

INFORMAȚII PERSONALE

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EXPERIENȚA PROFESIONALĂ

(17.02.2020 - prezent)

Conferențiar universitar

Universitatea Alexandru Ioan Cuza din Iași

- Compuși organici biologic activi: curs și laborator
- Medicamente de sinteză: curs și laborator

(01.10.2015 – 17.02.2020)

Lector universitar

Universitatea Alexandru Ioan Cuza din Iași

- Compuși organici bioactivi: curs și laborator

(16.02.2015 – 01.10.2015)

Asistent universitar

Universitatea Alexandru Ioan Cuza din Iași

- Activități didactice de seminar și laborator

(28.09.2009 – 16.02.2015)

Preparator universitar

Universitatea Alexandru Ioan Cuza din Iași

- Activități didactice de seminar și laborator

EDUCAȚIE ȘI FORMARE

22.07.2025

**Atestat de abilitare în domeniul de studii universitare de doctorat
Chimie, conform OMEC nr. 4628/22.07.2025**

Titlul tezei de abilitare: ***From supramolecular chemistry to antimicrobial agents through fine organic synthesis***

(01.06.2018 – 30.04.2020)

Studii postdoctorale

Universitatea Alexandru Ioan Cuza din Iași

(03.10.2011 – 30.09.2014)

**Studii doctorale, obținerea titlului științific de doctor în domeniul Chimie, conform
OMEN nr. 3181/06.02.2015**

Universitatea Alexandru Ioan Cuza din Iași

Titlul tezei de doctorat: ***Noi derivați de [2.2]paraciclofani***

(01.04.2013 – 31.08.2013)

Mobilitate studiu

Universitatea Tehnică Braunschweig, Institutul pentru Chimie Organică, Germania

(01.07.2012 – 30.09.2012)

Mobilitate practică

Universitatea Tehnică Braunschweig, Institutul pentru Chimie Organică, Germania

(01.10.2007 – 26.06.2009)

Studii de master

Universitatea Alexandru Ioan Cuza din Iași

- Specializarea Chimia și biochimia compușilor heterociclici

(01.10.2003 – 30.06.2007)

Studii de licență

Universitatea Alexandru Ioan Cuza din Iași
▪ Specializarea Chimie

PROIECTE DE CERCETARE

(03.12.2015 – 30.11.2016) **Grant pentru Tineri Cercetători, *Tetrathiafulvalene-[2.2]paracyclophane hybrid systems***

GI-04-2015, UAIC

Valoare: 20.000 lei

Director de proiect

PUBLICAȚIILE REZULTATE

1. Pavel, S., Hopf, H., Jones, P.G., Asaftei, I.V., **Sarbu, L.G.**, Birsă, L.M. Click reactions with *pseudo-geminal* bis(azido-methylene)[2.2]paracyclophane. *Monatsh. Chem.* **2016**, 147 (12), 2179-2183. <http://dx.doi.org/10.1007/s00706-016-1842-3>
2. Dirtu, D.; Lungu, N.C.; Chirita, P.; Sandu, I.G.; Birsă, M.L.; Earar, K.; **Sarbu, L.G.*** Synthesis of Novel 4-(3,5-Dibromo-2-hydroxyphenyl)-5-Methyl-1,3-Dithiol-2-ylidene Derivatives *Rev. Chim. (Bucharest)* **2016**, 67 (3), 534-537.

(01.06.2018 – 30.04.2020) **Proiect de cercetare postdoctorală, *The synthesis of new hybrid [2.2]paracyclophane-flavonoids systems with potential antimicrobial activity***

PN-III-P1-1.1-PD-2016-0962

Valoare: 250.000 lei

Director de proiect

PUBLICAȚIILE REZULTATE

1. **Sarbu, L.G.**, Bahrin, L.G., Hopf, H., Birsă, L.M., *Studia Chem.* **2019**, 64 (3), 7-16. doi:10.24193/subbchem.2019.3.01.
2. **Sarbu, L.G.**; Shova, S.; Peptanariu, D.; Sandu, I.A.; Birsă, L.M.; Bahrin, L.G. The Cytotoxic Properties of Some Tricyclic 1,3-Dithiolium Flavonoids. *Molecules* **2019**, 24, 2459. <https://doi.org/10.3390/molecules24132459>
3. **Sarbu, L.G.**, Bahrin, L.G., Babii, C., Stefan, M., Birsă, M.L. Synthetic flavonoids with antimicrobial activity: a review. *J. App. Microbiol.* **2019**, 127, 1282-1290. <https://doi.org/10.1111/jam.14271>
4. **Sarbu, L.G.**, Lungu, N.C., Sandu, I., Chirita, P., Bahrin, L.G. Synthesis of 2-Pyrrolydiny-1,3-Dithiolium Derivatives from Propiophenones. *Rev. Chim. (Bucharest)* **2019**, 70 (4), 1311-1314.
5. **Sarbu, L.G.**, Lungu, N.C., Sandu, I. 2-Alkylimino-4-(2-Hydroxyaryl)-1,3-Dithiols Derivatives. *Rev. Chim. (Bucharest)* **2019**, 70 (3), 745-748.
6. Lungu, C.N., Sandu, I., **Sarbu, L.G.*** 5-Methyl-4-(5-Bromo-2-hydroxyphenyl)-1,3-Dithiolium Derivatives. *Rev. Chim. (Bucharest)* **2018**, 69 (12), 3549-3552.

(08.01.2025 – 31.12.2026) ***Tricyclic 1,3-dithiolium flavonoids with antimicrobial properties***

PN-IV-P7-7.1-PED-2024-1393

Membru în echipă

(2019-2020) ***New synthetic flavonoids with antimicrobial applications***

PN-III-P3-3.1-PM-RO-FR-2019-0102

Membru în echipă

(2017-2018) ***1,3-Dithiolium flavonoids with antimicrobial activities***

PN-III-P2-2.1-PED-2016-1817

Membru în echipă

(2012-2016) ***The study of the effect of organic complexing agents of Fe(III) or Fe(II) on iron monosulfide oxidative dissolution***

PN-II-PT-PCCA-2011-3.1-0683

Membru în echipă

SELECȚIE PUBLICAȚII *

1. **Sarbu, L.G.**; Dumitru, A.A.; Savu, M.; Sandu, I.A.; Bahrin, L.G.; Stefan, M.; Birsa, M.L. The Antimicrobial and Cytotoxicity Properties of New Dibrominated 1,3-Dithiolium Flavonoids. *Pharmaceuticals* **2026**, *19*, 259. <https://doi.org/10.3390/ph19020259>
2. Birsa, M.L.; **Sarbu, L.G.*** Iodine-Substituted Dithiocarbamic Flavanones—A Structure–Activity Relationship Study of Their Antioxidant Properties. *Molecules* **2025**, *30*, 2280. <https://doi.org/10.3390/molecules30112280>
3. **Sarbu, L.G.***; Rosca, I.; Birsa, M.L. Antibacterial and Antifungal Properties of New Synthetic Tricyclic Flavonoids. *Antibiotics* **2025**, *14*, 307. <https://doi.org/10.3390/antibiotics14030307>
4. Birsa, M.L.; **Sarbu, L.G.*** Novel Dithiocarbamic Flavanones with Antioxidant Properties—A Structure–Activity Relationship Study. *Int. J. Mol. Sci.* **2024**, *25*, 13698. <https://doi.org/10.3390/ijms252413698>
5. Birsa, M.L.; **Sarbu, L.G.*** A Structure–Activity Relationship Study on the Antioxidant Properties of Dithiocarbamic Flavanones. *Antioxidants* **2024**, *13*, 963. <https://doi.org/10.3390/antiox13080963>
6. Birsa, M.L.; Hopf, H.; Jones, P.G.; **Sarbu, L.G.***; Bahrin, L.G. [2.2]Paracyclophane Derivatives as Building Blocks for Coordination Polymers. *Materials* **2023**, *16*, 4051. <https://doi.org/10.3390/ma16114051>
7. **Sarbu, L.G.**; Bahrin, L.G.; Babii, C.; Stefan, M.; Birsa, M.L. Synthetic flavonoids with antimicrobial activity: a review. *J. App. Microbiol.* **2019**, *127*, 1282-1290. <https://doi.org/10.1111/jam.14271>
8. Bahrin, L.G.; **Sarbu, L.G.**; Jones, P.G.; Birsa, L.M.; Hopf, H. [2.2]Paracyclophane-Bis(triazole) Systems: Synthesis and Photochemical Behavior. *Chem. Eur. J.* **2017**, *23* (50), 12338-12345. <https://doi.org/10.1002/chem.201701593>
9. **Sarbu, L.G.**; Bahrin, L.G.; Jones, P.G.; Birsa, M.L.; Hopf, H. [2.2]Paracyclophane derivatives containing tetrathiafulvalene moieties. *Beilstein J. Org. Chem.* **2015**, *11*, 1917-1921. <https://doi.org/10.3762/bjoc.11.207>
10. **Sarbu, L.G.**; Hopf, H.; Grunenberg, J.; Birsa, M.L. Reduction of Pseudo-geminal Bis(ethynyl)-Substituted [2.2]Paracyclophanes. *Synlett* **2015**, *26*, 87-90. DOI: 10.1055/s-0034-1378935. <http://www.thieme-connect.de/products/ejournals/abstract/10.1055/s-0034-1378935>

* Cele mai reprezentative zece publicații științifice

Competențe organizaționale/manAGERIALE/ dobândite la locul de muncă

- O bună capacitate de comunicare, obținută ca urmare a experienței în învățământ
- Aptitudini și competențe în utilizarea și manipularea aparaturii de laborator
- Capacitatea de a utiliza instrumentarul și aparatura (IR, RMN) unui laborator de chimie
- Capacitatea de a analiza și interpreta spectre IR, RMN

Anexe

Anexa 1-Listă lucrări științifice

Articole publicate *in extenso*, în reviste din fluxul științific internațional

1. **Sarbu, L.G.**; Dumitru, A.A.; Savu, M.; Sandu, I.A.; Bahrin, L.G.; Stefan, M.; Birsa, M.L. The Antimicrobial and Cytotoxicity Properties of New Dibrominated 1,3-Dithiolium Flavonoids. *Pharmaceuticals* **2026**, *19*, 259. <https://doi.org/10.3390/ph19020259>
2. Moldovan, C.V.; Mantea, L.E.; Savu, M.; **Sarbu, L.G.**; Birsa, M.L.; Stefan, M. Novel tricyclic flavonoids as promising antimicrobial agents. *FEBS OPEN BIO* **2025**, *15*, 415-416. <https://doi.org/10.1002%2F2211-5463.70071>
3. Birsa, M.L.; **Sarbu, L.G.*** Iodine-Substituted Dithiocarbamic Flavanones—A Structure–Activity Relationship Study of Their Antioxidant Properties. *Molecules* **2025**, *30*, 2280. <https://doi.org/10.3390/molecules30112280>
4. **Sarbu, L.G.***; Rosca, I.; Birsa, M.L. Antibacterial and Antifungal Properties of New Synthetic Tricyclic Flavonoids. *Antibiotics* **2025**, *14*, 307. <https://doi.org/10.3390/antibiotics14030307>
5. Birsa, M.L.; **Sarbu, L.G.*** Novel Dithiocarbamic Flavanones with Antioxidant Properties—A Structure–Activity Relationship Study. *Int. J. Mol. Sci.* **2024**, *25*, 13698. <https://doi.org/10.3390/ijms252413698>
6. Moldovan, C.-V.; Mantea, L.-E.; Savu, M.; Jones, P.G.; **Sarbu, L.G.**; Stefan, M.; Birsa, M.L. Novel Tricyclic Flavonoids as Promising Anti-MRSA Agents. *Pharmaceuticals* **2024**, *17*, 1276. <https://doi.org/10.3390/ph17101276>
7. Birsa, M.L.; **Sarbu, L.G.*** A Structure–Activity Relationship Study on the Antioxidant Properties of Dithiocarbamic Flavanones. *Antioxidants* **2024**, *13*, 963. <https://doi.org/10.3390/antiox13080963>
8. Mantea, L.-E.; Moldovan, C.-V.; Savu, M.; **Sarbu, L.G.**; Stefan, M.; Birsa, M.L. An Eco-Friendly Method to Synthesize Potent Antimicrobial Tricyclic Flavonoids. *Antibiotics* **2024**, *13*, 798. <https://doi.org/10.3390/antibiotics13090798>
9. **Sarbu, L.G.**, Synthesis of 1,3-Dithiolium Salts Containing *N*-Methylpiperazine, *Acta Chem. Iasi*, **2023**, *31* (2), 119-128. DOI: 10.47743/achi-2023-2-0008. https://www.chem.uaic.ro/ro/acta-chemica/aci_vol_31_2_2023.html
10. Birsa, M.L.; **Sarbu, L.G.*** Health Benefits of Key Constituents in *Cichorium intybus* L. *Nutrients* **2023**, *15*, 1322. <https://doi.org/10.3390/nu15061322>
11. Birsa, M.L.; Hopf, H.; Jones, P.G.; **Sarbu, L.G.***; Bahrin, L.G. [2.2]Paracyclophane Derivatives as Building Blocks for Coordination Polymers. *Materials* **2023**, *16*, 4051. <https://doi.org/10.3390/ma16114051>
12. Birsa, M.L.; **Sarbu, L.G.*** Hydroxy Chalcones and Analogs with Chemopreventive Properties. *Int. J. Mol. Sci.* **2023**, *24*, 10667. <https://doi.org/10.3390/ijms241310667>
13. Birsa, M.L.; **Sarbu, L.G.** An Improved Synthetic Method for Sensitive Iodine Containing Tricyclic Flavonoids. *Molecules* **2022**, *27*, 8430. <https://doi.org/10.3390/molecules27238430>
14. Moldovan, C.-V.; Savu, M.; Dussert, E.; Aboubacar, H.; **Sarbu, L.G.**; Matiut, S.; Cudennec, B.; Krier, F.; Ravallec, R.; Birsa, L.M.; et al. Synthetic Flavonoid BrCl-Flav—An Alternative Solution to Combat ESKAPE Pathogens. *Antibiotics* **2022**, *11*, 1389. <https://doi.org/10.3390/antibiotics11101389>
15. Babii, C.; Savu, M.; Motrescu, I.; Birsa, L.M.; **Sarbu, L.G.**; Stefan, M. The Antibacterial Synthetic Flavonoid BrCl-Flav Exhibits Important Anti-*Candida* Activity by Damaging Cell Membrane Integrity. *Pharmaceuticals* **2021**, *14*, 1130. <https://doi.org/10.3390/ph14111130>
16. Bahrin, L.G.; Nicolescu, A.; Shova, S.; Marangoci, N.L.; Birsa, L.M.; **Sarbu, L.G.*** Nitrogen-Based Linkers with a Mesitylene Core: Synthesis and Characterization. *Molecules* **2021**, *26*, 5952. <https://doi.org/10.3390/molecules26195952>
17. Bahrin, L.G.; Hopf, H.; Jones, P.G.; Birsa, M.L.; **Sarbu, L.G.*** An Approach to Paracyclophane-Based

- Tetrathiafulvalenes: Synthesis and Characterization of a *Pseudo-Geminal* [2.2]Paracyclophane 1,3-Dithia-2-Thione. *Molecules* **2020**, *25*, 5262. <https://doi.org/10.3390/molecules25225262>
18. Chiriță, P.; Duinea, M.I.; **Sarbu, L.G.**; Birsă, L.M.; Baibarac, M.; Sava, F.; Matei, E. Oxidation of chalcopryrite in air-equilibrated acidic solution: Inhibition with phenacyl derivatives. *Trans. Nonferrous Met. Soc. China* **2020**, *30*, 1928-1942. [https://doi.org/10.1016/S1003-6326\(20\)65351-1](https://doi.org/10.1016/S1003-6326(20)65351-1).
 19. **Sarbu, L.G.**, Hopf, H., Jones, P.G., Bahrin, L.G., Birsă, L.M., Methylamine-induced ring opening of 1,3-dithiolium cations. *Arkivoc* **2019**, 174-179. <https://doi.org/10.24820/ark.5550190.p011.064>
 20. **Sarbu, L.G.**, Bahrin, L.G., Hopf, H., Birsă, L.M., *Studia Chem.* **2019**, *64* (3), 7-16.
doi:10.24193/subbchem.2019.3.01.
http://www.chem.ubbcluj.ro/~studiachemia/issues/chemia2019_3/01Sarbu_etal_7_16.pdf
 21. Duinea, M.I., Carac, G., Dabuleanu, I.D., Petcu, M.A., **Sarbu, L.G.**, Birsă, M.L., Reiss, A., Chirita, P., Troilite (FeS) Oxidation in the Presence of a Newly Synthesized TRIS-based Base. *Rev. Chim. (Bucharest)* **2019**, *70* (7), 2639-2642.
 22. **Sarbu, L.G.**; Shova, S.; Peptanariu, D.; Sandu, I.A.; Birsă, L.M.; Bahrin, L.G. The Cytotoxic Properties of Some Tricyclic 1,3-Dithiolium Flavonoids. *Molecules* **2019**, *24*, 2459. <https://doi.org/10.3390/molecules24132459>
 23. **Sarbu, L.G.**, Bahrin, L.G., Babii, C., Stefan, M., Birsă, M.L. Synthetic flavonoids with antimicrobial activity: a review. *J. App. Microbiol.* **2019**, *127*, 1282-1290. <https://doi.org/10.1111/jam.14271>
 24. **Sarbu, L.G.**, Lungu, N.C., Sandu, I., Chirita, P., Bahrin, L.G. Synthesis of 2-Pyrrolydiny-1,3-Dithiolium Derivatives from Propiophenones. *Rev. Chim. (Bucharest)* **2019**, *70* (4), 1311-1314.
 25. **Sarbu, L.G.**, Lungu, N.C., Sandu, I. 2-Alkylimino-4-(2-Hydroxyaryl)-1,3-Dithiols Derivatives. *Rev. Chim. (Bucharest)* **2019**, *70* (3), 745-748.
 26. Lungu, C.N., Sandu, I., **Sarbu, L.G.*** 5-Methyl-4-(5-Bromo-2-hydroxyphenyl)-1,3-Dithiolium Derivatives. *Rev. Chim. (Bucharest)* **2018**, *69* (12), 3549-3552.
 27. Chirita, P., Duinea, M.I., Sandu, A.M., Birsă, L.M., **Sarbu, L.G.**, Baibarac, M., Sava, F., Popescu, M., Matei, E., Inhibitory effect of three phenacyl derivatives on the oxidation of sphalerite (ZnS) in air-equilibrated acidic solution. *Corrosion Science* **2018**, *138*, 154-162. <https://doi.org/10.1016/j.corsci.2018.04.017>
 28. Meziere, C., Allain, M., Oliveras-Gonzalez, C., Cauchy, T., Vanthuyne, N., **Sarbu, L.G.**, Birsă, L.M., Pop, F., Avarvari, N. Tetrathiafulvalene-[2.2]paracyclophanes: Synthesis, crystal structures, and chiroptical properties. *Chirality* **2018**, *30* (5), 568-575. <https://doi.org/10.1002/chir.22831>
 29. Babii, C., Mihalache, G., Bahrin, L.G., Neagu, A.N., Gostin, I., Mihai, C.T., **Sarbu, L.G.**, Birsă, L.M., Stefan, M. A novel synthetic flavonoid with potent antibacterial properties: In vitro activity and proposed mode of action. *PLoS One* **2018**, *13* (4), 1-15. <https://doi.org/10.1371/journal.pone.0194898>
 30. Bahrin, L.G., **Sarbu, L.G.**, Jones, P.G., Birsă, L.M., Hopf, H. [2.2]Paracyclophane-Bis(triazole) Systems: Synthesis and Photochemical Behavior. *Chem. Eur. J.* **2017**, *23* (50), 12338-12345. <https://doi.org/10.1002/chem.201701593>
 31. Gorodea, I.A., Sandu, I., **Sarbu, L.G.** Novel 4-(3-Bromo-2-hydroxy-5-methylphenyl)-1,3-Dithiol-2-ylidene Derivatives. *Rev. Chim. (Bucharest)* **2017**, *68* (9), 1988-1991.
 32. Chirita, P., Asaftei, I.V., Sandu, I., **Sarbu, L.G.**, Lupu, V.V. Mesoionic 4-(2-Dialkylamino-1,3-dithiol-2-ylidene-4-yl)phenolates. *Rev. Chim. (Bucharest)* **2017**, *68* (1), 147-150.
 33. Asaftei, I.V., Lungu, N.C., Birsă, L.M., Sandu, I.G., **Sarbu, L.G.**, Ignat, M. Performance of Ag-HZSM-5 Zeolite Catalysts in n-heptane Conversion. *Rev. Chim. (Bucharest)* **2017**, *68* (1), 116-120.

34. Matei, M., Sandu, I., Birsă, M.L., **Sarbu, L.G.**, Simion, L. New 4-(4-Hydroxyaryl)-5-Methyl-1,3-Dithiol-2-ylidene Derivatives. *Rev. Chim. (Bucharest)* **2017**, 68 (1), 81-84.
35. Asaftei, I.V., Lungu, N.C., Birsă, M.L., **Sarbu, L.G.**, Ignat, M., Sandu, I.G. Conversion of Light Hydrocarbons from Petroleum Refining Processes Over Zn-HZSM-5 (Nitrate) and Zn-HZSM-5 (Acetate) Catalyst A comparative study. *Rev. Chim. (Bucharest)* **2016**, 67 (8), 1523-1528.
36. Pavel, S., Hopf, H., Jones, P.G., Asaftei, I.V., **Sarbu, L.G.**, Birsă, L.M. Click reactions with *pseudo-geminal* bis(azido-methylene)[2.2]paracyclophane. *Monatsh. Chem.* **2016**, 147 (12), 2179-2183. <http://dx.doi.org/10.1007/s00706-016-1842-3>
37. Toader, E., Bahrin, L.G., Jones, P.G., Hopf, H., **Sarbu, L.G.**, Stoleriu, G. Synthesis of New Morpholine Containing Flavonoids with Potential Biological Applications. *Rev. Chim. (Bucharest)* **2016**, 67 (8), 1520-1522.
38. Bahrin, L.G., **Sarbu, L.G.**, Hopf, H., Jones, P.G., Babii, C., Stefan, M., Birsă, M.L. The influence of halogen substituents on the biological properties of sulfur-containing flavonoids. *Bioorg. Med. Chem.* **2016**, 24 (14), 3166-3173. <http://dx.doi.org/10.1016/j.bmc.2016.05.044>
39. Bahrin, L.G., Hopf, H., Jones, P.G., **Sarbu, L.G.**, Babii, C., Mihai, A.C., Stefan, M., Birsă, M.L. Antibacterial structure-activity relationship studies of several tricyclic sulfur-containing flavonoids *Beilstein J. Org. Chem.* **2016**, 12, 1065-1071. <https://doi.org/10.3762/bjoc.12.100>
40. Asaftei, I.V., Sandu, I.G., Lungu, N.C., Birsă, M.L., **Sarbu, L.G.**, Ignat, M. Conversion of Butane-Butylene Mixtures over B(Al)-HZSM-5 Catalyst Prepared by Impregnation and over ZnO/HZSM-5 co-Catalyst Prepared by Mechanical Mixing. *Rev. Chim. (Bucharest)* **2016**, 67 (5), 847-853.
41. Dirtu, D.; Lungu, N.C.; Chirita, P.; Sandu, I.G.; Birsă, M.L.; Earar, K.; **Sarbu, L.G.*** Synthesis of Novel 4-(3,5-Dibromo-2-hydroxyphenyl)-5-Methyl-1,3-Dithiol-2-ylidene Derivatives *Rev. Chim. (Bucharest)* **2016**, 67 (3), 534-537.
42. **Sarbu, L.G.**; Bahrin, L.G.; Jones, P.G.; Birsă, M.L.; Hopf, H. [2.2]Paracyclophane derivatives containing tetrathiafulvalene moieties. *Beilstein J. Org. Chem.* **2015**, 11, 1917-1921. <https://doi.org/10.3762/bjoc.11.207>
43. **Sarbu, L.G.**; Hopf, H.; Grunenberg, J.; Birsă, M.L. Reduction of Pseudo-geminal Bis(ethynyl)-Substituted [2.2]Paracyclophanes. *Synlett* **2015**, 26, 87-90. doi: 10.1055/s-0034-1378935. <http://www.thieme-connect.de/products/ejournals/abstract/10.1055/s-0034-1378935>
44. Dirtu, D.; Asaftei, I.V.; Chirita, P.; Sandu, I.G.; Birsă, M.L.; Earar, K.; **Sarbu, L.G.*** Synthesis of 1,3-Dithiol-2-ylum Salts by Functionalization of Some Tolueneols. *Rev. Chim. (Bucharest)* **2015**, 66 (12), 2028-2030.
45. Chirita, P.; Hrib, C.G.; Sandu, I.; Lungu, N.C.; **Sarbu, L.G.***; Earar, K. A New Class of 4-(Hydroxyaryl)-1,3-Dithiolium Chlorides; *Rev. Chim. (Bucharest)* **2015**, 66 (8), 1151-1154.
46. Hrib, C.G.; Chirita, P.; Sandu, I.G.; Asaftei, I.V.; **Sarbu, L.G.***; Earar, K. The Synthesis and X-Ray Structural Characterization of New 4-(5-Bromo-2-hydroxyphenyl)-1,3-Dithiol-2-ylum Perchlorates. *Rev. Chim. (Bucharest)* **2015**, 66 (7), 983-986.
47. **Sarbu, L.G.**; Sandu, I.; Bahrin, L.G.; Balan, A.; Apostu, M.O. New Bromo Substituted 1,3-Dithiol-2-ylum Salts. *Rev. Chim. (Bucharest)* **2015**, 66 (1), 55-59.
48. **Sarbu, L.G.**; Hopf, H.; Jones, P.G.; Birsă, M.L. Selenium halide-induced bridge formation in [2.2]paracyclophanes. *Beilstein J. Org. Chem.* **2014**, 10, 2550-2555. <http://dx.doi.org/10.3762%2Fbjoc.10.266>
49. **Sarbu, L.G.**; Apostu, M.O.; Sandu, I.; Bahrin, L.G.; Manea, L.R. 1,3-Dithiol-2-ylum Compounds Derived from Substituted Butyrophenone. *Rev. Chim. (Bucharest)* **2014**, 65 (11), 1327-1331.
50. **Sarbu, L.G.**; Lungu, C.N.; Balan, A.; Bahrin, L.G. Synthesis of Sulfur Containing Piperazine Derivatives with Potential

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