

Universitatea Națională de Știință și Tehnologie POLITEHNICA București

Facultatea: **Inginerie chimica si Biotehnologii**

Departamentul: **Chimie Anorganică, Chimie-fizică și Electrochimie**

Nume Prenume: **Constantin Carolina**

Gradul didactic: **Conferențiar**

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

1. *Noi reactivi colectori în flotația ionică*, coordonator Prof.univ.dr.ing. Ligia Stoica

B. Cărți si capitole în cărți publicate în ultimii 10 ani

1. **Constantin C.**, *Unite didactique 5 – STEM dans la cuisine*, în STEM en action, Guide d'activite interdisciplinaires pour les professeurs pp. 69 - 100, 2020, <https://stem-en-action.blogspot.com>;
2. **Constantin C.**, *Impactul hidrocarburilor aromatice polinucleare asupra mediului înconjurător*, Ed. PRINTECH, București, 100 p., 2016, ISBN 978-606-23-0719-6, Cod CNCIS 54, WEB : www.printech.ro;
3. **Vosniakos F.**, Meghea A., Golumbeanu M., **Constantin C.**, Nenciu M.I., *Protection of Natural Resources and Environmental Management: The Main Tools for Sustainability, International Conference (6; Bucharest 2016)*, Ed. Boldaş, 160 p., 2016, ISBN 973-606-8066-53-0;
4. Stoica L., **Constantin C.**, *Depoluarea sistemelor apoase I*, Ed. POLITEHNICA PRESS, Bucuresti, 360 p., 2010, ISBN 978-606-515-174-8; ISBN VOL. 1: 978-606-515-174-1, Cod CNCIS 19, WEB: http://www.upb.ro/editura-upb/templates/Polipress_home.htm;
5. Soare M., Cioroianu T.M., Sarbu C., Damian A., **Constantin C.**, *Cercetări privind eficiența agrochimică a unor fertilizanți neconvenționali, prin utilizarea tehnicilor nucleare*, Ed. SITECH, Craiova, 118 p., 2010, ISBN 978-606-11-0849-7, Cod CNCIS 170, WEB: <http://www.sitech.ro>;

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. Crisciu A.V., Stoica L., Constantin C., Hanganu A, Ianos (Craioveanu) M.G., Kinetic Modeling of Brilliant Blue Discoloration by Ozonation, 2024, Sustainability, 16(21), 9591; doi.org/10.3390/su16219591
2. Saftoiu G.V., Constantin C., Nicoara A.I., Pelin G., Fikai D., Fikai A., 2024, Sustainability, 16(11), 4632; doi.org/10.3390/su16114632
3. Constantin C., Stefan D.S., Manea Saghin AM, Meghea I., Innovative collagen based biopolymers tested as fertilizers for poor soils amendment, 2023, Polymers (Basel), 15(9), 2085; doi:10.3390/polym15092085
4. Saftoiu G.V., Constantin C., Nicoara A.I., Pelin G., Fikai D., Fikai A, 2023, Glass fabrics functionalization for the development of high performance sandwich structures, U.P.B. Sci. Bull., Series B, Vol. 85(1), 17-28

5. Constantin C., Popescu (Hostuc) I.C., Oprea O., Stoica L., 2022, U(VI) removal from diluted aqueous systems by sorption-flotation, *Scientific Reports*, 12(1), 16951
6. Lacatusu A.R., Meghea A., Rogozea A.E., Constantin C., 2021, Innovative polycomposite fertilizer obtained by recycling and processing three organic waste, *Agriculture*, 11(10), 1021; <https://doi.org/10.3390/agriculture11101021>
7. Alexandra-Andreea Dobrin, Carolina Constantin, Gheorghe Nechifor, 2021, Water quality monitoring from Avicola Slobozia S.A., *U.P.B. Sci. Bull., Series B*, Vol. 83(4), 131-144
8. Craioveanu M.G., Stoica L., Constantin C., Oprea O., 2020, Cr(III)_{aq} separation by flotation with multipolar collector, *Separation Science and Technology*, 55(2), 346-357, on line DOI: 10.1080/01496395.2019.1577438.
9. Marcvar M., Tiron S., Alassadi A., Stoica L., 2019, The dual behaviour of the ozone – environmental and health implication, *J. Envir. Protect. Ecol.*, 20(2), 976-985
10. Marcvar M., Constantin C., Stoica L., 2019, Discoloration of food dyes from aqueous media by ozonation. Case Study: Brilliant Blue, *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, Ed. Politehnica Press, 81(3), 119-129, ISSN 1454-2331.
11. ISI Popescu (Hostuc) I.C., Stoica L., **Constantin C.***, Stanescu A.M., Equilibrium and kinetics of U(VI)_{aq} adsorption on in situ generated Fe₂O₃ nH₂O, *Revista de Chimie*, 2019, 10, 3482 - 3485;
12. ISI Craioveanu M.G., Stoica L., **Constantin C.***, Oprea O., Cr(III)_{aq} separation by flotation with multipolar collector, *Separation Science and Technology*, 2019, On line, DOI: 10.1080/01496395.2019.1577438;
13. ISI Cioroianu T., Sirbu C., Birescu G., Burtan L., Lungu M., **Constantin C.**, Fertilisers with natural organic substances, physicochemical and agrochemical characteristics, *Journal of Environmental Protection and Ecology*, 2017, 18 (4), 1668 - 1675;
14. ISI Bacioiu I. G., Stoica L., **Constantin C.***, Stanescu A. M., Removal of Tartrazine from Aqueous Solution by Adsorption on Activated Red Mud, *Water Air Soil Pollution*, 2017, 228: 298, DOI 10.1007/s 11270-017-3469-3;
15. ISI Bacioiu I.G. , Stoica L., **Constantin C.***, Stanescu A.M., Adsorption equilibrium and kinetics modeling for tartrazine (E102) - Fe(II) based adsorbent system, *Revista de Chimie*, 2016, 67(12), 2391-2395, ISSN 0034-7752;
16. Bacioiu I.G., **Constantin C.***, Stănescu A.M., Stoica L., removal of tartrazine (E102) from aqueous solutions by sorption-flotation, *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, Ed. Politehnica Press, 2016, 78, 137-148, ISSN 1454-2331, Cod CNCIS 50, WEB Site Revista: <http://www.scientificbulletin.upb.ro/SeriaB-ChimiesiStiintaMaterialelor.php>; BDI: www.theiet.org/publishing/inspec/support/docs/loj.cfm;
17. ISI Stoica L., **Constantin C.***, Calin C., Nitrate ion removal from liquid media by sorption-flotation, *Journal of Environmental Protection and Ecology*, 2015, 16(3), 1049-1060, ISSN 1311-5065;
18. ISI Craioveanu M.G., Stoica L., **Constantin C.***, Josceanu Ana Maria, Kinetic studies of caffeic acid-Pb(II)_{aq} reaction and of their flotation process, *Revista de Chimie*, 2015, 66(3), 299-303, ISSN 0034-7752, WOS:000352756300002;
19. ISI Stoica L., Stanescu A.M., **Constantin C.**, Oprea O., Bacioiu G., Removal of Copper(II) from Aqueous Solutions by Biosorption-Flotation, *Water, Air & Soil Pollution*, 2015, 226(3), 274-284, ISSN 0049-6979, DOI 10.1007/S11270-015-2533-0;

20. ISI... Stanescu A.M., Stoica L., **Constantin C.***, Bacioiu G., Competitive biosorption of Cu^{2+} and Cd^{2+} onto inactive *Saccharomyces cerevisiae* cells, *Journal of Environmental Protection and Ecology*, 2015, 16(1), 204-213, ISSN 1311-5065 WOS:000353528800025;
21. ISI Stanescu A.M., Stoica L., **Constantin C.***, Bacioiu G., Modelling and kinetics of Cd(II) biosorption onto inactive commercial instant dry baker's yeast, *Revista de Chimie*, 2015, 66(2), 173-177, ISSN 0034-7752, WOS:000351659300005;
22. ISI Craioveanu M.G., Stoica L., **Constantin C.***, Pb(II) Removal from Aqueous System by Flotation with Novel Collector, *Separation Science and Technology*, 2015, 50(6), 802-812, ISSN 0149-6395 print / 1520-5754 on line DOI: 10.1080/01496395.2014.978460, WOS:000353384800003;
23. Popescu (Hostuc) I.C., Stoica L., **Constantin C.***, Nicolae C., Observation on the chemical composition of mine water in Banat District, *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, Ed. Politehnica Press, 2015, 77, 2, 107-122, ISSN 1454-2331, Cod CNCISIS 50, WEB Site Revista: <http://www.scientificbulletin.upb.ro/SeriaB-ChimiesiStiintaMaterialelor.php>; BDI: www.theiet.org/publishing/inspec/support/docs/loj.cfm;
24. ISI Craioveanu M.G, Stoica L., **Constantin C.***, Kinetic Studies of Caffeic Acid-Cr(III)_{aq} Reaction and of the Flotation Process, *International Journal of Innovative Research in Advanced Engineering*, 2014, 1(12), 103-108, ISSN 2349-2163;
25. ISI Stanescu A.M., Stoica L., **Constantin C.**, Lacatusu I., Oprea O., Miculescu F., Physicochemical Characterization and Use of Heat Pretreated Commercial Instant Dry Baker's Yeast as a Potential Biosorbent for Cu(II) Removal, *Clean - Soil, Air, Water*, 2014, 42(11), 1632-1641, ISSN 1863-0650, eISSN 1863-0669, WOS: 000344777700019 ;
26. ISI... Stoica L., Stanescu A.M., **Constantin C.***, Bacioiu G., Cadmium (II) removal from aqueous solutions by biosorption onto inactive instant dry baker's yeast, *Revista de Chimie*, 2014, 65(7), 844-847, ISSN 0034-7752, WOS: 000345545600021;
27. ISI Calin C., Stoica L., **Constantin C.***, Fluoride Ion Removal from Liquid Media by Precipitation-flotation, *Revista de Chimie*, 2014, 65(4), 475-480, ISSN 0034-7752, WOS: 000338605100019;
28. ISI Craioveanu M.G., Gheorghe S., Lucaciu I., Stoica L., **Constantin C.**, Assessment of Aquatic Toxicity of the Caffeic Acid Complexed with Cr(III) and Pb(II) in the Flotation Process, *Revista de Chimie*, 2014, 65(3), 339-343, ISSN 0034-7752, WOS: 000335294800017;
29. ISI Dochia M., Stanescu Dina M., **Constantin C.**, Calcium content indicator of scouring efficiency, *Fibres & Textiles in Eastern Europe*, 2013, 21, 3(99), 22-25, ISSN 1230-3666, WOS : 000319485200004;
30. Stoica L., Craioveanu M. G., **Constantin C.***, Cr(III) Removal from Aqueous Systems by Flotation with Atypical Collector, *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, Ed. Politehnica Press, 2013, 75, 1, 135-148, ISSN 1454-2331, Cod CNCISIS 50, WEB Site Revista: <http://www.scientificbulletin.upb.ro/SeriaB-ChimiesiStiintaMaterialelor.php>; BDI: www.theiet.org/publishing/inspec/support/docs/loj.cfm;
31. Stanescu A-M., Stoica L., **Constantin C.**, Immobilization of Cu(II) Ions from Aqueous Systems into Eco-friendly, Low-cost Biomaterial, *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, Ed. Politehnica Press, 2013, 75, 1, 113-124, ISSN 1454-2331, Cod CNCISIS 50,

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32. Soare M., Sarbu C., Cioroianu T.M., **Constantin C.**, Marin N., Grigore A., Oprica I., The influence of foliar complex fertilizers, with natural organic substances, on aminoacids concentration in the leaves of sun flower crop, *Annals of the University of Craiova-Agriculture, Montanology, Cadastre Series*, 2013, 42(1), 539-546, Cod CNCSIS 502, WEB Site Revista: <http://agronomie.administrativ.ucv.ro/aamc/index.php/aame>;
BDI: <http://journals.indexcopernicus.com/karta.php?action=masterlist&id=5584>;
33. ISI Stoica L., **Constantin C.***, Lacatusu I., Collector Reagents for Heavy Metal Ions Separation from Polluted Aqueous Systems, *Journal of Environmental Protection and Ecology*, 2012, 13(2), 486-496, ISSN 1311-5065, WOS: 000306252600009;
34. Stoica L., **Constantin C.**, Calin C., Floride Removal from Aqueous Solutions by Sorbtion-Flotation, *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, Ed. Politehnica Press, 2012, 74, 4, 87-102, ISSN 1454-2331, Cod CNCSIS 50, WEB Site Revista: <http://www.scientificbulletin.upb.ro/SeriaB-ChimiesiStiintaMaterialelor.php>
BDI: www.theiet.org/publishing/inspec/support/docs/loj.cfm;
35. ISI Lacatusu I., Stoica L., **Constantin C.**, Separation of Cu(II) from Water by Flotation with Hydroxyaromatic Chelating Collectors, *Revista de Chimie*, 2010, 60(11), 1059-1065, ISSN 0034-7752, WOS: 000286571600010;
36. ISI Babeanu C., **Constantin C.**, Paunescu G., Popa D., Effects of Drought Stress on Some Oxidoreductase enzymes in five varieties of wheat, *Journal of Environmental Protection and Ecology*, 2010, 11(4), 1280-1284, ISSN 1311-5065, WOS: 000287009900010;
37. ISI Golumbeanu M., Vosniakos F.K., Avdimiotis S., Mentzelou P., **Constantin C.**, Teohareva M., Upgrade Black Sea Scene. Developing a Research Infrastructure for the Black Sea, *Journal of Environmental Protection and Ecology*, 2010, 11(3), 1150-1157, ISSN 1311-5065, WOS: 000282925000041;
38. ISI Popa D., Hanescu V., **Constantin C.**, Codreanu M., The Concept of Plant-Fungi-Soil Partnership-a Realistic Approach of Symbiotic Systems Developed on Dumps of Ashes from Isalnita Area-Romania, *Journal of Environmental Protection and Ecology*, 2010, 11(3), 958-965, ISSN 1311-5065, WOS: 000282925000014;
39. ISI Lacatusu I., Mihai M., **Constantin C.***, Meghea A., Evaluation of Carbon Monoxide Pollution in Bucharest and Potential Risk for Human Health. Part I, *Journal of Environmental Protection and Ecology*, 2010, 11(3), 896-910, ISSN 1311-5065, WOS: 000282925000012;
40. Babeanu C., Popa D., **Constantin C.**, Paunescu C., Studies on the influence of water stress on free amino acids and proteins content in wheat leaves, *Analele Universitatii din Craiova*, 2009, 14(50), 627-630, Cod CNCSIS 175, WEB Site Revista: <http://www.wanucraiova.3x.ro/>;
BDI: <http://www.cabl.org/Default.aspx?page=1016&site=170&pld=125&xslttab=2&newtitlesonly=-&search=craiova>,
41. Soare M., Dana D., Anton I., Sarbu C., **Constantin C.**, Cioroianu T., Mihalache D., Oprica I., Grigore A., Marin N., Influenta surselor chimice de azot din ingrasamintele foliare complexe asupra penetrarii, acumularii si distributia azotului in inflorescentele plantelor de floarea soarelui din solutiile aplicate pe frunze, The influence of nitrogen chemical sources from complex foliar

fertilisers on the penetration, uptake and the distribution of the nitrogen in the tops of sunflower plants from the applied solutions on leaves, *Analele Universitatii din Craiova, Seria Agricultura, Montanologie, Cadastru*, 2009, XXXIX, Seria A, 512-515, Cod CNC SIS 502, WEB Site Revista: <http://agronomie.administrativ.ucv.ro/aame/index.php/aame>;
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D. Lucrări publicate în ultimii 10 ani în reviste și volume de conferințe cu referenți (neindexate)

- Reviste

- Selecție cu maximum 20 lucrări în volume de conferințe

1. **Constantin C.**, Andreopoulou Z.S., Oproiu G., Koliouška C., E-learning for environmental chemistry issues: a green regional policy for development, Proceeding of The IRES 174th International Conference, 2019, 1 - 4;
2. Popescu (Hostuc) I.C., Stoica L., **Constantin C.**, Oprea O., Vacuum annealing effect on Fe-based nanomaterials removal efficiency of U(VI) and some accompanying elements from diluted aqueous systems, *Global and Regional Environmental Protection* 2018, p. 222 - 224, <https://glorep.upt.ro/resource/Glorep2018.pdf>;
3. Calin C., Oproiu G., Stoica L., **Constantin C.**, Removal of fluoride ion from liquid media by flotation. Kinetic aspects, *Global and Regional Environmental Protection* 2010, Vol 1, p. 276-280, ISBN 978-606-554-210-5, ISBN VOL.I: 978-606-554-211-2 Cod CNC SIS 186, WEB: <http://www.editurapolitehnica.upt.ro/>;
4. Stoica L., **Constantin C.**, Micu O., Lacatusu I., Oproiu G., Cr(VI) Separation from aqueous system by reduction-precipitation-flotation (DAF), *Global and Regional Environmental Protection*, 2010, Vol 1, p. 126-129, Ed. POLITEHNICA, Timisoara, ISBN 978-606-554-210-5, ISBN VOL.I: 978-606-554-211-2, Cod CNC SIS 186, WEB: <http://www.editurapolitehnica.upt.ro/>;
5. Moise A.G., **Constantin C.***, Stoica L.*, Poluarea cu metale toxice si impactul asupra mediului, *Lucrarile Sesiunii de Comunicări Științifice Studentești "In extenso"*, Alba-Iulia, Ed. AETERNITAS, Alba-Iulia, ISBN 978-973-1890-66-1, 2010, 982-990, <http://www.uab.ro/aeternitas>;
6. Plopeanu E.F., Gradinaru I.A., Stoica L.*, **Constantin C.***, Metode neconventionale pentru tratarea si epurarea apelor, *Lucrarile Sesiunii de Comunicări Științifice Studentești "In extenso"*, Alba-Iulia, Ed. AETERNITAS, Alba-Iulia, ISBN 978-973-1890-66-1, 2010, 972-981, <http://www.uab.ro/aeternitas>;

E. Brevete obținute în întreaga activitate

1. Stoica L., **Constantin C.**, Nicolau M., Nitoi I., *Procedeu combinat de indepartare a ionilor Fe(II, III) din sisteme apoase postoxidare pesticide*, **1025/18.12.2012, RO 129 555 A2, aparat in mai 2018**