



Anexa 4. Manifestări științifice conducători de doctorat - ingineria mediului

1. Burcea A.N., Șipu D., Covaliu-Mierlă C.I., Stone paper as a sustainable alternative: applications. Challenges and opportunities, ISB-INMA TEH' 2025 International Symposium, Bucuresti, Romania, 9-11 October 2025
2. Covaliu-Mierlă C.I., M. Râpă, S. Ionescu, Adsorption efficiency of copper from wastewater by use some alternative adsorbent materials, ISB-INMA TEH' 2025 International Symposium, 9-11 October 2025, Bucuresti, Romania
3. Covaliu-Mierlă C.I., Oxide nanomaterials: synthesis, mechanistic studies and technological innovation in wastewater treatment by flotation, International Symposium 'Environment and Industry' (SIMI 2025), Bucuresti, Romania, 23-24 October 2025.
4. Covaliu-Mierlă C.I., Toma L., Ionescu S., Moga I.G., Paraschiv G. , Biriș S.S., Pilot Plant for wastewater treatment by flotation, OLTENIATECHFEST 2025, 5-8 November 2025, Bucuresti, Romania, Medalie de Aur.
5. Antonie I.S., Covaliu-Mierlă C.I., Paraschiv G., Inovatie verde: compostarea casnică ca motor al sustenabilității comunitare, salonul inovării si cercetării ugal invent, 23 - 24 Octombrie 2025, Galati, Romania.
6. Antonie I.S., Covaliu-Mierlă C.I., Paraschiv G. , Evaluarea comparativă a compostului produs acasă si a celui industrial: strategii de optimizare a nutrientilor pentru agricultura durabilă, Salonul Inovării si Cercetării UGAL INVENT, 23 - 24 Octombrie 2025, Galati, Romania.
7. Becheru A., Covaliu-Mierlă C.I., Paraschiv G., Evaluating the Phytoremediation Efficiency of Iris pseudacorus for Lead Removal from Contaminated Water, OLTENIATECHFEST 2025, 5-8 November 2025, Targu Jiu, Romania.
8. Ionescu S., Râpă M., Ghimiși L., Covaliu-Mierlă C.I., Research of different types of industrial waste applied for cobalt and cadmium ions removal from wastewater, 5-8 November 2025, Targu Jiu, Romania, Medalie de Aur.
9. Covaliu-Mierlă C.I., Proprietate intelectuală și transfer tehnologic–piloni ai valorii adăugate în cercetare și inovare, OLTENIATECHFEST 2025, 5-8 November 2025 Targu Jiu.

- 10.** Covaliu-Mierlă C.I., Ionescu S., Tudose I., Moga C.I., Paraschiv G., Biriş S.S. Pilot flotation installation using hybrid ecofriendly nanomaterials for wastewater treatment, Kaohsiung International Invention and Design Expo (KIDE), Taiwan, 2-7 December 2025.
- 11.** Covaliu-Mierlă C.I., Ionescu S., Paraschiv G., Biriş S.S., Tudose I., Nanotechnology applications in wastewater treatment-novelty of using nanomaterials in flotation, Kaohsiung International Invention and Design Expo (KIDE), Taiwan, 2-7 December 2025.
- 12.** Popescu S.I., Niculescu V.C., Şandru C., Covaliu-Mierlă C.I., Paraschiv G., Sustainable nutrient optimization through home-generated compost: Comparative evidence for enhanced agroecosystem performance, EURO POLITEHNICUS 2025, 21-23 November 2025, Medalie de Aur
- 13.** Covaliu-Mierlă C.I., Paraschiv G., Smart materials for wastewater treatment technologies, euroinvent icir 2025 - International Conference on Innovative Research, 8-9 May 2025, Iasi.
- 14.** Diaconu L., Stoian C. Ionescu S., Covaliu-Mierla C.I., Paraschiv G., Technology using algae for removal of manganese and copper ions from wastewater, 17th European Exhibiton of Creativity and Innovaton Iasi, Romania, 8-10 May 2025.
- 15.** Covaliu-Mierlă C.I., Becheru A., Paraschiv G., Harnessing the potential of sunflower (*Helianthus annuus*) Seeds: A Novel approach for phytoremediation of waters polluted with copper, 17th European Exhibiton of Creativity and Innovaton Iasi, Romania, 8-10 May 2025.
- 16.** Covaliu-Mierlă C.I., Becheru A., Biriş S.S., Paraschiv G. ,Technology for treatment of wastewater containing lead ions using *Iris pseudacorus* plant, 17th European Exhibiton of Creativity and Innovaton Iasi, Romania, 8-10 May 2025.
- 17.** Covaliu-Mierlă C.I., MogaI.C., Paraschiv G., Biriş S.S., Ionescu S. ,Bucuresti, EURO POLITEHNICUS 2025, 21-23 November 2025, Medalie de Aur.
- 18.** Covaliu-Mierlă C.I., Ionescu S.,The transformation of slag from steelmaking processes into adsorbent materials used in wastewater treatment, 14-15 noiembrie 2024, Bucuresti, Romania.
- 19.** Covaliu-Mierlă C.I., Ionescu S., The use of slag and agricultural wastes as alternative materials in wastewater treatment processes / utilizarea zgurii și a deșeurilor agricole ca materiale alternative în procese, ISBINMATEH 2024, 31 octombrie- 1 noiembrie 2024, Bucuresti, Romania".

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- 26.**Covaliu-Mierlă C.I., Diaconu L, Paraschiv G., System for treatment of wastewater containing heavy metals using Typha augustifolia plant, Euroinvent 2024, Iasi.
- 27.**Covaliu-Mierlă C.I.-Climate changes from pollution to solutions, One Health International Student Conference, 4-6 December 2024, București.
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