europass

Europass Curriculum Vitae

Informatii personale

Mihail Lucian BIRSA

Adresa: Iasi-Romania

Telefon: +40 232 201349

Fax: +40 232 201313

E-mail: lbirsa@uaic.ro

Nationalitatea

Date nasterii

Ocupatie

Profesor universitar

Experienta

Date

- Preparator, Facultatea de Chimie - Universitatea "Al. I. Cuza" din Iasi, 1996-1998.
- Asistent, Facultatea de Chimie - Universitatea "Al. I. Cuza" din Iasi, 1998-2001.
- Lector, Facultatea de Chimie - Universitatea "Al. I. Cuza" din Iasi si, 2001-2006.
- Conferentiar, Facultatea de Chimie - Universitatea "Al. I. Cuza" din Iasi, 2006-2015.
- Profesor Facultatea de Chimie - Universitatea "Al. I. Cuza" din Iasi, din 2015.

Director Departament Chimie, Facultatea de Chimie - Universitatea "Al. I. Cuza" din Iasi, din 2008

Locul de munca: Universitatea "Al. I. Cuza" din Iasi, 11 Bv. Carol I, Iasi-700506, Romania

Educatie

- Habilitare, Universitatea "Al. I. Cuza" din Iasi - June 2015.
- Ph.D., Universitatea "Al. I. Cuza" din Iasi, Romania; May 26, 2000.
- Master la Universitatea "Al. I. Cuza" din Iasi, specializarea "Chemia Heterociclurilor" (1995 - 1996).
- Facultatea de Chimie - Universitatea "Al. I. Cuza" din Iasi (1990 - 1995).

Titlu academic: Dr. habil.

Competente

Limba materna: Romana

Limbi straine: English

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
Engleza	C1	C1	B2	B2	B2

(*) Common European Framework of Reference for Languages

Premii **Member of the Alexander von Humboldt Foundation**, since 2003.

Stagii de cercetare - Bar-Ilan University, Israel, October 2000 – September 2002.

- Alexander von Humboldt Foundation fellowship in Institute of Organic Chemistry, Technical University Braunschweig, Hagenring 30, D-38106, Braunschweig, 2003-2005.
- Alexander von Humboldt Foundation return fellowships, Institute of Organic Chemistry, Technical University Braunschweig, 2006, 2007, 2008, 2012, 2016.

Technical University Braunschweig, 2006-2018

Area de cercetare Chimie organica

Publicatii - 35 carti/capitole carti:

- Braverman, S.; Cherkinsky, M.; **Birsa**, **M. L.**, *X=C=X, X=O, S, Se, Te, N, P.* CO_2, *COS*, CS_2, *Isocyanates, Isothiocyanates, Carbodiimides, Se, Te, P Analogs* in ***Science of Synthesis, Houben-Weyl Methods of Molecular Transformations***, Georg Thieme Verlag, Stuttgart, Vol. 18.2; 2005, pp 55-310.
- 27 publicate de John Wiley & Sons (*Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms* and *Elimination Reactions* in ***Organic Reaction Mechanisms*** series, Knipe, A. C. Ed., John Wiley & Sons, Chichester).

- 111 lucrari stiintifice.

Prof. dr. habil. MIHAIL LUCIAN BÎRSĂ

List of Publications

A. ***Ph. D. Thesis***

Researches on the Synthesis and Reactivity of some 1,3-Dithiolium Salts, "Al.I. Cuza" University of Iasi, Romania, 2000.

B. ***Books / Contributions to books***

1. Bîcu, E.; **Birsa, M. L.**; Belei, D.; Sarbu, D., *Chimie Organică – Exerciţii şi Probleme*, Pim, Iaşi, 2003, 246 pp.
2. Braverman, S.; Cherkinsky, M.; **Birsa, M. L.**, *X=C=X, X=O, S, Se, Te, N, P. CO_2, COS, CS_2, Isocyanates, Isothiocyanates, Carbodiimides, Se, Te, P Analogs* in *Science of Synthesis, Houben-Weyl Methods of Molecular Transformations*, Georg Thieme Verlag, Stuttgart, Vol. 18.2; 2005, pp 65-310. DOI: 10.1055/sos-SD-018-00070
3. **Birsa, M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2003*, Knipe, A. C., Ed., John Wiley & Sons, Chichester, 2007, pp 293-331. DOI:10.1002/9780470061138
4. **Birsa, M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2004*, Knipe, A. C., Ed., John Wiley & Sons, Chichester, 2008, pp. 331-342. DOI:10.1002/9780470066591
5. **Birsa, M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2005*, Knipe, A. C. Ed., John Wiley & Sons, Chichester, 2008, pp. 249-276. DOI: 10.1002/9780470066614
6. **Birsa, M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2005*, Knipe, A. C. Ed., John Wiley & Sons, Chichester, 2008, pp. 277-285. DOI: 10.1002/9780470066614
7. **Birsa, M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2006*, Knipe, A. C. Ed., John Wiley & Sons, Chichester, 2010, 277-306. DOI: 10.1002/9780470669587
8. **Birsa, M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2006*, Knipe, A. C. Ed., John Wiley & Sons, Chichester, 2010, 307-316. DOI: 10.1002/9780470669587

9. **Birsa, M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2007*, Knipe, A. C. Ed., John Wiley and Sons, Chichester, 2011, 239-264. DOI: 10.1002/9780470975800

10. **Birsa, M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2007*, Knipe, A. C. Ed., John Wiley & Sons, Chichester, 2011, 265-274. DOI: 10.1002/9780470975800

11. **Birsa, M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2008*, Knipe, A. C. Ed., John Wiley & Sons, Chichester, 2011, 253-266. DOI: 10.1002/9780470979525

12. **Birsa, M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2008*, Knipe, A. C. Ed., John Wiley and Sons, Chichester, 2011, 225-252. DOI: 10.1002/9780470979525

13. **Birsa, M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2009*, Knipe, A. C. Ed., John Wiley and Sons, Chichester, 2011, 309-332. DOI: 10.1002/9781119972471

14. **Birsa, M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2009*, Knipe, A. C. Ed., John Wiley & Sons, Chichester, 2011, 333-344. DOI: 10.1002/9781119972471

15. **Birsa, M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2010*, Knipe, A. C. Ed., John Wiley and Sons, Chichester, 2012, 265-284. DOI: 10.1002/9781119941910

16. **Birsa, M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2010*, Knipe, A. C. Ed., John Wiley & Sons, Chichester, 2012, 285-297. DOI: 10.1002/9781119941910

17. **Birsa, M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2011*, Knipe, A. C. Ed., John Wiley and Sons, Chichester, 2014, 339-360. DOI: 10.1002/9781118560273

18. **Birsa, M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2011*, Knipe, A. C. Ed., John Wiley & Sons, Chichester, 2014, 361-370. DOI: 10.1002/9781118560273

19. **Birsa, M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2012*, Knipe, A. C. Ed., John Wiley and Sons, Chichester, 2015, 307-324. DOI: 10.1002/9781118930786

20. **Birsa, M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2012*, Knipe, A. C. Ed., John Wiley & Sons, Chichester, 2015, 325-331. DOI: 10.1002/9781118930786

21. **Birsa, M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2013*, Knipe, A. C. Ed., John Wiley and Sons, Chichester, 2016, 361-381. DOI: 10.1002/9781118707838

22. **Birsa**, **M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2013*, Knipe, A. C. Ed., John Wiley & Sons, Chichester, 2016, 383-391. DOI: 10.1002/9781118707838
23. **Birsa, M. L.**, *Capitole speciale de chimie organică*, Ed. Stef, Iasi, 2016, 131 pag.
24. **Birsa, M. L.**, *Săruri de 1,3-ditioliu*, Ed. Stef, Iasi, 2016, 110 pag.
25. Sarbu, L. G., **Birsa, M. L.**, *Introducere în chimia organică*, Ed. Stef, Iasi, 2016, 263 pag.
26. **Birsa**, **M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2014*, Knipe, A. C. Ed., John Wiley and Sons, Chichester, 2018, 399-421. DOI: 10.1002/9781118941829
27. **Birsa**, **M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2014*, Knipe, A. C. Ed., John Wiley & Sons, Chichester, 2018, 423-434. DOI: 10.1002/9781118941829
28. **Birsa**, **M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2015*, Knipe, A. C. Ed., John Wiley and Sons, Chichester, 2019, 403-418. DOI: 10.1002/9781119125082
29. **Birsa**, **M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2015*, Knipe, A. C. Ed., John Wiley & Sons, Chichester, 2019, 419-428. DOI: 10.1002/9781119125082
30. **Birsa**, **M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2016*, Knipe, A. C. Ed., John Wiley and Sons, Chichester, 2020, 423-448. DOI: 10.1002/9781119288657
31. **Birsa**, **M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2016*, Knipe, A. C. Ed., John Wiley & Sons, Chichester, 2020, 449-462. DOI: 10.1002/9781119288657
32. **Birsa**, **M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2017*, Knipe, A. C., Moloney, M. G. Eds., John Wiley and Sons, Chichester, 2020, 343-364. DOI: 10.1002/9781119426295
33. **Birsa**, **M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2017*, Knipe, A. C., Moloney, M. G. Eds., John Wiley & Sons, Chichester, 2020, 365-376. DOI: 10.1002/9781119426295
34. **Birsa**, **M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2018*, Moloney, M. G. Ed., John Wiley and Sons, Chichester, 2021, 277-288. DOI: 10.1002/9781119531975
35. **Birsa**, **M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2018*, Moloney, M. G. Ed., John Wiley & Sons, Chichester, 2021, 289-295. DOI: 10.1002/9781119531975
36. Sarbu, L. G., **Birsa, M. L.**, *Metode de investigare a mecanismelor de reacţie*, Ed. Stef, Iasi, 2021, 324 pag. ISBN 978-606-028-707-0
37. Sarbu, L. G., **Birsa, M. L.**, *Medicamente de sinteză*, Ed. Stef, Iasi, 2021, 245 pag. ISBN 978-606-028-708-7

38. **Birsa**, **M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2019*, Moloney, M. G. Ed., John Wiley and Sons, Chichester, 2022, 321-332.
39. **Birsa**, **M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2019*, Moloney, M. G. Ed., John Wiley & Sons, Chichester, 2022, 333-344.
40. **Birsa**, **M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2020*, Knipe, A. C. Ed., John Wiley and Sons, Chichester, 2024, 267-280.
41. **Birsa**, **M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2020*, Moloney, M. G. Ed., John Wiley & Sons, Chichester, 2024, 281-294.
42. **Birsa**, **M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2021*, Moloney, M. G. Ed., John Wiley and Sons, Chichester, 2025, in print.
43. **Birsa**, **M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2021*, Moloney, M. G. Ed., John Wiley & Sons, Chichester, 2025, in print.
44. **Birsa**, **M. L.**, *Carbanions and Electrophilic Aliphatic Substitution* in *Organic Reaction Mechanisms 2022*, Moloney, M. G. Ed., John Wiley and Sons, Chichester, 2025, in print.
45. **Birsa**, **M. L.**, *Elimination Reactions* in *Organic Reaction Mechanisms 2022*, Moloney, M. G. Ed., John Wiley & Sons, Chichester, 2025, in print.

C. ***Articles published in international journals***

1. Seliger, H., Happ, E., Cascaval, A., **Birsa**, **M.L.**, Nicolaescu, T., Poinescu, I., Cojocariu, C., "Synthesis and characterization of new photostabilizers from 2,4-dihydroxybenzophenone", *Eur. Polym. J.*, **35**, 827- 833 (1999).
2. **Birsa, M.L.**, "A new approach to preparation of 1,3-dithiolium salts", *Synth. Commun.,* **31**, 1271-1275 (2001).
3. Braverman, S., Cherkinsky, M., **Birsa**, **M.L.**, Tichman, S., Goldberg, I., "Synthesis and structure of novel sulfur bridged cyclic di- and tetraalkynes", *Tetrahedron Lett.*, **42**, 7485-7488 (2001).
4. **Birsa, M.L.**, "Synthesis of some new substituted flavanones and related 4-chromanones by a novel synthetic method", *Synth. Commun.*, **32**, 115-118 (2002).
5. Braverman, S., Cherkinsky, M., **Birsa**, **M.L.**, Zafrani, Y., "Base catalyzed reactivity of sulfur and selenium bridged cyclic alkynes", *Eur. J. Org. Chem.*, **2002**, 3198-3207.
6. **Birsa, M.L.**, Cherkinsky, M., Braverman, S., "Thermal rearrangements of bis-allenyl thiosulfonates", *Tetrahedron Lett.*, **43**, 9615-9619 (2002).

7. **Birsa**, **M.L.**, Ganju, D., "Synthesis and UV/Vis spectroscopic properties of new [2-(*N*,*N*-dialkylamino)-1,3-dithiolium-4-yl]phenolates", *J. Phys. Org. Chem.*, **16**, 207-212 (2003).
8. **Birsa**, **M.L.**, "Reaction of 4-(2'-hydroxyaryl)-1,3-dithiolium salts with sodium sulfide. A selective synthesis of 2'-hydroxyacetophenones", *Synth. Commun.*, **33**, 3071-3076 (2003).
9. **Birsa**, **M.L.**, "Synthesis of some 4-(2'-hydroxyaryl)-5-ethyl-2-(*N*,*N*-dialkylamino)-1,3-dithiolium salts", *Sulfur Lett.* (*J. Sulfur Chem.*), **26**, 155-162 (2003).
10. Levi, M.D., Gofer, Y., Cherkinsky, M., **Birsa, M.L.**, Aurbach, D., Berlin, A., "Electroanalytical features of non-uniformly doped conducting poly-3-(3,4,5-trifluorophenyl)thiophene films", *Phys. Chem. Chem. Phys.* **5**, 2886-2893 (2003).
11. Braverman, S.; Cherkinsky, M.; **Birsa, M.L.**; Gottlieb, H. E., "Facile synthesis and Diels-Alder reactions of 2,6-divinyl-1,4-dithiin", *Synthesis* **2003**, 849-852.
12. **Birsa, M.L.**, Hopf, H., **"**Pseudo-geminal [2.2]-paracyclophane as spacer for bisallenyl sulfoxides and sulfones", *Phosphorus, Sulfur, and Silicon, and the Related Elements* **180**, 1453-1454 (2005).
13. **Birsa, M.L.**, Jones, P.G., Hopf, H., "Transannular hydride migration in *pseudo-geminally* substituted [2.2]paracyclophanes: A vinylogous pinacol rearrangement", *Eur. J. Org. Chem.,* **2005**, 3263-3270.
14. **Birsa, M.L.**, Jones, P.G., Braverman, S., Hopf, H., "*Pseudo-geminally* substituted [2.2]paracyclophanes as spacer for bisallenyl sulfoxides and sulfones", *Synlett,* **2005**, 640-642.
15. **Birsa, M.L.**, Hopf, H., "Synthesis of α,β-unsaturated pseudogeminal [2.2]paracyclophane bisketones", *Synlett,* **2007**, 2753-2756.
16. **Birsa, M.L.**, Asaftei, I.V., "Solvatochromism of mesoionic iodo(1,3-dithiol-2-ylium-4-yl)phenolates", *Monat. Chem.* **139**, 1433-1438 (2008).
17. Asaftei, I.V., Iofcea, G., **Bîrsă, M.L.**, Bîlbă, N., „Aromatisation of the Technical $C_4/C_4^=$ Fraction Over Zn-MFI Catalysts", *Acta Chem. Iasi*, **17**, 5-34 (2009).
18. Goanta, M., Ciobanu, A.S., Birsa, A., Asaftei, I.V., and **Birsa, M.L.,** "Synthesis of 4-(3-Bromo-2-Hydroxy-5-Methylphenyl)-2-Dialkylamino-1,3-Dithiolium Chlorides", *Acta Chem. Iasi*, **17**, 35-48 (2009).
19. Birsa, A., Ignat, L., Hopf, H., **Birsa, M.L.**," [2.2]Paracyclophanes: The Interaction of *Pseudo-Geminal* Bispropargylic Alcohols with Sulfur Halides", *Acta Chem. Iasi*, **17**, 187-196 (2009).
20. Belei, D., Bicu, E., **Birsa, M.L.**," 1,3-Dipolar Cycloaddition Reactions of *N*-Acetylazido-2-chlorophenothiazine", *Acta Chem. Iasi*, **17**, 197-207 (2009).
21. **Birsa, M.L.**, Hopf, H., "A new way to generate functionalized bridges in [2.2]cyclophanes", *Synlett,* **2009**, 3000-3002.

22. Belei, D., Bicu, E., Jones, P.G., **Birsa, M.L.**," A new synthetic methodology for the pyrrolidine ring", *Synlett*, **2010**, 931-933.
23. **Birsa, M.L.**, Hopf, H., "A new bridge in [2.2]cyclophanes: The addition of Se_2Cl_2 to *pseudo-geminally* substituted bispropargylic alcohols", *Heteroatom Chem.*, **21**, 126-130 (2010).
24. Sarbu, L.G., Birsa, A., Ignat, L., Hopf, H., **Birsa, M.L.**," [2.2]Paracyclophanes: The Interaction of *Pseudo-Geminal* Bisacetylene with Electrophiles", *Acta Chem. Iasi*, **18**, 69-76 (2010).
25. Sarbu, L.G., Birsa, A., Hopf, H., **Birsa, M.L.**, "Heteroatom Bridged [2.2]Paracyclophanes As Enediyne Analogs", *Acta Chem. Iasi*, **18**, 186 (2010).
26. Abuhaie, C.M., Belei, D., **Birsa, M.L.**, Bîcu, E., "Nouveaux composes de type pyridino- et indolizino-phenothiazines a potentialité pharmacologique", *Acta Chem. Iasi,* **18**, 129 (2010).
27. Gosav, S., **Birsa, M.L.**, "Exploratory analysis on some flavonoids with anti-invasive activity using molecular descriptors and principal component analysis", *Acta Chem. Iasi*, **18**, 150-151 (2010).
28. Belei, D., Bicu, E., Jones, P.G., **Birsa, M.L.**," A selective synthesis of enamines *vs*. aziridines", *J. Heterocycl. Chem.*, **48**, 129-134 (2011).
29. **Birsa, M.L.**, Jones, P.G., Hopf, H., "Orthogonal π-bridges in [2.2]paracyclophanes", *Synlett*, **2011**, 259-261.
30. Sarbu, L.G., Birsa, A., Hopf, H., **Birsa, M.L.**, "New bridges in [2.2]paracyclophanes: The interaction of chalcogenide halides with *pseudo-geminal* triple bonds", *Phosphorus, Sulfur, and Silicon, and the Related Elements,* **186**, 1246-1250 (2011).
31. **Birsa, M.L.**, Jones, P.G., Hopf, H., "[2.2]Paracyclophanes with new bridges", *Synfacts*, **2011**, 387.
32. Gosav, S., Praisler, M., **Birsa, M. L.**, "Principal component analysis coupled with artificial neural networks", *Int. J. Mol. Sci.*, **12**, 6668-6684 (2011).
33. Sarbu, L.G., **Birsa, M.L.**, "Synthesis of Iodine Containing Mesoionic 2-(1,3-Dithiolium)phenolates", *Acta Chem. Iasi*, **19**, 125-135 (2011).
34. Belei, D., Abuhaie, C., Bicu, E., Jones, P.G., Hopf, H., **Birsa, M.L.**, "A direct synthesis of octahydropyrrolo[2,1,5-*cd*]indolizin-6-one derivatives", *Synlett*, **23**, 545-548 (2012).
35. Chirita, P., Hrib, C.G., **Birsa, M.L.**, "5-Bromo-4-(3,5-dibromo-2-hydroxyphenyl)-2-(piperidin-1-yl)-1,3-dithiol-2-ylium bromide", *Acta Cryst.* **E69**, o1097 (2013).
36. Sarbu, L.G., Hrib, C.G., **Birsa, M.L.**, "rac-1-(5-Bromo-2-hydroxyphenyl)-1-oxopropan-2-yl morpholine-4-carbodithioate", *Acta Cryst.* **E69**, o1169 (2013).
37. Bahrin, L.G., Hrib, C.G., **Birsa, M.L.**, "4-Bromo-2-[5-methyl-2-(morpholin-4-yl)-1,3-thiazol-4-yl]phenol", *Acta Cryst.* **E69**, o1170, (2013).

38. Lungu, N.C., Sandu, I., Chirita, P., **Birsa, M.L.**,"New water soluble 1,3-dithiolium salts", *Rev. Chim. (Bucharest)*, **64**, 697-700 (2013).

39. Buhaceanu, R., Lungu, N. C., Forna, N. C., Asaftei, I. V., Chirita, P., **Birsa, M. L.**,"A new class of mesoionic 4-(1,3-dithiol-2-ylium)phenolates", *Rev. Chim. (Bucharest)*, **64**, 803-807 (2013).

40. Buhaceanu, R., Lungu, N.C., Forna, N.C., Asaftei, I.V., Chirita, P., **Birsa, M.L.**,"The influence of bromine substituent on optical properties of some 1,3-dithiolium derivatives", *Rev. Chim. (Bucharest)*, **64**, 960-964 (2013).

41. Bahrin, L.G., Lungu, N.C., Forna, N.C., Sandu, I., **Birsa, M.L.**,"Zwitterionic 3-(1,3-dithiol-2-ylium)phenolates", *Rev. Chim. (Bucharest)*, **64 (11)**, 1343-1346 (2013).

42. Sarbu, L.G., Lungu, N.C., Forna, N.C., **Birsa, M.L.**,"Synthesis of 4-(2-hydroxyphenyl)-2-dialkylamino-1,3-dithiolium salts and corresponding mesoionic derivatives", *Rev. Chim. (Bucharest)*, **64 (12)**, 1404-1407 (2013).

43. Belei, D., Forna, N.C., Sandu, I., **Birsa, M.L.**,"Novel mesoionic 2-methyl-4-(1,3-dithiol-2-ylium)phenolates", *Rev. Chim. (Bucharest)*, **65(1)**, 80-83 (2014).

44. Bahrin, L.G., Luca, A.C., **Birsa, M.L.**,"Synthesis of new flavanone-dithiocarbamic acid esters from 2,5-dihydroxyacetophenone", *Rev. Chim. (Bucharest)*, **65(2)**, 199-201 (2014).

45. Lungu, N.C., Bahrin, L.G., Asaftei, I.V., Forna, N.C., Sandu, I., **Birsa, M.L.**, "Phenacyl 3-methylpiperidinyl carbodithioates as building blocks for 1,3-dithiolium derivatives", *Rev. Chim. (Bucharest)*, **65(2)**, 181-184 (2014).

46. **Birsa, M.L.**, Sandu, I., Bahrin, L.G., "Synthesis of novel iodine-containing tricyclic flavanones", *Rev. Chim. (Bucharest)*, **65(2)**, 174-176 (2014).

47. Sarbu, L.G., Lungu, N.C., Asaftei, I.V., Sandu, I., **Birsa, M.L.**,"New evidence for the mesoionic character of 2-(1,3-Dithiol-2-ylium)phenolates", *Rev. Chim. (Bucharest)*, **65(3)**, 325-327 (2014).

48. Bahrin, L.G., Craciun, B.F., Sandu, I., **Birsa, M.L.**,"Synthesis of novel 1,3-dithiol-2-ylidene derivatives from the corresponding mesoionic compound", *Rev. Chim. (Bucharest)*, **65(5)**, 525-528 (2014).

49. Sarbu, L.G., Bicu, E., Hopf, H., **Birsa, M.L.**,"[2.2]Paracyclophane substituted indolizines", *Rev. Chim. (Bucharest)*, **65(4)**, 398-400 (2014).

50. Gosav, S., **Birsa, M. L.**, "Multivariate study of flavonoids active against caco-2 colon carcinoma", *Rom. Rep. Phys.*, **66(2)**, 411-426 (2014).

51. Chiriță, P., Cătălina E. Bădică, C.E., Constantin, C.A., **Birsa, M.L.**, Matei, E., Baibarac, M., "Influence of 2,2'-bipyridine on oxidative dissolution of iron monosulfide (FeS)", *Surf. Interface Anal.*, **46**, 842-846 (2014).

52. Bahrin, L.G., Apostu, M.O., **Birsa, M.L.**, Stefan, M., "The antibacterial properties of sulfur containing flavonoids", *Bioorg. Med. Chem. Lett.*, **24**, 2315-2318 (2014).
53. Hopf, H., Jones, P.G., Nicolescu, A., Bicu, E., **Birsa, M.L.**, Belei, D., "A facile synthesis of Pechmann dyes", *Chem. Eur. J.*, **20**, 5565-5568 (2014).
54. Asaftei, I.V., Alexandroaei, M., **Birsa, M.L.**, Luca, A.C., Gradinaru, R., Lungu, N.C., "The action of a penicillinase with attenuated activity on a Penicillin G substrate", *Rev. Chim. (Bucharest),* **65(8)**, 903-906 (2014).
55. Sarbu, L.G., Hopf, H., Jones, P.G., **Birsa, M.L.**, "Selenium halide-induced bridge formation in [2.2]paracyclophanes " *Beilstein J. Org. Chem.*, **10**, 2550-2555 (2014).
56. **Birsa, M.L.**, Sandu, A. V., Balan, A., "Synthesis of new 1,3-dithiolium derivatives from 4-hydroxyacetophenones", *Rev. Chim. (Bucharest),* **65(12)**, 1435-1438 (2014).
57. Hrib, C.G., Sandu, I., Earar, K., **Birsa, M.L.**, "Synthesis of new 1,3-dithiolium derivatives from propiophenones", *Rev. Chim. (Bucharest),* **65(12)**, 1453-1456 (2014).
58. Sarbu, L.G., Hopf, H., Gruenenberg, J., **Birsa, M.L.**, "Reduction of *pseudo-geminal* bis(ethynyl) substituted [2.2]paracyclophanes", *Synlett*, **26**, 87-90 (2015).
59. Apostu, M.O., Sandu, I., **Birsa, M.L.**, Earar, K., "Synthesis of novel 4-aryl-5-methyl-1,3-dithiolium derivatives", *Rev. Chim. (Bucharest),* **66(1)**, 39-42 (2015).
60. Asaftei, I.V., Sandu, I., **Birsa, M.L.**, Earar, K., "Conversion of industrial feedstock mainly with butanes and butenes over B-HZSM-5 and Zn-HZSM-5 modified catalysts", *Rev. Chim. (Bucharest),* **66(3)**, 336-341 (2015). WOS:000352756300010
61. Maftei, D., Asaftei, I.V., Sandu, I., Manea, L.R., **Birsa, M.L.**, Earar, K., "Conversion of industrial feedstock mainly with butanes and butenes over HZSM-5 and Zn/HZSM-5 (nitrate) catalysts", *Rev. Chim. (Bucharest),* **66(5)**, 673-680 (2015). WOS:000355126000016
62. Asaftei, I.V., Earar, K., **Birsa, M.L.**, Sandu, I.G., Lungu, N.C., Sandu, I., "Conversion of light hydrocarbons with butanes and butenes from petroleum refining processes over Zn-HZSM-5 and ZnO/HZSM-5 catalysts", *Rev. Chim. (Bucharest),* **66(7)**, 963-971 (2015). WOS:000359179900009
63. Chirita, P., Constantin, C.A., Badica, C.E., Duinea, M.I., **Birsa, M.L.**, Matei, E., Baltog, I., "Inhibition of troilite (FeS) oxidative dissolution in air-saturated acidic solutions by *O*-ethyl-*S*-2-(2-hydroxy-3,5-diiodophenyl)-2-oxoethylxantogenate", *Materials Chemistry and Physics*, **157**, 101-107 (2015). WOS:000353749100013
64. 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.*, **11**, 1917-1921 (2015).

65. Dirtu, D., Asaftei, I.V., Chirita, P., Sandu, I., **Birsa, M.L.**, Earar, K., Sarbu, L.G., "Synthesis of 1,3-dithiol-2-ylium salts by functionalization of some toluenols", *Rev. Chim. (Bucharest),* **66**, 2028-2030 (2015).

66. Bahrin, L.G., Jones, P.G., Hopf, H., Earar, K., **Birsa, M.L.**, "Synthesis of new iodine containing 1,3-dithiol-2-ylium salts", *Rev. Chim. (Bucharest),* **67(1)**, 61-63 (2016). WOS:000369524300014

67. Bahrin, L.G., Jones, P.G., Hopf, H., Poroch, V., **Birsa, M.L.**, "Synthesis of fluorine containing 1,3-dithiol-2-ylium salts", *Rev. Chim. (Bucharest),* **67(3)**, 481-484 (2016). WOS:000375364800019

68. Babii, C., Bahrin, L.G., Neagu, A., Gostin, I., Mihasan, M., **Birsa, M.L.**, Stefan, M., "Antibacterial activity and proposed action mechanism of a new class of synthetized sulfur containing flavonoids", *J. Appl. Microbiology*, **120**, 630-637 (2016). WOS:000371094600010

69. Dirtu, D., Lungu, N.C., Chirita, P., Sandu, I.G., **Birsa, 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),* **67(3)**, 534-537 (2016).

70. Pavel, S., Hopf, H., Jones, P.G., Lupu, V.V., **Birsa, M.L.***, "Synthesis and structural characterization of some 1,2-bis[(1*H*-1,2,3-triazol-1-yl)methylene]benzene derivatives", *Rev. Chim. (Bucharest),* **67**, 683-686 (2016). WOS:000376549200019

71. Asaftei, I.V., Earar, K., Lungu, N.C., **Birsa, M.L.**, Ignat, M., Plesu, V., Sandu, I.G., "Comparative Study Beetween Zn – Cu- HZSM-5 and Zn-HZSM-5 (Acetate) Catalysts in Conversion of C4 – C4 = Technical Fraction", *Rev. Chim. (Bucharest),* **67**, 734-740 (2016). WOS:000376549200030

72. Asaftei, I.V., Sandu, I.G., Lungu, N.C., **Birsa, 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),* **67**, 847-853 (2016). WOS:000378158100006

73. Bahrin, L.G., Hopf, H., Jones, P.G., Sarbu, L.G., Babii, C., Mihai, A.C., Stefan, M., **Birsa, M.L.**, "Antibacterial structure–activity relationship studies of several tricyclic sulfur-containing flavonoids", *Beilstein J. Org. Chem.*, **12**, 1065-1071 (2016).

74. Bahrin, L.G., Sarbu, L.G., Hopf, H., Jones, P.G., Babii, C., Stefan, M., **Birsa, M.L.**, "The influence of halogen substituents on the biological properties of sulfur-containing flavonoids", *Bioorg. Med. Chem.*, **24**, 3166-3173 (2016).

75. Asaftei, I.V., Lungu, N.C., **Birsa, 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),* **67**, 1523-1528 (2016).

76. Toader, E., Bahrin, L.G., Sandu, I., **Birsa, M.L.,** Rezus, C., *Rev. Chim. (Bucharest),* **67**, 1394-1396 (2016). WOS:000385513000033

77. Pavel, S., Hopf, H., Jones, P.G., Asaftei, I.V., Sarbu, L.G., **Birsa, M.L.**, "Click reactions with *pseudo-geminal* bis(azido-methylene)[2.2]paracyclophane", *Monat. Chem.*, **147**, 2179-2183 (2016).
78. Gosav, S., Paduraru, N., Maftei, D., **Birsa, M.L.**, Praisler, M., "Quantum chemical study of a derivative of 3-substituted dithiocarbamic flavanone", *Spectrochimica Acta A: Molecular and Biomolecular Spectroscopy*, **172**, 115-125 (2017). WOS:000389093000016
79. Matei, M., Sandu, I., **Birsa, M.L.**, Sarbu, L.G., Simion, L., "New 4-(4-hydroxyaryl)-5-methyl-1,3-dithiol-2-ylidene derivatives", *Rev. Chim. (Bucharest)*, **68**, 81-84 (2017).
80. Asaftei, I.V., Lungu, N.C., **Birsa, M.L.**, Sandu, I. G., Sarbu, L. G., Ignat, M., "Performance of Ag-HZSM-5 zeolite catalysts in *n*-heptane conversion", *Rev. Chim. (Bucharest)*, **68**, 116-120 (2017).
81. Sandu, M., **Birsa, M.L.**, Bahrin, L.G., "Flavonoids – Small Molecules, High Hopes" *Acta Chem. Iasi*, **25**, 6-23 (2017).
82. Bahrin, L.G., Sarbu, L.G., Jones, P.G., **Birsa, M.L.**, Hopf, H., "[2.2]Paracyclophane-Bis(triazole) Systems: Synthesis and Photochemical Behavior", *Chem. Eur. J.*, **23**, 12338-12345 (2017).
83. Babii, C., Mihalache, G., Bahrin, L.G., Neagu, A.-N., Gostin, I., Mihai, C.T., Sarbu, L.G., **Birsa, M.L.**, Stefan, M., "A novel synthetic flavonoid with potent antibacterial properties: *In vitro* activity and proposed mode of action" *PLoS ONE*, **13**(4), e0194898 (2018).
84. Mézière, C., Allain, M., Oliveras-Gonzalez, C., Cauchy, T., Vanthuyne, N., Sarbu, L.G., **Birsa, M.L.**, Pop, F., Avarvari, N., "Tetrathiafulvalene - [2.2]paracyclophanes: Synthesis, crystal structures, and chiroptical properties" *Chirality*, **30**, 568-575 (2018).
85. Chirita, P., Duinea, M.I., Sandu, A.M., **Birsa, M.L.**, 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" *Corros. Sci.*, **138**, 154-162 (2018).
86. **Birsa, M.L.**, "2-*N,N*-Dialkylamino-1,3-Dithiolium Salts "*Acta Chem. Iasi*, **26**, 153-167 (2018).
87. Sarbu, L.G., Shova, S., Peptanariu, D., Sandu, I.A., **Birsa, M.L.**, Bahrin, L.G., "The Cytotoxic Properties of Some Tricyclic 1,3-Dithiolium Flavonoids" *Molecules*, **24**, 154-162 (2019).
88. Duinea, M.I., Carac, G., Dabuleanu, I.D., Petcu, M.A., Sarbu, L.G., **Birsa, M.L.**, Reiss, A., Chirita, P., "Troilite (FeS) Oxidation in the Presence of a Newly Synthesized TRIS-based Base" *Rev. Chim. (Bucharest)*, **70**, 2459-2642 (2019).
89. Sarbu, L.G., Bahrin, L. G., Babii, C., Stefan, M., **Birsa, M.L.**, "Synthetic flavonoids with antimicrobial activity: a review" *J. Appl. Microbiology*, **127**, 1282-1290 (2019).
90. Sarbu, L.G., Bahrin, L.G., Hopf, H., **Birsa, M.L.**, "Chalchogenide Induced Intramolecular Interactions In [2.2]Paracyclophanes: A Review" *Studia Chem.*, **64**, 7-16 (2019).

91. Sarbu, L.G., Hopf, H., Jones, P.G., Bahrin, L.G., **Birsa, M.L.**, "Methylamine-induced ring opening of 1,3-dithiolium cations" *Arkivoc*, **vi**, 174-179 (2019).
92. Babii, C., **Birsa, M.L.**, Gostin, I., Dupree, E., Darie, C.C., Mihasan, M., Stefan, M., "Br-Cl flav - a novel synthetic flavonoid with potent antibacterial properties" *FEBS Open Bio*, **9**, 116-117 (2019).
93. Babii, C., Motrescu, I., **Birsa, M.L.**, Stefan, M., "A new class of synthetic flavonoids as promising anti-Candida therapeutic agents" *FEBS Open Bio*, **9**, 280 (2019).
94. **Birsa, M.L.**, Apostu, M.O., Sandu, I., Panainte, A.D., Bibere N., "Synthesis and Structural Characterization of Some 1,3-Dithiol-2-ylium Salts" *Rev. Chim. (Bucharest),* **71**, 418-421 (2020).
95. Chirita, P., Duinea, M.I., Sarbu, L.G., **Birsa, M.L.**, Baibarac, M., Sava, F., Matei, E., " Oxidation of chalcopyrite in air-equilibrated acidic solution: inhibition with phenacyl derivatives" *Trans. Nonferrous Met. Soc. China*, **30**, 1928-1942 (2020).
96. 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*, **25**, 5262 (2020).
97. **Birsa, M.L.**, Sarbu, L.G., " Intramolecular interactions in [2.2]paracyclophanes" *J. Org. Inorg. Chem.*, **6**, 2 (2020). DOI: 10.36648/2472-1123.6.3.3
98. Sarbu, L.G., **Birsa, M.L.**, " Tricyclic flavonoids with 1,3-dithiolium substructure" *J. Org. Inorg. Chem.*, **6**, 7 (2020). DOI: 10.36648/2472-1123.6.3.8
99. Bahrin, L.G., Nicolescu, A., Shova, S., Marangoci, N.L., **Birsa, M.L.**, Sarbu, L.G., "Nitrogen-Based Linkers with a Mesitylene Core: Synthesis and Characterization" *Molecules*, **26**, 5952 (2021).
100. Babii, C., Savu, M., Motrescu, I., **Birsa, M.L.**, Sarbu, L.G., Stefan, M., "Antibacterial synthetic flavonoid BrCl-flav exhibits important anti-*Candida* activity by damaging cell membrane integrity" *Pharmaceuticals*, **14**, 1130 (2021).
101. Asaftei, I.V., Lungu, N.C., **Birsa, M.L.**, Ignat, M., "Validation of Zn-Cu/ZSM-5 catalyst performance, at pilot scale, in the catalytic conversion of butane (nC(4) + i-C-4) technical fraction", *C. R. Chim.*, **25**, 311-320 (2022). doi: 10.5802/crchim.212
102. Savu, M., **Birsa, M.L.**, Stefan, M., "Synthetic flavonoid BrCl - a potential solution against fluconazole resistant Candida strains", *FEBS Open Bio*, **12**, 169-170 (2022).
103. Moldovan, C.V., Savu, M., Dussert, E., Aboubacar, H., Sarbu, L.G., Matiut, S., Cudennec, B., Krier, F., Ravallec, R., **Birsa, M.L.**, Stefan, M., "Synthetic Flavonoid BrCl-Flav-An Alternative Solution to Combat ESKAPE Pathogens", *Antibiotics (Basel)*, **11**, 1389 (2022). doi: 10.3390/antibiotics11101389
104. **Birsa, M. L.**, Sarbu, L.G., "An Improved Synthetic Method for Sensitive Iodine Containing Tricyclic Flavonoids", *Molecules*, **27**, 8430 (2022). https://doi.org/10.3390/molecules27238430

105. **Birsa, M.L.**, Sarbu, L.G. "Health Benefits of Key Constituents in *Cichorium intybus* L." *Nutrients*, **15**, 1322 (2023). https://doi.org/10.3390/nu15061322

106. **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*, **16**, 4051 (2023). https://doi.org/10.3390/ma16114051

107. **Birsa, M.L.**, Sarbu, L.G. " Hydroxy Chalcones and Analogs with Chemopreventive Properties" *Int. J. Mol. Sci.*, **24**, 10667 (2023). https://doi.org/10.3390/ijms241310667

D. *Articles published in national journals*

108. Seliger, H.; Happ, E.; Cascaval, A.; **Birsa, M. L.**, "Alkyl-2-hydroxyaryl ketones. XXX. ", *An. St. Univ. "Al.I. Cuza" Iasi*, (1997) **V**, 111-122.

109. Seliger, H.; Happ, E.; Cascaval, A.; **Birsa, M. L.**; Novitschi, G., "Synthesis of some aminated thiazoles", *An. St. Univ. "Al.I. Cuza" Iasi*, (1997) **V**, 123-128.

110. Seliger, H.; Cascaval, A.; **Birsa, M. L.**, "A facile one-step synthesis of some new *bis*-Mannich-Werner bases of polysubstituted chroman-4-ones", *An. St. Univ. "Al.I. Cuza" Iasi*, (1997) **V**, 129-134.

111. **Birsa, M. L.**, "Dithiolium derivatives. I.", *An. St. Univ. "Al.I. Cuza" Iasi*, (1998) **VI**, 57-64.

112. **Birsa, M. L.**, "Dithiolium derivatives. II.", *An. Stiint. Univ. "Al.I. Cuza" Iasi*, (1999) **VII**, 341-347.

113. **Birsa, M. L.**, "Dithiolium derivatives. III.", *An. Stiint. Univ. "Al.I. Cuza" Iasi*, (1999) **VII**, 349-354.

114. **Birsa, M. L.**, "Dithiolium derivatives. IV.", *An. Stiint. Univ. "Al.I. Cuza" Iasi*, (2000) **VIII**, 71-74.

115. **Birsa, M. L.**, "Synthesis of some new 4-(2′-hydroxyaryl)-5-methyl-2- (*N,N*-dialkylamino)-thiazoles", *An. Stiint. Univ. "Al.I. Cuza" Iasi*, (2000) **VIII**, 325-328.

116. **Birsa, M. L.**, "Dithiolium derivatives. V.", *An. Stiint. Univ. "Al.I. Cuza" Iasi*, (2000) **VIII**, 329-334.

117. **Birsa, M. L.**; Tiron, R.; Ignat, L, "Dithiolium derivatives. VI.", *An. Stiint. Univ. "Al.I. Cuza" Iasi*, (2000) **VIII**, 335-340.

118. Tietze, L. F., **Birsa, M. L.**, Cascaval, A., *Anal. Stiint. Univ. Al.I. Cuza Iasi*, (2005) **13**, 91-98.

119. Ciobanu, A.S., Goanta, M., Birsa, A., Asaftei, I.V., and **Birsa, M. L.,** "Synthesis of Mesoionic 4-Methyl-2-(1,3-dithiol-2-ylium-4-yl)phenolates", *Anal. Stiint. Univ. Al.I. Cuza Iasi*, (2008) **16**, 61-75.

120. Bacu, E., Vornicu, N., Belei, D., **Birsa, M. L.**, „Cercetari privind activitatea antifungica a unor saruri de *N*-fenacil-2–carbaldoxim-piridiniu" *Conservarea si Restaurarea Patrimoniului Cultural*, (2008) **VIII**, 6-14.

121. Bacu, E., Vornicu, N., Belei, D., **Birsa, M. L.**, „ Activitatea antibacteriana a trei saruri de *N*-fenacil-$Y_{(p)}$-2–carbaldoxim-piridiniu", *Conservarea si Restaurarea Patrimoniului Cultural*, (2008) **VIII**, 92-99.

122. Asaftei, I. V., Bîlbă, N., **Bîrsă, M. L.**, Luchian, C., „Sorption Properties of MCM-41 Mesoporous Materials", *Anal. Stiint. Univ. Al.I. Cuza Iasi*, (2008) **16**, 47-60.

123. Gosav, S., Praisler, M., **Birsa, M. L.**, "Exploratory analysis on some flavonoids with anti-invasive activity using molecular descriptors and cluster analysis", *Annals of "Dunarea de Jos" University of Galati, Mathematics, physics, theoretical mechanics,* (2010), **33**, 302-307.

124. Gosav, S., **Birsa, M. L.**, "Stepwise discriminant analysis applied in QSAR modeling of flavonoids with anti-invasive activity", *Annals of "Dunarea de Jos" University of Galati, Mathematics, physics, theoretical mechanics,* (2010), **33**, 59-65.

125. Holban, M., Aparaschivei, R., Sunel, V., Popa, M., **Birsa, M. L.**, Birsa, A., " Synthesis and haracterization of microparticles encapsulating tuberculostatic agents" *Annals of "Dunarea de Jos" University of Galati, Mathematics, physics, theoretical mechanics,* (2011), **34**, 87.

126. Stefan, M., **Birsa, M. L.**, "Flavonoids – An Amazing Group of Compounds With Potent Antimicrobial Properties" *Memoirs of the Scientific Sections of the Romanian Academy*, (2019) **42**, 111-139.

127. **Birsa, M. L.**, "Biologically active sulfur containing compounds" *Annals of the University of Craiova. The Chemistry Series,* **XLVII**, S11 (2021).

E. *Patents*

1. Gulea A., Ţapcov V., **Birsa, M. L.**, Gînju D., Jalbă A., Graur V., Julea F., "Inhibitor al leucemiei mieloide umane în bază de {bis[2-(3,5-dibromo-2-hidroxifenil)-2-oxoetil-piperidin-1-carboditioato(1)O,O']cupru}", Brevet de invenţie MD Nr 4190, 2012. Publ BOPI 12/2012. P. 21-22.

F. *Research grants*

Research grant of the "Alexander von Humboldt" Foundation, RUM-1113505, 2003
Director of national research grants: 4

1. Contract CEEX modul II, ET 5902 / 18.09.2006
2. Contract PN II – IDEI cod 2095 / 2008
3. Contract PN II – PARTENERIATE nr 51/2011
4. Contract PN III - 152PED/cod PN-III-P2-2.1-PED-2016-1817

Member of the research teams: 10

7 grants Tip A:

1. 1998 - CNSU 33/91
2. 1999 - CNCSIS 32/184
3. 2001 – CNCSIS 11/948;
4. 2002 - CNCSIS 55/304;
5. 2003 - CNCSIS 122/304;
6. 2005 - CNCSIS 5/1483;
7. 2006 - CNCSIS 7/1483.

1 CEEX grant, Modul I CERES 2CEx06-11-105 / 25.10.2006

1 BILATERAL RO-FR international grant, program CAPACITATI, Modul III, Parteneriat IFA-CEA Franta

1 PD grant as mentor, PI 2018

Iasi, 29.04.2024