

## 2024

1. G. Stîngă, A. Băran, A. Iovescu, M.E. Maxim, V.V. Jercă, *A highly selective multifunctional naphthalene-labeled polymer sensor for Cu<sup>2+</sup> and Fe<sup>3+</sup> ions in aqueous medium*, Journal of Molecular Liquids, 406, 2024, 125074.
2. E. Vacalie, D. Preda, P. Oancea, A.R. Leontieş, L. Aricov, A. Raducan, *Effective degradation of azo dyes by ABTS (2, 2'-azino-bis (3-ethylbenzothiazoline-6-sulfonic acid)) mediated laccase. Kinetic studies*, Process Biochemistry, 145, 311-319, 2024.
3. F. Branzoi, A. Băran, M.A. Mihai, M.Y. Zaki, *The inhibition action of some Brij-type nonionic surfactants on the corrosion of OLC 45 in various aggressive environments*, Materials (Basel), 17(6), 2024, 1378.
4. A. Precupas, D. Gheorghe, A.R. Leontieş, V.T. Popa, *Resveratrol effect on  $\alpha$ -lactalbumin thermal stability*, Biomedicines, 12, 2176, 2024.
5. G. Petcu, E.M. Anghel, I. Atkinson, D.C. Culita, N.G. Apostol, A. Kuncser, F. Papa, A. Băran, J.L. Blin, V. Parvulescu, *Composite photocatalysts with Fe, Co, and Ni oxides on supports with tetracoordinated Ti embedded into aluminosilicate gel during Zeolite Y synthesis*, Gels, 10(2), 2024, 129.
6. G. Petcu, E.M. Ciobanu, G. Paun, E. Neagu, A. Băran, B. Trica, A. Neacsu, I. Atkinson, R. Bucuresteanu, A. Badaluta, L.M. Ditu, V. Parvulescu, *Hybrid materials obtained by immobilization of biosynthesized Ag nanoparticles with antioxidant and antimicrobial activity*, International Journal of Molecular Science, 25(7), 2024, 4003.
7. O.C. Mocioiu, I. Atkinson, L. Aricov, V. Bratan, A.-M. Mocioiu, I.A. Tudor, D.I. Băilă, *Hydrophobic and transparent tantalum pentoxide-based coatings for photovoltaic (PV) solar panels*, Coatings, 14(3), 2024, 273.
8. G. Dobri, A. Banu, C. Donath, E.I. Neacsu, M. Anastasescu, M.E. Maxim, C. Vasilescu, L. Preda, M. Marcu, *Effect of surface roughness on the electrochemical behavior and corrosion resistance of TiTaNbZrAg alloy with different amounts of tantalum in bulk composition*, Materials, 17, 2024 5217.
9. D. Negoeşti, V. Bratan, M. Gherendi, I. Atkinson, D.C. Culita, A. Neacsu, A. Băran, S. Petrescu, V. Parvulescu, *Iron promoted TiO<sub>2</sub>-activated carbon nanocomposites for photocatalytic degradation of Congo Red in water*, Catalysts, 14, 2024, 844.

## 2023

1. A.R. Leontieş, A. Băran, G. Ioniţă, I. Matei, S. Mocanu, R. Baratoiu, E. Hristea, L. Aricov, *Physicochemical changes of alginate and polyacrylate mixture induced by interactions of the appended units*, Macromolecular Chemistry and Physics, 2023, 224(8), 2200444.
2. A. Iovescu, G. Stîngă, A. Băran, A.R. Leontieş, M.E. Maxim, D.F. Anghel, *Insights into BSA-micellar carrier-drug systems using pyrene excimer*, Colloid and Polymer Science, 2023, 301, 1061–1076.
3. L. Aricov, A. Precupas, M. Tudose, D. Baltag, B. Trică, R. Sandu, A.R. Leontieş, *Trametes versicolor laccase activity modulated by the interaction with gold nanoparticles*, Environmental Research, 2023, 237(1), 116920.
4. R.M. Vişan, A.R. Leontieş, M. Anastasescu, D.G. Angelescu, *Towards understanding the interaction of quercetin with chitosan-phytate complex: An experimental and computational investigation*, Journal of Molecular Liquids, 2023, 380, 121673.

5. E. Negrea, P. Oancea, **A.R. Leontieş**, A.M. Udrea, S. Avram, A. Raducan, *Spectroscopic studies on binding of ibuprofen and drotaverine with bovine serum albumin*, Journal of Photochemistry and Photobiology A: Chemistry, 2023, 438, 114512.
6. J.P. Joly, **L. Aricov**, G.A. Balan, E.I. Popescu, S. Mocanu, **A.R. Leontieş**, I. Matei, S.R.A. Marque, G. Ionita, *Formation of alginate/chitosan interpenetrated networks revealed by EPR spectroscopy*, Gels, 2023, 9(3), 231.
7. **R.M. Vişan**, D.G. Angelescu, *Coarse-grained model of phytic acid for predicting the supramolecular architecture of ionically cross-linked chitosan hydrogels*, Journal of Physical Chemistry B, 2023, 127(25), 5718–5729.
8. **M. Balcan**, **D.F. Anghel**, D. Negoescu, V. Bratan, V. Parvulescu, *Nonionic surfactant-templated mesoporous silica as supports for nickel active catalysts in liquid phase organic compounds oxidation*, Revue Roumaine de Chimie, 2023, 68(7–8), 327–337.
9. M. Ioan, **D.F. Anghel**, I.C. Gifu, E. Alexandrescu, C. Petcu, L.M. Dițu, G.A. Sanda, D. Bala, L.O. Cintea, *Novel microemulsions with essential oils for environmentally friendly cleaning of copper cultural heritage artifacts*, Nanomaterials, 2023, 13(17), 2430.
10. M. Ioan, **D.F. Anghel**, M. Anastasescu, I.C. Gifu, E. Alexandrescu, R.I. Matei, C. Petcu, I. Stanculescu, G.A. Sanda, D. Bala, L.O. Cintea, *Hybrid materials based on ZnO nanoparticles and organo-modified silica coatings as eco-friendly anticorrosive protection for metallic historic artifacts*, Coatings, 2023, 13(7), 1193.
11. P. Preda, A.M. Enciu, C. Tanase, M. Dudau, L. Albulescu, **M.E. Maxim**, R.N. Darie-Niță, O. Brincoveanu, M. Avram, *Assessing polysaccharides/Aloe Vera-based hydrogels for tumor spheroid formation*, Gels, 2023, 9(1), 51.
12. M. Chelu, M. Popa, J. Calderon Moreno, **A.R. Leontieş**, E.A. Ozon, J. Pandele Cusu, V.A. Surdu, **L. Aricov**, A.M. Musuc, *Green synthesis of hydrogel-based adsorbent material for the effective removal of diclofenac sodium from wastewater*, Gels, 2023, 9(6), 454.
13. M. Stanca, C. Gaidau, T. Zaharescu, G.A. Balan, I. Matei, A. Precupas, **A.R. Leontieş**, G. Ionita, *Physico-chemical changes induced by gamma irradiation on some structural protein extracts*, Biomolecules, 2023, 13(5), 774.
14. M. Chelu, A.M. Musuc, **L. Aricov**, E.A. Ozon, A. Iosageanu, L.M. Stefan, A.M. Prelipcean, M. Popa, J. Calderon Moreno, *Antibacterial Aloe vera based biocompatible hydrogel for use in dermatological applications*, International Journal of Molecular Sciences, 2023, 24(4), 3893.
15. D. Negoescu, I. Atkinson, M. Gherendi, D.C. Culita, **A. Băran**, S. Petrescu, B. Trica, D. Pelinescu, R. Ionescu, V. Bratan, V. Parvulescu, *Brij 58-activated carbon assisted synthesis of Ag/Ag<sub>2</sub>O/TiO<sub>2</sub>-AC photocatalysts for efficient organic pollutants degradation*, Journal of Alloys and Compounds, 2023, 931, 167528.
16. L. Predoană, E.M. Ciobanu, G. Petcu, S. Preda, J. Pandele-Cușu, E.M. Anghel, S.V. Petrescu, D.C. Culică, **A. Băran**, V.A. Surdu, B.S. Vasile, A.C. Ianculescu, *Photocatalytic performance of Sn-doped TiO<sub>2</sub> nanopowders for photocatalytic degradation of methyl orange dye*, Catalysts, 2023, 13(3), 534.
17. G. Petcu, F. Papa, I. Atkinson, **A. Băran**, N.G. Apostol, S. Petrescu, L. Richaudeau, J.L. Blin, V. Parvulescu, Co- and Ni-doped TiO<sub>2</sub> nanoparticles supported on Zeolite Y with photocatalytic properties, Nanomaterials, 2023, 13(15), 2200.
18. L. Predoană, G. Petcu, S. Preda, J. Pandele-Cușu, S.V. Petrescu, **A. Băran**, N.G. Apostol, R.M. Costescu, V.A. Surdu, B.S. Vasile, A.C. Ianculescu, *Copper-Zinc-doped TiO<sub>2</sub> nanopowders synthesized by microwave-assisted sol-gel method*, Gels, 2023, 9(4), 267.

19. G. Petcu, F. Papa, E.M. Anghel, I. Atkinson, S. Preda, S. Somacescu, D.C. Culita, **A. Băran**, E.M. Ciobanu, L.M. Jecu, M. Constantin, V. Parvulescu, *Effects of aluminosilicate gel treatment and TiO<sub>2</sub> loading on photocatalytic properties of Au-TiO<sub>2</sub>/Zeolite Y*, Gels, 2023, 9(6), 503.
20. L. Todan, L. Predoană, G. Petcu, S. Preda, D.C. Culită, **A. Băran**, R.D. Trușcă, V.A. Surdu, B.S. Vasile, A.C. Ianculescu, *Comparative study of MgO nanopowders prepared by different chemical methods*, Gels, 2023, 9(8), 624.
21. L. Preda, S.A. Leau, C. Donath, E.I. Neacsu, **M.E. Maxim**, V. Sătulu, A. Paraschiv, M. Marcu, *Investigation of long-term corrosion of CoCrMoW alloys under simulated physiological conditions*, Metals, 2023, 13, 1881.

2022

1. **A. Băran, L. Aricov, G. Stîngă, A. Iovescu, A.R. Leontieş, V.V. Jerca**, *The effect of C<sub>12</sub>E<sub>6</sub> nonionic surfactant on the solubilization of Eosin Y in unmodified- and hydrophobically modified poly(acrylic acid) solutions*, Journal of Molecular Liquids, 346, 2022, 117103.
2. **A.R. Leontieş**, A. Răducan, D.C. Culita, E. Alexandrescu, A. Moroşan, D.E. Mihaiescu, **L. Aricov**, *Laccase immobilized on chitosan-polyacrylic acid microspheres as highly efficient biocatalyst for naphthol green B and indigo carmine degradation*, Chemical Engineering Journal, 439, 2022, 135654.
3. **G. Stîngă, A. Băran, A. Iovescu, M.E. Maxim, D.F. Anghel**, *Metal ions recognition by pyrene labeled poly(acrylic acid)*, Journal of Molecular Liquids, 365, 2022, 120135.
4. **L. Aricov**, A. Răducan, C.I. Gifu, E. Alexandrescu, A. Precupas, A.V.F. Neculai, **R.M. Vişan**, A. Morosan, **A.R. Leontieş**, *The immobilization of laccase on mixed polymeric microspheres for methylene red decomposition*, Coatings, 12, 2022, 1965.
5. L. Vlaia, I. Olariu, A.M. Muţ, G.A. Coneac, V. Vlaia, **D.F. Anghel, M.E. Maxim, G. Stîngă**, A. Dobrescu, M. Suciu, Z. Szabadai, D. Lupuleasa, New, biocompatible, chitosan-gelled microemulsions based on essential oils and sucrose esters as nanocarriers for topical delivery of fluconazole, Pharmaceutics, 14, 2022, 75.
6. P. Preda, A.M. Enciu, B. Adiaconita, I. Mihalache, G. Craciun, A. Boldeiu, **L. Aricov**, C. Romanian, D. Stan, C. Marculescu, C. Tanase, M. Avram, *New Amorphous hydrogels with proliferative properties as potential tools in wound healing*, Gels, 8, 2022, 604.
7. M. Chelu, J. Calderon Moreno, I. Atkinson, J. Pandele Cusu, A. Rusu, V. Bratan, **L. Aricov**, M. Anastasescu, A.M. Seciu-Grama, A.M. Musuc, *Green synthesis of bioinspired chitosan-ZnO-based polysaccharide gums hydrogels with propolis extract as novel functional natural biomaterials*, International Journal of Biological Macromolecules, 211, 2022, 410.
8. A. Precupas, **A.R. Leontieş**, A. Neacsu, D.G. Angelescu, V.T. Popa, *Bovine hemoglobin thermal stability in the presence of naringenin: Calorimetric, spectroscopic and molecular modeling studies*, Journal of Molecular Liquids, 361, 2022, 119617.
9. V. Popovici, A.M. Musuc, E. Matei, O. Karampelas, E.A. Ozon, G.C. Cozaru, V. Schroder, L. Bucur, **L. Aricov**, M. Anastasescu, M. Aşchie, V. Badea, D. Lupuliasa, C.E. Gîrd, *ROS-induced DNA-damage and autophagy in oral squamous cell carcinoma by Usnea barbata oil extract – An In Vitro study*, International Journal of Molecular Science, 23, 2022, 14836.
10. G. Petcu, E.M. Anghel, E. Buixaderas, I. Atkinson, S. Somacescu, **A. Băran**, D.C. Culita, B. Trica, C. Bradu, M. Ciobanu, V. Parvulescu, *Au/Ti synergistically modified*

*supports based on SiO<sub>2</sub> with different pore geometries and architectures*, Catalysts, 12, 2022, 1129.

11. A. Banu, L. Preda, M. Marcu, L.L. Dinca, **M.E. Maxim**, G. Dobri, *Electrochemical behavior of SLM Ti–6Al–4V alloy after long time of immersion in lactic acid environment*, Metallurgical and Materials Transactions A, 53, 2022, 2060.

## 2021

1. **G. Stîngă, A. Băran, A. Iovescu**, F. Brânzoi, **D.F. Anghel**, *Impact of cationic surfactant on fluorescent complex of pyrene labeled poly(acrylic acid) and methylene blue*, Journal of Molecular Liquids, 322, 2021, 114545.
2. **R.M. Vișan, A.R. Leontieș, L. Aricov**, V. Chihaiia, D.G. Angelescu, *Polymorphism of chitosan-based networks stabilized by phytate investigated by molecular dynamics simulations*, Physical Chemistry Chemical Physics, 23, 2021, 22601.
3. E.I. Popescu, **L. Aricov**, S. Mocanu, I. Matei, E. Hristea, R. Baratoiu, **A. Leontieș**, C. Petcu, E. Alexandrescu, G. Ionita, *Subtle influence on alginate gel properties through host–guest interactions between covalently appended cyclodextrin and adamantine units*, New Journal of Chemistry, 45, 2021, 8083-8091.
4. G. Paun, V. Parvulescu, E. Neagu, C. Albu, L. Ionita, **M.E. Maxim**, A. Munteanu, M. Ciobanu, G.L. Radu, *Nanofiltration composite membranes based on KIT-6 and functionalized KIT-6 nanoparticles in a polymeric matrix with enhanced performances*, Membranes, 11, 2021, 300.
5. L. Vlaia, G. Coneac, A.M. Muț, I. Olariu, V. Vlaia, **D.F. Anghel**, **M.E. Maxim**, A. Dobrescu, M. Hîrjau, D. Lupuleasa, *Topical biocompatible fluconazole-loaded microemulsions based on essential oils and sucrose esters: Formulation design based on pseudo-ternary phase diagrams and physicochemical characterization*, Processes, 9, 2021, 144.
6. T. Schimmel, J. Bohrisch, **D.F. Anghel**, J. Oberdisse, R. von Klitzin, *Influence of intramolecular charge coupling on intermolecular interactions of polycarboxybetaines in aqueous solution and in polyelectrolyte multilayers*, Molecular Physics, 2021, e1936676.
7. F. Brânzoi, **A Băran**, S. Petrescu, *Evaluation of corrosion protection performance of new polymer composite coatings on carbon steel in acid medium by electrodeposition methods*, Coatings, 11, 2021, 903.
8. V. Fruth, L. Todan, C.I. Codrea, I. Poenaru, S. Petrescu, **L. Aricov**, M. Ciobanu, L. Jecu, R.M. Ion, L. Predoana, *Multifunctional composite coatings based on photoactive metal-oxide nanopowders (MgO/TiO<sub>2</sub>) in hydrophobic polymer matrix for stoneh conservation*, Nanomaterials, 2021, 11, 2586.

## 2020

1. **A. Iovescu, G. Stîngă, M.E. Maxim**, M. Gosecka, T. Basinska, S. Slomkowski, D. Angelescu, S. Petrescu, N. Stănică, **A. Băran, D.F. Anghel**, *Chitosan-polyglycidol complexes to coating iron oxide particles for dye adsorption*, Carbohydrate Polymers, 246, 2020, 116571.
2. **L. Aricov**, D.G. Angelescu, **A. Băran, A.R. Leontieș**, V.T. Popa, A. Precupăș, R. Sandu, **G. Stîngă, D.F. Anghel**, *Interaction of piroxicam with bovine serum albumin investigated by spectroscopic, calorimetric and computational molecular methods*, Journal of Biomolecular Structure and Dynamics, 38, 2020, 2659-2671.

3. L. Aricov, A.R. Leontieş, I.C. Gîfu, D. Preda, A. Raducan, D.F. Anghel, *Enhancement of laccase immobilization onto wet chitosan microspheres using an iterative protocol and its potential to remove micropollutants*, Journal of Environmental Management, 2020, 276, 111326.
4. A. Precupas, D. Gheorghe, A. Botea-Petcu, A.R. Leontieş, R. Sandu, V.T. Popa, E. Mariussen, E.Y. Naouale, E. Rundén-Pran, V. Dumit, Y. Xue, M.R. Cimpan, M. Dusinska, A. Haase, S. Tanasescu, *Thermodynamic parameters at bio–nano interface and nanomaterial toxicity: A case study on BSA interaction with ZnO, SiO<sub>2</sub>, and TiO<sub>2</sub>*, Chemical Research in Toxicology, 33, 2020, 2054-2071.
5. F. Branzoi, A. Băran, L. Aricov, E. Alexandrescu, *The inhibition action of some organic polymers on the corrosion carbon steel in acidic media*, Chemical Papers, 74, 2020, 4315-4335.

2019

1. G. Stîngă, A. Băran, A. Iovescu, L. Aricov, D.F. Anghel, *Monitoring the confinement of methylene blue in pyrene labeled poly (acrylic acid)*, Journal of Molecular Liquids, 273, 2019, 125–133.
2. A. Băran, G. Stîngă, D.F. Anghel, F. Brânzoi, *Micellar size changing in the systems of octaethylene glycol mono(n-dodecyl) ether without and with poly(acrylic acid)*, Journal of Molecular Liquids, 284, 2019, 709-717.
3. I.C. Gîfu, M.E. Maxim, L.O. Cînteză, M. Popa, L. Aricov, A.R. Leontieş, M. Anastasescu, D.F. Anghel, R. Ianchiş, C.M. Ninciuleanu, S. G. Burlacu, C.L. Nistor, C. Petcu, *Antimicrobial Activities of hydrophobically modified poly(acrylate) films and their complexes with different chain length cationic surfactants*, Coatings, 9, 2019, 244.
4. F.C. Mihăilescu, M. Balcan, M.E. Maxim, D.F. Anghel, *Combustible microemulsions with diesel and diesel admixed with rapeseed oil*, Revista de Chimie, 70, 2019, 3163-3166.
5. I. Ion, G.R. Ivan, R.M. Senin, S.M. Donecea, L. Capra, C. Modrogean, O. Oprea, G. Stîngă, O. Orbulet, A.C. Ion, *Adsorption of triclocarban (TCC) onto fullerene C60 in simulated environmental aqueous conditions*, Separation Science and Technology, 54, 2019, 2759-2772.
6. S. Mocanu, I. Matei, A.R. Leontieş, V. Tecuceanu, A. Hanganu, Z. Minea, A. Stancu, E.I. Popescu, G. Ioniţă, *New flexible molecular probes bearing dansyl and TEMPO moieties for host-guest interactions in solution and gels*, New Journal of Chemistry, 43, 2019, 11233-11240.
7. A. Precupas, A.R. Leontieş, A. Neacşu, R. Sandu, V.T. Popa, *Gallic acid influence on bovine serum albumin thermal stability*, New Journal of Chemistry, 43, 2019, 3891-3898.
8. F. Brânzoi, A. Băran, *The inhibition effect of some organic compounds on corrosion of brass and carbon steel in aggressive medium*, International Journal of Electrochemical Science, 14, 2019, 2780-2803.
9. M. Rapa, R.N. Darie-Nita, P. Preda, V. Coroiu, R. Tatia, C. Vasile, E. Matei, A.M. Predescu, M.E. Maxim, *PLA/collagen hydrolysate/silver nanoparticles bionanocomposites for potential antimicrobial urinary drains*, Polymer-Plastics Technology and Materials, 58, 2019, 2041-2055.

2018

1. **E.L. Vasilescu, M. Balcan, G. Stîngă, A. Băran, I.C. Văcăreșteanu, L. Aricov, D.F. Anghel**, *A micellar decontamination strategy for removal of polycyclic aromatic hydrocarbons from environment*, Environmental Engineering and Management Journal, 17, 2018, 2813-2821.
2. **I.C. Gîfu, M.E. Maxim, A. Iovescu, L. Aricov, A.R. Leontieş, M. Anastasescu, C.M. Ninciuleanu, E. Alexandrescu, D.F. Anghel**, *Water-repellent glass by hydrophobically modified poly(acrylate) - surfactant complexes and silica*, Revue Roumaine Chimie, 63(5-6), 2018, 475-480.
3. **E.L. Simion, G. Stîngă, L. Aricov, D.M. Vuluga, D.F. Anghel**, *Influence of borax and a hydrophobically modified sodium polyacrylate with low molecular weight on SDS aggregation*, Revue Roumaine de Chimie, 63, 2018, 729-735.
4. L. Capra, M. Manolache, I. Ion, R. Stoica, **G. Stîngă**, S.M. Doncea, E. Alexandrescu, R. Somoghi, M.R. Calin, I. Radulescu, G.R. Ivan, M. Deaconu, A.C. Ion, *Adsorption of Sb (III) on oxidized exfoliated graphite nanoplatelets*, Nanomaterials, 8, 2018, 992.
5. S. Mocanu, G. Ionita, S. Ionescu, V. Tecuceanu, M. Enache, **A.R. Leontieş**, C. Stavarache, I. Matei, *New environment-sensitive bis-dansyl molecular probes bearing alkyl diamine linkers: Emissive features and interaction with cyclodextrins*, Chemical Physics Letters, 713, 2018, 226-234.

## 2017

1. **L. Aricov, A. Băran, G. Stîngă, E.L. Simion, I.C. Gîfu, D.F. Anghel**, V. Rădițoiu, *Formation and hosting properties of polyacrylate–surfactant complexes*, Colloid and Polymer Science, 295, 2017, 1017–1038.
2. **A. Băran, A. Iovescu, M. Gosecka, G. Stîngă, S. Peretz**, T. Basinska, S. Slomkowski, **M.E. Maxim, D.F. Anghel**, *Peculiarities of linear and hyperbranched polyglycidols in water and aqueous surfactant solutions*, European Polymer Journal, 94, 2017, 162–172.
3. **E.L. Simion, G. Stîngă, A. Iovescu, A. Băran, D.F. Anghel**, *Ageing of fluorescent and smart naphthalene labeled poly(acrylic acid)/cationic surfactant complex*, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 527, 2017, 81–88.
4. **I.C. Gîfu, M.E. Maxim, A. Iovescu, L. Aricov, E.L. Simion, A.R. Leontieş, M. Anastasescu, C. Munteanu, D.F. Anghel**, *Natural aging of multilayer films containing hydrophobically modified poly(acrylate)s or their complexes with surfactants*, Applied Surface Science, 412, 2017, 489–496.
5. **A.R. Leontieş, G. Stîngă, C. Ilie, D.F. Anghel**, *Physicochemical studies on ketoprofen encapsulated in Pluronic F127 nanomicelles for drug applications*, Revue Roumaine de Chimie, 62, 2017, 657-662.
6. S. Mocanu, I. Matei, S. Ionescu, V. Tecuceanu, G. Marinescu, P. Ioniţă, D. Culică, **A. Leontieş, G. Ioniţă**, *Complexation of β-cyclodextrin with dual molecular probes bearing fluorescent and paramagnetic moieties linked by short polyether chains*, PhysChem ChemPhys, 19, 2017, 27839-27847.
7. A. Precupaş, R. Sandu, **A.R. Leontieş, D.F. Anghel**, V.T. Popa, *Interaction of caffeic acid with bovine serum albumin is complex: Calorimetric, spectroscopic and molecular docking evidence*, New Journal of Chemistry, 41, 2017, 15003-15015.

## 2016

1. **L. Aricov, A. Băran, E.L. Simion, I.C. Gîfu, D.F. Anghel**, V.V. Jerca, D.M. Vuluga, *New insights into the self-assembling of some hydrophobically modified polyacrylates in aqueous solution*, Colloid and Polymer Science, 294, 2016, 667–679.
2. **G. Stîngă, A. Băran, A. Iovescu, D.F. Anghel**, *Self-aggregation of the pyrene labeled poly(acrylic acid) in nanoscopically crowded environments*, Journal of Photochemistry & Photobiology, A: Chemistry, 328, 2016, 33–41.
3. **E.L. Simion, G. Stîngă, A. Băran, L. Aricov, I.C. Gîfu, D.F. Anghel**, *Smart borax complexes starting from anionic surfactant in association with unlabeled or fluorescently labeled poly(acrylic acid)s*, Colloid and Polymer Science, 294, 2016, 927–939.
4. **G. Stîngă, M.E. Maxim, A. Iovescu, D.E. Mihăiescu, A. Băran, A.R. Leontieş, M. Balcan, D.F. Anghel**, *NRET - A rapid method to investigate the water-oil interface in reverse micellar systems*, Journal of Molecular Liquids, 214, 2016, 283–292.
5. **I.C. Gîfu, M.E. Maxim, A. Iovescu, E.L. Simion, L. Aricov, M. Anastasescu, C. Munteanu, D.F. Anghel**, *Surface hydrophobization by electrostatic deposition of hydrophobically modified poly(acrylates) and their complexes with surfactants*, Applied Surface Science, 371, 2016, 519–529.
6. **L. Aricov, H. Petkova, D. Arabadzhieva, A. Iovescu, E. Mileva, K. Khristov, G. Stîngă, C.F. Mihailescu, D.F. Anghel, R. Todorov**, *Aqueous solutions of associative poly(acrylates): Bulk and interfacial properties*, Colloids and Surfaces A: Physicochemical Engineering Aspects, 505, 2016, 138–149.

## 2015

1. **A. Iovescu, A. Băran, G. Stîngă, A.R. Cantemir-Leontieş, M.E. Maxim, D.F. Anghel**, *A combined binding mechanism of nonionic ethoxylated surfactants to bovine serum albumin revealed by fluorescence and circular dichroism*, Journal of Photochemistry & Photobiology, B: Biology, 153, 2015, 198–205.
2. A. Raditoiu, V. Raditoiu, D.C. Culita, **A. Băran, D.F. Anghel**, C.I. Spataru, V. Amariutei, C.A. Nicolae, L.E. Wagner, *Photophysical properties of some fluorescent materials containing 3-methoxy-7H-benzo[de]anthracen-7-one embedded in sol-gel silica hybrids*, Optical Materials, 45, 2015, 55–63.
3. F.A. Jerca, V.V. Jerca, **D.F. Anghel, G. Stîngă**, G. Marton, D.S. Vasilescu, D.M. Vuluga, *Novel aspects regarding the photochemistry of azo-derivatives substituted with strong acceptor groups*, Journal of Physical Chemistry C, 119, 2015, 10538–10549.
4. D. Donescu, M. Ghiurea, C. Spătaru, **G. Stîngă, D.F. Anghel**, M. Baibarac, I. Baltog, *1D-polyaniline starting from self-assembled systems*, Colloid and Polymer Science, 293, 2015, 2515–2524.
5. G. Coneac, V. Vlaia, I. Olariu, A.M. Muţ, **D.F. Anghel, C. Ilie**, C. Popoiu, D. Lupuleasa, L. Vlaia, *Development and evaluation of new microemulsion-based hydrogel formulations for topical delivery of fluconazole*, AAPS PharmSciTech, 16, 2015, 889–904.
6. **S. Peretz, D.F. Anghel, E. Vasilescu**, M. Florea-Spiroiu, C. Stoian, G. Zgherea, *Synthesis, characterization and adsorption properties of alginate porous beads*, Polymer Bulletin, 72, 2015, 3169–3182.
7. C. Stoian, **S. Peretz**, Gh. Zgherea, *Nature and stability of liquid-liquid colloidal systems containing safflower oil*, Revue Roumaine de Chimie, 60, 2015, 25–32.

## 2014

1. **A. Băran, G. Stîngă, D.F. Anghel, A. Iovescu**, M. Tudose, *Comparing the spectral properties of pyrene as free molecule, label and derivative in some colloidal systems*, Sensors and Actuators B, 197, 2014, 193–199.
2. **S. Peretz**, M. Florea-Spiroiu, **D.F. Anghel**, C. Munteanu, D. Angelescu, C. Stoian, G. Zgherea, *Chitosan-sodium lauryl ether sulfate particles and their use for adsorption of Cu(II) ions*, Journal of Applied Polymer Science, 131, 2014, 40059.
3. **M. Balcan, F.C. Mihăilescu, D.F. Anghel, I.C. Văcăreșteanu, L. Aricov, E.L. Vasilescu**, *Microemulsion systems containing diesel and colza oil as alternative fuels: Phase studies, interfacial tension and solubilization*, Fuel, 117, 2014, 251–258.
4. **T. Galaon, C. Văcăreșteanu, D.F. Anghel**, V. David, *Simultaneous ESI-APCI(+) ionization and fragmentation pathways for nine benzodiazepines and zolpidem using single quadrupole LC-MS*, Drug Testing and Analysis, 6, 2014, 439–450.
5. D.G. Angelescu, M. Anastasescu, **D.F. Anghel**, *Synthesis and modeling of calcium alginate nanoparticles in quaternary water-in-oil microemulsions*, Colloids and Surfaces A: Physicochemical Engineering Aspects, 460, 2014, 95–103.

## 2013

1. **A. Iovescu**, M. Gosecka, T. Basinska, **A. Băran, G. Stîngă**, S. Slomkowski, **D.F. Anghel**, *Spectroscopical properties of a DTAF-labeled hydrophilic-hydrophobic copolymer in water and surfactant micelles*, Dyes and Pigments, 97, 2013, 347-352.
2. C.I. Spătaru, V. Purcar, M. Ghiurea, C. Radovici, **G. Stîngă**, D. Donescu, *Effects of the nanoassociation of hexadecyltrimethoxysilane precursors on the sol-gel process*, Journal of Sol-Gel Science and Technology, 65, 2013, 344–352.
3. **T. Galaon, D.F. Anghel**, V. David, H.Y. Aboul-Enein, *Unusual temperature-retention dependences observed for several benzodiazepines in RP-HPLC using different mobile phase compositions*, Chromatographia, 76, 2013, 1623-1630.
4. **S. Peretz**, M. Florea-Spiroiu, **D.F. Anghel**, C. Stoian, G. Zgherea, *Chitosan microparticulate systems prepared by polymer-surfactant interaction*, Revue Roumaine de Chimie, 58(2-3), 2013, 275-281.
5. M. Florea-Spiroiu, D. Achimescu, I. Stanculescu, M. Purica, R. Gavrila, **S. Peretz**, *Anti-fog chitosan/sodium lauryl ether sulfate films*, Polymer Bulletin, 70 (12), 2013, 3305-3316.
6. I. Feraru, R. Iordanescu, M. Elisa, C. Vasiliu, A. Volceanov, S. Stoleriu, **S. Peretz**, M. Filipescu, *CdSe - doped phosphate glassy films obtained by PLD on silicon substrate*, Chalcogenide Letters, 10(11), 2013, 509-517.
7. D.G. Angelescu, G. Munteanu, **D.F. Anghel**, **S. Peretz**, A.V. Maraloiu, V.S. Teodorescu, *Formation mechanism of CdS Nanoparticle with tunable surface luminescence via non-ionic microemulsion route*, Journal of Nanoparticle Research, 15:1376, 2013, 1-15.
8. G. Ionita, G. Marinescu, **C. Ilie, D.F. Anghel**, D.K. Smith, V. Chechik, *Sorption of metal ions by poly(ethylene glycol)/ $\beta$ -CD hydrogels leads to gel-embedded metal nanoparticles*, Langmuir, 29, 2013, 9173–9178.

## 2012

1. **M.E. Maxim, G. Stînga, A. Iovescu, A. Băran, C. Ilie, D.F. Anghel**, *Monitoring methylene blue inclusion in reverse micellar nanostructure*, Revue Roumaine de Chimie, 57, 2012, 203-208.

2. **M.E. Maxim, G. Stîngă, A. Băran, A. Iovescu, D.F. Anghel**, *Probing the micelle/water interface by non-radiative energy transfer*, Revue Roumaine de Chimie, 57(9-10), 2012, 863-869.
3. **S. Peretz**, M. Florea-Spiroiu, **D.F. Anghel**, D. Bala, C. Stoian G. Zgherea, *Microparticles obtained by biopolymer-surfactant interaction: Influence of pressure*, Revue Roumaine de Chimie, 57, 2012, 443-447.
4. E.A. Dragu, S. Nica, M. Raicopol, **A. Băran, D.F. Anghel**, B. Cojocaru, L. Tarko, A.C. Razus, *Synthesis, solid-state photophysical properties and electropolymerization of novel diazulenyl ethenes*, Tetrahedron Letters, 53, 2012, 2611-2614.
5. **S. Peretz**, M. Florea-Spiroiu, **D.F. Anghel**, D. Bala, F. Branzoi, J. C. Moreno, *Chitosan/anionic surfactant microparticles synthesized by high pressure spraying method for removal of phenolic pollutants*, Central European Journal of Chemistry, 10, 2012, 1969-1979.

## 2011

1. **D.F. Anghel**, S. Saito, **A. Iovescu, A. Băran, G. Stîngă**, *Counterion effect of cationic surfactants upon the interaction with poly(methacrylic acid)*, Journal of Surfactants and Detergents, 14, 2011, 91-101.
2. V.V. Jerca, F.A Nicolescu, R. Trușcă, E. Vasile, **A. Băran, D.F. Anghel**, D.S. Vasilescu, D.M. Vuluga, *Oxazoline-Functional Polymer Particles Graft with Azo Dye*, Reactive and Functional Polymers, 71, 2011, 373-379.
3. M. Grouchko, A. Kamyshny, **C.F. Mihăilescu, D.F. Anghel**, S. Magdassi, *Conductive inks with a “built-in” mechanism that enables sintering at room temperature*, ACS NANO, 5(4), 2011, 3354–3359.
4. **M. Balcan, D.F. Anghel, C.F. Mihăilescu**, E. Stepan, *Reversed-phase high-performance liquid chromatographic analysis of biodiesel obtained from sunflower oil*, Revista de Chimie (București), 62(3), 2011, 255–260.
5. **S. Peretz, D.F. Anghel**, E. Teodor, G. Stanciu, C. Stoian, G. Zgherea, M. Florea- Spiroiu, *Improving the properties of CdS nanoparticles by adding polymers*, Particulate Science and Technology, 29(3), 2011, 229-241.
6. **C. Ilie**, S. Iancu, M. Duldner, **D.F. Anghel**, *Water-dispersible, biodegradable copolymers from PET wastes. I Investigation of hydrophilic character*, Revue Roumain de Chimie, 56(7), 2011, 725-734.
7. M. Elisa, R. Iordanescu, B.A. Sava, G. Aldica, V. Kuncser, C. Valsangiacom, G. Schintieie, F. Nastase, C. Nastase, V. Bercu, A. Volceanov, **S. Peretz**, *Optical and structural investigations on iron-containing phosphate glasses*, Journal of Materials Science, 46(6), 2011, 1563-1570.
8. G. Zgherea, C. Stoian, **S. Peretz**, *Analytical aspects regarding the flavor compounds in beer*, Journal of Liquid Chromatography & Related Technologies, 34(13), 2011, 1268-1282.

## 2010

1. **C. Ilie, D.F. Anghel, M. Balcan, A. Iovescu, G. Stîngă, A. Băran**, *The behavior of Carbopol 980 in aqueous solutions of nonionic surfactants. II. Evidence of complex formation by electrical conductivity, steady-state fluorescence, dye-solubilization and turbidity measurements*, Revue Roumaine de Chimie, 55(6), 2010, 341-347.

2. **C. Ilie, G. Stîngă, A. Iovescu**, V. Purcar, **D.F. Anghel**, D. Donescu, *The influence of nonionic surfactants on the Carbopol-PEG interpolymer complexes*, Revue Roumaine de Chimie, 55(7), 2010, 409-417.
3. V.V. Jerca, F.A. Nicolescu, **A. Băran, D.F. Anghel**, D.S. Vasilescu, D.M. Vuluga, *Synthesis and characterization of side-chain oxazoline-methyl methacrylate copolymers bearing azo-dye*, Reactive and Functional Polymers 70, 2010, 827–835.
4. B. Savu, **S. Peretz**, G.A. Stanciu, *CdS nanoparticles for laser scanning microscopy*, Optoelectronics and Advanced Materials - Rapid Communications, 4(4), 2010, 453-456.

## 2009

1. **C. Ilie, M. Balcan, A. Băran, A. Iovescu, G. Stinga**, M. Cornitescu, **D.F. Anghel**, *Le comportement du Carbopol 980 dans les solutions aqueuses des surfactifs non-ioniques. I. L'étude de la tension superficielle, de la viscosité et du pH*, Revue Roumaine de Chimie, 54(7), 2009, 533 - 538.
2. S.A. Gavan, F.M. Winnik, **M.E. Maxim, G. Stinga, C. Ilie, D.F. Anghel**, *Effects induced by ethoxylated nonionic surfactants on pyrene-labeled hydroxypropyl cellulose in aqueous solution*, Revue Roumaine de Chimie, 54 (3), 2009, 227-234.
3. S.A. Gavan, **D.F. Anghel**, *Fluorescent labels grafted on poly(acrylic acid) accounting for conformational changes through non-radiative energy transfer*, Revue Roumaine de Chimie, 54(3), 2009, 219–225.
4. R. Ianchis, D. Donescu, C. Petcu, M. Ghiurea, **D.F. Anghel, G. Stinga**, A. Marcu, *Surfactant-free emulsion polymerization of styrene in the presence of silylated montmorillonite*, Applied Clay Science, 45, 2009, 164-170.
5. **S. Peretz**, M. Olteanu, C. Stoian, *Microparticules de chitosan et d'alginate formées en présence des tensioactifs*, Revue Roumaine de Chimie, 54 (1), 2009, 75-83.
6. C. Stoian, M. Olteanu, G. Zherea, **S. Peretz**, *Stabilité des émulsions doubles réalisées en présence des polymères*, Revue Roumaine de Chimie, 54 (2), 2009, 173-179.
7. **S. Peretz**, B. Sava, M. Elisa, G. Stanciu, *Cadmium sulphide nanoparticles embedded in polymeric matrices*, Optoelectronics and Advanced Materials, 11 (12), 2009, 2098-2104.
8. M. Florea Spiroiu, M. Olteanu, V. Stanescu, S. Peretz, *Biopolymeric microcapsules for controlled release of pralidoxime chloride*, Materiale Plastice, 46(3), 2009, 295-299.

## 2008

1. **S. Peretz**, O. Cintea, *Removal of some nitrophenol contaminants using alginate gel beads*, Colloid and Surfaces A. Physicochemical and Engineering Aspects, 319, 2008, 165-172.

## 2007

1. **D.F. Anghel**, S. Saito, **A. Băran, A. Iovescu**, M. Cornitescu, *The aggregation of nonionic surfactants in the presence of poly(methacrylic acid)*, Colloid and Polymer Science, 285, 2007, 771–779.
2. **M. Balcan, D.F. Anghel**, D. Donescu, V. Raicu, *The retention behavior of ethoxylated nonionic surfactants in reversed-phase high performance liquid chromatographic systems*, Revue Roumaine de Chimie, 52 (8-9), 2007, 771-780.
3. **D.F. Anghel, D.M. Mihai, G. Stinga, A. Iovescu, A. Băran**, R.v. Klitzing, *A study upon the interaction of dodecylpyridinium chloride with sodium dextran sulfate*, Revue Roumaine de Chimie, 57 (8-9), 2007, 781-787.

4. D.H. Rapoport, **D.F. Anghel**, G. Hedicke, H. Mohwald, R.v. Klitzing, *Spatial distribution of polyelectrolytes in thin free-standing aqueous films resolved with fluorescence spectroscopy*, Journal of Physycal Chemistry C, 111, 2007, 5726-5734.
5. P. Nazaran, V. Bosio, W. Jaeger, **D.F. Anghel**, R.v. Klitzing, *Lateral mobility of polyelectrolyte chains in multilayers*, Journal of Physycal Chemistry B, 111, 2007, 8572-8581.
6. **S. Peretz**, O. Cinteza, *Sorbtia pe bile de alginat a unor derivati nitrofenolici din solutii apoase*, Revista de Chimie, 58(11), 2007, 1129-1133.

## 2006

1. **M. Balcan, D.F. Anghel**, D. Donescu, A.N. Galatanu, *The effect of mobile phase composition on the retention behavior of polydisperse ethoxylated nonylphenols in reversed-phase high performance liquid chromatography*, Revue Roumaine de Chimie, 51 (4), 2006, 299-302.

## 2005

1. D.F. Anghel, S. Saito, **A. Băran, A. Iovescu**, *Effects of temperature, pH and polymer concentration on the critical points in the interaction of C<sub>12</sub>E<sub>8</sub> with poly(acrylic acid)*, Revue Roumaine de Chimie, 50 (7-8), 2005, 570-578.
2. **M. Balcan, D.F. Anghel**, *The partition of ethoxylated non-ionic surfactants between two nonmiscible phases*, Colloid and Polymer Science, 283, 2005, 982-986.
3. **G. Stînga, D.M. Mihai, A. Băran, D.F. Anghel**, *Effect of organic solvents upon the basic hydrolysis of acetylsalicylic acid in aqueous-micellar solutions*, Revue Roumaine de Chimie, 50 (9-10), 2005, 767-775.
4. **S. Peretz**, *Alginate-metal ion interaction: influence of cationic surfactants*, Revue Roumaine de Chimie, 50 (1), 2005, 79-84.
5. **S. Peretz**, M. Olteanu, C. Radulescu, *Effect of some alcohols and methylene blue on the water/oil microemulsions*, Revue Roumaine de Chimie, 50(9), 2005, 799-804.

## Lucrari publicate in reviste non-ISI

1. F.A. Jerca, V.V Jerca, M.C. Spiridon, D.M. Vuluga, D.S. Vasilescu, **G. Stîngă, D.F. Anghel**, *Polymer architectures containing azobenzene type molecules in side-chains. Solvatochromic behavior*, Materiale Platice, 48, 2011, 273-278.
2. **M.E. Maxim, G. Stîngă, D.F. Anghel, A. Băran, A. Iovescu, C.F. Mihăilescu**, *Le transfert non-radiatif d'énergie (TNRE) dans les films minces multicouches assemblés avec des polymères greffés avec des chromophores*, Xème Colloque Franco-Roumain sur les Polymères, Polymères&Matériaux Avancés: Développement Durable et Performances, Douai, 2011, 21-24.
3. **S. Peretz, D.F. Anghel**, C. Stoian, G. Zgherea, *Removal of cyanide from wastewater by ion exchange*, Annals of "Dunarea de Jos" University of Galati. Mathematics, Physics, Theoretical Mechanics, Fascicle II, YearIII (XXXIV), Special Issue, Ed. Galati University Press, 2011, pp. 148-153, ISSN 2067-2071, B+(CNCSIS).

4. C. Stoian, G. Zgherea, **S. Peretz**, Comparative study on the stability of colloidal liquid/liquid systems preformed with edible oils, Annals of “Dunarea de Jos” University of Galati. Mathematics, Physics, Theoretical Mechanics, Fascicle II, YearIII (XXXIV), Special Issue, Ed. Galati University Press, 2011, pp. 171-179, ISSN 2067-2071, B+(CNCSIS).
5. M. Grecu, V. Năstăsă, M. Mareş, R. Moraru, L.D. Hrițcu, **C. Ilie**, Assessment of the anti-inflammatory action of the carprofen-beta cyclodextrins complex on experimental inflammation model in rats, Lucrări Științifice (Iași), 53 (12) 2010, 435-425.
6. M. Grecu, M. Mareş, V. Năstăsă, R. Moraru, **C. Ilie**, Comparative assessment of the anti-inflammatory effect of ketoprofen and ketoprofen – beta cyclodextrins complex on two experimental inflammation models in rats, Journal Fungi & Mycotoxins, 5, 2010, 1093-1098.
7. G. Zgherea, C. Stoian, **S. Peretz**, Mixtures with gradient of mobile phases utilized in hplc separations of 2,4-dinitrophenylhydrazones provided by inferior carbonyl compounds, Journal Food and Environment Safety of the Suceava University Food Engineering, Year IX, 2, 2010, pp. 18-22, ISSN 2068-6609.
8. M. Grecu, V. Nastasa, R. Moraru, M. Mares, D.L. Hritcu, X. Patras, **C. Ilie**, P. Cura, Pharmacoclinical considerations on the efficacy and tolerability of piroxicam -  $\beta$  cyclodextrin complex in nonspecific inflammatory disorder on dogs, Revista Lucrari Stiintifice de Medicina Veterinara, 52(11), 547-553, 2009, ISSN 1454-7406
9. **G. Stinga, A. Iovescu, A. Baran, M.E. Maxim, C. Ilie, D.F. Anghel**, A spectroscopic study of methylene blue solubilization in reverse micellar system, Journal of Colloids and Surface Chemistry, 2009.
10. **C. Ilie, D.F. Anghel, M. Balcan, A. Iovescu, A. Baran, G. Stinga**, Interaction of nonionic triblock copolymeric (Poloxamer) surfactant with cross-linked poly (acrylic acid), Journal of Colloids and Surface Chemistry, 2009.
11. **S. Peretz, D.F. Anghel**, M. Olteanu, C. Stoian, G. Zgherea, Influence of alcohols and a cationic dye on the behaviour of water/oil microemulsions, Journal of Colloid and Surface Chemistry, 9(1), 2009, 15-26, ISSN 1841-897X.
12. C. Stoian, **S. Peretz**, G. Zgherea, Factors influencing the obtaining and the stability of double emulsions made with corn oil, Annals of the University Dunarea de Jos of Galati. Fascicle VI – Food Technology, New Series YearIII (XXXIII), vol.II, Editura Galati University Press, 2009, 57-61, ISSN 1842-6506.
13. **S. Peretz, D.F. Anghel**, M. Florea Spiroiu, C. Stoian, G. Zgherea, Effect of surfactants on synthesis and properties of biopolymer microparticles, Proceeding of the 2nd International Conference on Polymers Processing in Engineering - PPE 2009, Galati, Romania, 2009, 189-196, ISSN 2066-9984.
14. C. Stoian, **S. Peretz**, G. Zgherea, Determining the mechanism of destruction of double emulsions with polymers, Proceeding of the 2nd International Conference on Polymers Processing in Engineering - PPE 2009, Galati (Romania), 2009, 181-188, ISSN 2066-9984.
15. C. Stoian, G. Zgherea, M. Olteanu, **S. Peretz**, Study of the diluted polydispersed double emulsions stability, Buletinul Universitatii Petrol-Gaze Ploiesti, vol. LX, no. 4B/2008, 245-249, ISSN: 1224-8495.
16. **S. Peretz**, M. Olteanu, C. Stoian, G. Zgherea, E. Teodor, **D.F. Anghel**, Behavior of semiconductor nanoparticles in polymer matrices, Journal of Colloid and Surface Chemistry, 8(2), 2008, 13-22, ISSN 1841-897X.
17. G. Paun-Roman, V. Moreanu, E. Neagu, **M. Maxim, G. Stinga**, G.L. Radu, Organic solvent, surfactant and cosurfactant effect in the reverse micelles obtaining process, Proceedings Romanian International Conference on Chemistry and Chemical Engineering (RICCCE) XV, Sinaia, September 19-22, 2007, p. 3-9.

18. **S. Peretz**, M. Olteanu, C. Radulescu, *The behavior of water/oil microemulsions in the presence of alcohols*, Proceedings of the 8th Symposium of Colloid and Surface Chemistry, Galati, Romania, 2005, 140-141.

### Cărți, capitole de cărți:

1. **A.R. Leontieș, L. Aricov**, A. Raducan, *Electron transfer: Mechanisms in oxidoreductase enzymes* (DOI: 10.4018/978-1-6684-7198-2.ch016), in G. Duca, A. Vaseashta (Eds.), Fundamental and Biomedical Aspects of Redox Processes, IGI Global, Hershey, PA USA, 2023, pp. 344-368. ISBN13: 9781668471982|ISBN10: 1668471981|EISBN13: 9781668472002; DOI: 10.4018/978-1-6684-7198-2
2. **L. Aricov, A.R. Leontieș**, I. Matei, G. Ioniță, *Cyclodextrins as bricks for tuning polymer properties*, in Rashid Ali (Ed.), Cyclodextrins - New perspectives, IntechOpen, London, United Kingdom, 2022, DOI: 10.5772/intechopen.105688.
3. **S. Peretz, D.F. Anghel, E.L. Simion**, M. Ruse, C. Stoian, M. Elisa, I. Feraru, *Preparation of Fe<sub>3</sub>O<sub>4</sub> magnetic nano and micro-particles coated with polymers*, in M. Zaharescu, H. Chiriac, D. Dascălu (Eds.) Nanomaterials, Nanoparticles, Nanodevices, Editura Academiei Române, București 2016, pp. 9-31. ISBN: 978-973-27-2643-3.
4. **S. Peretz, D.F. Anghel**, M. Florea-Spiroiu, C. Stoian, G. Zgherea, *Synthesis, size control and stability of CdS nanoparticles in water/oil microemulsions containing polymers*, in Nanostructuring and Nanocharacterization, series Micro- and Nanoengineering, Eds. M. Zaharescu, M. Ciurea, I. Kleps, D. Dascalu, vol 16, Editura Academiei Romane, Bucuresti, 2010, pp.174-191 - ISBN 978-973-27-1905-3.
5. **S. Peretz**, C. Stoian and Gh. Zgherea, *Synthesis of quantum dots in microheterogeneous media in presence of polymers*, in International Conference of Applied Sciences. Chemistry and Chemical Engineering CISA 2010, Editura Alma Mater, Bacau, 2010, pp. 247-254, ISSN 2066-7817.
6. C. Stoian, **S. Peretz**, G. Zgherea, *Facteurs influençant la dispersion des emulsions doubles directe*, in International Conference of Applied Sciences. Chemistry and Chemical Engineering CISA 2010, Editura Alma Mater, Bacau, 2010, pp. 285-292, ISSN 2066-7817.
7. G. Zgherea, C. Stoian, **S. Peretz**, *A spectrophotometric method to obtain the kinetic parameters values of thiosulfuric acid decomposition*, in International Conference of Applied Sciences. Chemistry and Chemical Engineering CISA 2010, Editura Alma Mater, Bacau, 2010, pp. 199-211, ISSN 2066-7817.
8. **S. Peretz, D.F. Anghel**, E. Teodor, M. Elisa, B. Savu, *Investigation on semiconductor nanoparticles prepared in polymeric matrices*, in New applications of micro- and nanotechnologies series Micro- and nanoengineering, Eds. M. Zaharescu, L. Giurgiu, D. Dascalu, vol 14 – Editura Academiei Romane, Bucuresti, 2009, p. 111-129, ISBN 978-973-27-1803-2.
9. C. Stoian, **S. Peretz**, G. Zgherea, M. Olteanu, *Utilisation de l'analyse disperse pour obtenir emulsions doubles concentrées simplement monodispersées*, in International Conference of Applied Sciences. Chemistry and Engineering Chemistry CISA 2009, Editura Alma Mater, Bacau 2009, p. 190-197, ISSN 2066-7817.
10. G. Paun, V. Moroceanu, E. Neagu, **A. Baran, A. Iovescu, G. Stinga, D.F. Anghel**, G.L. Radu, G. Nechifor, *Nanoreactoare enzimatiche micelare*, in Tehnici experimentale in bioanaliza, Ed. G.L. Radu, Printech, Bucuresti, vol. 7, 2008, p. 116-177, ISBN 978-606-521-078-3.

11. **S. Peretz**, M. Elisa, B. Sava, G. Zgherea, C. Stoian, *Synthesis of CdS nanocrystals coated with some polymers*, in Chimia coloizilor si suprafetelor, al IX-lea Simpozion de Chimia Coloizilor si Suprafetelor, 29-30 mai, Galati, Romania, Editura Galati University Press, Galati, 2008, p. 46-49, ISSN 2065-3603.
12. G. Zgherea, C. Stoian, M. Olteanu, **S. Peretz**, *Étude des émulsions doubles réalisées avec de l'huile de sésame*, in International Conference of Applied Sciences. Chemistry and Engineering Chemistry CISA 2008, Editura Alma Mater, Bacau 2008, p. 76-82, ISBN 978-973-1833-86-6.
13. **S. Peretz**, *Synthesis of alginate microparticles and their use in wastewater cleaning*, in Progress in nanoscience and nanotechnologies, Eds. I. Kleps, A.C. Ion, D. Dascalu, Editura Academiei Romane, Bucuresti, 2007, p. 239-250, ISBN 978-973-27-1576-5.
14. **D.F. Anghel**, *Interactions in fluorescently labeled polyelectrolyte and surfactant systems*, in Focus on Ionic Polymers, Ed. E.S. Dragan, Research Signpost, Kerala, India, 2005, p. 203-222, ISBN 81- 7736-285-2.