

**Articole științifice publicate *in extenso* în reviste Web of Science:**

1. A. V. Lupaescu, M. Jureschi, **C.- I. Ciobanu**, L. Ion, Ghe. Zbancioc, B. A. Petre, G. Drochioiu, FTIR and MS evidence for heavy metal binding to anti-amyloidal NAP-like peptides, *International Journal of Peptide Research and Therapeutics*, DOI 10.1007/s10989-018-9672-2, 2018, IF=0.904
2. R. Ștefănescu, A.-E. Butnariu, M.-M. Zamfirache, A. Surleva, **C.- I. Ciobanu**, O. Pintilie, G. Drochioiu, Yeast-based microbiological decontamination of heavy metal contaminated soils of Tarnita" *Carpathian Journal of Earth and Environmental Sciences*, 12(1), 153-159, 2017, IF=0.88
3. M. Murariu, L. Ion, **C.- I. Ciobanu**, B.- A. Petre, G. Drochioiu, MS, CD, and FT-IR Characterization of five newly synthesized histidine-containin g Ala- and Gly-based peptides, *Revue Roumaine de Chimie*, 62(3), 277-289, 2017, IF=0.246
4. C.-M. Al Matarneh, **C.- I. Ciobanu**, M. O. Apostu, I. Mangalagiu, R. Danac, Cycloaddition versus amidation in reactions of 2-amino-2-oxoethyl-phenanthrolinium ylides to activated alkynes andalkenes, *Comptes Rendus Chimie*, doi.org/10.1016/j.crci.2017.11.003, 2017, IF =1.879
5. L. Ion, **C.- I. Ciobanu**, M. Murariu, and G. Drochioiu, SDS- induced peptide conformational changes:  
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amyloid-oligomers associated with Alzheimer's disease,  
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6. G. Drochioiu, **C.- I. Ciobanu**, S. Bancila, L. Ion, B. A. Petre, C. Andries, R.-V. Gradinaru, M. Murariu, Ultrasound-based protein determination in maize seeds, *Ultrasonics Sonochemistry*, 29, 93-103, 2016, IF=4.218
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9. S. Bancila, **C.- I. Ciobanu**, M. Murariu, G. Drochioiu, Ultrasound-assisted zein extraction and determination in some patented maize flours, *Revue Roumaine de Chimie*, 61(10), 725-731, 2016, IF=0.246
10. C.-M. Al Matarneh, **C.- I. Ciobanu**, I. Mangalagiu, R. Danac, Design, synthesis and antimycobacterial evaluation of some new azaheterocycles with 4,7-phenanthroline skeleton. Part VI, *Journal of the Serbian Chemical Society*, 80(0), 1-15, 2015, IF=0.822
11. **C.- I. Ciobanu**, L. Habasescu, D. Scutaru and G. Drochioiu, Fluorescence Changes of Glycyl-Tryptophan Peptide in the Presence of Some Newly Synthesized Azobenzene Compounds, *Letters in Organic Chemistry*, 12(2), 91-99, 2015, IF=0.730
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14. G. Drochioiu, L. Ion, **C.- I. Ciobanu**, L. Habasescu, I. Mangalagiu, Mass spectrometric approach of pH-dependent copper-glutathione complexes, *European Journal of Mass Spectrometry*, 19(1), 71-75, 2013, IF=1.022
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## **Articole științifice publicate *in extenso* în reviste indexate BDI**

1. M. Murariu, **C.- I. Ciobanu**, I. Bunia, A. Surleva, A. E. Butnariu, *Wheat seeds as environmental markers in heavy metal and arsenic pollution of Tarnita mining area*, in ISI Web of Science database Conference Proceedings SGEM 2016" Volume II –Soils Section. Forest, Marine and Ocean Ecosystems ISBN 978-619-7105-37-7/ISSN1314-2704 DOI:10.5593/sgem2015B32, 2016
2. V. Vasilache, M.-A. Cretu, M. Risca, E. Ciornea, C. Maxim, I. G. Sandu, **C.- I. Ciobanu**, *Dehydrogenases activity in sludge samples of Suceava River*, International Journal of Conservation Science, 6 (1), 99-104, 2015, indexată în baze de date internationale Scopus, Chemical Abstracts, Ulrich's Database, Journal Seek
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## **Lucrări prezentate la conferințe internaționale**

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3. D. Amăriucăi-Mantu, V. Antoci, M.- M. Grigore, **C.- I. Ciobanu**, C. Moldoveanu, I. Mangalagiu, NMR complexation studies of some quinoline derivatives, 20<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering 6 – 9 September 2017, Poiana Brasov, Romania (Poster presentation S1-096).

4. M. Murariu, **C.- I. Ciobanu**, I. Bunia, A. Surleva, A. E. Butnariu, Wheat seeds as environmental markers in heavy metal and arsenic pollution of Tarnita mining area, in ISI Web of Science database Conference Proceedings SGEM 2016”, Volume II –Soils Section. Forest, Marine and Ocean Ecosystems ISBN 978-619-7105-37-7/ISSN1314-2704 DOI:10.5593/sgem2015B32, 30 iunie- 6 iulie, 2016
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8. **C.- I. Ciobanu**, A. Niculescu, M. Murariu, S. Bancila, V. Antoci, G. Drochioiu, Synthesis and analysis of new mutant neuropeptides with potential therapeutic for symptomatic treatment in Alzheimer Disease, 19<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, RICCCE 19, Sibiu, Romania, 2-5 September 2015.
9. D. Mantu, V. Antoci, **C.- I. Ciobanu**, C. Moldoveanu, Characterization of amide bond conformers of some 3(2H)-pyridazinone N-acylhydrazone derivatives, The International Conference On Science, Ecology And Technology 1, ICONSETE, Vienna, Austria, 25-28 august 2015
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3. C.- I. Ciobanu, R. Stefanescu, M. Jureschi, V. Antoci, M. Niculaea,G. Drochioiu, Binding of redox-active metals to peptides, Conferința Facultății de Chimie din cadrul „Zilelor Universității AL. I. Cuza” Iași, 27-28 Octombrie 2016.
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18. **C.-I. Ciobanu**, M. Murariu, L. Habasescu and G. Drochioiu, Synthesis and characterization of new mutant peptides used for understanding the conformational changes related to Alzheimer disease, Zilele Universitatii “Al. I. Cuza-Iasi“, 31 Octombrie - 1 Noiembrie, **2014**. Poster
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20. S. Băncilă, B. A. Petre, M. Murariu, **C. Ciobanu**, G. Drochioiu, Spectrophotometric methods applied in the investigation of corn meals and zeins, Acta Chemica Iasi, 21(2) (supplement), 36, DOI: 10.2478/achi-2013-0012, Conferința Facultății de Chimie, 2013. Scurta comunicare
21. V. Antoci, D. Mantu, Ghe. Zbancioc, C. Moldoveanu, A. Nicolescu, **C. Ciobanu**, I.I. Mangalagiu, New bis-imidazolium salts: synthesis and NMR characterization, Acta Chemica Iasi, 21(2) (supplement), 42, DOI: 10.2478/achi-2013-0012, Conferința Facultății de Chimie, 2013. Poster
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CSIII dr. ing. Cătălina-Ionica Ciobanu