

CURRICULUM VITAE

Nume: BÎRSĂ

Prenume: MIHAIL LUCIAN

Cetățenia: Română

Data Nașterii: 9 August 1970

Locul Nașterii: Adjud, județul Vrancea

Starea Civilă: căsătorit, doi copii

Studii:

- Liceul Industrial Adjud (1984 - 1988).

- Facultatea de Chimie – Universitatea "Al.I. Cuza" Iași, secția chimie, specializarea chimie organică (1990 - 1995); media generală 9,65.

- Tema proiectului de licență: *Noi Compuși Mezoionici cu Sulf*

- Studii Aprofundate la Facultatea de Chimie - Universitatea "Al.I. Cuza" Iași, specializarea "Chimia Heterociclorilor" (1995 - 1996); media generală 10.

- Tema Dizertației: *Săruri de 2-Alchiltio- și 2-Dialchilamino-1,3-Ditioliu. Sinteză, Structură și Proprietăți*

- Studii de Doctorat la Universitatea "Al.I. Cuza" Iași, România; Prezentarea publică a tezei de doctorat: 26 Mai 2000.

- Titlul Tezei de Doctorat: *Cercetări asupra Sintezelor și Reactivității unor Săruri de 1,3-Ditioliu*; Conducător de Doctorat: Prof. Dr. Candiano Leonte.

Locul de Munca: Conferențiar la Catedra de Chimie Organică și Biochimie, Facultatea de Chimie - Universitatea "Al.I. Cuza" Iași, Bd. Carol I 11, Iași-700506, România.

Activitate Didactică:

Îndrumător de laborator și activități de predare la următoarele discipline:

- Chimie Organică, Mecanisme de Reacție în Chimia Organică, Strategii în Sinteză Organică, Sinteză și Retrosinteză.

Autor a 2 cărți cu profil didactic.

Activitate Științifică: în conformitate cu lista de lucrari anexată,

- autor a 26 lucrari științifice în reviste de specialitate din țară (11) și străinătate (15);
- 5 contribuții la monografiile de specialitate (în engleza): Science of Synthesis și seria Organic Reaction Mechanisms;
- participant la 5 conferințe științifice internaționale.

Articolele publicate sunt citate în reviste de prestigiu sau în monografiile de specialitate, în conformitate cu lista de citari anexata.

Director de grant CEE ET 5902/18.09.2006. Participant la 4 granturi de cercetare Tip A cu Ministerul Educației Naționale (2001 – tema 11, cod CNCSIS 948; 2002 - tema 55, cod CNCSIS 304; 2003 - tema 122, cod CNCSIS 304; 2005 - tema 55, cod CNCSIS 304).

Burse de Cercetare:

- Israel Council of Higher Education, Bar-Ilan University, Israel, Octombrie 2000 – Septembrie 2002.
- Fundatia “Alexander von Humboldt” Bonn – Germania, la Institutul de Chimie Organică, TU Braunschweig, Hagenring 30, D-38106, Braunschweig, Germania, Septembrie 2003 – Februarie 2005.
- Fundatia “Alexander von Humboldt” Bonn – Germania, la Institutul de Chimie Organică, TU Braunschweig, Hagenring 30, D-38106, Braunschweig, Germania, Iunie 2006 – August 2006.
- Fundatia “Alexander von Humboldt” Bonn – Germania, la Institutul de Chimie Organică, TU Braunschweig, Hagenring 30, D-38106, Braunschweig, Germania, Iunie 2007 – August 2007.

Limbi Străine: Engleza

Numele Referenților:

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- **Prof. dr. Samuel Braverman**, “Bar-Ilan” University, Department of Chemistry, 52900 Ramat-Gan, Israel 52900; e-mail: bravers@mail.biu.ac.il ; fax: +97235351250

Conf. dr. Mihail Lucian BIRSA

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List of publications

A. Books

1. **Birsa, M. L.**, *Introduction in Organic Chemistry*, “Al.I. Cuza” University Iasi – IASI, 2000, 124 pp (in Romanian).
2. Bicu, E.; **Birsa, M. L.**; Belei, D.; Sarbu, D., *Exercices in Organic Chemistry*, Pim, Iasi, 2003, 246 pp (in Romanian).

B 1. Contributions to books

1. Braverman, S.; Cherkinsky, M.; **Birsa, M. L.**, *X=C=X, X=O, S, Se, Te, N, P. CO₂, COS, CS₂, Isocyanates, Isothiocyanates, Carbodiimides, Se, Te, P Analogs in Science of Synthesis, Houben-Weyl Methods of Molecular Transformations*, Georg Thieme Verlag, Stuttgart, Vol. 18.2; pp 55-310.
2. **Birsa, M. L.**, *Carbanions and Electrophilic Aliphatic Substitution in Organic Reaction Mechanisms 2003*, Knipe, A. C., Ed., John Wiley and Sons, Chichester, 2007; pp. 293-331.
3. **Birsa, M. L.**, *Elimination Reactions in Organic Reaction Mechanisms 2004*, Knipe, A. C., Ed., John Wiley and Sons, Chichester, 2008.
4. **Birsa, M. L.**, *Carbanions and Electrophilic Aliphatic Substitution in Organic Reaction Mechanisms 2005*, Knipe, A. C., Ed., John Wiley and Sons, Chichester, 2008, in print.
5. **Birsa, M. L.**, *Elimination Reactions in Organic Reaction Mechanisms 2005*, Knipe, A. C., Ed., John Wiley and Sons, Chichester, 2008, in print.

B 2. Articles in journals

1. 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.
2. 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.
3. 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.
4. **Birsa, M. L.**, "Dithiolium derivatives. I.", *An. St. Univ. "Al.I. Cuza" Iasi*, (1998) **VI**, 57-64.
5. **Birsa, M. L.**, "Dithiolium derivatives. II.", *An. Stiint. Univ. "Al.I. Cuza" Iasi*, (1999) **VII**, 341-347.
6. **Birsa, M. L.**, "Dithiolium derivatives. III.", *An. Stiint. Univ. "Al.I. Cuza" Iasi*, (1999) **VII**, 349-354.
7. 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.*, (1999) **35**, 827- 833.
8. **Birsa, M. L.**, "Dithiolium derivatives. IV.", *An. Stiint. Univ. "Al.I. Cuza" Iasi*, (2000) **VIII**, 71-74.
9. **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.
10. **Birsa, M. L.**, "Dithiolium derivatives. V.", *An. Stiint. Univ. "Al.I. Cuza" Iasi*, (2000) **VIII**, 329-334.
11. **Birsa, M. L.**; Tiron, R.; Ignat, L, "Dithiolium derivatives. VI.", *An. Stiint. Univ. "Al.I. Cuza" Iasi*, (2000) **VIII**, 335-340.
12. **Birsa, M. L.**, "A new approach to preparation of 1,3-dithiolium salts", *Synth. Commun.*, (2001) **31**, 1271-1275.

13. Braverman, S.; Cherkinsky, M.; **Birsa, M. L.**; Tichman, S.; Goldberg, I., "Synthesis and structure of novel sulfur bridged cyclic di- and tetraalkynes", *Tetrahedron Lett.*, (2001) **42**, 7485-7488.
14. **Birsa, M. L.**, "Synthesis of some new substituted flavanones and related 4-chromanones by a novel synthetic method", *Synth. Commun.*, (2002) **32**, 115-118.
15. 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.
16. **Birsa, M. L.**; Cherkinsky, M.; Braverman, S., "Thermal rearrangements of bis-allenyl thiosulfonates", *Tetrahedron Lett.*, (2002) **43**, 9615-9619.
17. **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.*, (2003) **16**, 1-6.
18. **Birsa, M. L.**, "Reaction of 4-(2'-hydroxyaryl)-1,3-dithiolium salts with sodium sulfide. A selective synthesis of 2'-hydroxyacetophenones", *Synth. Commun.*, (2003) **33**, 3071-3076.
19. **Birsa, M. L.**, "Synthesis of some 4-(2'-hydroxyaryl)-5-ethyl-2-(*N,N*-dialkylamino)-1,3-dithiolium salts", *Sulfur Lett.*, (2003) **26**, 155-162.
20. 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.* (2003) **5**, 2886-2893.
21. 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.
22. **M. Lucian Birsa**, Peter G. Jones, and Henning Hopf, "Transannular Hydride Migration in *Pseudo-Geminally* Substituted[2.2]Paracyclophanes: A Vinylogous Pinacol Rearrangement", *Eur. J. Org. Chem.* (2005), 3263-3270.
23. **M. Lucian Birsa**, Peter G. Jones, Samuel Braverman and Henning Hopf, "*Pseudo-Geminally* Substituted [2.2]Paracyclophanes as Spacer for Bisallenyl Sulfoxides and Sulfones", *Synlett* (2005), 640-642.

24. L. F. Tietze, **M. L. Birsa**, A. Cascaval, *Anal. Stiint. Univ. Al.I. Cuza Iasi*, **13**, 91 (2005).
25. **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* (2005) **180**, 1453-1454.
26. **Birsa, M. L.**, Hopf, H., "Pseudo-geminally-substituted [2.2]paracyclophanes: A dyotropic rearrangement of pseudo-geminal bisallenyl o-nitrophenylsulfoxides", *Synlett* (2007), 2753-2756.

C. Published contributions to academic conferences

1. Braverman, S.; Cherkinsky, M.; **Birsa, M. L.**, "Tandem Isomerization and Cycloaromatization of Macrocyclic Sulfur and Selenium Bridged Di- and Tetraalkynes", The 67th Annual Meeting of the Israel Chemical Society, Jerusalem, January 29-30, 2002, Abstracts p 228.
2. **Birsa, M. L.**, Hopf, H., "Pseudo-Geminal [2.2]-Paracyclophane As Spacer For Bisallenyl Sulfoxides And Sulfones", The 21st International Symposium on Organic Chemistry of Sulfur, Madrid, July 4-9, 2004, Abstract p 144.
3. S. Braverman, M. Cherkinsky, H. E. Gottlieb, **M. L. Birsa**, H. Hopf, "Synthesis and Cycloaromatization of Sulfur Bridged pseudo-gem-Bis-ethynyl[2.2]paracyclophane", The 70th Annual Meeting of the Israel Chemical Society, Bar-Ilan, February 14-16, 2005, Abstracts p 153.
4. **Birsa, M. L.**, Keynote lecture on "Synthesis and Reactivity of Sulfur and Selenium Bridged Di- and Tetraalkynes", International Symposium on Organic Chemistry, Sofia, December 9-12, 2006, Abstracts p 18.
5. **Birsa, M. L.**, "New mesoionic phenothiazinyl derivatives", The 41st IUPAC Congress, Torino, August 4-11, 2007, Abstract p 56.