

## Lista lucrari 2013

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| <p>1. Polydimethylsiloxane-indomethacin blends and nanoparticles</p> <p>2. Generation of a structurally diverse library through alkylation and ring closure reaction using 3-dimethylamino-1-(thiophen-2-yl)propan-1-one hydrochloride</p> <p>3. Innovative biocomposite derived from waste materials with application in electrical domain</p> <p>4. Development of new materials for construction sector obtained from renewable resources</p> <p>5. Reversible 2D/3D coatings from zipper-assembly of block copolymer micelles</p> <p>6. Advances concerning lignin utilization in new materials</p> <p>7. Influence of chlorine on the catalytic properties of supported rhodium, iridium and platinum in ring opening of naphthenes</p> <p>8. The influence of montmorillonite concentration and solvent polarity on the synthesis of benzoxazine monomers in the presence of montmorillonite</p> <p>9. Structural study of photodegraded acrylic-coated lime wood using Fourier transform infrared and two-dimensional infrared correlation spectroscopy</p> <p>10. The impact of rubbing fabric type on the surface roughness and tribological properties of some semi-alicyclic polyimides evaluated from atomic force measurements</p> <p>11. Functionalized ormosil scaffolds processed by direct laser polymerization for application in tissue engineering</p> <p>12. Study of Ni-doped ZnO films as gas sensors</p> | <p>C. Racles<br/>G. Roman<br/><br/>S. T. Aradoaei, R. C. Ciobanu, R. N. Darie, M. Mosneagu</p> <p>S. T. Aradoaei, M. Mosneagu, R. Darie, G. Constantinescu<br/>P. Tyagi, I. E. Raschip, A. Deratani, D. Quemener<br/>G. Cazacu, M. Capraru, V. I. Popa</p> <p>P. Samoila, F. Epron, P. Marecot, C. Espezel<br/>C. Andronescu, S. A. Garea, C. Deleanu, A. Nicolescu, H. Iovu</p> <p>C. M. Popescu, B. C. Simionescu<br/><br/>I. Stoica, A. I. Barzic, C. Hulubei</p> <p>A. Matei, J. Schou, S. Canulescu, M. Zamfirescu, C. Albu, B. Mitu, E. C. Buruiana, T. Buruiana, C. Mustaciosu, I. Petcu, M. Dinescu<br/>A. P. Rambu, L. Ursu, N. Iftimie, V. Nica, M.</p> | <p>AAPS PharmSciTech, 14, 968-976 (2013)<br/>Acta Chimica Slovenica, 60, 70-80 (2013)</p> <p>Advanced Engineering Forum - Interdisciplinary Research in Engineering: Steps towards Breakthrough Innovation for Sustainable Development, 379-388 (2013)</p> <p>Advanced Materials Research, 649, 231-235 (2013)</p> <p>Advanced Materials, 25, 3739-3744 (2013)</p> <p>Advances in Natural Polymers. Composites and Nanocomposites, S. Thomas, P. M. Visakh, A. P. Mathew, Eds., Springer-Verlag, Berlin, 255-312 (2013)</p> <p>Applied Catalysis A: General, 462/463, 207-219 (2013)</p> <p>Applied Clay Science, 86, 99-105 (2013)</p> <p>Applied Spectroscopy, 67, 606-613 (2013)</p> <p>Applied Surface Science, 268, 442-449 (2013)</p> <p>Applied Surface Science, 278, 357-361 (2013)</p> <p>Applied Surface Science, 280, 598-604 (2013)</p> |
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13. Poly(ethyleneimine) crosslinked multilayers deposited onto solid surfaces and enzyme immobilization as a function on the film properties	Dobromir, F. Iacomi F. Bucatariu, C. A. Ghiorghita, F. Simon, C. Bellmann, E. S. Dragan	Applied Surface Science, 280, 812-819 (2013)
14. A novel antifungal agent with broad spectrum: 1-(4-Biphenyl)-3-(1H-imidazol-1-yl)-1-propanone	G. Roman, M. Mares, V. Nastasa	Archiv der Pharmazie, 346, 110-118 (2013)
15. A study on electrospray mass spectrometry of fullerol C60(OH)24	M. Siliu, A. Dascalu, M. Pinteala, B. C. Simionescu, C. Ungureanu A. Poiata, D. E. Creanga, C. Nadejde, N. Fifere, A. Airinei	Beilstein Journal of Organic Chemistry, 9, 1285-1295 (2013)
16. Chemically modified nanoparticles surface for sensing bacterial loading - experimental study based on fluorescence stimulation by iron ions	A. Poiata, D. E. Creanga, C. Nadejde, N. Fifere, A. Airinei	Bioelectrochemistry, 93, 51-58 (2013)
17. From invisible structures of SWCNTs toward fluorescent and targeting architectures for cell imaging	D. Ag, M. Selecí, R. Bongartz, M. Can, S. Yurteri, I. Cianga, F. Stahl, S. Timur, T. Scheper, Y. Yagci C. Vasile, G. Cazacu	Biomacromolecules, 14, 3532-3541 (2013)
18. Biocomposites and nanocomposites containing lignin	C. A. Teaca, D. Rosu, R. Bodirlau, L. Rosu	Biopolymer Nanocomposites: Processing, Properties, and Applications, A. Dufresne, S. Thomas, L. A. Pothan, Eds., Wiley, Hoboken, New Jersey, 565-598 (2013)
19. Structural changes in wood under artificial UV light irradiation determined by FTIR spectroscopy and color measurements - A brief review	C. A. Teaca, D. Rosu, R. Bodirlau, L. Rosu	Bioresources, 8, 1478-1507 (2013)
20. Comparison study of TEMPO and phthalimide-N-oxyl (PINO) radicals on oxidation efficiency toward cellulose	G. Biliuta, L. Fras, M. Drobota, Z. Persin, T. Kreze, K. Stana-Kleinschek, W. Ribitsch, V. Harabagiu, S. Coseri	Carbohydrate Polymers, 91, 502-507 (2013)
21. Removal of anionic dyes from aqueous solutions by an ion-exchanger based on pullulan microspheres	M. Constantin, I. Asmarandei, V. Harabagiu, L. Ghimici, P. Ascenzi, G. Fundueanu	Carbohydrate Polymers, 91, 74-84 (2013)
22. Multiresponsive macroporous semi-IPN composite hydrogels based on native or anionically modified potato starch	E. S. Dragan, D. F. Apopei	Carbohydrate Polymers, 92, 23-32 (2013)
23. Oxidized cellulose - Survey of the most recent achievements	S. Coseri, G. Biliuta, B. C. Simionescu, K. Stana-Kleinschek, V. Ribitsch, V. Harabagiu C. A. Teaca, R. Bodirlau, I. Spiridon	Carbohydrate Polymers, 93, 207-215 (2013)
24. Effect of cellulose reinforcement on the properties of organic acid modified starch microparticles/plasticized starch biocomposite films	C. A. Teaca, R. Bodirlau, I. Spiridon	Carbohydrate Polymers, 93, 307-315 (2013)
25. Ice-templated hydrogels based on chitosan	M. V. Dinu, M. Pradny,	Carbohydrate Polymers,

with tailored porous morphology	E. S. Dragan, J. Michalek	94, 170-178 (2013)
26. Anionic ring-opening polymerization of ethylene oxide in DMF with cyclodextrin derivatives as new initiators	C. Huin, Z. Eskandani, N. Badi, A. Farcas, V. Bennevault-Celton, P. Guegan	Carbohydrate Polymers, 94, 323-331 (2013)
27. Phosphorylated curdlan microgels. Preparation, characterization, and in vitro drug release studies	I. Popescu, I. M. Pelin, M. Butnaru, G. Fundueanu, D. M. Suflet	Carbohydrate Polymers, 94, 889-898 (2013)
28. Chitosan as a matrix for biopolymer dispersed liquid crystal systems	L. Marin, M. C. Popescu, A. Zabulica, H. Uji-I, E. Fron L. Ghimici, M. Nichifor	Carbohydrate Polymers, 95, 16-24 (2013)
29. Separation of TiO <sub>2</sub> particles from water and water/methanol mixtures by cationic dextran derivatives	I. Bicu, F. Mustata	Carbohydrate Polymers, 98, 1637-1643 (2013)
30. Optimization of isolation of cellulose from orange peel using sodium hydroxyde and chelating agents	N. Tudorachi, A. Chiriac	Carbohydrate Polymers, 98, 451-459 (2013)
31. Obtaining of new magnetic nanocomposites based on modified polysaccharide	A. M. Gan, E. D. Butoi, A. Manea, V. Simion, D. Stan, M. M. Parvulescu, M. Calin, I. Manduteanu, M. Simionescu	Cell and Tissue Research, 35, 161-174 (2013)
32. Inflammatory effects of resistin on human smooth muscle cells: Up-regulation of fractalkine and its receptor, CX3CR1 expression by TLR-4 and Gi protein pathways	A. Sdrobis, O. Kylian, H. Biederman, C. Vasile	Cellulose, 20, 509-524 (2013)
33. Modification of cellulose/chitin mix fibers under different cold plasma conditions	A. I. Prisacaru, S. Grama, A. Durdureanu-Angheluta, M. Pinteala, N. Hurduc	Central European Journal of Chemistry, 11, 1431-1438 (2013)
34. Azo-polysiloxane micelles charged with nifedipine	F. Jitaru, T. Buruiana, G. Hitruc, E. C. Buruiana	Central European Journal of Chemistry, 11, 1492-1504 (2013)
35. Preparation and characterization of block copolymers containing cinnamate groups with end-capped ZnO	C. Racles, A. Nistor, M. Cazacu	Central European Journal of Chemistry, 11, 1689-1698 (2013)
36. A silica-silver nanocomposite obtained by sol-gel method in the presence of silver nanoparticles	I. Spiridon, C. B. Nechita, M. Niculaua, M. Silion, A. Armatu, C. A. Teaca, R. Bodirlau	Central European Journal of Chemistry, 11, 1699-1709 (2013)
37. Antioxidant and chemical properties of <i>Inula helenium</i> root extracts	M. Drobota, Z. Persin, L. Fras Zemejic, T. Mohan, K. Stana-Kleinschek, A. Doliska, M. Bracic, V. Ribitsch, V. Harabagiu, S. Coseri	Central European Journal of Chemistry, 11, 1786-1798 (2013)
38. Chemical modification and characterization of poly(ethylene terephthalate) surfaces for collagen immobilization	R. Bodirlau, C. A. Teaca, D. Rosu, L. Rosu, C. D. Varganici, A. Coroaba	Central European Journal of Chemistry, 11, 2098-2106 (2013)
39. Physico-chemical properties investigation of softwood surface after treatment with organic anhydride	M. V. Dinu, M. Cazacu, E. S. Dragan	Central European Journal of Chemistry, 11, 248-258
40. Mechanical, thermal and surface properties of polyacrylamide/dextran semi-interpenetrating		

network hydrogels tuned by the synthesis temperature		(2013)
41. Preparation and characterization of new hydrogels based on poly(vinyl alcohol)/phosphoester-chondroitin sulphate	T. Vlad-Bubulac, D. Serbezeanu, A. M. Oprea, I. D. Carja, C. Hamciuc, M. Cazacu	Central European Journal of Chemistry, 11, 446-456 (2013)
42. Characteristics of polyurethane-based sustained release membranes for drug delivery	M. Mindru, C. Ciobanu, S. Vlad, M. Butnaru, L. Lebrun, M. Popa	Central European Journal of Chemistry, 11, 542-553 (2013)
43. Transfer a protein pattern from self-assembled DNA origami to a functionalized substrate	K. Busuttil, A. Rotaru, M. Dong, F. Besenbacher, K. V. Gothelf	Chemical Communications, 49, 1927-1929 (2013)
44. Multilayer lectin-gluconanoparticles architectures for QCM enhanced detection of sugar-protein interaction	E. Mahon, Z. Mouline, M. Sillion, A. Gilles, M. Pinteala, M. Barboiu	Chemical Communications, 49, 3004-3006 (2013)
45. Chemical kinetic model for methylurea nitrosation reaction: Computer-aided solutions to inverse and direct problems	C. Cojocaru, G. Duca, M. Gonta	Chemical Engineering Journal, 217, 385-397 (2013)
46. Enhanced sorption of methylene blue aqueous solutions by semi-IPN composite cryogels with anionically modified potato starch entrapped in PAAm matrix	E. S. Dragan, D. F. Apopei Loghin	Chemical Engineering Journal, 234, 211-222 (2013)
47. Influence of the B-site cation nature on dielectric properties of $\text{Ca}_{2x}\text{BiO}_6$ ( $x=\text{Dy, Fe, Al}$ ) double perovskite	S. Feraru, P. Samoila, V. Nica, A. R. Iordan, M. N. Palamaru	Chemical Papers, 67, 1311-1316 (2013)
48. All-optical poling and second harmonic generation diagnostic of layer-by-layer assembled photoactive polyelectrolytes	G. Aldea-Nunzi, S. W. Chan, K. Y. K. Man, J. M. Nunzi	Chemical Physics, 420, 7-14 (2013)
49. Optimizing mechanical performance of nanostructured polyurethane elastomers and films	C. Prisacariu, S. Coseriu	Chemicke Listy, 107(Issue S1), 23-26 (2013)
50. Synthesis and anti-plasmodium activity of benzimidazole analogues structurally related to astemizole	G. Roman, I. E. Crandall, W. A. Szarek	ChemMedChem, 8, 1795-1804 (2013)
51. pH-sensitive multilayers based on maleic acid terpolymers with weak and strong acid moieties	D. M. Suflet, I. M. Pelin, D. Timpu, I. Popescu	Colloids and Surfaces A: Physicochemical and Engineering Aspects, 436, 113-122 (2013)
52. Synergistic behavior of poly(aspartic acid) and Pluronic F217 in aqueous solution as studied by viscometry and dynamic light scattering	L. E. Nita, A. Chiriac, M. Bercea, B. A. Wolf	Colloids and Surfaces B: Biointerfaces, 103, 544-549 (2013)
53. A comparative study on long-term MTX controlled release from intercalated nanocomposites for nanomedicine applications	I. F. Alexa, C. G. Pastravanu, M. Ignat, E. Popovici	Colloids and Surfaces B: Biointerfaces, 106, 135-139 (2013)
54. Influence of natural fibers on the properties of starch-based biocomposite films	R. Bodirlau, C. A. Teaca, I. Spiridon	Composites Part B: Engineering, 44, 575-583 (2013)
55. Effects of guar gum content on structure and properties of multi-crosslinked polyurethane composite	S. Oprea	Composites Part B: Engineering, 44, 76-83 (2013)
56. Miscibility studies of some semi-interpenetrating polymer networks based on an aromatic polyurethane and epoxy	C. D. Varganici, L. Rosu, D. Rosu, B. C. Simionescu	Composites Part B: Engineering, 50, 273-278 (2013)
57. Low density polyethylene-chitosan composites	C. Vasile, R. N. Darie,	Composites Part B:

	C. N. Cheaburu-Yilmaz, G. M. Pricope, M. Bracic, M. Pamfil, G. E. Hitruc, D. Duraccio F. Mustata, N. Tudorachi, I. Bicu	Engineering, 55, 314-323 (2013)
58. Thermosetting resins obtained via sequential photo and thermal crosslinking of epoxy resins. Curing kinetics, thermal properties and morphology	G. Bles, V. Le Saux, C. Castro-Lopez, B. Morvan, Y. Marco, C. Prisacariu	Composites Part B: Engineering, 55, 470-478 (2013)
59. Instrumented micro-hardness measurements used to identify the local visco-hyperelastic parameters of polyurethane elastomers	G. Bles, V. Le Saux, C. Castro-Lopez, B. Morvan, Y. Marco, C. Prisacariu	Constitutive Models for Rubber VIII-Proceedings of the 8th European Conference on Constitutive Models for Rubbers, ECCMR 2013, 25-28 June 2013, San Sebastian, Spain, 177-182 (2013)
60. Nonstoichiometric polyelectrolyte complexes versus polyanions as templates on $\text{CaCO}_3$ -based composite synthesis	M. Mihai, S. Schwarz, F. Simon	Crystal Growth and Design, 13, 3144-3153 (2013)
61. Calcium carbonate-magnetite-chondroitin sulfate composite microparticles with enhanced pH stability and superparamagnetic properties	M. Mihai, V. Socoliu, C. F. Doroftei, E. L. Ursu, M. Aflori, L. Vekas, B. C. Simionescu	Crystal Growth and Design, 13, 3535-3545 (2013)
62. Flexible linkers and dinuclear metallic nodes build up an original metal-organic framework	A. Vlad, M. F. Zaltarov, S. Shova, G. Novitchi, C. D. Varganici, C. Train, M. Cazacu A. Burlacu	CrystEngComm, 15, 5368-5375 (2013)
63. Tracking the mesenchymal stem cell fate after transplantation into the infarcted myocardium		Current Stem Cell Research & Therapy, 8, 284-291 (2013)
64. Stem cell regenerative potential combined with nanotechnology and tissue engineering for myocardial regeneration	M. Calin, D. Stan, V. Simion	Current Stem Cell Research & Therapy, 8, 292-303 (2013)
65. {Dy(alpha-fur)(3)}(n): from double relaxation single-ion magnet behavior to 3D ordering	E. Bartolome, J. Bartolome, S. Melnic, D. Prodius, S. Shova, A. Arauzo, J. Luzon, F. Luis, C. Turta	Dalton Transactions, 42, 10153-10171 (2013)
66. Hexanuclear and undecanuclear iron(III) carboxylates as catalyst precursors for cyclohexane oxidation	M. N. M. Milunovic, L. M. D. R. S. Martins, E. C. B. A. Alegría, A. J. L. Pombeiro, R. Krachler, G. Trettenhahn, C. Turta, S. Shova, V. B. Arion	Dalton Transactions, 42, 14388-14401 (2013)
67. Preparing and structuring of block copolymers with cinnamate and adamantane moieties	E. C. Buruiana, F. Jitaru, N. Olaru, T. Buruiana	Designed Monomers and Polymers, 16, 1-13 (2013)
68. Preparation and characterization of bismaleimide monomers with various structures	M. Sava	Designed Monomers and Polymers, 16, 14-24 (2013)
69. Synthesis and characterization of poly(siloxane-azomethine) iron (III) coordination compounds	C. Racles, M. Silion, A. Arvinte, M. Iacob, M. Cazacu S. Oprea, V. O.	Designed Monomers and Polymers, 16, 425-435 (2013)
70. The influence of the chemical structure on the		Designed Monomers and

	dielectric behavior of triazine derivative-based polyurethane-urea elastomers	Potolinca	Polymers, 16, 47-55 (2013)
71.	Synthesis of poly(naphthoylenebenzimidazole)s in a green supercritical liquid	N. M. Belomoina, E. G. Bulycheva, E. V. Neskreptova, L. N. Nikitin, M. Bruma A. Zabulica, M. Balan, D. Belei, M. Sava, B. C. Simionescu, L. Marin	Doklady Chemistry, 452, 250-253 (2013)
72.	Novel luminescent phenothiazine-based Schiff bases with tuned morphology. Synthesis, structure, photophysical and thermotropic characterization	M. Grigoras, L. Vacareanu, T. Ivan, A. M. Catargiu	Dyes and Pigments, 96, 686-698 (2013)
73.	Photophysical properties of isoelectronic oligomers with vinylene, imine, azine and ethynylene spacers bearing triphenylamine and carbazole end-groups	M. D. Damaceanu, C. P. Constantin, M. Bruma, M. Pinteala C. Vasile, G. Cazacu, R. P. Dumitriu, R. N. Darie, I. E. Raschip	Dyes and Pigments, 99, 228-239 (2013)
74.	Tuning of the color of the emitted light from new polyperyleneimides containing oxadiazole and siloxane moieties	M. D. Damaceanu, C. P. Constantin, M. Bruma, M. Pinteala C. Vasile, G. Cazacu, R. P. Dumitriu, R. N. Darie, I. E. Raschip	Ecosustainable Polymer Nanomaterials for Food Packaging: Innovative Solutions, Characterization, Needs, Safety and Environmental Issues, C. Silvestre, S. Cimmino, Eds., CRC Press, Boca Raton, FL, 169-193 (2013)
75.	Some aspects concerning the nanomaterials from renewable resources use in food packaging	M. D. Damaceanu, C. P. Constantin, M. Bruma, M. Pinteala C. Vasile, G. Cazacu, R. P. Dumitriu, R. N. Darie, I. E. Raschip	Ecosustainable Polymer Nanomaterials for Food Packaging: Innovative Solutions, Characterization, Needs, Safety and Environmental Issues, C. Silvestre, S. Cimmino, Eds., CRC Press, Boca Raton, FL, 169-193 (2013)
76.	Copper(II) complexes with Schiff bases containing a disiloxane unit: Synthesis, structure bonding features and catalytic activity for aerobic oxidation of benzyl alcohol	A. Soroceanu, M. Cazacu, S. Shova, C. Turta, J. Kozisek, M. Gall, M. Breza, P. Rapta, T. C. O. Mac Leod, A. J. L. Pombeiro, J. Telser, A. A. Dobrov, V. B. Arion I. M. Pelin, A. M. Trunfio-Sfarghiu, P. Farge, A. Piednoir, C. Pirat, S. M. M. Ramos E. A. Dragu, S. Nica, V. Tecuceanu, D. Bala, C. Mihailciuc, A. Hangani, A. C. Razus G. Fundueanu, M. Constantin, I. Asmarandei, S. Bucataru, V. Harabagiu, P. Ascenzi, B. C. Simionescu A. Georgescu, N. Alexandru, M. Nemecz, I. Titorencu, D. Popov	European Journal of Inorganic Chemistry, (9), 1458-1474 (2013)
77.	Multiscale characterization of partially demineralized superficial and deep dentin surfaces	A. Soroceanu, M. Cazacu, S. Shova, C. Turta, J. Kozisek, M. Gall, M. Breza, P. Rapta, T. C. O. Mac Leod, A. J. L. Pombeiro, J. Telser, A. A. Dobrov, V. B. Arion I. M. Pelin, A. M. Trunfio-Sfarghiu, P. Farge, A. Piednoir, C. Pirat, S. M. M. Ramos E. A. Dragu, S. Nica, V. Tecuceanu, D. Bala, C. Mihailciuc, A. Hangani, A. C. Razus G. Fundueanu, M. Constantin, I. Asmarandei, S. Bucataru, V. Harabagiu, P. Ascenzi, B. C. Simionescu A. Georgescu, N. Alexandru, M. Nemecz, I. Titorencu, D. Popov	European Journal of Oral Sciences, 121, 341-348 (2013)
78.	Synthesis and electrochemical properties of carbocyclic and heterocyclic diazulenylethenes	A. Soroceanu, M. Cazacu, S. Shova, C. Turta, J. Kozisek, M. Gall, M. Breza, P. Rapta, T. C. O. Mac Leod, A. J. L. Pombeiro, J. Telser, A. A. Dobrov, V. B. Arion I. M. Pelin, A. M. Trunfio-Sfarghiu, P. Farge, A. Piednoir, C. Pirat, S. M. M. Ramos E. A. Dragu, S. Nica, V. Tecuceanu, D. Bala, C. Mihailciuc, A. Hangani, A. C. Razus G. Fundueanu, M. Constantin, I. Asmarandei, S. Bucataru, V. Harabagiu, P. Ascenzi, B. C. Simionescu A. Georgescu, N. Alexandru, M. Nemecz, I. Titorencu, D. Popov	European Journal of Organic Chemistry, (29), 6601-6610 (2013)
79.	Poly(N-isopropylacrylamide-co-hydroxyethylacrylamide) thermosensitive microspheres: The size of microgels dictates the pulsable release mechanism	A. Soroceanu, M. Cazacu, S. Shova, C. Turta, J. Kozisek, M. Gall, M. Breza, P. Rapta, T. C. O. Mac Leod, A. J. L. Pombeiro, J. Telser, A. A. Dobrov, V. B. Arion I. M. Pelin, A. M. Trunfio-Sfarghiu, P. Farge, A. Piednoir, C. Pirat, S. M. M. Ramos E. A. Dragu, S. Nica, V. Tecuceanu, D. Bala, C. Mihailciuc, A. Hangani, A. C. Razus G. Fundueanu, M. Constantin, I. Asmarandei, S. Bucataru, V. Harabagiu, P. Ascenzi, B. C. Simionescu A. Georgescu, N. Alexandru, M. Nemecz, I. Titorencu, D. Popov	European Journal of Pharmaceutics and Biopharmaceutics, 85(3 Part A), 614-623 (2013)
80.	Irbesartan administration therapeutically influences circulating endothelial progenitor cell and microparticle mobilization by involvement of pro-inflammatory cytokines	A. Soroceanu, M. Cazacu, S. Shova, C. Turta, J. Kozisek, M. Gall, M. Breza, P. Rapta, T. C. O. Mac Leod, A. J. L. Pombeiro, J. Telser, A. A. Dobrov, V. B. Arion I. M. Pelin, A. M. Trunfio-Sfarghiu, P. Farge, A. Piednoir, C. Pirat, S. M. M. Ramos E. A. Dragu, S. Nica, V. Tecuceanu, D. Bala, C. Mihailciuc, A. Hangani, A. C. Razus G. Fundueanu, M. Constantin, I. Asmarandei, S. Bucataru, V. Harabagiu, P. Ascenzi, B. C. Simionescu A. Georgescu, N. Alexandru, M. Nemecz, I. Titorencu, D. Popov	European Journal of Pharmacology, 711, 27-35 (2013)
81.	Thermally reversible crosslinked poly(ether-urethane)s	C. Gaina, O. Ursache, V. Gaina, C. D. Varganici	eXPRESS Polymer Letters, 7, 636-650 (2013)

82. Morphological aspects of polymer fiber mats obtained by air flow rotary-jet spinning	T. Balau Mindru, L. Ignat, I. Balau Mindru, M. Pinteala	Fibers and Polymers, 14, 1526-1534 (2013)
83. Study of the nanostructuration capacity of some azopolymers with rigid or flexible chains	I. Sava, N. Hurduc, L. Sacarescu, I. Apostol, V. Damian	High Performance Polymers, 25, 13-24 (2013)
84. Synthesis and characterization of novel linear and crosslinked polyurethane urea elastomers with 2,3-diaminopyridine in the main chain	S. Oprea, V. O. Potolinca	High Performance Polymers, 25, 147-155 (2013)
85. Hydrodynamic and molecular characteristics of organosilane copolymers of low molecular weight	E. Tarabukina, A. Krasova, A. Filipov, L. Sacarescu, M. Simionescu, G. Sacarescu, M. Soroceanu, V. Harabagiu	High Performance Polymers, 25, 79-86 (2013)
86. The synthesis and properties of binary acrylate oligomer mixtures and their blends with different soybean oil contents	S. Oprea, V. O. Potolinca	High Performance Polymers, 25, 822-831 (2013)
87. Alternative route for obtaining NiFe <sub>2</sub> O <sub>4</sub> thin films by pulsed laser deposition	S. M. Stratulat, C. Ursu, O. F. Caltun	IEEE Transaction on Magnetics, 49, Article number 6392356, 22-25 (2013)
88. Synthesis and characterization of co-substituted ferrite nanocomposites	V. Nica, G. Daniel, C. Ursu, F. Tudorache, F. Brinza, A. Pui	IEEE Transaction on Magnetics, 49, Article number 6392396, 26-29 (2013)
89. HF plasma discharge for surface modification of cellulose-based materials	E. G. Ioanid, D. E. Rusu, M. C. Ursescu, M. Totolin, A. M. Vlad F. R. Mustata, N. Tudorachi, I. Bicu	IEEE Transaction on Plasma Science, 41, 3201-3206 (2013)
90. Biobased epoxy matrix from diglycidyl ether of bisphenol A and epoxidized corn oil, crosslinked with Diels-Alder adduct of levopimamic acid with acrylic acid		Industrial & Engineering Chemical Research, 52, 17099-17110 (2013)
91. Lignin modification with carboxylic acids and butyrolactone under cold plasma conditions	O. Chirila, M. Totolin, G. Cazacu, M. Dobromir, C. Vasile	Industrial & Engineering Chemistry Research, 52, 13264-13271 (2013)
92. Effect of hydroxypropyl-β-cyclodextrin on the solubility of an antiarrhythmic agent	O. M. Paduraru, A. Bosinceanu, G. Tantaru, C. Vasile	Industrial & Engineering Chemistry Research, 52, 2174-2181 (2013)
93. Effect of soft segment polydispersity on the elasticity of polyurethane elastomers	C. Prisacariu, E. Scortanu, S. Coseri, B. Agapie	Industrial & Engineering Chemistry Research, 52, 2316-2322 (2013)
94. Synthesis and characterization of a new thermoreversible polyurethane network	C. D. Varganici, O. Ursache, C. Gaina, V. Gaina, D. Rosu, B. C. Simionescu	Industrial & Engineering Chemistry Research, 52, 5287-5295 (2013)
95. Nanostructures of cellulose acetate phthalate obtained by electrospinning from 2-methoxyethanol-containing solvent systems: Morphological aspects, thermal behavior and antimicrobial activity	N. Olaru, L. Olaru, N. Tudorachi, S. Dunca, M. Pintilie	Industrial & Engineering Chemistry Research, 52, 696-705 (2013)
96. Immobilization of water-soluble 6-carboxylcellulose on poly(ethylene terephthalate) films monitored by a quartz crystal microbalance with dissipation	S. Coseri, A. Doliska, K. Stana Kleinschek	Industrial & Engineering Chemistry Research, 52, 7439-7444 (2013)

97. Influence of keration on polylactic acid/chitosan composite properties. Behavior upon accelerating weathering  
I. Spiridon, O. M. Paduraru, M. F. Zaltaroiov, R. N. Darie S. F. Patachia, M. T. Nistor, C. Vasile Industrial & Engineering Chemistry Research, 52, 9822-9833 (2013)
98. Thermal behavior of some wood species treated with ionic liquid  
M. G. Alexandru, D. Visinescu, S. Shova, F. Lloret, M. Julve, M. Andruh Inorganic Chemistry, 52, 11627-11637 (2013)
99. Two-dimensional coordination polymers constructed by [Ni II Ln III] nodes and [W IV (bpg)(CN)<sub>6</sub>]<sub>2</sub>- spacers: A network of [Ni II Dy III] single molecule magnets  
V. B. Arion, S. Platzer, P. Raptă, P. Machata, M. Breza, D. Vegh, L. Dunsch, J. Telser, S. Shova, T. C. O. Mac Leod, A. J. L. Pombeiro D. Macocinschi, D. Filip, S. Vlad, M. Butnaru, L. Knieling Inorganic Chemistry, 52, 7524-7546 (2013)
100. Marked stabilization of redox states and enhanced catalytic activity in gallactose oxidase models based on transition metal S-methylisothiosemicarbazones with - SR group in ortho position of the phenolic oxygen  
I. E. Raschip, G. E. Hitruc, C. Vasile, M. C. Popescu International Journal of Biological Macromolecules, 52, 32-37 (2013)
101. Evaluation of polyurethane based on cellulose derivative-ketoprofen biosystem for implant biomedical devices  
A. Fifere, N. Marangoci, M. Pinteala, B. C. Simionescu M. Murariu International Journal of Chemical Modeling, 5, 29-42 (2013)
102. Effect of the lignin type on the morphology and thermal properties of xanthan/lignin hydrogels  
M. T. Nistor, A. P. Chiriac, L. E. Nita, C. Vasile International Journal of Mass Spectrometry, 351, 12-22 (2013)
103. Theoretical investigation on inclusion compounds with protonated sulconazole by semiempirical AM1 and PM3 calculations  
M. T. Nistor, A. P. Chiriac, L. E. Nita, C. Vasile International Journal of Pharmaceutics, 452, 92-101 (2013)
104. ESI-MS study of self-assembly-formed tetraglycine macrocyclic ligand complex of Cu(II)  
A. P. Chiriac, L. E. Nita, M. T. Nistor, L. Tartau International Journal of Pharmaceutics, 456, 21-30 (2013)
105. Characterization of the semi-interpenetrating network based on collagen and poly(N-isopropyl acrylamide-co-diethylene glycol diacrylate)  
C. Prisacariu, E. Scortanu, S. Coseri, B. Agapie International Journal of Polymer Analysis and Characterization, 18, 154-161 (2013)
106. Multilayered structure based on poly(N,N-dimethyl-acrylamide-co-3,9-divinyl-2,4,8,10-tetraoxaspiro (5,5) undecane) prepared in a multiphase gelation process  
A. D. Bendrea, L. Cianga, E. G. Hitruc, I. Cianga International Journal of Polymer Analysis and Characterization, 18, 189-198 (2013)
107. Characterization of shape-memory trifunctionally crosslinked polyurethanes with varying hard and soft segments  
R. N. Darie, R. Bodirlau, C. A. Teaca, J. Macyszyn, M. Kozlowski, I. Spiridon T. Ivan, L. Vacareanu, M. Grigoras International Journal of Polymer Analysis and Characterization, 18, 315-327 (2013)
108. Synthesis and characterization of fluorescent, nonionic, water self-dispersible oligothiophenes  
M. T. Nistor, C. Vasile International Journal of Polymeric Materials and Polymeric Biomaterials, 62, 270-276 (2013)
109. Influence of accelerated weathering on the properties of polypropylene/polylactic acid/eucaliptus wood composites  
Iranian Polymer Journal, 22, 519-536 (2013)
110. Synthesis of poly(arylene vinylene)s containing carbazole, triphenylamine and phenothiazine rings in the backbone by cascade Suzuki-Heck reactions  
M. T. Nistor, C. Vasile
111. TG/FTIR/MS study on the influence of nanoparticles content upon the thermal

decomposition of starch/poly(vinyl alcohol) montmorillonite nanocomposites		
112.Grafted polytriphenylamines synthesized by atom transfer radical polymerization in tandem with oxidative polycondensation	O. I. Negru, M. Grigoras	Iranian Polymer Journal, 22, 641-651 (2013)
113.The thermal stability of some semi-interpenetrated polymer networks based on epoxy resin and aromatic polyurethane	D. Rosu, L. Rosu, C. D. Varganici	Journal of Analytical and Applied Pyrolysis, 100, 103-110 (2013)
114.Thermal degradation of various lignins by TG-MS/FTIR and Py-GC-MS	M. Brebu, T. Tamminen, I. Spiridon	Journal of Analytical and Applied Pyrolysis, 104, 531-539 (2013)
115.Thermal stability on some cryogels based on poly(vinyl alcohol) and cellulose	C. D. Varganici, O. M. Paduraru, L. Rosu, D. Rosu, B. C. Simionescu	Journal of Analytical and Applied Pyrolysis, 104, 77-83 (2013)
116.Calcium carbonate microparticle templates using a PHOS-b-PMAA double hydrophilic copolymer	M. Mihai, G. Mountrichas, S. Pispas, I. Stoica, M. Aflori, M. auf der Landwehr, I. Neda, S. Schwartz	Journal of Applied Crystallography, 46, 1455-1466 (2013)
117.Dynamics control of the complex systems via nondifferentiability	C. Nejneru, A. Nicuta, B. Constantin, R. Manea, M. Teodorescu, M. Agop	Journal of Applied Mathematics, 2013, Article number 137056/1-12 (2013)
118.Effect of cinnamate comonomers on the dental formulation properties	E. C. Buruiana, F. Jitaru, V. Melinte, T. Buruiana	Journal of Applied Polymer Science, 127, 2442-2452 (2013)
119.Molecular composites obtained by polyaniline synthesis in the presence of p-octasulfonated calixarene macrocycle	M. Grigoras, A. M. Catargiu, F. Tudorache	Journal of Applied Polymer Science, 127, 2796-2802 (2013)
120.Thermoreponsive sodium alginate-g-poly(N-isopropylacrylamide) copolymers III. Solution properties	C. N. Cheaburu, O. N. Ciocoiu, G. Staikos, C. Vasile	Journal of Applied Polymer Science, 127, 3340-3348 (2013)
121.Evaluation of a functionalized copolymer as adsorbent on direct dyes removal process: Kinetics and equilibrium studies	S. G. Muntean, O. Paska, S. Coseri, G. M. Simu, M. E. Grad, G. Ilia	Journal of Applied Polymer Science, 127, 4409-4421 (2013)
122.Effect of pyridazine content and crosslinker structure on the properties of polyurethane elastomers	S. Oprea	Journal of Applied Polymer Science, 128, 3974-3981 (2013)
123.Influence if triphenylphosphonium pendant groups on the rheological and morphological properties of new quaternized polysulfone	L. I. Buruiana, E. Avram, A. Popa, I. Stoica, S. Ioan	Journal of Applied Polymer Science, 129, 1752-1762 (2013)
124.Properties of crosslinked polyurethanes obtained by acrylic side-group polymerization and of their blends with various plant oils	S. Oprea	Journal of Applied Polymer Science, 129, 3640-3649 (2013)
125.Stability of a chitosan layer deposited onto a polyethylene surface	E. Paslaru, L. Fras Zemljic, M. Bracic, A. Vesel, I. Petrinic, C. Vasile	Journal of Applied Polymer Science, 130, 2444-2457 (2013)
126.Biocompatibility, biodegradability, and drug carrier ability of hybrid collagen-based hydrogel nanocomposites	M. T. Nistor, C. Vasile, A. P. Chiriac, L. Tartau	Journal of Bioactive and Compatible Polymers, 28, 540-556 (2013)
127.Natural fibres/polyolefins composites I. UV and electron beam irradiation	A. Moldovan, S. Patachia, C. Vasile, R. Darie, E. Manaila, M. Tielean	Journal of Biobased Materials and Bioenergy, 7, 58-79 (2013)

128.Evaluation of the controlled release ability of theophylline from xanthan/chondroitin sulfate hydrogels	A. M. Oprea, M. T. Nistor, L. Profire, M. I. Popa, C. E. Lupusoru, C. Vasile L. E. Nita, A. P. Chiriac, M. Nistor, T. Budtova	Journal of Biomaterials and Nanobiotechnology, 4, 123-131 (2013) Journal of Biomaterials and Nanobiotechnology, 4, 357-364 (2013)
129.Upon the delivery properties of a polymeric system based on poly(2-hydroxyethyl methacrylate) prepared with protective colloids		
130.The thermosensitivity of pH/thermoresponsive microspheres activated by the electrostatic interaction of pH-sensitive units with a bioactive compound	G. Fundueanu, M. Constantin, I. Asmarandei, V. Harabagiu, P. Ascenzi, B. C. Simionescu B. C. Simionescu, A. Neamtu, C. Balhui, M. Danciu, D. Ivanov, G. David A. Soroceanu, S. Shova, M. Cazacu, I. Balan, N. Gorinchoy, C. Turta	Journal of Biomedical Materials Research Part A, 101A, 1661-1669 (2013)
131.Macroporous structures based on biodegradable polymers - candidates for biomedical application	B. C. Simionescu, A. Neamtu, C. Balhui, M. Danciu, D. Ivanov, G. David A. Soroceanu, S. Shova, M. Cazacu, I. Balan, N. Gorinchoy, C. Turta	Journal of Biomedical Materials Research Part A, 101A, 2689-2698 (2013)
132.Synthesis and structural characterization of mononuclear cobalt(II) complex: {5,5'-Dihydroxy-2,2'-[o-phenylene-bis(nitrilomethylene)]diphenolato}cobalt(II) dihydrate	A. Soroceanu, S. Shova, M. Cazacu, I. Balan, N. Gorinchoy, C. Turta	Journal of Chemical Crystallography, 43, 310-318 (2013)
133.Preparation of amphiphilic block copolymer containing triazene moieties and fluorescence study	E. C. Buruiana, A. L. Chibac, V. Melinte, T. Buruiana M. I. Popa, S. Pernevan, C. Sirghie, I. Spiridon, D. Chambre, D. M. Copolovici, N. Popa	Journal of Chemical Sciences, 125, 193-202 (2013)
134.Mechanical properties and weathering behavior of poplypropylene-hemp shives composites	I. Spiridon, R. N. Darie, R. Bodirlau, C. A. Teaca, F. Doroftei L. M. Popescu, C. F. Rusti, R. M. Piticescu, T. Buruiana, T. Valero, S. Kintzios	Journal of Chemistry, 2013, Article No. 343068/1-8 (2013)
135.Polypropylene-based composites reinforced by toluene diisocyanate modified wood	I. Spiridon, R. N. Darie, R. Bodirlau, C. A. Teaca, F. Doroftei L. M. Popescu, C. F. Rusti, R. M. Piticescu, T. Buruiana, T. Valero, S. Kintzios	Journal of Composite Materials, 47, 3451-3464 (2013)
136.Synthesis and characterization of acid polyurethane-hydroxyapatite composites for biomedical applications	I. M. Pelin, I. Popescu, D. M. Suflet, M. Aflori, V. Bulacovschi S. Oprea, V. Oprea	Journal of Composite Materials, 47, 603-612 (2013)
137.Influence of maleic acid copolymers on calcium orthophosphates crystallization at low temperature	I. M. Pelin, I. Popescu, D. M. Suflet, M. Aflori, V. Bulacovschi S. Oprea, V. Oprea	Journal of Crystal Growth, 377, 127-135 (2013)
138.Synthesis and characterization of the crosslinked polyurethane-gum arabic blends obtained by multiacrylates crosslinking polymerization	I. M. Simion, M. E. Fortuna, A. Bonoli, M. Gavrilescu	Journal of Elastomers and Plastics, 45, 564-576 (2013)
139.Comparing environmental impacts of natural inert and recycled construction and demolition waste processing using LCA	C. Prisacariu, E. Scortanu, B. Agapie	Journal of Environmental Engineering and Landscape Management, 21, 273-287 (2013)
140.Effect of the hydrogen bonding on the inelasticity of thermoplastic polyurethane elastomers	L. Sacarescu, M. Simionescu, G. Sacarescu, V. Harabagiu M. Sava, M. Nechifor	Journal of Industrial and Engineering Chemistry, 19, 113-119 (2013)
141.Polyhydrosilane mediated synthesis of one-dimensional gold nanostructures	L. Sacarescu, M. Simionescu, G. Sacarescu, V. Harabagiu M. Sava, M. Nechifor	Journal of Inorganic and Organometallic Polymers and Materials, 23, 621-628 (2013)
142.New structures of bismaleimides and	M. Sava, M. Nechifor	Journal of

	polyaspartimides with ether units	Macromolecular Science, Part A: Pure and Applied Chemistry, 50, 36-45 (2013)
143.	Impact of association phenomena on the thermodynamic properties of modified polysulfones in solution	A. Filimon, R. M. Albu, E. Avram, S. Ivan
144.	The role of the magnetically induced anisotropy of the pair correlation function in the dichroism of magnetic fluids	V. Socoliu, L. B. Popescu
145.	Antifungal vanilin-imino-chitosan biodynameric films	L. Marin, I. Stoica, M. Mares, V. Dinu, B. C. Simionescu, M. Barboiu
146.	Polythiophene-g-poly(ethylene glycol) graft copolymers for electroactive scaffolds	A. D. Bendrea, G. Fabregat, J. Torras, S. Maione, L. Cianga, L. J. Del Valle, I. Cianga, C. Aleman
147.	Structure and gas sensing properties of nanocrystalline Fe-doped ZnO films prepared by spin coating method	A. P. Rambu, C. Doroftei, L. Ursu, F. Iacomi
148.	Effect of DOPO units and of polydimethylsiloxane segments on the properties of epoxy resins	C. Hamciuc, D. Serbezeanu, I. D. Carja, T. Vlad-Bubulac, V. E. Musteata, V. Forrat Perez, C. Guillem Lopez, A. M. Lopez Buendia
149.	Recent advances in synthesis, characterization of hydroxyapatite/polyurethane composites and study of their biocompatible properties	L. M. Popescu, R. M. Piticescu, A. Antonelli, C. F. Rusti, E. Carboni, C. Sfara, M. Magnani, V. Badilita, E. Vasile, R. Trusca, T. Buruiana
150.	Investigations of preferential solvation on some poly(siloxane-azomethine)s containing dihydroxyanthraquinone units	A. Airinei, M. Homocianu, A. Vlad, M. Cazacu
151.	Structural modifications of <i>Tilia cordata</i> wood during heat treatment investigated by FT-IR and 2D IR correlation	M. C. Popescu, J. Froidevaux, P. Navi, C. M. Popescu
152.	Molecular structure and electronic properties of pyridylindolizine derivative containing phenyl and phenacyl groups: Comparison between semiempirical calculations and experimental studies	C. Cojocaru, A. Rotaru, V. Harabagiu, L. Sacarescu
153.	The interaction of fluorescent DPH probes with unsaturated phospholipid membranes: A molecular dynamics study	I. Hurjui, A. Neamtu, D. O. Dorohoi
154.	Comparative study of laser induced breakdown spectroscopy and mass spectrometry for the analysis of cultural heritage materials	O. Kokkinaki, C. Mihesan, M. Velegakis, D. Anglos
155.	Transparency and absorption edges of disiloxane modified copolyimides	A. I. Barzic, I. Stoica, N. Fifere, M. Dobromir, C. Hulubei, D. O. Dorohoi,

156.	Spectral studies of Donepezil release from stretched PVA polymer films	V. Harabagiu C. D. Nechifor, C. B. Zelinschi, I. Stoica, V. Closca, D. O. Dorohoi V. Tudor, T. Mocanu, F. Tuna, A. M. Madalan, C. Maxim, S. Shova, M. Andruh L. Marin, V. Harabagiu, A. van der Lee, A. Arvinte, M. Barboiu E. C. Buruiana, A. L. Chibac, T. Buruiana, V. Melinte, L. Balan	Journal of Molecular Structure, 1044, 262-267 (2013) Journal of Molecular Structure, 1046, 164-170 (2013) Journal of Molecular Structure, 1049, 377-385 (2013) Journal of Nanoparticle Research, 15, Article Number 1335/1-19 (2013)
157.	Mixed ligand binuclear alkoxo-bridged copper(II) complexes derived from aminoalcohols and nitrogen ligands		
158.	Structure-directed functional properties of symmetrical and unsymmetrical Br-substituted Schiff-bases		
159.	A benzophenone-bearing acid oligodimethacrylate and its application to the preparation of silver/gold nanoparticles/polymer nanocomposites		
160.	Characterization by Fourier transform infrared spectroscopy (FT-IR) and 2D IR correlation spectroscopy of a carbosilane dendrimer with peripheral ammonium groups	M. C. Popescu, R. Gomez, F. J. de la Mata, B. Rasines, B. C. Simionescu	Journal of Nanoparticle Research, 15, Article Number 1713/1-14 (2013)
161.	Thermal stability of second generation carbosilane dendrimers with peripheral ammonia groups	M. C. Popescu, R. Gomez, F. J. de la Mata, B. Rasines, B. C. Simionescu	Journal of Nanoparticle Research, 15, Article Number 2009/1-11 (2013)
162.	Development of curcumin-loaded poly(hydroxybutyrate-co-hydroxyvalerate) nanoparticles as anti-inflammatory carriers to human-activated endothelial cells	V. Simion, D. Stan, A. M. Gan, M. M. Pirvulescu, E. Butoi, I. Manduteanu, M. Deleanu, E. Andrei, A. Durdureanu-Angheluta, M. Bota, M. Enachescu, M. Calin, M. Simionescu	Journal of Nanoparticle Research, 15, Article Number 2108/1-15 (2013)
163.	Semi-interpenetrating polymer networks based on polyacrylamide and starch or modified starch	D. F. Apopei, E. S. Dragan	Journal of Nanostructured Polymers and Nanocomposites, 9, 16-20 (2013)
164.	Unexpected formation of N-(1-(2-arylhydrazono)isoindolin-2-yl)benzamides and their conversion into 1,3-(bis-1,3,4-oxadiazol-2-yl)benzenes	C. C. Paraschivescu, M. Matache, C. Drobota, A. Nicolescu, C. Maxim, C. Deleanu, I. C. Farcasanu, N. D. Hadade	Journal of Organic Chemistry, 78, 2670-2679 (2013)
165.	Collision-induced dissociation studies on Fe(O <sub>2</sub> ) <sub>n</sub> (+) (n=1-6) clusters: Application of a new technique based on crossed molecular beams	M. Velegakis, C. Mihesan, M. Jadraque	Journal of Physical Chemistry A, 117, 2891-2898 (2013)
166.	Effect of the chemical structure of aromatic-cycloaliphatic copolyimide films on their surface morphology, relaxation behavior and dielectric properties	S. Chisca, V. E. Musteata, I. Stoica, I. Sava, M. Bruma	Journal of Polymer Research, 20, Article 111/1-11 (2013)
167.	Morphological effects on transparency and absorption edges of some semi-alicyclic polyimides	A. I. Barzic, I. Stoica, N. Fifere, C. D. Vlad, C. Hulubei	Journal of Polymer Research, 20, Article 130/1-8 (2013)
168.	Dielectric behavior of polyurethane and polyurethane-urea elastomers with pyridine moieties in the main chain	V. O. Potolinca, E. Buruiana, S. Oprea	Journal of Polymer Research, 20, Article 237/1-9 (2013)

169.High performance thermosets based on multifunctional intermediates containing allyl, maleimide and benzoxazine groups	C. Gaina, O. Ursache, V. Gaina, V. E. Musteata	Journal of Polymer Research, 20, Article 263/1-11 (2013)
170.Morphological and swelling properties of porous hydrogels based on poly(hydroxyethyl methacrylate) and chitosan modulated by ice-templating process and porogen leaching	M. V. Dinu, M. Pradny, E. S. Dragan, J. Michalek	Journal of Polymer Research, 20, Article 285/1-10 (2013)
171.Thermo-and pH-sensitive interpenetrating poly(N-isopropylacrylamide)/carboxymethyl pullulan network for drug delivery	I. Asmarandei, G. Fundueanu, M. Cristea, V. Harabagiu, M. Constantin	Journal of Polymer Research, 20, Article 293/1-13 (2013)
172.Evaluation of thermal and mechanical behavior of some anionic polyesteramide copolymers	G. Rusu, E. Rusu	Journal of Polymer Research, 20, Article 308/1-13 (2013)
173.Structure-property correlation of bromine substitution in polyimides	I. Bacosca, M. Bruma, T. Koepnik, B. Schulz	Journal of Polymer Research, 20, Article 53, 1-14 (2013)
174.Semi-interpenetrated polymer network of hyaluronic acid modified by poly(aspartic acid)	M. T. Nistor, A. P. Chiriac, L. E. Nita, C. Vasile, M. Bercea	Journal of Polymer Research, 20, Article 86, 1-11 (2013)
175.Silica nanoparticles surface coating by layer-by-layer or polyelectrolyte complex adsorption	M. Mihai, S. Schwarz, A. Janke, C. A. Gheorghita, E. S. Dragan	Journal of Polymer Research, 20, Article 89, 1-9 (2013)
176.Synthesis and electro-optical properties of polyfluorenes modified with randomly distributed electron-donor and rotaxane electron-acceptor structural units in the main chain	A. Farcas, S. Janietz, V. Harabagiu, P. Guegan, P. H. Aubert	Journal of Polymer Science, Part A: Polymer Chemistry, 51, 1672-1683 (2013)
177.Poly(lactic acid)-co-aspartic acid copolymers: Possible utilization in drug delivery systems	N. Tudorachi, R. Lipsa, C. Vasile, F. Mustata	Journal of Polymers and the Environment, 21, 1064-1071 (2013)
178.Behavior of cellulose reinforced crosslinked starch composite films made with tartaric acid modified starch microparticles	I. Spiridon, C. A. Teaca, R. Bodirlau, M. Bercea	Journal of Polymers and the Environment, 21, 431-440 (2013)
179.Novel environmentally friendly copolymers carboxymethyl starch grafted poly(lactic acid)	R. Lipsa, N. Tudorachi, C. Vasile, A. Chiriac, A. Grigoras	Journal of Polymers and the Environment, 21, 461-471 (2013)
180.Novel glycopolymers based on D-mannose and methacrylates: Synthesis, thermal stability and biodegradability testing	A. M. Pana, L. M. Stefan, G. Bandur, P. Stirloaga, V. Gherman, M. Silion, M. Popa, L. M. Rusnac	Journal of Polymers and the Environment, 21, 981-994 (2013)
181.Effect of long-term and short-term dynamic mechanical evaluation of networks based on urethane and soybean oil	M. Cristea, D. Ionita, F. Doroftei, B. C. Simionescu	Journal of the Mechanical Behavior of Biomedical Materials, 17, 317-326 (2013)
182.Composition, and antioxidant and antimicrobial activities of the essential oils of a full-grown <i>Pinus cembra</i> L. tree from the Calimani mountains (Romania)	C. L. Apetrei, A. Spac, M. Brebu, C. Tuchilus, A. Miron	Journal of the Serbian Chemical Society, 78, 27-37 (2013)
183.Studies on new hybrid materials prepared by both Diels-Alder and Michael addition reactions	C. D. Varganici, O. Ursache, C. Gaina, V. Gaina, B. C. Simionescu	Journal of Thermal Analysis and Calorimetry, 111, 1561-1570 (2013)
184.Influence of the nanoparticle type on the	M. T. Nistor, C. Vasile	Journal of Thermal

thermal decomposition of the green starch/poly(vinyl alcohol)/montmorillonite nanocomposites		Analysis and Calorimetry, 111, 1903-1919 (2013)
185.Dermal cells distribution on laser-structured ormosils	L. E. Sima, E. C. Buruiana, T. Buruiana, A. Matei, G. Epurescu, M. Zamfirescu, A. Moldovan, S. M. Petrescu, M. Dinescu I. Rosca, I. Gherghel, A. Strugariu, S. R. Zamfirescu	Journal of Tissue Engineering and Regenerative Medicine, 7, 129-138 (2013)
186.Feeding ecology of two newt species ( <i>Triturus cristatus</i> and <i>Lissotriton vulgaris</i> ) during the reproduction season	G. Bai, Y. Wang, M. Nichifor, M. Bastos	Knowledge and Management of Aquatic Ecosystems, 408, Article number 05/1-5 (2013) Langmuir, 29, 13258-13268
187.Critical role of the degree of substitution in the interaction of biocompatible cholic acid-modified dextrans with phosphatidylcholine liposomes	I. Butnaru, M. Bruma, T. Kopnick, J. Stumpe	Macromolecular Chemistry and Physics, 214, 2454-2464 (2013)
188.Influence of chemical structure on the refractive index of imide-type polymers	L. Vacareanu, T. Ivan, M. Grigoras	Macromolecular Research, 21, 1059-1068 (2013)
189.Metal complexation of aromatic oligoazomethines bearing cyano groups: An optical and electrochemical study	C. N. Marin, P. C. Fannin, K. Raj, V. Socoliuc	Magnetohydrodynamics, 49, 270-276 (2013)
190.Magneto-dielectric spectroscopy of magnetic fluids	S. Feraru, P. Samoilă, A. I. Borhan, M. Ignat, A. R. Iordan, M. N. Palamaru	Materials Characterization, 84, 112-119 (2013)
191.Synthesis, characterization of double perovskite $\text{Ca}_2\text{MSbO}_6$ ( $\text{M}=\text{Dy, Fe, Cr, Al}$ ) materials via sol-gel auto-combustion and their catalytic properties	B. C. Simionescu, I. E. Bordianu, N. Tudorachi, C. Cotofana, L. Ursu, A. Coroaba, M. Drobota, M. Olaru	Materials Chemistry and Physics, 139, 719-733 (2013)
192.Effects of chemical structure and chain end groups on the thermal stability of new silsesquioxanes with methacrylate and/or vinyl units	M. Aflori, M. Drobota, D. G. Dimitriu, I. Stoica, B. Simionescu, V. Harabagiu	Materials Science and Engineering B: Solid State Materials for Advanced Technology, 178, 1303-1310 (2013)
193.Collagen immobilization on polyethylene terephthalate surface after helium plasma treatment	M. Aflori, B. Simionescu, I. E. Bordianu, L. Sacarescu, C. D. Varganici, F. Doroftei, A. Nicolescu, M. Olaru	Materials Science and Engineering B: Solid State Materials for Advanced Technology, 178, 1339-1346 (2013)
194.Silsesquioxane-based hybrid nanocomposites with methacrylate units containing titania and/or silver nanoparticles as antibacterial, antifungal coatings for monumental stones	G. Mocanu, M. Nichifor, D. Mihai, L. C. Oproiu	Materials Science and Engineering: C - Materials for Biological Applications, 33, 72-77 (2013)
195.Bioactive cotton fabrics containing chitosan and biologically active substances extracted from plants	M. E. Fortuna, M. Harja, D. Bucur, S. M. Cimpeanu	Materials, 6, 4532-4544 (2013)
196.Obtaining and utilizing cellulose fibers with in-situ loading as an additive for printing paper	E. G. Ioanid, A. Ioanid, B. T. Goras, L. Goras	Measurement, 46, 2569-2576 (2013)
197.Assessment of the cleaning effect of HF cold plasma by statistical processing of		

	photographic image	
198.	Statistical analysis on morphology development of some semialycyclic polyimides using atomic force microscopy	I. Stoica, A. I. Barzic, C. Hulubei, D. Timpu Microscopy Research and Technique, 76, 503-513 (2013)
199.	An atomic force microscopy statistical analysis of laser-induced azo-polyimide periodic tridimensional nanogrooves	I. Stoica, L. Epure, I. Sava, V. Damian, N. Hurduc Microscopy Research and Technique, 76, 914-923 (2013)
200.	Advances in the chemistry of Mannich bases of thiophenes and furans	G. Roman Mini-Reviews in Organic Chemistry, 10, 27-39 (2013)
201.	Synthesis and biological evaluation of new 2-azetidinones with sulfonamide structures	O. M. Dragostin, F. Lupascu, C. Vasile, M. Mares, V. Nastasa, R. F. Moraru, D. Pieptu, L. Profire Molecules, 18, 4140-4157 (2013)
202.	Synthesis of (-)-albrassitriol and (-)-6-epi-albrassitriol from (+)-larixol	P. F. Vlad, A. Ciocarlan, M. Coltsa, C. Edu, A. Biriac, A. Barba, C. Deleanu, A. Nicolescu, M. D'Ambrosio, A. de Groot Natural Products Research, 27, 809-817 (2013)
203.	Preparation and characterization of PbTiO <sub>3</sub> - epoxy resin compositionally graded thick films	V. Pascariu, O. Avadanei, P. Gasner, I. Stoica, A. P. Reverberi, L. Mitoseriu Phase Transitions, 86, 715-725 (2013)
204.	Chemically polymerization mechanism of aromatic compounds under atmospheric pressure plasma conditions	M. Asandulesa, I. Topala, V. Pohoata, Y. M. Legrand, M. Dobromir, M. Totolin, N. Dumitrascu Plasma Processes and Polymers, 10, 469-480 (2013)
205.	Surface modification of the polyimide films by electrical discharges in water	C. Miron, I. Sava, I. Jepu, P. Osiceanu, C. P. Lungu, L. Sacarescu, V. Harabagiu Plasma Processes and Polymers, 10, 798-807 (2013)
206.	Experimental and theoretical investigations of plasma multiple double layers and their evolution to chaos	D. G. Dimitriu, M. Aflori, L. M. Ivan, V. Radu, E. Poll, M. Agop Plasma Sources Science and Technology, 22, Article number 035007 (2013)
207.	Circulating endothelial progenitor cell and platelet microparticle impact on platelet activation in hypertension associated with hypercholesterolemia	N. Alexandru, D. Popov, E. Dragan, E. Andrei, A. Georgescu PLOS ONE, 8, Article number 52058 (2013)
208.	Cu(II) and Ni(II) complexes with a tri-, tetra- or hexadentate triethanolamine ligand: Structural characterization and properties	A. M. C. Dumitriu, M. Cazacu, A. Bargan, S. Shova, C. Turta Polyhedron, 50, 255-263 (2013)
209.	Synthesis, characterization and crystal structures of nikel(II), palladium(II) and copper(II) complexes with 2-furaldehyde-4-phenylthiosemicarbazone	D. C. Ilies, E. Pahontu, S. Shova, A. Gulea, T. Rosu Polyhedron, 51, 307-315 (2013)
210.	Synthesis, crystal structure and magnetic properties of a new [ZnII6DyIII6] dodecanuclear motif	A. S. Dinca, J. Vallejo, S. Shova, F. Lloret, M. Julve, M. Andruh Polyhedron, 65, 238-243 (2013)
211.	An insight on the effect of rubbing textile fiber on morphology of some semi-alicyclic	A. I. Barzic, I. Stoica, D. Popovici, S. Vlad, V. Polymer Bulletin, 70, 1553-1574 (2013)

	polyimides for liquid crystal orientation		
212.	Structure-rheology relationship in complex quaternized polysulfones/solvent/nonsolvent systems	Cozan, C. Hulubei A. Filimon, E. Avram, S. Ioan	Polymer Bulletin, 70, 1835-1851 (2013)
213.	Synthesis, characterization, and Ni(II) ion sorption properties of poly(styrene-co-divinylbenzene) functionalized with aminophosphonic acid groups	C. M. Davidescu, M. Cioperc, A. Negrea, A. Popa, L. Lupa, E. S. Dragan, R. Ardelean, G. Ilia, S. Iliescu S. Ioan, A. Filimon, C. Hulubei, I. Stoica, S. Dunca	Polymer Bulletin, 70, 277-291 (2013)
214.	Origin of rheological behavior and surface/interfacial properties of some semi-alicyclic polyimides for biomedical applications		Polymer Bulletin, 70, 2873-2893 (2013)
215.	Hybrid materials consisting of an all-conjugated polythiophene backbone and grafted hydrophilic poly(ethylene glycol) chains	A. D. Bendrea, G. Fabregat, L. Cianga, F. Estrany, L. J. Del Valle, I. Cianga, C. Aleman S. Oprea, P. Gradinariu, A. Joga, V. Oprea C. M. Popescu, C. A. S. Hill	Polymer Chemistry, 4, 2709-2723 (2013)
216.	Synthesis, structure and fungal resistance of sulfadiazine-based polyurethane ureas		Polymer Degradation and Stability, 98, 1481-1488 (2013)
217.	The water-vapor adsorption-desorption behaviour of naturally aged <i>Tilia cordata</i> Mill. Wood		Polymer Degradation and Stability, 98, 1804-1813 (2013)
218.	Thermal behaviour of binary and ternary copolymers containing acrylonitrile	B. S. Munteanu, M. Brebu, C. Vasile	Polymer Degradation and Stability, 98, 1889-1897 (2013)
219.	Assessment of historic <i>Tilia cordata</i> wood by solid-state $^{13}\text{C}$ CPMAS NMR spectrometry	C. M. Popescu, D. E. Demco, M. Moller	Polymer Degradation and Stability, 98, 2730-2734 (2013)
220.	Thermal and surface characteristics of some $\beta$ -cyclodextrin-based side-chain azo amphiphilic polyurethanes	D. Filip, D. Macocinschi, L. M. Gradinaru	Polymer Degradation and Stability, 98, 951-957 (2013)
221.	Semi-interpenetrated network with improved sensitivity based on poly(N-isopropylacrylamide) and poly(aspartic acid)	M. T. Nistor, A. P. Chiriac, L. E. Nita, I. Neamtu, C. Vasile	Polymer Engineering and Science, 53, 2345-2352 (2013)
222.	Preparation and phase behavior of blends of polysulfone-based polymers with phosphorus containing smectic-A liquid crystals	T. Vlad-Bubulac, D. Serbezeanu, C. Hamciuc, O. Petreus, I. D. Carja, G. Lisa S. Ioan, C. Hulubei, D. Popovici, V. E. Musteata	Polymer Engineering and Science, 53, 1209-1216 (2013)
223.	Origin of dielectric response and conductivity of some alicyclic polyimides	S. L. Nica, C. Hulubei, I. Stoica, G. E. Ioanid, S. Ioan E. Hamciuc, C. Hamciuc, I. D. Carja, T. Vlad-Bubulac, M. Ignat	Polymer Engineering and Science, 53, 1430-1447 (2013)
224.	Surface properties and blood compatibility of some aliphatic/aromatic polyimide blends	M. C. Stanciu, M. Nichifor C. Prisacariu, E. Scortanu, B. Agapie, V. A. Prisacariu, S. Coseri	Polymer Engineering and Science, 53, 263-272 (2013)
225.	Phthalonitrile-containing poly(amide imide)s with nanoactuation properties	S. Chisca, I. Sava, M. Bruma M. Bercea	Polymer Engineering and Science, 53, 334-342 (2013)
226.	New degradable polyesters from deoxycholic acid and oligo(ethylene glycol)s		Polymer International, 62, 1236-1272 (2013)
227.	Inelastic response of copolyurethane elastomers with varying soft segment molecular weights and preparation procedure		Polymer International, 62, 1600-1607 (2013)
228.	Porous polyimide films obtained by using lithium chloride as pore forming agent		Polymer International, 62, 1634-1643 (2013)
229.	Recent trends in smart polymer materials		Polymer Materials with

230.Xanthan: Physicochemical properties and applications in separation processes	C. E. Brunchi, L. Ghimici	Smart Properties, M. Bercea, Ed., Nova Science Publ., Hauppauge, NY, USA, 1-36 (2013)
231.Sol-gel technique implemented for biomedical applications	L. E. Nita, A. P. Chiriac, I. Neamtu	Polymer Materials with Smart Properties, M. Bercea, Ed., Nova Science Publ., Hauppauge, NY, USA, 151-188 (2013)
232.Thermoreversible injectable polyurethane hydrogels: Future challenges for biomedical applications	L. M. Gradinaru, C. Ciobanu, F. Quaini, C. Frati, D. Madeddu, S. Vlad, O. Petreus	Polymer Materials with Smart Properties, M. Bercea, Ed., Nova Science Publ., Hauppauge, NY, USA, 189-204 (2013)
233.Hybrid sensitive hydrogels for medical applications	M. T. Nistor, C. Vasile, A. P. Chiriac, A. Rusu, C. Zgordan, L. E. Nita, I. Neamtu	Polymer Materials with Smart Properties, M. Bercea, Ed., Nova Science Publ., Hauppauge, NY, USA, 37-66 (2013)
234.Nanocomposite hydrogels based on clays	S. Morariu	Polymer Materials with Smart Properties, M. Bercea, Ed., Nova Science Publ., Hauppauge, NY, USA, 67-90 (2013)
235.Protective coatings based on silsesquioxane nanocomposite materials	B. Simionescu, I. E. Bordianu, M. Aflori, F. Doroftei, C. Cotofana, M. Olaru	Polymer Nanocomposite Coatings, V. Mittal, Ed., CRC Press, Boca Raton, FL, 213-243 (2013)
236.Drug-polymer conjugates with tuberculostatic activity based on poly(N-vinyl pyrrolidone-alt-itaconic anhydride) and novel aminoacid hydrazides	D. Grebinisan, M. N. Holban, C. Lointe, C. Peptu, V. Sunel, M. Popa, J. Desbrieres	Polymer Plastics Technology and Engineering, 52, 1213-1219 (2013)
237.Synthesis and characterization of linear and crosslinked cyclodextrin polyurethane elastomers	S. Oprea, V. O. Potolinca	Polymer Plastics Technology and Engineering, 52, 1550-1556 (2013)
238.Poly(vinyl alcohol)-inorganic hybrid materials with thermocleavable groups	O. Ursache, V. Gaina, C. Gaina	Polymer Plastics Technology and Engineering, 52, 546-552 (2013)
239.Structural characteristics of some high density polyethylene/EPDM blends	D. M. Stelescu, A. Airinei, M. Homocianu, N. Fifere, D. Timpu, M. Aflori	Polymer Testing, 32, 187-196 (2013)
240.Metallopolymeric structures containing highly	A. Vlad, M. Cazacu, M.	Polymer, 54, 43-53

flexible siloxane sequence	F. Zaltariov, S. Shova, C. Turta, A. Airinei	(2013)
241.New highly ordered hydrophobic siloxane-based coordination polymers	C. Racles, S. Shova, M. Cazacu, D. Timpu	Polymer, 54, 6096-6104 (2013)
242.Polymeric nanoparticles for drug delivery to the brain	S. Vasiliu, C. D. Vlad, S. Racovita, M. A. Lungan, L. Eva, R. Munteanu	Polymeric Nanomedicines, M. Popa, C. V. Uglea, Eds., Bentham Science Publishers, Oak Park, IL, USA, 340-411 (2013)
243.Polymeric nanomedicines in pulmonary delivery	S. Racovita, C. D. Vlad, S. Vasiliu	Polymeric Nanomedicines, M. Popa, C. V. Uglea, Eds., Bentham Science Publishers, Oak Park, IL, USA, 543-580 (2013)
244.Nanomedical devices for transdermal drug delivery	C. Peptu, L. Ignat	Polymeric Nanomedicines, M. Popa, C. V. Uglea, Eds., Bentham Science Publishers, Oak Park, IL, USA, 671-697 (2013)
245.Phthalonitrile-containing aromatic polyimide thin films with nanoactuation properties	C. Hamciuc, I. D. Carja, E. Hamciuc, T. Vlad-Bubulac, M. Ignat	Polymers for Advanced Technologies, 24, 258-265 (2013)
246.Lowering the dielectric constant of polyimide thin films by swelling with supercritical carbon dioxide	I. A. Ronova, M. Bruma, A. A. Kuznetsov, A. Y. Nikolaev	Polymers for Advanced Technologies, 24, 615-622 (2013)
247.Study of the chelating/fuel agents influence on NiFe <sub>2</sub> O <sub>4</sub> samples with potential catalytic properties	A. M. Dumitrescu, P. M. Samoila, V. Nica, F. Doroftei, A. R. Iordan, M. N. Palamaru	Powder Technology, 243, 9-17 (2013)
248.Synthesis of poly(phenylquinoxaline)s in supercritical media	N. M. Belomoina, E. G. Bulycheva, V. G. Vasiliev, L. N. Nikitin, M. Bruma, J. T. Wu	Proceedings of the 9th European Technical Symposium on Polyimides & High Performance Functional Polymers, STEPI 9, June 3-5, 2013, Montpellier, France, 12-17 (2013)
249.Thermal treatment and changes of surface properties of aromatic polymer films	S. Chisca, I. Sava, M. Bruma	Proceedings of the 9th European Technical Symposium on Polyimides & High Performance Functional Polymers, STEPI 9, June 3-5, 2013, Montpellier, France, 130-140 (2013)
250.Azo-copolyimides containing side substituted azobenzene groups	I. Sava, A. I. Burescu, M. Bruma	Proceedings of the 9th European Technical Symposium on Polyimides & High Performance Functional Polymers, STEPI9, June 3-5, 2013, Montpellier,

251. Cellulose esters - from traditional chemistry to modern approaches and applications	D. Ciolacu, L. Olaru, D. Suflet, N. Olaru	France, 61-72 (2013) Pulp Production and Processing: From Papermaking to High-Tech Products, V. I. Popa, Ed., Smithers Rapra, Shawbury, UK, 253-298 (2013)
252. Studies on physico-chemical and antibacterial properties of grafted pullulans solutions	A. G. Grigoras, M. Constantin, V. C. Grigoras, S. I. Dunca, L. Ochiuz	Reactive and Functional Polymers, 73, 1249-1253 (2013)
253. Upon the developments of drug-eluting stents in the treatment of coronary lesions	A. Diaconu, V. Balan, A. P. Chiriac	Recent Patents on Materials Science, 6, 229-237 (2013)
254. Cinnamic acid derivatives and 4-aminoantipyrine amides. Synthesis and evaluation of biological properties	A. Jitareanu, G. Tataringa, A. M. Zbancioc, C. Tuchilus, M. Balan, U. Stanescu	Research Journal of Chemical Sciences, 3(3), 9-13 (2013)
255. Interaction of some persistent organic pollutants with oligopeptide chains formed onto silica microparticles	F. Bucatariu, E. S. Dragan, G. Fundueanu, A. Covaci, A. C. Dirtu	Research Journal of Chemistry and Environment, 17(1), 68-75 (2013)
256. Design, synthesis and interaction with Cu <sup>2+</sup> ions of ice templated composite hydrogels	S. E. Dragan, M. V. Dinu	Research Journal of Chemistry and Environment, 17(10), 4-10 (2013)
257. New cycloimmonium ylide ligands and their palladium (II) affinities	R. Postolachi, R. Danac, N. J. Buurma, A. Pui, M. Balan, S. Shova, C. Deleanu	RSC Advances, 3, 17260-17270 (2013)
258. Titanium dioxide separation from water by PEG and Pluronic type polymers	L. Ghimici, C. E. Brunchi	Separation and Purification Technology, 103, 306-312 (2013)
259. Synthesis and characterization of silicones containing cyanopropyl groups and their use in dielectric elastomer actuators	C. Racles, M. Cazacu, B. Fischer, D. M. Opris	Smart Materials and Structures, 22, Article No. 104004/1-10 (2013)
260. Electroactive composites based on polydimethylsiloxane and some new metal complexes	M. Cazacu, C. Racles, M. F. Zaltarioiu, A. M. C. Dumitriu, M. Ignat, D. Ovezea, G. Stiubianu	Smart Materials and Structures, 22, Article No. 104008/1-8 (2013)
261. Synthesis and photostructuring of hybrid photopolymers with cinnamate and anil moieties by using light and femtosecond laser pulses	E. C. Buruiana, F. Jitaru, A. Matei, M. Dinescu, T. Buruiana	Soft Materials, 11, 165-172 (2013)
262. Symmetric liquid crystal dimers containing a luminescent mesogen: Synthesis, mesomorphic behavior and optical properties	L. Marin, A. Zabulica, M. Sava	Soft Materials, 11, 32-39 (2013)
263. All-polymer composites from two incompatible polymers	C. Racles, M. Cristea, F. Doroftei, M. Alexandru	Soft Materials, 11, 421-429 (2013)
264. Ionically and covalently crosslinked hydrogels based on gelatin and chitosan	A. N. Jataru (Cadinou), M. Danu, C. A. Peptu, G. Ioanid, C. Ibanescu, M. Popa	Soft Materials, 11, 45-54 (2013)
265. Effect of nitrile groups and of flexible linkages	I. Bacosca, E. Hamciuc,	Soft Materials, 11, 465-

	on the properties of poly(ether imide) films	M. Bruma	475 (2013)
266.	Multi-block copolymers containing oligoaniline pentamer as electroactive segment	M. Grigoras, A. M. Catargiu, V. E. Musteata	Soft Materials, 11, 90-97 (2013)
267.	In situ gelation of aqueous solutions of entangled poly(vinyl alcohol)	M. Bercea, S. Morariu, D. Rusu	Soft Matter, 9, 1244-1253 (2013)
268.	Magnetically induced phase condensation in an aqueous dispersion of magnetic nanogels	V. Socoliuc, L. Vekas, R. Turcu	Soft Matter, 9, 3098-3105 (2013)
269.	Preparation and functional characterization of BiFeO <sub>3</sub> ceramics: A comparative study of the dielectric properties	F. Gheorghiu, M. Calugaru, A. Ianculescu, V. Musteata, L. Mitoseriu	Solid State Sciences, 23, 79-87 (2013)
270.	A near infrared spectroscopic study of the structural modifications of lime ( <i>Tilia cordata</i> Mill.) wood lignin during hydrothermal treatment	C. M. Popescu, M. C. Popescu	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 115, 227-233 (2013)
271.	Computational and spectral studies of 1,1-diphenyl-1,3,5-hexatriene (DPH) multicomponent solutions	I. Hurjui, A. Neamtu, D. O. Dorohoi	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 115, 382-387 (2013)
272.	Molecular structure and modeling studies of some azobenzene derivatives containing maleimide groups	C. Cojocaru, A. Airinei, N. Fifere	SpringerPlus, 2, Article 586/1-19 (2013)
273.	Factors secreted by mesenchymal stem cells and endothelial progenitor cells have complementary effects on angiogenesis in vitro	A. Burlacu, G. Grigorescu, A. M. Rosca, M. B. Preda, M. Simionescu	Stem Cells and Development, 22, 643-653 (2013)
274.	Conformational analysis of random copolymers and influence of their compositions on physical properties	I. A. Ronova, M. Bruma	Structural Chemistry, 24, 993-1000 (2013)
275.	Effect of conformational parameters on physical properties of polymers containing pendant phenoxyphthalonitrile substituents	I. D. Carja, C. Hamciuc, T. Vlad-Bubulac, M. Bruma, I. A. Ronova	Structural Chemistry, 24, 1693-1703 (2013)
276.	A new diamine containing disiloxane moiety and some derived Schiff bases: synthesis, structural characterization and antimicrobial activity	M. F. Zaltariov, M. Cazacu, N. Vornicu, S. Shova, C. Racles, M. Balan, C. Turta	Supramolecular Chemistry, 25, 490-502 (2013)
277.	An efficient and straightforward method to new organic compounds. Homodrimane sesquiterpenoids with diazine units	K. Kuckova, A. Aricu, A. Barba, P. Vlad, S. Shova, E. Secara, N. Ungur, G. Zbancioc, I. I. Mangalagiu	Synlett, 24, 697-700 (2013)
278.	Synthesis of polyfunctional drimanes from drim-7,9(11)-diene and drim-8-en-7-one	A. Ciocarlan, C. Edu, A. Birriac, L. Lungu, A. Aricu, M. D'Ambrosio, S. Shova, A. Nicolescu, C. Deleanu, N. Vornicu	Synthetic Communications, 43, 3020-3033 (2013)
279.	Unexpected formation of pyrrolo[1,2-a]quinoxaline derivatives using the multicomponent synthesis of pyrrolo[1,2-a]benzimidazoles	A. Nicolescu, C. Deleanu, E. Georgescu, F. Georgescu, A. M. Iurascu, S. Shova, P. Filip	Tetrahedron Letters, 54, 1486-1488 (2013)
280.	Regio- and stereoselective synthesis of (+)-6-	P. A. Vlad, A.	Tetrahedron, 69, 918-926

	ketoeryfuran, (+)-6-ketowinterin, and (--)7-ketoeryfuran from accessible labdane diterpenoids (+)-larixol and (--)sclareol	Ciocarlan, C. Edu, A. Aricu, A. Birriac, M. Coltsa, M. D'Ambrosio, C. Deleanu, A. Nicolescu, S. Shova, N. Vornicu, A. de Groot C. Rimbu, N. Vrinceanu, G. Broasca, D. Farima, M. Ciocoiu, C. Campagne, M. P. Sucheia, A. Nistor T. Heinze, A.	(2013)
281.	Zinc oxide application in the textile industry: Surface tailoring and water barrier attributes as parameters with direct implication in comfort performance	Koschella, T. Liebert, V. Harabagiu, S. Coseri	Textile Research Journal, 83, 2142-2151 (2013)
282.	Cellulose: Chemistry of cellulose derivatization	P. Navard, F. Wender, F. Meister, M. Bercea, T. Budtova	The European Polysaccharide Network of Excellence (EPNOE). Research Initiatives and Results, P. Navard, Ed., Springer-Verlag, Wien, 283-327 (2013)
283.	Preparation and properties of cellulose solutions	P. Navard, F. Wender, F. Meister, M. Bercea, T. Budtova	The European Polysaccharide Networks of Excellence (EPNOE). Research Initiatives and Results, P. Navard, Ed., Springer-Verlag, Wien, 91-152 (2013)
284.	The behavior of the AV-17(Cr) sorbent in various media	V. Gutsanu, N. Tudorachi, G. Lisa	Thermochimica Acta, 574, 109-115 (2013)
285.	Corrosion resistance, mechanical properties and biocompatibility of Hf-containing ZrCN coatings	C. M. Cotrut, V. Braic, M. Balaceanu, I. Titorenco, M. Braic, A. C. Parau	Thin Solid Films, 538, 48-55 (2013)
286.	Defined-size embryoid bodies formed in the presence of serum replacement increases the efficiency of the cardiac differentiation of mouse embryonic stem cells	M. B. Preda, A. Burlacu, M. Simionescu	Tissue and Cell, 45, 54-60 (2013)
287.	Influence of ionic structure on tribological properties of poly(dimethylsiloxane-alkyleneoxide) graft copolymers	V. Totolin, N. Ranetcaia, V. Hamciuc, N. Shore, N. Dorr, C. Ibanescu, B. C. Simionescu, V. Harabagiu	Tribology International, 67, 1-10 (2013)
288.	Synthesis and characterization of new chromogenic substrates for exoglycosidases: alpha glucosidase, alpha-mannosidase, and beta galactosidase	D. P. Iga, R. Schmidt, S. Iga, C. L. Hotoleanu, F. Duica, A. Nicolescu, S. S. Gitman	Turkish Journal of Chemistry, 37, 299-307 (2013)
289.	Analysis of mural paintings using in situ non-invasive XRF, FTIR spectroscopy and optical microscopy	C. Bibire, E. Murariu, D. Ivanov	X-Ray Spectrometry, 42, 380-387 (2013)
290.	Covalent immobilization of invertase on epoxy-activated polyaniline films	L. Vacareanu, M. Grigoras, B. Stoica	Analele Stiintifice ale Universitatii "Alexandru Ion Cuza" din Iasi, Sectiunea Genetica si Biologie Moleculara, 14(1), 53-60 (2013)
291.	Current and future potential distribution of glacial relict liquularia sibirica (Asteracinae) in	C. Manzu, I. Gherghel, S. Zamfirescu, O.	Carpathian Journal of Earth and Environmental

	Romania and temporal contribution of NATURA 2000 to protect the species in light of global change	Zamfirescu, I. Rosca, A. Strugariu	Sciences, 8, 77-87 (2013)
292.	Influence of self-complementary hydrogen bonding on solution properties of cellulose acetate phthalate in solvent/non-solvent mixtures	A. M. Dobos, M. D. Onofrei, I. Stoica, N. Olaru, L. Olaru, S. Ioan	Cellulose Chemistry and Technology, 47, 13-21 (2013)
293.	Molecular dynamics simulations of chondroitin sulfate in explicit solvent: Point charge water models compared	A. Neamtu, B. Tamba, X. Patras	Cellulose Chemistry and Technology, 47, 191-202 (2013)
294.	Entrapment of flaxseed extract into xanthan-chitosan complex	D. Dragănescu, M. Silion, I. Ignat, C. Sarghie, M. I. Popa	Cellulose Chemistry and Technology, 47, 231-238 (2013)
295.	Synthesis and antimicrobial activity of new amidic derivatives of 5-nitroindazol-1-yl-acetic acid/pectin particles	C. Cheptea, M. Holban, C. Peptu, C. Lointe, V. Sunel, M. Popa, J. Desbrieres	Cellulose Chemistry and Technology, 47, 23-29 (2013)
296.	Rheological research of some polysaccharide gels loaded with Nigella Sativa extracts	A. Rosu, S. Bistriceanu, C. Ibanescu, O. M. Daraba, M. Lungu	Cellulose Chemistry and Technology, 47, 359-367 (2013)
297.	Morphological and surface aspects of cellulose-lignin hydrogels	D. Ciocalu, F. Doroftei, G. Cazacu, M. Cazacu	Cellulose Chemistry and Technology, 47, 377-386 (2013)
298.	Polyurethane-hydroxypropyl cellulose membranes for sustained release of nystatin	M. Mandru, S. Vlad, C. Ciobanu, L. Lebrun, M. Popa	Cellulose Chemistry and Technology, 47, 5-12 (2013)
299.	Tandem mass spectrometry characterization of esterified cyclodextrins	C. Peptu, V. Harabagiu	Digest Journal of Nanomaterials and Biostructures, 8, 1551-1561 (2013)
300.	Preparation and characterization of niosomes containing metronidazole	C. D. Stan, G. Tataringa, C. Gafiteanu, M. Dragan, S. Braha, M. C. Popescu, G. Lisa, A. Stefanache	Farmacia, 61, 1178-1185 (2013)
301.	Validation of a new HPLC method used for determination of amiodarone from the complex with hydroxypropyl-beta-cyclodextrin and from commercial tablets	A. Bosinceanu, O. M. Paduraru, C. Vasile, I. Popovici, G. Tantaru, L. Ochiuz	Farmacia, 61, 856-864 (2013)
302.	Diagnosis of carbon laser produced plasma by using an electrostatic energy analyzer	C. Ursu, P. E. Nica	Journal of Optoelectronics and Advanced Materials, 15, 42-45 (2013)
303.	Miniemulsion polymerization of styrene in the presence of different commercial clays	R. Ianchis, D. Donescu, R. Somoghi, M. C. Corobeia, L. C. Nistor, M. Ghiurea, C. Petcu, C. A. Nicolae, R. Gabor, I. Atkinson	Journal of Optoelectronics and Advanced Materials, 15, 578-582 (2013)
304.	Electromechanical strain response of PDMS/TiO <sub>2</sub> /SiO <sub>2</sub> at variable electric fields	V. Carlescu, F. Breaban, G. Prisacaru, G. Ianus, M. Cazacu	Materiale Plastice, 50, 141-145 (2013)
305.	Electrodeposition of polyaniline films bearing sulfonic and hydroxyl groups. Characterization and electrochemical stability	L. Vacareanu, M. Grigoras	Materiale Plastice, 50, 153-158 (2013)

306.Experimental and theoretical investigations in polyamide spin-coated thin films	M. Teodorescu, L. Schacher, D. Adolphe, I. Gradinaru, I. Zetu L. Marin, A. Arvinte	Materiale Plastice, 50, 225-229 (2013)
307.Mesomorphic compounds containing chromophoric mesogens for optoelectronic applications		Materiale Plastice, 50, 23-27 (2013)
308.Green materials derived from renewable resource for electrical applications	S. Aradoaei, R. C. Ciobanu, R. Darie, T. Zaharescu, A. Caramitu A. D. Bendrea, L. Cianga, E. G. Hitruc, I. Titorenco, I. Cianga A. I. Barzic, I. Stoica, D. Popovici, C. Ursu, M. Gradinaru, C. Hulubei M. I. Totolin, I. Neamtu	Materiale Plastice, 50, 310-313 (2013)
309.Fluorescent nanoparticles from "hairy-rods", water-self dispersible amphiphilic polythiophenes		Materiale Plastice, 50, 71-78 (2013)
310.Physico-chemical insights on tuning the morphology of a photosensitive polyimide by UV laser irradiation		Materiale Plastice, 50, 88-92 (2013)
311.Synthesis via low pressure non-equilibrium plasma process and UV aging performance of polyacrylic films		Optoelectronics and Advanced Materials - Rapid Communications, 7, 263-271 (2013)
312.Characterization of doped TiO <sub>2</sub> thin films obtained by pulsed laser deposition	M. Dobromir, A. V. Manole, L. Ursu, C. Ursu, M. Neagu, D. Luca A. Burescu, I. Sava, M. Bruma	Optoelectronics and Advanced Materials - Rapid Communications, 7, 397-401 (2013)
313.Synthesis and characterization of fluorinated copolyimides containing side azobenzene groups	A. Burescu, I. Sava, M. Bruma	Revista de Chimie, 64, 1047-1050 (2013)
314.Colloidal stability loss with increasing dilution of polar carrier based magnetic colloids stabilized by steric repulsion	V. Socoliu, C. Daia, A. Taculescu, L. Vekas	Revista de Chimie, 64, 1194-1196 (2013)
315.On the molecular mass of pyrolysis oils from polyolefins	M. Brebu, I. Bunia, M. Silion L. E. Checherita, N. C. Forna, A. Surdu Macovei, S. Racovita, F. Filip, A. Chiriac	Revista de Chimie, 64, 1197-1200 (2013)
316.Influence of chemical therapeutical methods on mandibular muscles	S. Racovita, S. Vasiliu, C. D. Radu, L. Profire, L. Checherita, L. Foia N. Platon, I. Siminiceanu, I. D. Nistor, M. Silion, C. Jinescu, M. Harrouma, A. Azzouz	Revista de Chimie, 64, 1312-1316 (2013)
317.Viscometric study of some polyzwitterions based on poly(4-vinylpyridine)	M. Silion, M. C. Stanciu, M. Nichifor	Revista de Chimie, 64, 1422-1425 (2013)
318.Catalytic wet oxidation of phenol with hydrogen peroxide over modified clay minerals	F. Bucatariu, C. A. Gheorghita, M. Mihai, F. Simon, E. S. Dragan M. Mihai, F. Bucatariu, F. Doroftei T. Ivan, L. Vacareanu, M. Grigoras	Revista de Chimie, 64, 1459-1464 (2013)
319.Mass spectral analysis of new biocompatible polyesters based on bile acids under electrospray ionization condition		Revista de Chimie, 64, 330-333 (2013)
320.Pepsin and lysozyme immobilization onto Daisogel particles functionalized with chitosan crosslinked multilayers		Revista de Chimie, 64, 334-337 (2013)
321.Synthesis and characterization of new hollow calcium carbonate/polyanion microspheres		Revista de Chimie, 64, 338-342 (2013)
322.Synthesis and photophysical properties of two intramolecular charge-transfer chromophores obtained by [2+2] cycloaddition of TCNE and TCNQ to an electron-rich alkyne		Revista de Chimie, 64, 372-377 (2013)
323.Benzimidazolium-cyclodextrin inclusion	A. Nicolescu, M. Balan,	Revista de Chimie, 64,

complexes	E. Georgescu, F. Georgescu, L. Ursu, B. C. Simionescu, P. Filip, C. Deleanu	451-455 (2013)
324.Preliminary studies on the complex system: Surface-active substances-hybrid silica particles-vegetable oils	R. Somoghi, C. L. Nistor, C. Deleanu, D. Donescu	Revista de Chimie, 64, 495-501 (2013)
325. $\beta$ -Cyclodextrin/propiconazole complexes probed by constraint free and biased molecular dynamics solutions	A. Neamtu, N. Marangoci, V. Harabagiu	Revista de Chimie, 64, 502-508 (2013)
326.Extended $\pi$ -conjugated chromophores based on pyrilium core linked to guiazulenyl vinyl moieties	S. Nica, L. Cristian, C. Deleanu, P. I. Filip, A. C. Razus	Revista de Chimie, 64, 658-662 (2013)
327.In vitro release of metoprolol tartrate from poly(vinyl alcohol)/phosphoester-chondroitin sulfate semi-IPNs	T. Vlad Bubulac, A. M. Oprea, D. Serbezeanu, I. D. Carja, C. Hamciuc	Revista de Chimie, 64, 663-666 (2013)
328.Stimuli responsive graft polysiloxanes	A. D. Rusu, C. Ibanescu, E. Resmerita, B. Simionescu, M. Danu, V. Hurduc, S. A. Ibanescu	Revista de Chimie, 64, 667-671 (2013)
329.Cytocompatibility of PET films after DC helium plasma treatments and collagen immobilization	M. Drobota, D. G. Dimitriu, B. Simionescu, I. Titorencu, M. Olaru, M. Aflori	Revista de Chimie, 64, 761-765 (2013)
330.Effects of N-hydroxysuccinimide activation on the surface and bulk properties of polyurethanes available for bioconjugation	L. Ignat, E. G. Hitruc, M. Pinteala	Revista de Chimie, 64, 766-770 (2013)
331.Rheology of gelatin-starch systems I. Influence of system composition	B. Simionescu, S. A. Ibanescu, M. Danu, I. Rotaru, C. Ibanescu	Revista de Chimie, 64, 909-913 (2013)
332.Influence of the aldehyde impurities on the optical and thermotropic properties of a liquid crystalline azomethine dimer	A. Zabulica, M. Bruma	Revista de Chimie, 64, 914-918 (2013)
333.New hydrazines with sulphonamidic structure. Synthesis, characterization and biological activity	O. M. Parasca Dragostin, F. Lupascu, C. Vasile, M. Mares, V. Nastasa, L. Profire	Revista Medico-Chirurgicala a Societatii de Medici si Naturalisti din Iasi, 117, 238-243 (2013)
334.Synthesis and evaluation of antioxidant activity of some new benzylidene-thiazolidine-xanthine derivatives	F. Lupascu, O. M. Dragostin, M. Aprotosoaiei, A. Panzariu, D. Lupascu, C. Vasile, L. Profire	Revista Medico-Chirurgicala a Societatii de Medici si Naturalisti din Iasi, 117, 244-249 (2013)
335.Sulfadiazine modified CS/HA PEC destined to wound dressing	L. Profire, D. Peptu, R. P. Dumitriu, O. Dragostin, C. Vasile	Revista Medico-Chirurgicala a Societatii de Medici si Naturalisti din Iasi, 117, 525-531 (2013)
336.Chitosan/hyaluronic acid polyelectrolyte complex hydrogels in the management of burn wounds	C. Vasile, D. Peptu, R. P. Dimitriu, A. Panzariu, L. Profire	Revista Medico-Chirurgicala a Societatii de Medici si Naturalisti din Iasi, 117, 565-571 (2013)
337.New insights correlating absorption edge with	R. F. Barzic, I. Stoica,	Tehnomus Journal, 20,

morphological features of some semi-alicyclic polyimides	A. I. Barzic, C. Hulubei	221-225 (2013)
338. Surface and physical properties of poly(4-vinylpyridine)/barium titanate nanocomposites	R. F. Barzic, I. Stoica, A. Barzic, G. Dumitrascu	Tehnomus Journal, 20, 79-83 (2013)
339. Fenomene anodice in plasma	M. Aflori	Editura Tehnopress, Iasi, 2013, 203 p
340. Radio-frequency plasma. Diagnosis and applications	M. Aflori	Editura Tehnopress, Iasi, 2013, 206 p
341. Polymer Materials with Smart Properties	M. Bercea, Ed.	Nova Science Publ., Hauppauge, NY, USA, 2013, 219 p