

## Lista de lucrări cadre didactice

### Lista de lucrări în domeniul de studii universitare de masterat Ingineria și Managementul Factorilor de Mediu

Numele și prenumele: **COJOCARU PAULA**

#### A. Teza de doctorat.

**Institutie:** Universitatea Tehnică "Gheorghe Asachi" din Iași, Facultatea de Inginerie Chimică și Protecția Mediului

**Perioada:** 2008 - 2011

**Coordonator:** Prof.univ.dr.ing. Matei Macoveanu

**Titlul tezei:** "*Studii privind decontaminarea unor soluri cu conținut de Cd(II) și Zn(II) folosind fitoremedierea*"

**Titlul:** DOCTOR în Inginerie Chimică, diploma seria H nr. 0016301, Ordin MECTS 6697/21.12.2011

#### B. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

#### C. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

1. **Paula Cojocaru**, *Tehnologia depoluării solurilor prin fitoremediere*, Ed. Performantica, Iași, 140 pg., ISBN: 978-630-328-098-1, 2024.
2. Alina Agafiței, Vasile Lucian Pavel, **Paula Cojocaru**, *Tehnologii de depoluare a acviferelor. Îndrumător practic*, Ed. Politehniun, Iași, 124 pg., ISBN: 978-973-621-500-1, 2021.
3. **Cojocaru Paula**, *Surse, procese și produse de poluare. Lucrări de laborator*, Editura Matrix Rom, 129 pagini, ISBN: 978-606-25-0399-4, București, 2018.

#### D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

#### E. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

#### F. Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

##### - Articole publicate în reviste cotate ISI

1. **Cojocaru Paula**, Maria-Cătălina Pastia, Gabriela Biali, Cristian Cojocaru, *Heavy metal toxicity on Daphnia magna*. Environments, vol.12(3) 70, <https://doi.org/10.3390/environments12030070>.

2. C. Cojocaru, **P. Cojocaru**, R.M. Barbu, F. Pinzaru, E. Cojocaru, *Health risks in association with indoor radon exposure in Northeastern Romania*, International Journal of Environmental Science and Technology, vol. 20, no.6, pag. 5937-5944, ISSN: 1735-1472, PRINT ISSN 1735-1472, publicat online 2022 si in volum 20 iunie 2023. DOI: 10.1007/s13762-022-04398-z  
<https://link.springer.com/article/10.1007/s13762-022-04398-z>
3. **Paula Cojocaru**, Gabriela Biali, *Management of manure*, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, Vol.XII, pp. 118-123, ISSN 2285-6072, 2023. WOS:001112288100059  
<https://www.landreclamationjournal.usamv.ro/pdf/2023/Art15.pdf>
4. **Paula Cojocaru**, Gabriela Biali, *Toxicity of copper on the Sinapis alba and Triticum aestivum plants*, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, Vol.XI, pp. 69-75, ISSN 2285-6064, 2022. WOS:000931961700008  
<https://landreclamationjournal.usamv.ro/pdf/2022/Art8.pdf>
5. Gabriela Biali, **Paula Cojocaru**, *GIS hydrological modeling in an agricultural river basin with high potential for water erosion*, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, Vol.XI, pp. 406-413, ISSN 2285-6064, 2022. WOS:000931961700050  
<https://landreclamationjournal.usamv.ro/pdf/2022/Art52.pdf>
6. **Paula Cojocaru**, Florian Stătescu, Gabriela Biali, *Contributions on the centralized collection of manure*, Environmental Engineering and Management Journal EEMJ, vol. 20, No.3, "Gh. Asachi" Technical University of Iasi, pp. 371-375, ISSN: 1582-9596, 2021  
[http://www.eemj.icpm.tuiasi.ro/pdfs/vol20/no3/Full/5\\_288\\_Cojocaru\\_20.pdf](http://www.eemj.icpm.tuiasi.ro/pdfs/vol20/no3/Full/5_288_Cojocaru_20.pdf)
7. Gabriela Biali, **Paula Cojocaru**, Petra Schneider, *GIS – Based water erosion modelling: the case of high slope water catchment area, Romania*, Environmental Engineering and Management Journal EEMJ, vol. 20, No.4, "Gh. Asachi" Technical University of Iasi, pp. 613-624, ISSN: 1582-9596, 2021  
[http://www.eemj.icpm.tuiasi.ro/pdfs/vol20/no4/Full/13\\_301\\_Biali\\_20.pdf](http://www.eemj.icpm.tuiasi.ro/pdfs/vol20/no4/Full/13_301_Biali_20.pdf)
8. Gabriela Biali, **Paula Cojocaru**, *The influence of GIS technology in reclamation solutions for sloping land affected by erosion*, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, Vol.X, pp. 293-300, ISSN 2285-6064, 2021. WOS:000704605600040  
<https://landreclamationjournal.usamv.ro/pdf/2021/Art40.pdf>
9. **Paula Cojocaru**, Gabriela Biali, *Effects of soil pollution with heavy metals on plant seeds of Brassica Napus, Pisum sativum and Secale Cereale*, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, Vol. IX, pp. 59-64, ISSN 2285-6064, 2020. WOS:000574608100008  
<https://landreclamationjournal.usamv.ro/pdf/2020/Art8.pdf>
10. Gabriela Biali, **Paula Cojocaru**, *Comparison of simulation models of water erosion using GIS*, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, Vol. IX, pp. 161-168, ISSN 2285-6064, 2020. <https://landreclamationjournal.usamv.ro/pdf/2020/Art24.pdf>
11. **Paula Cojocaru**, Florian Stătescu, Gabriela Biali, *Quantification of effects produced by the extraction of mineral aggregates towards water bodies*, Environmental Engineering and Management Journal, vol. 16, no.4, pp. 897-903, ISSN: 1843-3707, 2017.  
[http://www.eemj.icpm.tuiasi.ro/pdfs/vol16/no4/14\\_663\\_Cojocaru\\_16.pdf](http://www.eemj.icpm.tuiasi.ro/pdfs/vol16/no4/14_663_Cojocaru_16.pdf)

12. Florian Stătescu, Dorin Cotiușcă Zauca, Gabriela Biali, **Paula Cojocaru**, Vasile Lucian Pavel, *Influence of soil matrix on soil-water retention curve and hydraulic characteristics*, Environmental Engineering and Management Journal, vol. 16, no. 4, pp. 869-877, ISSN: 1843-3707, 2017.  
[http://www.eemj.icpm.tuiasi.ro/pdfs/vol16/no4/11\\_653\\_Statescu\\_16.pdf](http://www.eemj.icpm.tuiasi.ro/pdfs/vol16/no4/11_653_Statescu_16.pdf)
13. Gabriela Biali, **Paula Cojocaru**, *Importance of topology in a GIS project of monitoring the soils in agricultural land*, Land Reclamation, Earth Observation & Surveying, Environmental Engineering, Series E, vol.VI, pag. 147 – 154, Print ISSN 2285-6064, 2017. WOS:000413693400026  
<https://landreclamationjournal.usamv.ro/index.php/scientific-papers/current?id=335>
14. **Paula Cojocaru**, Zygmunt Mariusz Gusiatin, Igor Cretescu, *Phytoextraction of Cd and Zn as single or mixed pollutants from soil by rape (Brassica napus)*, Environmental Science and Pollution Research, vol. 23, no. 11, pp. 10693-10701, ISSN: 0944-1344, 2016. DOI: 10.1007/s11356-016-6176-5  
<https://link.springer.com/article/10.1007/s11356-016-6176-5>
15. **Paula Cojocaru**, Cotiușcă Zăuca D., Biali Gabriela, *Decontamination of soils polluted with mineral oils by bioremediation*, Environmental Engineering and Management Journal, vol. 15, no. 6, “Gh. Asachi” Technical University of Iasi, pp.1419-1425, ISSN: 1582-9596, 2016. DOI:10.30638/eemj.2016.152  
[http://www.eemj.icpm.tuiasi.ro/pdfs/vol15/no6/24\\_912\\_Cojocaru\\_14.pdf](http://www.eemj.icpm.tuiasi.ro/pdfs/vol15/no6/24_912_Cojocaru_14.pdf)
16. Gabriela Biali, **Paula Cojocaru**, *Database search in a GIS application intended for mapping the use categories and anti-erosion systems in Antohesti water catchment area*, Bacau county, Land Reclamation, Earth Observation & Surveying, Environmental Engineering, Series E, vol.V, pag. 115 – 122, Print ISSN 2285-6064, 2016. WOS:000413693100019  
<https://landreclamationjournal.usamv.ro/pdf/2016/Art19.pdf>
17. **Paula Cojocaru**, Gabriela Biali, *Assessment of the drinking water demand for water supply of the villages located in the area of Barlad hydrografic basin*, Land Reclamation, Earth Observation & Surveying, Environmental Engineering, Series E, vol.V, pag. 67 – 72, Print ISSN 2285-6064, 2016. WOS:000413693100011  
<https://landreclamationjournal.usamv.ro/pdf/2016/Art11.pdf>
18. Gabriela Biali, **Paula Cojocaru**, *Database role in a GIS project for agricultural management on soils subject to erosion*, Land Reclamation, Earth Observation & Surveying, Environmental Engineering, Series E, vol.IV, pag. 154 – 157, Print ISSN 2285-6064, 2015. WOS:000416377000025  
<https://landreclamationjournal.usamv.ro/pdf/2015/vol.IV/Art25.pdf>
19. Florian Statescu, Dorin Cotiușcă Zaucă, Vasile Lucian Pavel, **Paula Cojocaru**, Maria Pastia, *Modern techniques for investigation of some of the soil physical properties*, Land Reclamation, Earth Observation & Surveying, Environmental Engineering, Series E, vol.IV, pag. 41 – 54, Print ISSN 2285-6064, 2015. WOS:000416377000008  
<https://landreclamationjournal.usamv.ro/pdf/2015/vol.IV/Art8.pdf>
20. **Paula Cojocaru**, Florian Statescu, Gabriela Biali, *Drip irrigation system for Hippophae Rhamnoides on a slope terrain from Central Moldavian Plateau*, Land Reclamation, Earth Observation & Surveying, Environmental Engineering, Series E, vol.IV, pag. 29 – 34, Print ISSN 2285-6064, 2015. WOS:000416377000006  
<https://landreclamationjournal.usamv.ro/pdf/2015/vol.IV/Art6.pdf>
21. Ioan Cojocaru, **Paula Cojocaru**, Dragoș Cojocaru, *Calculation of distance between drains in multilayer (inhomogeneous) ground in permanent flow regime*, Environmental Engineering and Management Journal, vol. 12, no. 4, “Gh. Asachi”

Technical University of Iasi, pp.665-669, ISSN: 1582-9596, 2013. DOI:10.30638/eemj.2013.081

[http://www.eemj.icpm.tuiasi.ro/pdfs/vol12/no4/8\\_951\\_Cojocar\\_u\\_12.pdf](http://www.eemj.icpm.tuiasi.ro/pdfs/vol12/no4/8_951_Cojocar_u_12.pdf)

22. **Paula Caraiman (Cojocar\_u)**, Corneliu Pohontu, Gabriela Soreanu, Matei Macoveanu, Igor Cretescu, *Optimization process of cadmium and zinc removal from soil by phytoremediation using Brassica napus and Triticale sp.*, Environmental Engineering and Management Journal, vol. 11, no.2, "Gh. Asachi" Technical University of Iasi, pp. 271-278, ISSN: 1582-9596, 2012. WOS:000303276000006

[http://www.eemj.icpm.tuiasi.ro/pdfs/vol11/no2/5\\_710\\_Caraiman\\_11.pdf](http://www.eemj.icpm.tuiasi.ro/pdfs/vol11/no2/5_710_Caraiman_11.pdf)

23. **Paula Caraiman Cojocar\_u**, Matei Macoveanu, *Decontamination of polluted soil with Cadmium and Zinc using greenhouse phytoremediation*, Environmental Engineering and Management Journal, vol. 10, no. 3, "Gh. Asachi" Technical University of Iasi, pp.349-355, ISSN: 1582-9596, 2011. DOI:10.30638/eemj.2011.051

<https://www.eemj.eu/index.php/EEMJ/article/view/760>

#### **- Articole publicate în volume indexate ISI Proceedings**

24. **Paula Cojocar\_u**, Florian Statescu, Gabriela Biali, *Toxicity of soil pollution with petroleum on plant seeds*, The 19th International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, 30 June – 6 July, Conference Proceedings, pag.575-582, vol. 19, Water Resources. Forest. Marine and Ocean Ecosystems, issue 3.2, ISBN 978-619-7408-82-9, 2019. DOI: 10.5593/sgem2019/3.2/S13.075

<https://www.proquest.com/openview/b22a744ccd6dcfd5df5a0b7e178739ce/1?pq-origsite=gscholar&cbl=1536338>

25. Gabriela Biali, **Paula Cojocar\_u**, Petra Schneider, *Research concerning the improvement of the characteristics of soils affected by landslide*, The 19th International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, 30 June – 6 July, Conference Proceedings, pag.341-348, vol. 19, Water Resources. Forest. Marine and Ocean Ecosystems, issue 3.2, ISBN 978-619-7408-82-9, 2019. DOI: 10.5593/sgem2019/3.2/S13.045

<https://www.sgem.org/index.php/elibrary-research-areas?view=publication&task=show&id=5738>

26. Gabriela Biali, **Paula Cojocar\_u**, *Use of GIS technique for hydrological modeling of sheet erosion*, The 18th International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, 2 July – 8 July, Conference Proceedings, pag.705-712, vol. 18, Informatics, Geoinformatics and Remote Sensing, issue 2.3, ISBN 978-619-7408-41-6, 2018.

27. **Paula Cojocar\_u**, Gabriela Biali, *Dimensional calculations for the sanitary protection zones of a water catchment*, The 17th International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, 29 June – 5 July, Conference Proceedings, pag.199-207, ISBN 978-619-7408-04-1, 2017. DOI: 10.5593/sgem2017/31/S12.025

<https://www.sgem.org/index.php/elibrary-research-areas?view=publication&task=show&id=3304>

28. Gabriela Biali, **Paula Cojocar\_u**, *Monitoring the evolution of gullies in a water catchment by GIS techniques*, The 17th International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, 29 June – 5 July, Conference Proceedings, pag.611-618, ISBN 978-619-7408-03-4, 2017. DOI: 10.5593/sgem2017/2.3/S11.07

<https://www.sgem.org/index.php/elibrary-research-areas?view=publication&task=show&id=3246>

29. **Paula Cojocaru**, Gabriela Biali, *Method of calculation of the drip irrigation water requirement of an orchards in the Moldavian Central Plateau*, The 16<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, 30 June – 6 July, Conference Proceedings, pag.211-218, ISBN 978-619-7105-62-9, 2016. DOI: 10.5593/sgem2016/B32/S13.028  
<https://www.proquest.com/docview/2014894888?pq-origsite=gscholar&fromopenview=true&sourcetype=Conference%20Papers%20&%20Proceedings>
30. Gabriela Biali, **Paula Cojocaru**, *Use of GIS technique to design landslide risk assessment maps for agricultural land*, The 16<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, 30 June – 6 July, Conference Proceedings, pag.579-590, ISBN 978-619-7105-60-5, 2016 DOI: 10.5593/sgem2016/B23/S11.074  
<https://www.proquest.com/docview/2014473057?pq-origsite=primo&sourcetype=Conference%20Papers%20&%20Proceedings>
31. Gabriela Biali, **Paula Cojocaru**, *GIS Applied in assessing water erosion*, The 15<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, June 18 – 24, Conference Proceedings, pag.871-882, ISBN 978-619-7105-35-3, 2015. DOI: 10.5593/sgem2015/B22/S11.110  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-84946411348&partnerID=MN8TOARS>
32. Gabriela Biali, Petra Schneider, **Paula Cojocaru**, *Use of GIS in surface water monitoring for targeted policy intervention in a mountainous catchment in Romania*, The 15<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, June 18 – 24, Conference Proceedings, pag.1191-1198, ISBN 978-619-7105-35-3, 2015. DOI: 10.5593/sgem2015/B22/S11.148  
<https://www.elibrary.ru/item.asp?id=43020314>
33. **Paula Cojocaru**, Florian Stănescu, *Calculus method of the flushing out dynamics through flooding of the industrial polluted soils*, The 14<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, June 17 – 26, Conference Proceedings, pag.113-120, ISBN 978-619-7105-17-9, 2014. DOI: 10.5593/sgem2014/B51/S20.016  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-84946708036&partnerID=MN8TOARS>
34. **Paula Cojocaru**, Florian Stănescu, *Ecological rehabilitation of a terrain occupied by a waste deposit from manufacturing of the sugar*, The 14<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, June 17 – 26, Conference Proceedings, pag.229-236, ISBN 978-619-7105-17-9, 2014. DOI: 10.5593/sgem2014/B51/S20.032  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-84946733370&partnerID=MN8TOARS>
35. **Paula Cojocaru**, *Phytotoxicity of cadmium and zinc on Brassica napus, sinapsis alba and spinacia oleracea using two soil types*, The 13<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, June 16 – 22, Conference Proceedings, pag.619-626, ISBN 978-619-7105-02-5, 2013. DOI: 10.5593/sgem2013/BC3/S13.019  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-84892590242&partnerID=MN8TOARS>
36. Iuliana Breaban, Madalina Paiu, **Paula Cojocaru**, Igor Crețescu, *Studies upon the groundwater quality index of the aquifer from Barlad middle basin*, The 13<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, June 16 –



22, Conference Proceedings, pag.317-324, ISBN 978-619-7105-02-5, 2013. DOI: 10.5593/sgem2013/BC3/S12.040

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#### - Articole indexate în baze de date internaționale

37. Alina Agafiței, Vasile Lucian Pavel, **Paula Cojocaru**, *Impact of sugar beet manufacturing activity within SC AGRANA ROMÂNIA SA-Roman, Neamț County on the environment*, Buletinul Institutului Politehnic din Iași, secția Chimie și Inginerie Chimică, vol.67(71), no.3, pag.21-27, ISSN:2537-2947, 2021.

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38. Gabriela Biali, **Paula Cojocaru**, Valentin Boboc, *Agricultural land management and results of land reform in Romania*, Lucrări Științifice, Seria Agronomie, vol. 59, nr.2, pag. 17 – 22, Print ISSN 1454-7414, 2016.

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39. Esmeralda Chiorescu, **Paula Cojocaru**, *Hydrological and hydraulic research for Re-equipping and irrigated plot with pressurized pipelines*, Lucrări Științifice, Seria Agronomie, vol. 58, nr.2, pag. 55 – 60, ISSN-L 1454-7414, 2015.

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40. Gabriela Biali, **Paula Cojocaru**, Astrid Roberta Martinaș, *Studies on expansion of degradation processes in agricultural land plots in Iași, Bacău and Vaslui counties*, Lucrări Științifice, Seria Agronomie, vol. 58, nr.2, pag. 99 – 103, ISSN-L 1454-7414, 2015.

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41. **Paula Cojocaru**, Gabriela Biali, *Chemical statement of water from deep boreholes from the hydrographic basin Bârlad*, Lucrări Științifice, Seria Horticultură, vol. 58, nr.2, pag. 273 – 278, ISSN-L 1454-7376, 2015.

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42. Dorin Cotiușcă Zaucă, Raluca-Catrinel Giurma-Handley, Amedeo Mitroi, **Paula Cojocaru**, *Verifying the operational safety of some earth dams using own coded computer programs*, Buletinul Institutului Politehnic din Iași, secția Construcții. Arhitectură, LX(LXIV), fascicol 4, pag. 39-47, ISSN: 1224-3884, 2014.

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43. **Paula Cojocaru**, Florian Stătescu, *Studies upon the quality status of a terrain occupied by a sugar manufacturing waste deposit*, Revista Lucrări Științifice, vol.57, nr.1, pag.289-294, ISSN 1454-7376, 2014.

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44. Dragos Cojocaru, Mihai Branzila, **Paula Cojocaru**, *Contributions to hydrogeological protection perimeter size calculation under severe and restraining regime*, Buletinul Institutului Politehnic din Iași, secția Construcții. Arhitectură, LX(LXIV), fascicol 4, pag. 39-47, ISSN: 1224-3884, 2014.

<https://www.bipcons.ce.tuiasi.ro/Archive/379.pdf>

45. **Paula Caraiman (Cojocaru)**, Andrzej Bialowiec, Matei Macoveanu, *Studies upon the seeds germination and roots elongation under conditions of soil pollution with heavy metals*, Buletinul Institutului Politehnic din Iași, secțiunea Chimie și inginerie chimică, LVII(LXI), fascicol 2, pag. 51-58, ISSN: 0254-7104, 2011.

[http://www.bipic.icpm.tuiasi.ro/2010-2015.html#2011\\_2](http://www.bipic.icpm.tuiasi.ro/2010-2015.html#2011_2)

## **G. Lucrări științifice publicate în reviste din străinătate.**

## **H. Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS.**

1. **Paula Cojocaru**, *Phytotoxkit a Method to Determining Lead Toxicity on Plant Seed of Rye*, Bulletin of the Polytechnic Institute of Iasi, Section Hydrotechnics, Vol. 65 (69), nr. 3-4, pag. 69-75, ISSN 1224-3892, 2019.
2. **Paula Cojocaru**, Ioan Cojocaru, *Research on the influence of climate and of the Danube hydrological regime levels on the groundwater in an area from Big Island to Brăila*, Bulletin of the Polytechnic Institute of Iasi, Section Hydrotechnics, Tomul LXI (LXV), Fasc. 1-2, pag. 55-60, ISSN 1224-3892, 2015.
3. **Paula Cojocaru**, Florian Statescu, *Studies upon the quality status of a terrain occupied by a sugar manufacturing waste deposit*, International Scientific Congress – Life sciences, a challenge for the future, Iași, România, 23 – 25 Octombrie, Revista Lucrari Stiintifice vol.57, nr.1, pag. 289 – 294, ISSN 1454-7376, 2014.
4. Ioan Cojocaru, **Paula Cojocaru**, *Study regarding the functional efficiency of drains situated in Danube's dyke zone*, Buletinul Institutului Politehnic din Iași, secțiunea Hidrotehnică, LI (LV), fascicol 1-4, pag. 103 -112, ISSN: 1224-3892, 2005.

## **I. Lucrări științifice publicate în volumele conferințelor.**

### **- Articol/studiu publicat în volumul unei manifestări științifice indexate in baze de date internaționale (BDI)**

1. **Paula Cojocaru**, Florian Statescu, Gabriela Biali, *Toxicity of soil pollution with petroleum on plant seeds*, The 19th International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, 30 June – 6 July, Conference Proceedings, pag.575-582, vol. 19, Water Resources. Forest. Marine and Ocean Ecosystems, issue 3.2, ISBN 978-619-7408-82-9, 2019.
2. Gabriela Biali, **Paula Cojocaru**, Petra Schneider, *Research concerning the improvement of the characteristics of soils affected by landslide*, The 19th International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, 30 June – 6 July, Conference Proceedings, pag.341-348, vol. 19, Water Resources. Forest. Marine and Ocean Ecosystems, issue 3.2, ISBN 978-619-7408-82-9, 2019.
3. Gabriela Biali, **Paula Cojocaru**, *Use of GIS technique for hydrological modeling of sheet erosion*, The 18th International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, 2 July – 8 July, Conference Proceedings, pag.705-712, vol. 18, Informatics, Geoinformatics and Remote Sensing, issue 2.3, ISBN 978-619-7408-41-6, 2018.
4. **Paula Cojocaru**, Gabriela Biali, *Dimensional calculations for the sanitary protection zones of a water catchment*, The 17th International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, 29 June – 5 July, Conference Proceedings, pag.199-207, ISBN 978-619-7408-04-1, 2017.
5. Gabriela Biali, **Paula Cojocaru**, *Monitoring the evolution of gullies in a water catchment by GIS techniques*, The 17th International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, 29 June – 5 July, Conference Proceedings, pag.611-618, ISBN 978-619-7408-03-4, 2017

6. **Paula Cojocaru**, Gabriela Biali, *Method of calculation of the drip irrigation water requirement of an orchards in the Moldavian Central Plateau*, The 16<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, 30 June – 6 July, Conference Proceedings, pag.211-218, ISBN 978-619-7105-62-9, 2016
7. Gabriela Biali, **Paula Cojocaru**, *Use of GIS technique to design landslide risk assessment maps for agricultural land*, The 16<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, 30 June – 6 July, Conference Proceedings, pag.579-590, ISBN 978-619-7105-60-5, 2016
8. Gabriela Biali, **Paula Cojocaru**, *GIS Applied in assessing water erosion*, The 15<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, June 18 – 24, Conference Proceedings, pag.871-882, ISBN 978-619-7105-35-3, 2015.
9. Gabriela Biali, Petra Schneider, **Paula Cojocaru**, *Use of GIS in surface water monitoring for targeted policy intervention in a mountainous catchment in Romania*, The 15<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, June 18 – 24, Conference Proceedings, pag.1191-1198, ISBN 978-619-7105-35-3, 2015.
10. **Paula Cojocaru**, Florian Statescu, *Calculus method of the flushing out dynamics through flooding of the industrial polluted soils*, The 14<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, June 17 – 26, Conference Proceedings, pag.113-120, ISBN 978-619-7105-17-9, 2014.
11. **Paula Cojocaru**, Florian Statescu, *Ecological rehabilitation of a terrain occupied by a waste deposit from manufacturing of the sugar*, The 14<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, June 17 – 26, Conference Proceedings, pag.229-236, ISBN 978-619-7105-17-9, 2014.
12. **Paula Cojocaru**, *Phytotoxicity of cadmium and zinc on Brassica napus, sinapsis alba and spinacia oleracea using two soil types*, The 13<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, June 16 – 22, Conference Proceedings, pag.619-626, ISBN 978-619-7105-02-5, 2013.
13. Iuliana Breaban, Madalina Paiu, **Paula Cojocaru**, Igor Crețescu, *Studies upon the groundwater quality index of the aquifer from Barlad middle basin*, The 13<sup>th</sup> International Multidisciplinary Scientific Geoconference, Albena, Bulgaria, June 16 – 22, Conference Proceedings, pag.317-324, ISBN 978-619-7105-02-5, 2013.

**- Articol/studiu publicat în volumul unei manifestări științifice neindexate în baze de date**

1. **Paula Cojocaru**, *The influence of the nutrients and the soil pH on Cadmium and Zinc uptake by the Brassica napus*, *Lucrările seminarului geografic internațional „Dimitrie Cantemir”, Iași, România, 18 – 20 Octombrie*, Proceeding nr.36, pag. 65-71, ISSN 1222-989X, 2013.
2. **Paula Caraiman (Cojocaru)**, Matei Macoveanu, Ioan Cojocaru, *Studies towards the determination of the contamination level with heavy metals of a situ located in Iasi*, The 53rd International Scientific Conference Durable Agriculture - present and perspectives, Iași, România, 21 – 23 Octombrie, Conference Proceedings, pag. 77 – 81, ISSN 1454-7414, 2010.

**J. Invenții.**



## K. Contracte de cercetare

Participare la următoarele proiecte:

1. Proiect ROSE AG 260/25.11.2019, Proiectează-ti viitorul la Hidrotehnică, Geodezie și Ingineria Mediului - BE SMART, Proiectul privind Învățământul Secundar (ROSE), funcția: expert tutorat, contract nr.21724/30.09.2021.
2. Proiect POCU/626/6/13/130661 Stagii de PRACTICĂ performante pentru studenții Universității Tehnice Gheorghe Asachi Iași – PRACTIC, funcția Expert grup țintă și angajabilitate, contract 22371/09.03.2022.
3. Acord de grant nr. AG 325/SGU/PV/III din data de 18.06.2020, Școala de vară – Alege să fii inginer la HIDRO! – InginerIS, funcția: expert activități didactice, contract nr.21429/02.07.2021.

## L. Premii, distincții.

1. Premiul de excelență 2018, medalia Gh. Asachi la categoria cercetătorul cu cele mai bune performanțe în cercetarea științifică – Manifestarea: Premii de excelență în cercetarea științifică din Universitatea Tehnică "Gheorghe Asachi" din Iași (TUIasi) / noiembrie 2018.
2. Premiere articol: *Phytoextraction of Cd and Zn as single or mixed pollutants from soil by rape (Brassica napus)*, **Paula Cojocaru**, Zygmunt Mariusz Gusiatin, Igor Cretescu, Environmental Science and Pollution Research, vol. 23, no.11, pag. 10693-10701, ISSN: 0944-1344, June 2016, Manifestarea: P1 – Dezvoltarea sistemului național de cercetare –dezvoltare, Subprogram 1.1 - Resurse umane - Premierele rezultatelor cercetării - Articole - Competiția 2016/decembrie 2016.

## M. Alte realizări semnificative.

- membru al Consiliului Departamentului de Hidroameliorații și Protecția Mediului din anul 2021.
- membru în subcomisia de Evaluarea și Asigurarea Calității din cadrul facultății (CEAC), din anul 2020.
- membru în comisia de licență la specializarea IPMA și comisia de disertație specializarea IMFM din anul 2024.
- membru AGIR (Asociația Generală a inginerilor din România) din anul 2018, legitimație nr. 63061.

### **Specializări în domeniul disciplinelor susținute și alte specializări:**

- Curs "EMpowering Educators through EMI (English as Medium of Instruction)", perioada: 03.09.-27.09.2024 – obținere Certificat de competențe lingvistice
- Curs specializare "Calitate, etică și integritate academică" în cadrul proiectului: „Rețea de laboratoare metodice pentru testarea și aplicarea mecanismelor de succes de predare și evaluare, identificate sau dobândite în procesul de perfecționare continuă a personalului didactic- REMET-LAB", perioada: 03 noiembrie - 28 noiembrie 2020.
- Curs specializare Competențe cheie comune mai multor ocupații. Comunicare în limba engleză, în perioada 18 octombrie 2019 – 9 noiembrie 2019.
- Curs perfecționare perioada octombrie – decembrie 2017 cu titlul: „Perfecționarea personalului didactic din universitate prin aprofundarea metodelor postmoderne de predare – învățare – evaluare”

- - Participarea la un stagiul de cercetare in perioada 01.03.2011-01.06.2011 la Universitatea Warmia and Mazury, Facultatea de Protectia mediului si pescuit din Olsztyn, Polonia.

Data,  
01.06.2025

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