

# MIHAIL LUCIAN BÎRSĂ



## Domenii de cercetare / interes

- Derivați de 1,3-ditiolium
- Sisteme nesaturate conținând calcogenide
- [2.2]Paraciclofani *pseudo-geminal* substituiți
- Flavonoide
- Sinteză organică fină
- Studii monografice

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Chimie organica



Doctorat

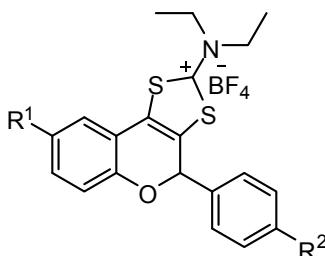
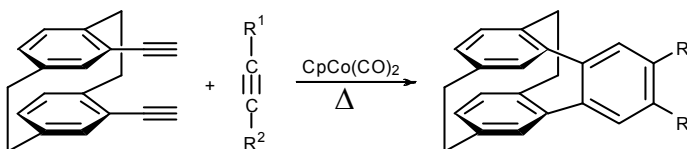
Univ. „Alexandru Ioan  
Cuza” din Iași, 2000

Bursier Humboldt

Din 2003



**Cuvinte cheie:** Acetilene, Alene, Aminali, Activitate antibacteriana, Azide, Click chemistry, Ciclotrimerizare, Ditiocarbamati, Enamine, Flavonoide, Ilide, Indolizine, [2.2]Paraciclofani, Punți aromatice, Saruri de ditioliu, Tetratiafulvalene, Triazoli



MIC against *S. aureus*

R <sup>1</sup> =F, R <sup>2</sup> =F	7.81 μg/mL
R <sup>1</sup> =F, R <sup>2</sup> =I	1.95 μg/mL
R <sup>1</sup> =Cl, R <sup>2</sup> =F	1.95 μg/mL
R <sup>1</sup> =Cl, R <sup>2</sup> =I	0.24 μg/mL

## Publicații (selectiv)

Braverman, S., Cherkinsky, M., **Birsa, M. L.**, X=C=X, X=O, S, Se, Te, N, P. CO<sub>2</sub>, COS, CS<sub>2</sub>, "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, **2005**,

**Birsa, M. L.**, "Carbanions and Electrophilic Aliphatic Substitution in Organic Reaction Mechanisms 2003", Knipe, A. C., Ed., John Wiley & Sons, Chichester, pp 293-331, **2007**.

**Birsa, M. L.**, "Elimination Reactions in Organic Reaction Mechanisms 2004", Knipe, A. C., Ed., John Wiley & Sons, Chichester, pp. 331-342, **2008**.

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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**.

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**.

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**.

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