

UNIVERSITATEA TEHNICĂ DIN CLUJ-NAPOCA**Facultatea Ingineria Materialelor și a Mediului****Departamentul Ingineria Mediului și Antreprenoriatul Dezvoltării Durabile****LISTĂ DE LUCRĂRI****dr. ing. Ioana Monica SUR****I. Teza de doctorat**

Cercetări privind extracția metalelor grele prin biolixiviere in situ din solurile poluate, septembrie 2011, Universitatea Tehnică din Cluj-Napoca, coordonator științific prof.dr.ing. MICLE Valer, UTC-N.

II. Cărți

Micle V., **Sur I.M.**, *Știința solului – Îndrumător de laborator*, Editura UT Pres, Cluj-Napoca, ISBN 978-973-662-724-8, 2012, 93 pagini.

III. Articole publicate în reviste științifice

Articole publicate în reviste cotate/indexate ISI

1. **Berar (Sur) Ioana Monica**, Micle, V., Avram, S., Șenilă, M., Oros, V., *Bioremediation of some heavy metals from polluted soils*, Environmental Engineering and Management Journal, vol. 11(8), pp.1389 – 1393, 2012, Print ISSN: 1582-9596, eISSN: 1843-3707, FI. 1.435.

http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol11/no8/4_80_Sur_11.pdf

Citare

1. Vasile Lucian Pavel, Dana-Luminita Sobariu, Ionela Daniela Tudorache Fertu, Florian Stătescu, Maria Gavrilăscu, *Symbiosis In The Environment Biomanagement Of Soils Contaminated With Heavy Metals*, European Journal of Science and Theology, August, , vol .9(4), pp. 211 – 224, 2013 (revista ISI).
https://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=12&SID=W2BNfVAmdbZq8GyK17E&page=1&doc=1
2. Suditu Gabriel Dan; Piuleac Ciprian George; Bulgariu Laura; Curteanu Silvia, *Application Of A Neuro-Genetic Technique In The Optimization Of Heavy Metals Removal From Wastewaters For Environmental Risk Reduction* Environmental Engineering & Management Journal (EEMJ), vol. 12(1), pp. 167 – 174, 2013 (revista ISI).
<http://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawl>

[er&jrnl=15829596&AN=86231094&h=0KxOIKRd%2f6KvgjufnRGS7E1HdyvcsSANiuL%2bhBA1N5IDNcBIPdsoObVWKqne%2f0OnSH%2fWHSzrWQO2twWl6gbvw%3d%3d&crl](http://chem.ubbcluj.ro/~studiachemia/issues/chemia2017_3/20plugaru_rusu_225_238.pdf)

[=cau](http://chem.ubbcluj.ro/~studiachemia/issues/chemia2017_3/20plugaru_rusu_225_238.pdf)

http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol12/no1/19_943_Suditu_12.pdf

3. Sebastian Radu Cristian Plugarua, Tudor Rusu, Katalin Molnar, Laszlo Fodorpataki, Chromium removal from polluted water and Its influence on biochemical and physiological parameters in algal cells used for phytoremediation, *Studia Universitatis Babes-Bolyai, Chemia*, LXII, 3, pp. 225 – 238, 2017 (revista ISI)
http://chem.ubbcluj.ro/~studiachemia/issues/chemia2017_3/20plugaru_rusu_225_238.pdf
2. George-Călin Rogozan, Valer Micle, **Ioana-Monica Sur**, *Maps of heavy metals in cluj county soils developed through regression-kriging method*, *Environmental Engineering and Management Journal*, vol.15(5), pp. 1035 – 1039, 2016, FI.1.435.
3. Gabor T., Dan V., Tiuc A.E., **Sur I.M.**, Bădilă I.N., *Modeling and simulation of heat transfer processes for heat exchangers with heat pipes used for recovering heat from wastewater*, *Environmental Engineering and Management Journal*, vol.15(5), pp. 1027 – 1033, 2016, FI.1.435.
4. **Sur, Ioana Monica**; Micle, Valer; Gabor, Timea, *The influence of polluted soil aeration in the process of in situ bioleaching*, *Studia Universitatis Babes-Bolyai, Chemia*, vol. 61 Issue 3 Tom2, pp. 355 – 364, 2016, FI.0.244.

Citare:

Chromium removal from polluted water and Its influence on biochemical and physiological parameters in algal cells used for phytoremediation, Sebastian Radu Cristian Plugarua, Tudor Rusu, Katalin Molnar, Laszlo Fodorpataki, *STUDIA UBB CHEMIA*, LXII, 3, pp. 225 – 238, 2017 (revista ISI)

http://chem.ubbcluj.ro/~studiachemia/issues/chemia2017_3/20plugaru_rusu_225_238.pdf

5. Timea Gabor*, Viorel Dan, Iulian-Nicolae Badila, Ancuta-Elena Tiuc, **Ioana Monica Sur**, *Improving the energy efficiency of residential buildings by using a drain water heat recovery system*, *Environmental Engineering And Management Journal*, vol.16(7), pp.1631 – 1636, 2017, FI.1.435.

Articole ISI proceedings

6. **Ioana Monica SUR**, Timea GABOR, Adriana Mihaela CHIRILA BABAU, Ancuta Elena TIUC, Research regarding As and Cd extraction from the polluted soils, 17th International Multidisciplinary Scientific Geoconference SGEM 2017, Conference proceedings, Nano, Bio, Green and Space -Technologies for a Sustainable Future, vol. 17(63), pp. 327 – 334.

* Author to whom all correspondence should be addressed: e-mail: timea.gabor@imadd.utcluj.ro; Phone: +40/264-401624

7. Timea GABOR, Ancuta-Elena TIUC, Iulian-Nicolae BADILA, **Ioana Monica SUR**, Heat exchanger utilizations in wastewater heat recovery for buildings: a key review, 17th International Multidisciplinary Scientific Geoconference SGEM 2017, Conference proceedings, Energy and Clean Technologies, vol. 17(43), pp. 683 – 694.
8. Anuța-Elena Tiuc, Timea Gabor, **Ioana Monica Sur**, Daniela-Roxana Tamas-Gavrea, Horațiu Vermeșan, Recovery of sawdust, recycled rubber particles and textile waste by making sound absorbing materials, 17th International Multidisciplinary Scientific Geoconference SGEM 2017, Conference proceedings, Energy and Clean Technologies, vol. 17(43), pp. 171 – 178.
9. **Ioana Monica Sur**, Alexandra Cîmpean, Valer Micle, Claudiu Tănăselia, Physical-chemical properties analysis of the soil contaminated with heavy metals from Copsa-Mica area, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, vol. 6, pp.51 – 56, 2017.
10. Adriana Mihaela Băbău, Valer Micle, **Ioana Monica Sur**, Study on physico-chemical properties of soil in the Radeș mine area, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, vol. 6, pp.108 – 113, 2017.

Articole acceptate spre publicare în reviste indexate ISI

11. Dorina Pop, Valer Micle, **Ioana Monica Sur**, *Optimizing the process of depollution through thermal absorption of soils contaminated with crude oil*, Environmental Engineering and Management Journal, Iași, FI.1.435, (atașat acceptul spre publicare).
12. **Ioana Monica Sur**, Valer Micle, Timea Gabor, *Heavy metals removal by bioleaching using Thiobacillus Ferrooxidans*, Romanian Biotechnological Letters, FI: 0.404, (atașat articolul acceptat spre publicare).

Articole publicate în reviste indexate BDI

13. Adriana Mihaela Băbău, Valer Micle, **Ioana Monica Sur**, Proprietăți fizico chimice ale solului din jurul haldei Radeș/județul Alba, Buletinul AGIR – Știință și Inginerie, vol. 32, pp. 761 – 766, 2017.
14. Timea GABOR, Viorel DAN, Anuța Elena TIUC, **Ioana Monica SUR**, Exploatarea și recuperarea căldurii din surse energetice secundare cu potențial termic coborât, Buletinul AGIR – Știință și Inginerie, vol. 32, pp. 751 – 760, 2017.
15. Adriana Mihaela Băbău, Valer Micle, **Ioana Monica Sur**, Research on underground water quality from Almasu Mare area, Aerul și apa – Componente ale Mediului, , vol. XI, pp. 269 – 274, 2017.
16. **I.M. Sur**, V Micle, MN Boroș, GC Rogozan, The conception of an experimental model for ex situ bioremediation of soils contaminated with petroleum hydrocarbons, AES Bioflux, vol. 9(1), pp. 72 – 76, 2017.
17. Melania-Nicoleta BOROȘ, Valer MICLE, Lazăr FLĂMÎND, **Ioana Monica SUR**, *Phytoremediation planning in the case of former industrial sites*, STUDIA UBB AMBIENTUM, LXI, vol. 1 – 2, pp. 5 – 14, 2016.

18. Cristorean C., Micle V., **Sur I. M.**, *A critical analysis of ex-situ bioremediation technologies of hydrocarbon polluted soils*, Ecoterra – Journal of Environmental Research and Protection, vol. 13(1), pp. 17 – 29, 2016, (Index Copernicus, Serials Solutions, Ulrichs Periodicals Directory, CABI CAB Abstracts, Google Scholar Academic).

Citare:

Yusufu Luka, Hassan Ahmed Saddiq, Timothy Musa Chiroma, Usaku Hassan, And Simulation of Lake Gerio Pollution Reduction in Jimeta-Yola, Nigeria using mixed culture, International Journal of Scientific & Technology Research, vol. 6(8), 2017, ISSN 2277-8616, 314, <http://www.ijstr.org/final-print/aug2017/Modeling-And-Simulation-Of-Lake-Gerio-Pollution-Reduction-In-Jimeta-yola-Nigeria-Using-Mixed-Culture.pdf>

19. **Ioana Monica SUR**, *Study on the bioleaching influence factors/Studiu asupra factorilor de influență ai biolixivierii*, Acta Technica Napocensis, Series Environmental Engineering and Sustainable Development Entrepreneurship (bilingual edition), vol. 4(4), pp. 61 – 67, 2015, ISSN - 2284-743X, ISSN-L – 2284-743X, (Google Scholar).
20. Andreea Coste (Bână), **Ioana Monica Sur**, *Influence of poultry manure and universal peat on the bioremediation of soil contaminated with diesel fuel*, Ecoterra – Journal of Environmental Research and Protection, vol. 4(12), pp. 26 – 31, 2015, ISSN 1584-7071, Electronic ISSN 2248-3128 (Index Copernicus, Serials Solutions, Ulrichs Periodicals Directory, CABI CAB Abstracts, Google Scholar Academic).
21. **Ioana Monica SUR**, *Research on the in situ biological extraction of heavy metals from polluted soils/Phd thesis summary/ Cercetări privind extracția metalelor grele prin biolixiviere in situ din solurile poluate, Rezumat teză de doctorat*, Acta Technica Napocensis, Series Environmental Engineering and Sustainable Development Entrepreneurship (bilingual edition), vol. 4(3), pp. 43 – 48, 2015, ISSN - 2284-743X, ISSN-L – 2284-743X, (Google Scholar).
22. POP Dorina, Valer MICLE, Claudiu TANASELIA, **SUR Ioana Monica**, *Influence of Process Parameters on the Thermal Desorption at Low Temperature Crude Oil-Contaminated Soils*, ProEnvironment, vol. 8, pag. 463 – 467, 2015, ISSN 2066-1363, Cluj-Napoca (Thomson Reuters Master Journal, Index Copernicus, CAB Abstracts, DOAJ, EBSCO).
23. Andreea (COSTE) BÎNĂ, Valer MICLE, **Ioana Monica SUR**, *The Effect of Organic Fertilizer from Farm Animals on the Bioremediation Process of Soil Polluted with Petroleum Hydrocarbons*, ProEnvironment, vol. 8, pag. 476 – 480, 2015, ISSN 2066-1363, Cluj-Napoca, (Thomson Reuters Master Journal, Index Copernicus, CAB Abstracts, DOAJ, EBSCO).
24. Dan-Vlad JAȘCĂU, Melania BOROȘ, Timea GABOR, **Ioana Monica SUR**, Elena Maria PICĂ, *Efficient Methods of treating The Leachate generated from Municipal waste landfills/ Metode eficiente de tratare a levigatului generat din depozitele de deșeuri municipale*, Acta Technica Napocensis, Series Environmental Engineering and Sustainable Development Entrepreneurship (bilingual edition), vol 4(1), 41-50, 2015, ISSN - 2284-743X, ISSN-L – 2284-743X,

- http://cpadd.utcluj.ro/fileadmin/Revista_CPADDD/vol_4_nr_1/05_Jascau_DV_Boros_MN_Gabor_T_Sur_IM_Pica_EM.pdf, (Google Scholar).
25. **Sur, I.M.**, *Methods of in situ bioremediation of contaminated soils: a review/Metode de bioremediere in situ a solurilor contaminate: studiu*, Acta Technica Napocensis, Series Environmental Engineering and Sustainable Development Entrepreneurship (bilingual edition), vol. 3(4), pp 53-58, 2014, ISSN - 2284-743X, ISSN-L – 2284-743X, (Google Scholar).
26. Pop Dorina, Micle, V., Fodor, H., **Sur Ioana Monica**, Determination of soils properties texturally distinguished and their influence on thermal desorption process, ProEnvironment, vol. 6(14), pp. 318 – 323, 2013, ISSN 2066-1363, Cluj-Napoca, 2013, <http://journals.usamvcluj.ro/index.php/promediu/article/view/9900/8268> , (Thomson Reuters Master Journal, Index Copernicus, CAB Abstracts, DOAJ, EBSCO).
27. **SUR Ioana Monica**, Valer MICLE, Călin ROGOZAN, *The Analysis of Pollutes Soils from Romplumb Baia Mare Area for in Situ Bio-Leaching Treatment*, ProEnvironment/ProMediu, vol. 5(11), pp. 170 – 175, 2012, ISSN 2066-1363, ISSN 2066-1363, <http://journals.usamvcluj.ro/index.php/promediu/article/viewFile/8262/7011>, (Thomson Reuters Master Journal, Index Copernicus, CAB Abstracts, DOAJ, EBSCO).
28. **Ioana M. Sur**, Valer Micle, Georgiana Ploeanu, *Cercetări asupra stării de calitate a solurilor din zona Romplumb Baia Mare*, Ecoterra – Journal of Environmental Research and Protection, no. 31. pp. 105 – 109, 2012, <http://www.ecoterra-online.ro/files/1358614704.pdf>, ISSN 1584-7071, Electronic ISSN 2248-3128 (Index Copernicus, Serials Solutions, Ulrichs Periodicals Directory, CABI CAB Abstracts, Google Scholar Academic).
29. Micle, V., **Sur Ioana Monica**, *Zinc and copper extraction from polluted soils by in situ bioleaching/Extracția zincului și cuprului din solurile poluate prin biolixiviere in situ*, Acta Technica Napocensis, Series Environmental Engineering and Sustainable Development Entrepreneurship (bilingual edition), vol. 1(1), pp.49 – 56, 2012, ISSN 2284-743X, http://cpadd.utcluj.ro/fileadmin/Revista_CPADDD/Nr.1/5_-_VM.pdf, (Google Scholar).
30. Pop Dorina, Micle, V., **Sur Ioana Monica**, *Analysis Regarding Soils Contamination Impact of Petroleum Oils for Choosing Antipollution Technology*, ProEnvironment/ProMediu, vol. 5(10), p.115 – 119, 2012, ISSN: 1844 – 6698, <http://journals.usamvcluj.ro/index.php/promediu/article/view/8116/6908>, (Thomson Reuters Master Journal, Index Copernicus, CAB Abstracts, DOAJ, EBSCO).
31. Potra A. F., Micle V., **Berar (Sur) I. M.**, Băbuț Cosmina Simona, Soil Quality Evaluation in Carbochim Cluj-Napoca Area in Order to Remediate, Annals of the „Constantin Brâncuși” University of Târgu Jiu, Engineering Series, nr. 3, pp. 379 – 386, 2011, ISSN 1842-4856, http://www.utgjiu.ro/revista/ing/pdf/2011-3/39_POTRA_ADRIAN_FLORIN.pdf.
32. Urs (Nedelcu), A., Micle, V., **Berar (Sur), I. M.**, *Study on Mathematical Modelling of the Aeration and Irrigation Processes in Case of Biological Decontamination of Soils through Biopile Method*, ProEnvironment/ProMediu, vol. 4(8), pp. 212 – 216, 2011, ISSN: 1844–6698,

- <http://journals.usamvcluj.ro/index.php/promediu/article/view/7829/6753>, (Thomson Reuters Master Journal, Index Copernicus, CAB Abstracts, DOAJ, EBSCO).
33. Potra, A.F., Micle, V., **Berar (Sur), I.M.**, Băbuț, S.C., *Study on the Remediation of Polluted Soils through Specific Activities of the Pharmaceutical Industry*, ProEnvironment/ProMediu, vol 4(8), pp. 256 – 258, 2011, ISSN: 1844 – 6698, <http://journals.usamvcluj.ro/index.php/promediu/article/view/7860/6777>.
34. Cociorhan, C. S., Micle, V., Oros, V., **Berar (Sur) Ioana Monica**, *Biosolubilizarea metalelor grele prezente în solurile poluate din zona Romplumb, Baia Mare*, ProEnvironment/ProMediu, vol. 4, pp. 179 – 186, 2011, pISSN 1844-6698, eISSN 2066-1363, <http://proenvironment.ro/promediu/article/viewFile/6214/5647>, (Thomson Reuters Master Journal, Index Copernicus, CAB Abstracts, DOAJ, EBSCO).

Citare:

1. FÂCIU (CHIRILĂ) MARIA-EMA, LAZĂR GABRIEL, NEDEFF VALENTIN, The assessment of heavy metals concentration in Bacau city soil. Necessity and working methods, Journal of Engineering Studies and Research – Volume 18 (2012) No. 1, https://scholar.google.ro/scholar?oi=bibs&hl=en&cites=11156316229482539777,11788316095961819943&as_sdt=5&as_ylo=2012&as_yhi=2012

35. **Berar (Sur), I.M.**, Micle, V., Urs (Nedelcu), A, *Research on Contaminated Soils from Baia Mare Area and their Remediation by In Situ Bio-Leaching Technique*, ProEnvironment/ProMediu, vol 4(8), pp. 208 – 211, 2011, ISSN: 1844 – 6698, <http://journals.usamvcluj.ro/index.php/promediu/article/view/7827/6752>, (Thomson Reuters Master Journal, Index Copernicus, CAB Abstracts, DOAJ, EBSCO).
36. Micle, V., **Berar (Sur) Ioana Monica**, Cociorhan, C. S., Stoica, O., Urs (Nedelcu), A. M., *Innovative solution for biological treatment of soils contaminated by metallurgical industry*, Proceeding of International Conference on Innovative Technologies IN-TECH, Bratislava/Slovakia, pp. 740 – 743, 2011, ISBN 978-80-904502-6-4.
37. Cociorhan, C. S., Micle, V., Oros, V., **Berar (Sur) Ioana Monica**, *Biosolubilization of Heavy Metals Present in Polluted Soils from Romplumb Area, Baia Mare*, ProEnvironment/ProMediu, vol. 4(7), pp. 80 – 86, 2011, pISSN 1844-6698, eISSN 2066-1363, <http://proenvironment.ro/promediu/article/viewFile/6190/5630>, (Thomson Reuters Master Journal, Index Copernicus, CAB Abstracts, DOAJ, EBSCO).
38. **Berar (Sur) Ioana Monica**, Micle, V., Avram, S., Cociorhan, C. S., *Experimental research on the extraction of heavy metals from polluted soils due to the metallurgic industry*, Buletinul Institutului Politehnic din Iași-Seria: Știința și Ingineria Materialelor, Tomul LVII (LXI), Fasc. 2, Editura Politehniun, pp. 93 – 98, 2011, ISSN 1453-1690 <http://www12.tuiasi.ro/users/112/BIPI-3-2011.pdf>.
39. Cociorhan, C. S., Micle, V., **Berar (Sur) Ioana Monica**, *Research On distribution meethod of heavy metals by Soil profile from Romplumb, Baia Mare*, Buletinul Institutului Politehnic din Iași-Seria: Știința și Ingineria Materialelor, Tomul LVII (LXI), Fasc. 3, Editura Politehniun, pp. 41 – 48, 2011, ISSN 1453-1690, <http://www12.tuiasi.ro/users/112/BIPI-4-2011%20final.pdf>.

40. Micle, V., **Berar, I.M.**, Cociorhan, C.S., Stoica, O., Urs, A., *Studiu privind conceperea unui model experimental de tratare biologică a solurilor poluate prin activitățile specifice industriei metalurgice*, Environment&Progress nr. 15, pp. 162 – 169, 2011, ISSN 1584-6733.
<http://frmm.ubm.ro/Buletin/Buletin/Vol.%20XXIV%20Nr.%202%20-%202010.pdf>.
41. Cociorhan, C.S., Oros, V., Micle, V., **Berar (Sur), I. M.**, Coman, M., Juhasz, J., Taro, G., Pop, R., Fălăuș, Bianca, Remarks on sampling techniques of contaminated soils in Baia Mare area, Buletinul Științific al Universității de Nord Baia – Mare, Seria D, Exploatări Miniere, Prepararea SMU, Metalurgie Neferoasă, Geologie și Ingineria Mediului, vol. XXV, Nr. 1, pp. 117 – 125, 2011, ISSN 1582 – 0548, <http://frmm.ubm.ro/Buletin/Buletin/Vol.%20XXV%20Nr.%201%20-%202011.pdf>.
42. **Berar (Sur) Ioana Monica.**, Cociorhan, C.S., Oros, V., Micle, V., Coman, M., Juhasz, J., Taro, G., Falauș, B., Pop, R., Research regarding metal contents of soil from Romplumb Baia Mare, in order to establish the remedial technique, Buletinul Științific al Universității de Nord Baia – Mare, Seria D, Exploatări Miniere, Prepararea SMU, Metalurgie Neferoasă, Geologie și Ingineria Mediului, vol. 24(2), pp. 33 – 38, 2010, ISSN 1582-0548,
43. **Berar (Sur) Ioana Monica**, Micle, V., Cociorhan, C. S., Gament, E., Investigations on nutrients from soils polluted with heavy metals towards soil remediation by bio leaching, 16th „Building Services, Mechanical and Building Industry Days” International Conference Proceedings, Debrecen (Hungary), vol. 3, pp. 238 – 244, 2010, ISBN 978-963-473-432-9.
44. Cociorhan, C. S., Micle, V., **Berar (Sur) Ioana Monica**, Oros, V., *Experimental research to optimize parameters of the bioleaching extraction method of heavy metals*, 16th „Building Services, Mechanical and Building Industry Days” International Conference Proceedings, Debrecen (Hungary), vol. 3, pp. 253 – 258, 2010, ISBN 978-963-473-432-9.
45. **Berar (Sur) Ioana Monica**, Micle, V., Oros, V., Cociorhan, C. S., Urs (Nedelcu), A. M., *Studies and Research on Soil Quality Evaluation in Romplumb Baia Mare to address remediation of polluted sites*, ProEnvironment/ProMediu, vol. 3(6) pp. 292 – 296, 2010, ISSNp 1844-6698, ISSNe 2066-1363, <http://proenvironment.ro/promediu/article/viewFile/5493/5126>, (Thomson Reuters Master Journal, Index Copernicus, CAB Abstracts, DOAJ, EBSCO).
46. Urs (Nedelcu), A.M., Micle, V., **Berar (Sur) Ioana Monica**, Studies on polluted soil aeration systems to improve efficiency of soil remediation using biopile technology, ProEnvironment/ProMediu, vol. 3(6) pp. 437 – 441, 2010, ISSNp 1844-6698, ISSNe 2066-1363, <http://proenvironment.ro/promediu/article/viewFile/5525/5155>, (Thomson Reuters Master Journal, Index Copernicus, CAB Abstracts, DOAJ, EBSCO).
47. Urs (Nedelcu), A.M., Micle, V., **Berar (Sur) Ioana Monica**, Studii privind sistemele de aerare a solului poluat în vederea îmbunătățirii randamentului de depoluare în cazul tratării solurilor prin metoda „biopile”, ProEnvironment/ProMediu, vol. 3(6) pp. 622 – 626, 2010, ISSNp 1844-6698, ISSNe 2066-1363, <http://journals.usamvcluj.ro/index.php/promediu/article/view/5577/5196>, (Thomson Reuters Master Journal, Index Copernicus, CAB Abstracts, DOAJ, EBSCO).

48. **Berar (Sur) Ioana Monica**, Micle, V., Oros, V., Cociorhan, C. S., Urs (Nedelcu), A. M., Studii și cercetări privind evaluarea calității solurilor din zona SC. Romplumb SA. Baia Mare în vederea remedierii terenurilor poluate, *ProEnvironment/ProMediu*, vol. 3(6) pp. 472 – 476, 2010, ISSNp 1844-6698, ISSNe 2066-1363, <http://proenvironment.ro/promediu/article/viewFile/5541/5166>, (Thomson Reuters Master Journal, Index Copernicus, CAB Abstracts, DOAJ, EBSCO).
49. **Berar (Sur) Ioana Monica**, Micle, V., Study on the creation of a model of in situ biological remediation of polluted soils in areas with metallurgical activities, *Buletinul Științific Acta Tehnica Napocensis of Technical University of Cluj-Napoca, Series: Machines Construction Materials*, vol. 52, pp. 125 – 130, 2009, ISSN 1224-910 http://cpadd.utcluj.ro/fileadmin/Revista_CPADDD/Nr.1/5_-_VM.pdf.

Articole publicate în alte reviste

50. Micle, V., **Sur Ioana Monica**, *Reabilitarea siturilor industriale poluate: stare actuală și perspective*, Conferința Antreprenoriat, Mediu De Afaceri și Dezvoltare Durabilă AMDD, volumul conferinței, pp. 225 – 234, 2012, ISSN 2285-7443
51. **Berar (Sur), Ioana Monica**, Micle, V., Cociorhan, C. S., *Investigations for remediation of soils polluted with heavy metal*, Conference Volume of The 7th Environmental Science Conference in the Carpathian Basin, March 24 – 27, 2011, Cluj-Napoca (Romania), vol. 2, pp. 578 – 582, Editura Abel Kiado ISBN 1842-9815
52. Cociorhan, C. S., Oros, V., Micle, V., **Berar (Sur) Ioana Monica**, Coman, M., Taro, G., *Technique on research aspect of sampling soil contaminated with heavy metal for bioleaching technologies*, Conference Volume of The 7th Environmental Science Conference in the Carpathian Basin, March 24 – 27, 2011, Cluj-Napoca (Romania), vol. 1, pp. 380 – 384, Editura Abel Kiado ISBN 1842-9815.
53. **Berar (Sur), I.**, Micle, V., *Cercetari privind extractia metalelor grele din solurile poluate prin biolixiviere in situ in contextual dezvoltarii durabile*, Conferința Antreprenoriat Mediu de Afaceri si Dezvoltare Durabila, 2011, Cluj-Napoca, vol 1, pp. 231 – 237, ISBN 978-606-17-0010-3.

Lucrări științifice – publicate în volumul conferințelor internaționale recunoscute din străinătate

54. **Ioana Monica Sur**, Calin Baci, Valer Micle, Timea Gabor, *Modelling the pollutants behaviour in the vadose zone – a case study in Baia Mare area*, Book of Abstracts International U.A.B. – B.E.N.A. Conference, Environmental Engineering & Sustainable Development, Alba Iulia, Romania, 25-27 mai 2017, pp. 152.
55. Timea. GABOR, Viorel DAN, Ancuța Elena TIUC, Iulian Nicolae BADILA, **Ioana Monica SUR**, *Heat recovery from wastewater: critical review and future perspectives*,

Book of Abstracts International U.A.B. – B.E.N.A. Conference, Environmental Engineering & Sustainable Development, Alba Iulia, Romania, 25-27 mai 2017, pp. 72.

56. Viorel DAN, Timea GABOR, **Ioana Monica SUR**, *Tehnological parameters of the cleaning process of hydrocarbons contaminates soils using thermal microwave denudung (desorption)*, Book of Abstracts International U.A.B. – B.E.N.A. Conference, Environmental Engineering & Sustainable Development, Alba Iulia, Romania, 25-27 mai 2017, pp. 61.

IV. Brevete

1. Micle Valer, **Sur Ioana Monica**, Mitrea Mihai, *Procedeu de bioremediere ex-situ a solurilor poluate cu hidrocarburi utilizând microorganismele Pseudomas și Bacillus*, Cerere brevet de invenție A00683/19.09.2017 depusă la OSIM.

V. Participare la conferințe naționale și internaționale

1. **Ioana Monica SUR**, Timea GABOR, Adriana Mihaela CHIRILA BABAU, Ancuta Elena TIUC, *Research regarding as and cd extraction from the polluted soils*, International Conferences on Earth & Geo Sciences - SGEM VIENNA GREEN SESSIONS 2017, 27-30 noiembrie 2017, Viena, Austria.
2. **Ioana Monica SUR**, Ana-Maria TECSA, Valer MICLE, Timea GABOR, *Analyze of the physical-chemical properties of the soil in the area Posta Rat / Turda*, Simpozionul national cu participare internationala "Environment & Progress" Universitatea Babeș-Bolyai Facultatea de Știința Și Ingineria Mediului, 10 noiembrie 2017, Cluj Napoca, Romania.
3. Valer Micle, **Ioana Monica Sur**, Adriana Criste, Marin Șenilă, Erika Levei, Eugenia Gamenț, Carmen Cristorean, George Călin Rogozan, *Experimental investigation concerning ex-situ bioremediation of petroleum hydrocarbons contaminated soils*, 9 th International Conference On Environmental Engineering And Management, Circular Economy and Environmental Sustainability, 6 - 9 Septembrie 2017, Bologna, Italy.
4. **Ioana Monica Sur**, Alexandra Cîmpean, Valer Micle, Claudiu Tănăselia, *Physical-chemical properties analysis of the soil contaminated with heavy metals from Copsa-Mica area*, The International Conference of the University of Agronomic Sciences and Veterinary Medicine of Bucharest "Agriculture for life, life for agriculture", 8-10 iunie 2017, Bucuresti, Romania.
5. **Ioana Monica Sur**, Calin Baci, Valer Micle, Timea Gabor, *Modelling the pollutants behaviour in the vadose zone – a case study in Baia Mare area*, International U.A.B. – B.E.N.A. Conference, Environmental Engineering & Sustainable Development, 25-27 Mai 2017, Alba Iulia Romania.
6. Adriana Mihaela Băbău, Valer Micle, **Ioana Monica Sur**, *Proprietati fizico chimice ale solului din jurul haldei Rades/judetul Alba*, Conferinta internationala – multidisciplinara, "Profesorul Dorin Pavel - fondatorul hidroenergeticii romanesti" 2–3 iunie 2017, Sebes, Romania.

7. Adriana Mihaela Băbău, Valer Micle, **Ioana Monica Sur**, *Research on underground water quality from Almasu Mare are*, Conferinta stiintifica internationala “Aerul si apa – Componente ale Mediului”, 17-19 martie 2017, Cluj- Napoca, Romania.
8. **Ioana Monica SUR**, Valer MICLE, Melania-Nicoleta BOROȘ, George Călin ROGOZAN, *The conception of an experimental model for ex situ bioremediation of soils contaminated with petroleum hydrocarbons*, ELSEDIMIA International Conference, 26 – 28 mai 2016, Cluj-Napoca, Romania.
9. Dan-Vlad JAȘCĂU, Melania-Nicoleta BOROȘ, Timea GABOR, **Ioana Monica SUR**, Elena Maria PICĂ, *Efficient methods of treating the leachate generated from municipal waste landfills*, The fifteenth edition of The Multidisciplinary International Conference „Professor Dorin Pavel – Romanian hydropower founder”, 5 – 6 Iunie, 2015, Sebeș, Romania.
10. Carmen Cristorean, Valer Micle, **Ioana Monica Berar (Sur)**, *A critical analysis of ex-situ bioremediation technologies of hydrocarbon polluted soils*, ENVIRONMENT & PROGRESS, 10th National Symposium with international participation, 30 octombrie 2015, Cluj-Napoca, România
11. Valer MICLE, **Ioana Monica Sur**, Melania-Nicoleta Boroș, Vasile Oros, Irina Smical, *Innovative remediation technologies applicable to sites polluted by metallurgical activities*, Contaminated Site Management in Europe: Sustainable Remediation and Management of Soil, Sediment and Groundwater – CSME, October 19-21,2015, Brussels, Belgium.
12. **Berar (Sur), I.M.**, Micle, V., Urs (Nedelcu), A, *Research on Contaminated Soils from Baia Mare Area and their Remediation by In Situ Bio-Leaching Technique*, Ediția a III-a, Sesiunea de comunicări „R” –Regenerare, Reabilitare și Restaurare a Solului – de la Concept la Realizare dedicat Zilei Pământului, Cluj-Napoca, 6 mai 2011
13. **Berar (Sur), I.**, Micle, V., *Cercetari privind extractia metalelor grele din solurile poluate prin biolixiviere in situ in contextual dezvoltarii durabile*, Conferința Anteprenoriat Mediu de Afaceri si Dezvoltare Durabila, Cluj- Napoca, 1-2 iulie 2011
14. **Sur Ioana Monica**, Micle Valer, Plopean Georgeta, *Cercetări asupra stării de calitate a solurilor din zona Romplumb Baia Mare*, Conferinta Environment – Research, Protection and Management, 11 - 12 November 2011, Cluj-Napoca, Romania
15. **Berar (Sur), Ioana Monica**, Micle, V., Cociorhan, C. S., *Investigations for remediation of soils polluted with heavy meta*, Conference 7th Environmental Science Conference in the Carpathian Basin, 24-27 martie, 2011, Cluj-Napoca, România
16. **Berar (Sur) Ioana Monica**, Micle, V., Avram, S., Cociorhan, C. S., *Experimental research on the extraction of heavy metals from polluted soils due to the metallurgic industry*, The Eighth International Congress In Materials Science And Engineering Issim , 26–29 May 2011, Iași, Romania
17. **Berar (Sur) Ioana Monica**, Micle, V., Oros, V., Cociorhan, C. S., Urs (Nedelcu), A. M., *Studies and Research on Soil Quality Evaluation in Romplumb Baia Mare to address remediation of polluted sites*, Ediția a II-a a Conferinței cu tema Relația Mediu & Agricultură & Industrie: Conflict și Sinergie Dedicată Zilei Mondiale a Mediului, Cluj-Napoca, 2 iunie 2010.
18. **Berar (Sur) Ioana Monica**, Micle, V., Cociorhan, C. S., Gamenț, E., *Investigations on nutrients from soils polluted with heavy metals towards soil remediation by bio leaching*,

¹⁶th „Building Services, Mechanical and Building Industry Days” ,International Conference, 14-15 October 2010, Debrecen, Hungary

- 19. Berar (Sur) Ioana Monica.**, Cociorhan, C.S., Oros, V., Micle, V., Coman, M., Juhasz, J., Taro, G., Falaus, B., Pop, R, Research regarding metal contents of soil from Romplumb Baia Mare, in order to establish the remedial technique, Editia a II-a, Conferintei internatională “Resurse minerale și mediu, 28 – 30 octombrie 2010, Baia Mare, România

VI. Proiecte de cercetare

1. Director de proiect în cadrul proiectului de cercetare „Optimizarea procesului de biolixiviere în vederea extracției metalelor din solurile poluate – BIOSOLIX” Competiția Internă CICDI-2017, Contractul nr. 1990/12.017.2017.
2. Membru în echipa de cercetare proiectului „Recuperarea și valorificarea căldurii reziduale din apele uzate menajere în vederea îmbunătățirii eficienței energetice a clădirilor – RenerGA, Competiția Internă CICDI-2017, Contractul nr. 1994/12.017.2017.
3. Membru în echipa de cercetare proiectului „Materiale fonoabsorbante inovative pe baza de deșeuri nemetalice utilizate la realizarea de panouri acustice” Competiția Internă CICDI-2017, Contractul nr. 1992/12.017.2017.
4. Cercetător științific în proiectul de cercetare "Tehnologie inovativa de bioremediere ex-situ a solurilor poluate cu hidrocarburi" – **BIORESOL**, Proiect PNCDI II -parteneriate in domeniile prioritare, Contract 91/2014 (Septembrie 2014 – prezent) – director proiect: prof.dr. ing. Micle Valer.
5. Membru activ în proiectul de cercetare “Tehnologie inovativă de remediere a solurilor contaminate prin activitățile specifice industriei metalurgice” – **RESOLMET**, Proiect PNCDI II – Programul Parteneriate în domenii prioritare, Contract 32161/1.10.2008 (Octombrie 2008 – octombrie 2011) – director proiect: prof.dr. ing. Micle Valer.

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