

Lista de lucrări

Şef lucrări dr. Gâz Florea Şerban Andrei

a. Teza de doctorat

Design, synthesis and structural analysis of some new spirans, macrocycles and molecular devices. Supramolecular chemistry to the new frontiers, 2010, Prof. dr Grosu Ion, Universitatea Babeş Bolyai

b. Cărţi de specialitate

Autor Principal

1. Avrigeanu Veronica, Mircia Eleonora, **Gâz Florea Şerban Andrei** – *Elemente De Chimie Organică Experimentală*, Editura RISOPRINT, Cluj-Napoca, 2012

Înainte de ultima promovare

2. **Şerban Andrei Gâz Florea**, Adriana Gâz Florea - *Bazele Spectroscopiei IR în Analiza Structurală Organică*, Editura RISOPRINT, Cluj-Napoca, 2011

c. Capitole în volume colective

d. Lucări publicate în extenso

(1) Articole în reviste cotate ISI, cu factor de impact

Autor Principal

După ultima promovare

1. **Andrei Șerban Gâz**, Francisc Andrei Boda, Rahela Roxana Pop – *Imidazole Derivatives and their Antibacterial Activity – a Mini-Review*, Mini Review in Medicinal Chemistry, 2020, DOI: 10.2174/1389557520999201209213648, IF(2019)=2,733 (Q4);
2. Francisc-AB, Pál S, Orbán C, Berta L, Curticăpean A, **Gâz ȘA***, Dogaru M – *Heterologous Expression and Purification of Recombinant Crotoxin B, the Phospholipase A2 Subunit of Crotoxin*, *Studia Univ. “Babes-Bolyai”, Chemia*, 2018, *LXIII (1)*, 7–20, DOI: 10.24193/subbchem.2018.1.01, IF(2018)=0,275 (Q4);
3. Man A, **Gâz Florea ȘA***, Mare AD, Berta L – *Effects of low-molecular weight alcohols on bacterial viability*, *Revista Romana de Medicina de Laborator* 2017, 25(4):335-343, DOI: 10.1515/rrlm-2017-0028, IF(2017)=0,4 (Q3);
4. Berța (Grama) L, Boda FA, Borodi G, Rusu A, Kelemen H, Man A, Mare A, **Gâz-Florea ȘA** – *Two New Sandwich-Type Compounds Based On {Asw₉} With Pd²⁺ And Pr⁴⁺ Cations – Synthesis, Characterization And Antibacterial Activity*, *Farmacia* 2017,65(1):63-68, IF(2017)=1,507;

Înainte de ultima promovare

5. **Gâz ȘA**, Dobra I, Woiczehowski-Pop A Varga RA, Grosu I -*3,9-Diisopropyl-2,4,8,10-tetrathiaspiro[5.5]undecane*, *Acta Crystallographica Section E*, 2010, E66, o2618, DOI: 10.1107/S1600536810037281, IF(2010)=0,413(Q4);
6. **Gâz ȘA**, Condamine E, Bogdan N, Terec A, Bogdan E, Ramondenc Y, Grosu I -*Synthesis and stereochemistry of some new spiro and polyspiro-1,3-dithiane derivatives*, *Tetrahedron*, 2008, 64, 7295-7300, DOI: 10.1016/j.tet.2008.05.065, IF(2008)=2,897 (Q2);

Co-autor

După ultima promovare

7. Mircia E, Hancu G, Nițu O, Kelemen H, Cârțu-Dobrin M, **Gâz ȘA**, Balaci T *Simultaneous Determination Of Fibrates By Micellar Electrokinetic Capillary Chromatography*, Farmacia 2017,65(1):109-113, IF(2017)=1,507

8. Croitoru MD, Petkes HI, Fülöp I, Cotârlan R, Șerban OE, Dogaru TM, **Gâz Florea ȘA**, Tokés B, Majdik C – *Nitrones: Not only extraordinary spin traps, but also good nitric oxide sources in vivo*, Acta Pharmaceutica 2015,65(4):413-426, DOI: 10.1515/acph-2015-0032, IF(2015)=1,312 (Q4); **(a fost echivalat cu 5 articole BDI pentru îndeplinirea criteriului specific din fișa de verificare a îndeplinirii a standardelor minimale – ANEXA F03)**

9. Grama L, Man A, Muntean DL, **Gâz Florea ȘA**, Boda FA, Curticăpean A – *Antibacterial activity of some saturated polyoxotungstates*, Revista Romana de Medicina de Laborator 2014, 22(1):111-118, DOI: 10.2478/rrlm-2014-0007, IF(2014)=0,239 (Q3);

10. Nath NK, Manoj K, **Gâz ȘA**, Naumov P – *Visible-light-induced photodimerization of a photoactive yellow protein (PYP) chromophore model in a single crystal*, Chemistry - A European Journal 2013, 19 (25), 8094-8099, DOI: 10.1002/chem.201300427, IF(2013)=5,696 (Q1);

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11. Cârțu M, Petran A, **Gâz ȘA**, Bogdan E, Terec A, Raț CI, Varga RA, Grosu I -*Synthesis and structure of new crown ethers with 1,4-phenylene and 1,4-naphthylene units*, Journal of Molecular Structure, 2011, 996, 17-23, DOI: 10.1016/j.molstruc.2011.01.052, IF(2011)=1,634 (Q3);

(2) Articole în reviste cotate ISI, fără factor de impact

12. Strnad G, Cazacu R, Chetan P, **Gâz Florea AȘ**, Peti F – *Effect of phosphate/fluoride electrolytes on mass and dimensional stability of anodization bath manufactured by FDM*, MATEC Web of Conferences 137, 02012, 2017, doi.org/10.1051/MATECCONF/201713702012;

(3) Articole în reviste indexate BDI

Autor Principal

După ultima promovare

1. Lavinia Berta, **Andrei Gâz***, Francisc Boda, Augustin Curticapean – *Silver Cation Coordination Study to AsW9 Ligand – A Trilacunar Arsenotungstate Compound*, Acta Medica Marisiensis 2017, 63(2):70-72 (DOI: 10.1515/amma-2017-0018);
2. **Andrei-Șerban Gâz-Florea** – Fresh or Frozen Berry Fruits? Acta Medica Marisiensis 2017; 63(2); 1;
3. **Șerban Andrei Gâz-Florea**, Eleonora Mircia, Lavinia Berța (Grama) – *Precursor Synthesis of Some New Macrocyclic Compounds*, Acta Medica Marisiensis 2017;63(1):27-30 (DOI: 10.1515/amma-2017-0005);
4. **Gâz Florea Șerban Andrei**, Ciurca Diana, Mare Anca, Man Adrian, Bogdan Cordoș, Anda-Lavinia Grama, Daniela-Lucia Muntean – *New RP-HPLC method for separation of Naja haje haje venom and studies of its bactericidal effect*, Acta Medica Marisiensis 2016;62(1):90-94 (DOI: 10.1515/amma-2015-0113);
5. **Gâz Florea Șerban Andrei**, Gâz Florea Adriana, Kelemen Hajnal, Daniela-Lucia Muntean – *Snake Venom Metalloproteinases*, Acta Medica Marisiensis 2016;62(1):106-111 (DOI: 10.1515/amma-2015-0114);

Co-autor

După ultima promovare

6. Helemen H, Hancu G, **Gâz-Florea ȘA**, Nemes-Nagy E, Papp LA, Mircia E – *Characterization of Inclusion Complexes between Miconazole and Different Cyclodextrin Derivatives*, Acta Medica Marisiensis 2018, 64(2):70-76 (DOI: 10.2478/amma-2018-0012);
7. Grama Lavinia, Boda Francisc, **Gâz Florea Andrei Șerban**, Curticăpean Augustin, Muntean Daniela-Lucia – *The UV and IR Comparative Spectrophotometric Study of Some Saturated and Lacunary Polyoxometalates*, Acta Medica Marisiensis 2014;60(3):84-88 (DOI: 10.2478/amma-2014-0017);

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8. N. Bogdan, F. Pop, **S. A. Gâz**, E. Bogdan, A. Terec, L. David, I. Grosu – *Synthesis and Structural Analysis of Some New Precursors of Macrocyclic Cyclophanes: 1,4-Bis(2-R-5,5-dimethyl-1,3-Dioxan-2-yl)benzene*, Studia Univ. “Babes-Bolyai”, Chemia 2006, LI (1), 3–12;
9. Niculina Bogdan, **Șerban Andrei Gâz**, Flavia Pop, Elena Bogdan, Ana Terec, Luminița David, Ion Grosu – *Synthesis and Structural Analysis of Some New Precursors of Macrocyclic Cyclophanes: 1,4-Bis(2-R-5-R1-1,3-Dioxan-2-yl)benzene Derivatives*, Studia Univ. “Babes-Bolyai”, Chemia 2006, LI (1), 13–20;

e. Articole publicate în rezumat

1. Lavinia Berța (Grama), Francisc Boda, Andrei Cioloca, **Șerban Andrei Gâz Florea**, Anca Mare, Adrian Man, Augustin Curticăpean “*Antifungal activity of $Na_8[HASW_9O_{33}]*17H_2O$ and $Na_6[(AsW_9O_{33})_2Pt_3]*46H_2O$, $Na_{12}[(AsW_9O_{33})_2Pd_3]*24H_2O$ complexes*” Volum de rezumate CNFR **2016** București, UMF “Carol Davila” București ISSN 2537–2823, ISSN-L 2537-2823, pg.79;
2. Ilie Marilena, Neacșu Ana Maria, **Gâz Florea Șerban Andrei** “*Determination of total hardness of mineral waters by EDTA titrations*” *Acta Medica Marisiensis* **2016**, 62, Supplement 4, pg. 94, ISSN 2068–3324;
3. Ciobanu Diana, Sarkany Anita, Bojan Andrada, **Gâz Florea Șerban** “*UV-VIS spectrometry determination of caffeine from chocolate*” *Acta Medica Marisiensis* **2015**, 61, Supplement 2, pg. 84, ISSN 2068–3324;
4. **Gâz Florea Șerban Andrei**, Ciurca Diana, Cordoș Bogdan, Gâz Florea Adriana, Daniela-Lucia Muntean „*Separation and identification of proteins from venom of Naja Naja Haje and Bothrops Atrox by high pressure liquid chromatography*”, First Euroregional Conference for PhD students and young researchers in biomedicine, 27-28 March, **2015**, Timișoara, România ISBN 978-606-8456-23-2, pg. 62;
5. Carmen Maria Ruz, Laura Elena Gliga, **Șerban Andrei Gâz Florea** “*Identification and quantification of parabens in cosmetic products by RP-HPLC method*” *Acta Medica Marisiensis* **2014**, 60, Supplement 3, 113-114, ISSN 2068–3324;
6. Diana Ciurcă, Anca Teodora Berdan, Bogdan Cordoș, **Șerban Andrei Gâz Florea** “*Developing an optimal RP-HPLC and gel electrophoresis methods for separation and identification of Naja haje snake venom enzymes*” *Acta Medica Marisiensis* **2014**, 60, Supplement 3, 112, ISSN 2068–3324;

7. Nicoleta Pascari, Rodica Someșan, Laurenț Ognean, **Șerban Andrei Gâz Florea** “Assay of calcium and magnesium from cheese products by complexometry and ICP method” *Acta Medica Marisiensis* **2014**, 60, Supplement 3, 115, ISSN 2068–3324;
 8. Paler Ioana, Avriganu Veronica, **Gâz Florea Șerban Andrei** “What is not poison? All things are poisons and nothing is without toxicity? Organometallic compounds as possible anticancer drugs” *Acta Medica Marisiensis* **2014**, 60, Supplement 3, 126-127, ISSN 2068–3324;
 9. Niculoiu Iulia Maria, Avriganu Veronica, **Gâz Florea Șerban Andrei** “Supramolecular Drug Carriers” *Acta Medica Marisiensis* **2014**, 60, Supplement 3, 125, ISSN 2068–3324;
 10. Stănescu Ștefana, Mircia Eleonora, **Gâz Florea Șerban Andrei** “Determination of L-Ascorbic acid by UV-VIS Spectroscopy” *Acta Medica Marisiensis* **2013**, 59, Supplement 1, 84, ISSN 2068–3324;
 11. **Gâz Florea Șerban Andrei**, Ciurcă Diana, Berdan Anca, Avriganu Veronica “Venom Metalloproteinase” *Acta Medica Marisiensis* **2013**, 59, Supplement 4, 58, ISSN 2068–3324;
 12. **Gâz Florea Șerban Andrei** „Impurities profiling of clarithromycin exposed to light degradation using an HPLC method” 12th International Symposium and Summer School on Bioanalysis, 4-14 iulie **2012**, Cluj Napoca, Universitatea de Medicină și Farmacie Iuliu Hațieganu, CEEPUS CIII-HU-0010-06-1112;
 13. **Gâz Florea Șerban Andrei** „Synthesis of new supramolecular compounds with possible applications in pharmaceutical science” Sesiunea anuală de comunicări științifice a cadrelor didactice, 15-16 Decembrie **2011**, Tîrgu Mureș, Universitatea de Medicină și Farmacie Tîrgu Mureș;
- Înainte de ultima promovare
14. **Șerban Andrei Gâz**, Veronica Avriganu, Ion Grosu “Novel podands as intermediate in drug synthesis” *Acta Medica Marisiensis* **2010**, 56, Supplement 2, 6-7, ISSN 2068–3324;
 15. Veronica Avriganu, Eleonora Mircia, **Șerban Andrei Gâz** “N,N’-bis(2-hydroxyethyl)terephthaldiamide – synthesis and physical-chemical characterization” *Acta Medica Marisiensis* **2010**, 56, Supplement 2, 13, ISSN 2068–3324;
 16. **Șerban-Andrei Gâz**, Elena Bogdan, Ana Terec, Niculina Bogdan, Ion Grosu “New cyclophanes with possible applications in molecular electronics as logical gates” 10th Young Scientists Conference on Chemistry, 27 - 29 April 2008, Rostock, Germany;
 17. Elena Bogdan, Monica Cîrcu, Mihaela Țințaș, Șerban-Andrei Gâz, Ion Grosu “Molecular Chirality: Design, Synthesis and Structural Analysis of New Chiral Spiro-1,3-dioxane

Macrocycles” Romanian International Conference on Chemistry and Chemical Engineering, RICCCE, 2007, Sinaia, România;

18. Delia Gligor, Șerban-Andrei Gâz, Liana Mureșan, Elena Bogdan, Ion Grosu “*Carbon paste electrodes incorporating zeolite or clay modified with a new spiro-1,3-dithiane*” International Symposium of Metastable and Nano Materials, 26 -30 August 2007, Corfu, Greece;

19. Șerban-Andrei Gâz, Gérard Plé, Yvan Ramondenc, Ion Grosu “*New Spiro – 1,3 - Dithianes And Macrocycles with Spiranic Units: Synthesis, Structural Analysis and Stereochemistry*” A XXIX-a Conferință Națională de Chimie Călimănești-Căciulata, 4-6 October 2006, Călimănești-Căciulata, Romania;

20. Șerban-Andrei Gâz, Terec Anamaria, Gérard Plé, Yvan Ramondenc, Ion Grosu “*Synthesis, structural analysis and properties of some new thia-macrocycles with spiranic units*” 5th International Conference of the Chemical Societies of the South-East European Countries (ICOSECS 5), September 10-14 2006, Hotel Metropol, Ohrid, Macedonia;

21. Gâz, S. A, Gropeanu, R., Roiban, D., & Grosu, I. “*Synthesis, Stereochemistry And Reactivity Of Some 2-Methyl-2-(3’-Nitrophenyl)-4-Hydroxymethyl-1,3-Dioxolane*” 5th European Conference on Mineralogy and Spectroscopy (ECMS), September 4th - 8th 2004, Vienna, Austria;

22. Roiban, D. G., Gropeanu, R., Gâz, S. A. & Grosu I. “*Spectroscopic Methods Used For Structure Investigation Of Some New Dioxanes Derivatives*” 5th European Conference on Mineralogy and Spectroscopy (ECMS), September 4th - 8th 2004, Vienna, Austria;