrari Stiintifice, Universitatea de Stiinte Agricole si Medicina Veterinara "Ion Ionescu de la Brad", Iasi, Seria Agronomie, 59(2), 75-80 (2016)
- Materiale Plastice, 53, 304-307 (2016)
- Materiale Plastice, 53, 434-439 (2016)
- Materiale Plastice, 53, 440-442 (2016)
- Materiale Plastice, 53, 473-477 (2016)
- Materiale Plastice, 53, 546-549 (2016)
- Materiale Plastice, 53, 796-798 (2016)
- Medical Ultrasonography, 18, 157-162 (2016)
- Revista de Chimie, 67, 1090-1096 (2016)
- Revista de Chimie, 67, 1257-1263 (2016)
- Revista de Chimie, 67, 1692-1696 (2016)
- Revista de Chimie, 67, 2103-2105 (2016)
- Revista de Chimie, 67, 2180-2183 (2016)

- adsorbents functionalized with aminopropyl(benzyl)phosphonic groups
266. Decontamination of nitrophenolic compounds by yeast suspensions. Statistical study  
Negrea  
O. Pintilie, M. Zaharia, A. Cosma, M. Murariu, D. Cozma, G. Drochioiu, I. Sandu  
Revista de Chimie, 67, 2193-2197 (2016)
267. In vitro study using ATR-FTIR method for analyze the effects of the carbamide peroxide on the dental structure  
R. Vasluianu, D. Agop  
Forna, M. Zaltariov, A. Murariu  
Revista de Chimie, 67, 2475-2478 (2016)
268. Assessment of alcohol production by encoupling oxidative phosphorylation of some pollutants  
O. Pintilie, M. Zaharia, A. Cosma, M. Murariu, R. Gradinaru, G. G. Balan, G. Drochioiu, I. Sandu  
M. Grigoras, O. I. Negru  
Revista de Chimie, 67, 375-377 (2016)
269. Direct synthesis of 2,8- and 3,9-bisbromine-functionalized indolo[3,2-b]carbazoles  
Revista de Chimie, 67, 430-434 (2016)
270. Hierardically bimodal porous metallosilicate catalysts for acetolysis of epichlorohydrin  
E. I. Muresan, A. Puitel, A. Pui, C. D. Radu, D. Tampu, N. Cimpoiesu, I. Sandu  
Revista de Chimie, 67, 659-664 (2016)
271. Sunflower oil behaviour during storage time  
C. Cobzaru, N. Apostolescu, G. A. Apostolescu, A. Marinoiu, M. Silion, C. Cernatescu  
Revista de Chimie, 67, 724-727 (2016)
272. Contributions to the sythesis of pyrrolo[1,2-a]benzimidazole derivatives via 1,3-dipolar cycloaddition reactions  
E. Georgescu, A. Nicolescu, F. Georgescu, S. Shova, B. C. Simionescu, C. Deleanu  
Revue Roumaine de Chimie, 61, 283-290 (2016)
273. A new phenothiazine blue light emitter. Synthesis, structure and photophysical properties  
A. Bejan, L. Marin, B. Chircuta, D. Ailincai, B. C. Simionescu  
Revue Roumaine de Chimie, 61, 291-297 (2016)
274. Two Zn(II) distorsion isomers in a single crystal. Synthesis, supramolecular interactions and thermal analysis  
C. Paraschiv, A. Cucos, S. Shova, M. Andruh  
Revue Roumaine de Chimie, 61, 311-317 (2016)
275. Using an alternating magnetic field for covering a metallic stent with a new magnetic composite  
A. P. Chiriac, L. E. Nita, L. Tartau, I. Neamtu, N. Tudorachi, A. Diaconu  
Revue Roumaine de Chimie, 61, 345-353 (2016)
276. Preparation of poly(acrylic acid-co-itaconic acid-co-N-acryloyl-L-alanine) grafted with methacrylate groups for use in dentistry  
T. Buruiana, M. Nechifor, V. Melinte, C. Prejmerean, E. C. Buruiana  
Revue Roumaine de Chimie, 61, 355-362 (2016)
277. Synthesis and fluorescence properties of some tryptophan-containing polyacrylates  
M. Nechifor, V. E. Podasca, E. C. Buruiana  
Revue Roumaine de Chimie, 61, 363-369 (2016)
278. Critical assessment of the thermal and thermoxidative behaviour of some polypropylene-clay composites  
M. Zanoaga, F. Tanasa  
Revue Roumaine de Chimie, 61, 371-378 (2016)
279. Thermal properties of thermoresponsive networks based on polyurethanes  
O. Ursache, C. Gaina, V. Gaina, C. D. Varganici  
Revue Roumaine de Chimie, 61, 379-384 (2016)
280. Synthesis and characterization of octakis(3-chloroammonium propyl)octasilsesquioxane  
A. M. C. Dumitriu, A. Bargan, M. Balan, C. D. Varganici, S. Shova, M.  
Revue Roumaine de Chimie, 61, 385-393 (2016)

281. Spectroelectrochemical properties of linear and star-shaped triphenylamine oligovinylenes  
Cazacu  
L. Vacareanu, M. Grigoras  
Revue Roumaine de Chimie, 61, 395-403 (2016)
282. Embedding silver nanoparticles at PHB surfaces by means of combined plasma and chemical treatments  
M. Aflori  
Revue Roumaine de Chimie, 61, 405-409 (2016)
283. Rheological investigation of thermoreversible polyurethane hydrogels  
L. M. Gradinaru, C. Ciobanu, S. Vlad, M. Bercea  
Revue Roumaine de Chimie, 61, 411-417 (2016)
284. Synthesis and characterization of some azo-copolyimides  
I. Sava, G. Lisa, E. Sava, N. Hurduc  
Revue Roumaine de Chimie, 61, 419-426 (2016)
285. Upon thermal characterization of a magnetic composite in relation with poly(succinimide)-b-poly(ethylene glycol) shell properties  
N. Tudorachi, W. Knauer, A. P. Chiriac, L. E. Nita, I. Neamtu, M. T. Nistor  
Revue Roumaine de Chimie, 61, 565-573 (2016)
286. Polyimide embedding in lyotropic polymer matrix for surface-related applications: rheological and microscopy investigations  
I. Stoica, A. I. Barzic, C. Hulubei  
Revue Roumaine de Chimie, 61, 575-581 (2016)
287. Decontamination effects of radio frequency low-temperature plasma on paper-based materials  
E. G. Ioanid, C. Tanase, D. Rusu, A. M. Vlad, G. Cazacu, T. Balaes, S. Dunca  
Revue Roumaine de Chimie, 61, 583-590 (2016)
288. Effects of PHOS-b-PMMA additive and pH on the formation of calcium carbonate composite microparticles  
M. Mihai, G. Mountrichas, S. Pispas, B. C. Simionescu  
Revue Roumaine de Chimie, 61, 657-663 (2016)
289. A study on the intercalation process of Tramadol hydrochloride in ZnAl-nitrate layered double hydroxides  
M. C. Alexandrica, M. Silion, D. Timpu, M. I. Popa  
Revue Roumaine de Chimie, 61, 683-688 (2016)
290. Investigation on the properties of poly(2-hydroxyethyl methacrylate-co-3,9-divinyl-2,4,8,10-tetraoxaspiro(5,5) undecane) as a functional polymeric system  
V. Balan, M. Asandulesa, E. Butnaru, A. P. Chiriac, N. Tudorachi, L. E. Nita, I. Neamtu, A. Diaconu  
Revue Roumaine de Chimie, 61, 689-698 (2016)
291. Insights on interaction between collagen-silver colloidal solutions with PET functionalized surface  
M. Drobeta, M. Aflori  
Revue Roumaine de Chimie, 61, 699-703 (2016)
292. Ultrasound-assisted zein extraction and determination in some patented maize flours  
S. Bancila, C. I. Ciobanu, M. Murariu, G. Drochioiu  
Revue Roumaine de Chimie, 61, 725-731 (2016)
293. Photochemical reactions of 2,6-di(4'-azidobenzylidene)-methylcyclohexanone in fluid media  
M. Avadanei  
Revue Roumaine de Chimie, 61, 787-796 (2016)
294. Polyimide micro- and nanoparticles via the reprecipitation method  
C. Hulubei, C. D. Vlad, D. Popovici, I. Stoica, A. I. Barzic, D. Rusu  
Revue Roumaine de Chimie, 61, 797-804 (2016)
295. Synthesis and ring opening reactions of (3-aryloxiran-2-yl)(thiophen-2-yl)methanones  
G. Roman  
Revue Roumaine de Chimie, 61, 893-901 (2016)
296. High resolution imaging techniques for trichodystrophies in netherton syndrome  
I. Gencia, F. Doroftei, P. Ghitulescu, C. Solovan  
Romanian Journal of Clinical and Experimental Dermatology, 3, 105-108 (2016)
297. Hydrophilic versus hydrophobic oleate coated magnetic particles  
E. Puscasu, L. Sacarescu, A. Domocos,  
Romanian Journal of Physics, 61, 946-956 (2016)

298. Evaluation of bio- and hemo-compatibility of two partially aliphatic copolyimides modified by plasma and chemical treatment  
C. Leostean, R. Turcu, D. Creanga, M. Balasoiu, D. Popovici, S. Vlad, I. Stoica, D. S. Vasilescu  
Scientific Bulletin, Series B: Chemistry and Materials Science, University Politehnica Bucuresti, 78, 149-160 (2016)
299. Synthesis of unsymmetrically substituted isoxazoles as intermediates for bent-core mesogens  
G. Roman  
Studia Universitatis Babes-Bolyai, Chemia, 61(2), 47-60 (2016)
300. Density functional study of bond dissociation energies in highly brominated diphenyl ethers  
D. Maftei, M. Dumitras, D. L. Isac, A. C. Dirtu  
Studia Universitatis Babes-Bolyai, Chemia, 61(4), 137-146 (2016)
301. Thermal characterization of the lignin-based hydrogels  
D. Ciolacu, G. Cazacu  
The XXth International Conference of Inventics, Inventica 2016, 30th June-1st July 2016, Iasi, 150-158 (2016)
302. Structure and properties of new superabsorbent hydrogels  
D. Ciolacu  
The XXth International Conference of Inventics, Inventica 2016, 30th June-1st July 2016, Iasi, 159-166 (2016)
303. Plasma discharge/gamma irradiation mediating covalent linking of bioactive compounds to obtain stratified composites for food packing  
B. Munteanu, E. Stoleru, E. G. Ioanid, T. Zaharescu, C. Vasile  
The XXth International Conference of Inventics, Inventica 2016, 30th June-1st July 2016, Iasi, 213-221 (2016)
304. Physico-chemical characterization of aromatic structure polymerized films obtained in atmospheric pressure plasma conditions  
M. Asandulesa, M. I. Totolin, I. Neamtu  
The XXth International Conference of Inventics, Inventica 2016, 30th June-1st July 2016, Iasi, 227-238 (2016)
305. n-Propyl gallate as substrate in the Mannich reaction  
G. Roman  
Proceedings of the Romanian Academy, Series B: Chemistry, Life Sciences and Geoscience, 18, 175-180 (2016)
306. Modificari de suprafata ale biopolimerilor prin metode conventionale si neconventionale  
M. Aflori  
Ed. Tehnopress, Iasi, 208 p (2016)
307. Sisteme catalitice metalice pentru transformarea naftenelor  
P. Samoila  
Ed. Tehnopress, Iasi, 142 p (2016)
308. Advanced Structured Materials, 26(Photochemical Behavior of Multicomponent Polymeric-based Materials)  
D. Rosu, P. M. Visakh, Eds.  
Springer International Publishing, Switzerland, 2016, 405 p (2016)