



(n.1979)

# VASILICHIA ANTOCI

## Domenii de cercetare / interes

- **Chimia si sanatatea:** chimia azaheterociclorilor si chimie medicinala;
- **Chimia si nanostiintele:** materiale cu proprietati inalt fluorescente, chemosenzori;
- **Chimia si mediul:** reactii ecologic prietenoase sub actiunea ultrasunetelor.

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Chimie organica,  
Chimia  
Heterociclorilor

**Chimia si sanatatea:** sinteza de compusi tinta biologic activi (antineoplazice, antituberculoase, antimicrobiene), factori de crestere in agricultura, noi nanomateriale cu schelet benz/imidazolic;

**Chimia si nanostiintele:** sinteza de noi materiale cu proprietati inalt fluorescente, chemosenzori;

**Chimia si mediul:** reactii „ecologic prietenoase” sub actiunea ultrasunetelor; chemosenzori.

**Cuvinte cheie:** heterocicli, diazine, ilide, ultrasunete, cicloaditii, anticancer, antituberculoase, antimicrobiene, factori de crestere, materiale inalt fluorescente, semiconductori, chimie “ecologic prietenoasa”.

CSIII – 2013

Lector - 2015.

Doctorat –

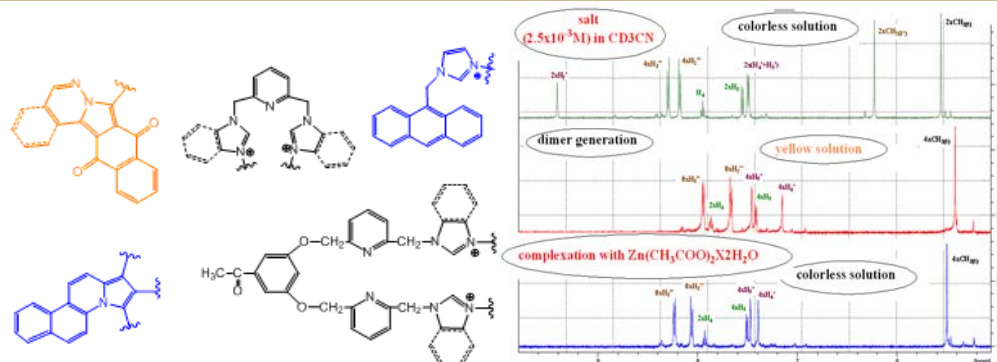
Univ. „Alexandru Ioan  
Cuza” din Iasi, 2010.

Stagiu de cercetare:

21 aprilie-21 iulie  
2008, “Université des  
Sciences et  
Technologies de Lille”,  
Franța.

Stagiu de cercetare:

28 mai-26 august  
2012, “University of  
Florence”,  
Departamentul de  
Chimie, Firenze, Italia.



## Publicații (selectiv)

Mantu, D., **Antoci, V.**, Moldoveanu, C., Zbancioc, Ghe., Mangalagiu, I.I., Hybrid imidazole (benzimidazole)/pyridine (quinoline) derivatives and evaluation of their anticancer and antimycobacterial activity, *J. Enzym. Inhib. Med. Ch.*, **Published online: 02 Jun 2016.**

Mantu, D., **Antoci, V.**, Nicolescu, A., Deleanu, D., Vasilache, V., Mangalagiu, I.I., Synthesis, Stereochemical Studies and Antimycobacterial Activity of New Acetylhydrazine Pyridazinones, *Curr. Org. Synth.*, 13, **2016. DOI: [10.2174/1570179413999160219164248](https://doi.org/10.2174/1570179413999160219164248)**

Ciobanu, C. I., Drochioiu, G., Carlescu, I., Lisa, G., **Antoci, V.**, Vasilache, V., Scutaru, D., Thermal Behavior of Some Bent-Core Resorcinol Derivatives with Azo-Type Spacers and Variable Flexible Chain, *Lett. Org. Chem.*, 13(2), 156-161, **2016.**

Mantu, D., **Antoci, V.**, Vasilache, V., Luca, C., Structure and Anticancer Activity of Some bis-pyridazine Derivatives, *Rev. Chim. (Bucharest)*, 67(1), 127-130, **2016.**

Ciobanu, C.I., **Antoci, V.**, Mantu, D., Mangalagiu, I.I., One Pot Synthesis of Cyclophane with Imidazolium Skeleton. An Improved Method, *Rev. Chim. (Bucharest)*, 66(4), 497-498, **2015.**

Danac, R., Daniloaia, T., **Antoci, V.**, Vasilache, V., Mangalagiu, I.I., Design, Synthesis and Antimycobacterial Activity of Some New Azaheterocycles: Phenanthroline with *p-halo*-benzoyl Skeleton. Part V, *Lett. Drug Des. Discov.*, 12(1), 14-19, **2015.**

**Antoci, V.**, Mantu, D., Cozma, D.G., Ursu, C., Mangalagiu, I.I., Hybrid anticancer 1,2-diazine derivatives with multiple mechanism of action. Part 3 [4,5], *Med. Hypotheses*, 82(1), 11-15, **2014.**