

**PUBLICAȚII**

2025
[Gadolinium doped ZnS particles as electrode material for supercapacitor application](#)

Autori: I. Nesterovschi, A.U. Ammar, A. Bunge, A. Popa, M. Stefan, S. Macavei, **I.-V. Ganea**, M. Senila, E. Erdem, A.M. Rostas, D. Toloman

Journal of Industrial and Engineering Chemistry, In press.

2025
[Impact of nickel substitution on supercapacitor and photocatalytic performances of cobalt-ferrites nanoparticles](#)

Autori: D. Toloman, M. Stefan, C. Himcinschi, **I.-V. Ganea**, Lu. Barbu, A. Rostas, A. Gungor, E. Erdem, A. Popa

Ceramics International, 52(13), pp. 17728-17743.

2025
[Impact of Long-Term Mercury Contamination on the Rhizosphere Microbiota of Lotus tenuis: A Pathway to Resilience via Interkingdom Facilitation](#)

Autori: E.D. Tiodar, C.L. Văcar, M.C. Grimm, **I.-V. Ganea**, Z.R. Balázs, A.M. Abrudan, C. Timár, I. Tanțău, M. Banciu, R. Angel, D. Podar

bioRxiv.04.07.647525. Preprint.

2025
[Modification in the Composition of Lactuca sativa L. Plants Exposed to Abiotic Stress Induced by Commonly Used Antibiotics](#)

Autori: I. Lung, M.-L. Soran, A.N. Sârb, A. Stegarescu, A.C. Moț, **I.-V. Ganea**, D.-M. Gligor, O. Opreș

Plants, 14(6), pp. 842.

2024
[Synthetic Aggregates and Bituminous Materials Based on Industrial Waste](#)

Autori: A. Nan, C. Dima, M. Ghita, **I.-V. Ganea**, T. Radu, A. Bunge

Materials, 17(23), 6002.

2024
[Turning waste into value: Developing new adsorbent from construction and banana residues for dyes removal from aqueous solutions](#)

Autori: **I.-V. Ganea**, A. Nan, C. Baciu

EMERGEMAT Proceedings, 30-31 October 2024, Bucharest, Romania, pp.132.

2024
[Eco-Innovative Magnetic Nanostructures: Pioneering Solutions for Mining Wastewater Challenges](#)

I.-V. Ganea, A. Nan, C. Baciu

2024

Manganese-doped Zinc Oxide recycled from spent alkaline batteries for photocatalysis and supercapacitor applications

Autori: M. Stefan, B. Kocabas, A. Güngör, D. Toloman, A. M. Rostas, R. C. Suci, S. Macavei, **I.-V. Ganea**, I. Perhaita, S. Tripon, C. Leostean, E. Erdem, A. Popa

Journal of Energy Storage, 99 (B), 113419

2024

Mechanical behaviour of industrial waste modified bituminous mastic

Autori: T. Radu, A. Nan, **I.-V. Ganea**, A. Bunge, C. Dima, M. Ghita

Romanian Journal of Materials/Revista Romana de Materiale, 54(2), pp. 125-130

2023

Combining Contamination Indices and Multivariate Statistical Analysis for Metal Pollution Evaluation during the Last Century in Lacustrine Sediments of Lacu Sărat Lake, Romania

Autori: **I.-V. Ganea**, R. Bal, R.-C. Begy, I. Tantau, D. M. Gligor

International Journal of Environmental Research and Public Health – IJERPH, 2023, 20(2), 1342

2022

Development of a New Eco-Friendly Copolymer Based on Chitosan for Enhanced Removal of Pb and Cd from Water

Autori: **I.-V. Ganea**, A. Nan, C. Roba, I. Neamtiu, E. Gurzau, R. Turcu, X. Filip, C. Baci

Polymers, 2022, 14(18), 3735

2022

Characterization of a Neoteric Clay-Based Composite for the Removal of Heavy Metals from Mining Water

Autori: **I.-V. Ganea**, A. Nan, C. Roba, C. Baci

Analytical Letters, 2022, 56, 257-271

2022

Responsiveness assessment of cell cultures exposed to poly(tartaric acid) and its corresponding magnetic nanostructures

Autori: **I.-V. Ganea**, A. Nan, A. Ciorita, R. Turcu, C. Baci

Journal of Molecular Structure 2021, 1248, 131459

2021

Aminopropylimidazole as an Advantageous Coating in the Synthesis of Functionalized Magnetite Nanoparticles

Autori: A. Nan, **I.-V. Ganea**, S. Macavei, R. Turcu

Nanomaterials 2021, 11(12), 3276

2021

Neoteric material based on renewable resources for metal contaminated waters

Autori: **I.-V. Ganea**, A. Nan, I. Neamtii, C. Baci

Environmental Sciences Proceedings 9(1) (2021), 3

2021

Wasted Biomaterials from Crustaceans as a Compliant Natural Product Regarding Microbiological, Antibacterial Properties and Heavy Metal Content for Reuse in Blue Bioeconomy: A Preliminary Study

Autori: F. Nekvapil, **I.-V. Ganea**, A. Ciorita, R. Hirian, L. Ogresta, B. Glamuzina, C. Roba, S. Cinta Pinzaru

Materials 2021, 14(16), 4558

2021

A New Biofertilizer Formulation with Enriched Nutrients Content from Wasted Algal Biomass Extracts Incorporated in Biogenic Powders

Autori: F. Nekvapil, **I.-V. Ganea**, A. Ciorita, R. Hirian, S. Tomsic, I. M. Martonos, S. Cinta Pinzaru

Sustainability 2021, 13(16), 8777

2021

Effective Removal of Crystal Violet Dye Using Neoteric Magnetic Nanostructures Based on Functionalized Poly(Benzofuran-co-Arylacetic Acid): Investigation of the Adsorption Behaviour and Reusability

Autori: **I.-V. Ganea**, A. Nan, C. Baci, R. Turcu

Nanomaterials 11(3) (2021), 679

2021

Study of metal ion removal from aqueous systems using magnetic nanostructures based on functionalized poly(benzofuran-co-arylacetic acid)

Autori: **I.-V. Ganea**, A. Nan, R. Turcu, C. Roba, I. Neamtii, C. Baci

Analytical Letters, 54(1-2), pp. 184-203

2019

Physico chemical properties of a New Magnetic Nanostructure Based on Poly(benzofurane co arylacetic acid)

Autori: A. Nan, **I.-V. Ganea**, R. Turcu

Analytical Letters, 52(1), pp. 27-36

2019

Application of new synthesized materials in the water decontamination from Rosia Montana mining area (Romania)

Autori: **I.-V. Ganea**, A. Nan, I. Neamtii, C. Roba, R. Turcu, C. Baci

SIMI Proceedings, 26-27 September 2019, Bucharest, Romania, pp. 61-62

2018

New promising hybrid material based on montmorillonite for metal ions removal from contaminated water

Autori: **I.-V. Ganea**, A. Nan, C. Roba, R. Turcu

SIMI Proceedings, 20-21 September 2018, Bucharest, Romania, pp. 34-35

Autori: **I.-V. Ganea**, C. Roba, D. Gligor, A. Farkas, R. Bălc, M. Moldovan

Carpathian Journal of Earth and Environmental Sciences, 12 (2), pp. 377-387

● **REȚELE ȘI AFILIERI**

07/2022 – ÎN CURS Cluj-Napoca (Romania)

Membru in Consiliul Administrativ al Asociației "Advanced Technologies for Life and Agrosiences"

Asociația (fondată printr-un memorandum de colaborare cu Louisiana State University - USA) are ca scop implementarea și promovarea utilizării durabile a nanotehnologiilor inovative pentru bunăstarea comunităților.

11/2019 Cluj-Napoca (Romania) - Baton Rouge (LA, USA)

Facilitator - Colaborare între Universitatea Babeș-Bolyai (Cluj-Napoca, Romania) - Louisiana State University (Baton Rouge, USA) - The Louisiana State University Agricultural Center (Baton Rouge, USA)

11/2019

Facilitator - Memorandum de Înțelegere (MoU)

Memorandumul de Înțelegere (MoU) a fost stabilit între Louisiana State University (Baton Rouge, USA) - The Louisiana State University Agricultural Center (Baton Rouge, USA) - Universitatea de Medicină și Farmacie "Iuliu Hațieganu" (Cluj-Napoca, Romania) - Universitatea de Științe Agricole și Medicină Veterinară (Cluj-Napoca, Romania) - Universitatea Babeș-Bolyai (Cluj-Napoca, Romania) - Centrul de Mediu și Sănătate (Cluj-Napoca, Romania) - Institutul Național de Cercetare-Dezvoltare pentru Tehnologii Izotopice și Moleculare (Cluj-Napoca, Romania). MoU a fost creat după stagiul de cercetare efectuat de I.-V. Ganea la Louisiana State University (USA) în 2019.

● **CONFERINȚE ȘI SEMINARE**

11/2025 Cluj-Napoca (Romania)

Participare la Simpozionul „Environment and Progress”

Prezentare orală: "Evaluating the Metal Adsorption Performance of a Composite Derived from Banana Peel and Stone Dust" (P.-S. Mureșeanu, **I.-V. Ganea**, R. Bălc, A. Nan).

09/2025 Cluj-Napoca (Romania)

Participare la The 15th International Conference on Processes in Isotopes and Molecules (PIM 2025)

Poster: "Green chemistry in action: removing dyes using waste-based materials" (**I.-V. Ganea**, A. Nan, M. Dan, A. Bunge).

09/2025 Cluj-Napoca (Romania)

Participare la The 15th International Conference on Processes in Isotopes and Molecules (PIM 2025)

Poster: "Sustainable waste-based materials for mining water treatment" (P.-S. Mureșeanu, **I.-V. Ganea**, R. Bălc, A. Nan).

09/2025 Cluj-Napoca (Romania)

Participare la The XXIVth edition of International Conference "Life Sciences for Sustainable Development" 2025

Poster: "From waste to resource: sustainable materials for mining water treatment" (P.-S. Mureșeanu, **I.-V. Ganea**, R. Bălc, A. Nan).

03/2025 Cluj-Napoca (Romania)

Participare la Seminarul "Bridges and Actions for Land and Sustainable Use and Restoration"

Prezentare orală: "Tailoring novel eco-friendly materials for environmental decontamination" (**I.-V. Ganea**)

10/2024 București (Romania)

Participare la The 7th International Conference on "Emerging Technologies In Materials Engineering" (EmergeMAT)

Prezentare orală: "Turning Waste Into Value: Developing New Adsorbent From Construction And Banana Residues For Dyes Removal From Aqueous Solutions" (I.-V. Ganea, A. Nan, C. Baciuc)

10/2024 Online

Participare la "The 8th International Electronic Conference on Water Sciences"

Prezentare orală: "Eco-Innovative Magnetic Nanostructures: Pioneering Solutions for Mining Wastewater Challenges" (I.-V. Ganea, A. Nan, C. Baciuc)

11/2023 Bucuresti (Romania)

Participare la The International Scientific Conference on "Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat Winter Edition 2023"

Prezentare orală: "Tailoring Novel Eco-Friendly Magnetic Nanostructures for Mining Wastewater Treatment " (I.-V. Ganea, A. Nan, C. Baciuc)

09/2023 Cluj-Napoca (Romania)

Participare la The 14th International Conference on Processes in Isotopes and Molecules (PIM 2023)

Prezentare orală: "Innovative Nanostructured Polymers Based on Renewable Resources for Heavy Metals Removal from Mining Wastewaters" (I.-V. Ganea, A. Nan, C. Roba, C. Sabliov, C. Baciuc)

09/2023 Bucuresti (Romania)

Participare la The XXVth Edition of The International Symposium "Environment and Industry"

Prezentare orală: "Chitosan-Based Copolymer — An Eco-Conscious Approach To Remove Harmful Heavy Metals From Mining Wastewaters" (I.-V. Ganea, A. Nan, R. Turcu, C. Baciuc)

06/2023 Iasi (Romania)

Participare la The XIXth edition of "Present Environment and Sustainable Development International Conference"

Prezentare orală: "Eco-Friendly Chitosan-Based Copolymer For Toxic Heavy Metals Removal From Mining Wastewaters" (I.-V. Ganea, A. Nan, C. Baciuc)

05/2023 Cluj-Napoca (Romania)

Participare la The National Symposium „Environment and Progress” - Sustainable Development: Approaches and Solutions for Resilient Communities

Prezentare orală: "Development of novel environmentally-friendly materials for the effective treatment of dye-contaminated aqueous solutions" (I.-V. Ganea, A. Nan, C. Baciuc)

11/2022 Bucuresti (Romania)

Participare la The International Scientific Conference on "Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat Winter Edition 2022"

Prezentare orală: "Eco-friendly magnetic nanomaterials for dye-contaminated aqueous solutions" (I.-V. Ganea, A. Nan, C. Baciuc)

09/2022 Bucuresti (Romania)

Participare la The XXVth Edition of The International Symposium "Environment and Industry"

Prezentare orală: "Efficient removal of toxic food dyes with an environmental-friendly crosslinked polymer" (I.-V. Ganea, A. Nan, C. Baciuc)

12/2021 Cracovia (Polonia)

Participare la 2nd International Conference Strategies Toward Green Deal Implementation

Prezentare orală: "New crosslinked eco-friendly polymer for environmental applications" (I.-V. Ganea, A. Nan, C. Baciuc)

10/2021 Bucuresti (Romania)

Participare la The International Scientific Conference on "Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021"

Prezentare orală: "Nanomaterials Based on Renewable Resources Applied in Mining Waters Decontamination" (I.-V. Ganea, A. Nan, C. Roba, C. Sabliov, R. Turcu, C. Baciuc)

09/2021 Penang (Malaysia)

Participare la The 7th International Conference on Environment (ICENV2021)

Prezentare orală: "Assessment of Heavy Metals Removal Efficiency of Chitosan Copolymer Applied on Contaminated Waters from Two Mining Areas in Romania" (I.-V. Ganea, C. Roba, R. Turcu, C. Baciuc)

08/2021 Cluj-Napoca (Romania)

Participare la The 13th International Conference on Processes in Isotopes and Molecules (PIM 2021)

Poster: "Neoteric Clay-Based Material for Heavy Metals Removal from Mining Waters" (I.-V. Ganea, A. Nan, C. Roba, C. Baciuc, R. Turcu)

08/2021 Bucuresti (Romania)

Participare la The 24th International Symposium "The Environment and The Industry", SIMI 2021

Poster: "Development of a Novel Crosslinked Polymer for Dyes Adsorption from Contaminated Aqueous Solutions" (I.-V. Ganea, A. Nan, C. Baciuc, R. Turcu)

06/2021 Dublin (Irlanda)

Participare la The 2021 International Conference on Resource Sustainability (icRS 2021)

Prezentare orală: "Novel Hybrid Materials for Iron Removal from Contaminated Waters and Reduced Human Health Impact" (I.-V. Ganea, A. Nan, C. Roba, C. Sabliov, R. Turcu, C. Baciuc)

05/2021 Cluj-Napoca (Romania)

Participare la The Young Researchers' International Conference on Chemistry and Chemical Engineering YRICCCE III

Prezentare orală: "Efficient Dye Removal from Aqueous Solutions by Applying Magnetic Nanostructures Based on Functionalized Poly(Benzofuran-co-Arylacetic Acid)" (I.-V. Ganea, A. Nan, R. Turcu, C. Baciuc)

05/2021 Iasi (Romania)

Participare la The 16th edition of the International Symposium "Present Environment and Sustainable Development"

Prezentare orală: "Innovative Dopamine Functionalized Magnetic Nanomaterial For Heavy Metals Removal From Wastewaters" (I.-V. Ganea, A. Nan, M. Senila, R. Turcu, C. Baciuc)

04/2021 Białystok (Polonia)

Participare la The International Conference „Innovations-Sustainability-Modernity-Openness" ISMO'21

Prezentare orală: "Neoteric material based on renewable resources for metal contaminated waters" (I.-V. Ganea, A. Nan, I. Neamtiu, C. Baciuc)

10/2020 Iasi (Romania)

Participare la The XVth edition of "Present Environment and Sustainable Development International Conference"

Prezentare orală: "New promising magnetic nanomaterial for heavy metals removal from Roşia River (Roşia Montană area, Romania)" (I.-V. Ganea, A. Nan, C. Baciuc)

08/2020 Cluj-Napoca (Romania)

Participare la The XIXth edition of International Conference "Life Sciences for Sustainable Development" 2020

Prezentare orală: "Application of a novel functionalized magnetic nanomaterial for heavy metals adsorption from contaminated waters" (I.-V. Ganea, A. Nan, M. Şenilă, R. Turcu, C. Baciuc)

10/2019 Cluj-Napoca (Romania)

Participare la The XIIth edition of „Environment and Progress" National Symposium

Prezentare orală: "Assessment of new types of hybrid materials for heavy metals removal from contaminated waters and reduced human health impact" (**I.-V. Ganea**, A. Nan, C. Roba, I. Neamtiu, C. Baciuc)

08/2019 Bucuresti (Romania)

Participare la The XXIInd edition of International Symposium "Environment and Industry"

Prezentare orală: "Application of new synthesized materials in the water decontamination from Roșia Montană mining area (Romania)" (**I.-V. Ganea**, A. Nan, I. Neamtiu, C. Roba, C. Baciuc, R. Turcu)

08/2019 Cluj-Napoca (Romania)

Participare la The XIIth edition of International Conference "Processes in Isotopes and Molecules"

Poster: "Materials based on poly(benzofuran-co-arylacetic acid) for the removal of Crystal Violet dye from aqueous solutions" (**I.-V. Ganea**, A. Nan, R. Turcu)

04/2019 Cluj-Napoca (Romania)

Participare la The XIth edition of International Conference "Air and Water Components of the Environment"

Prezentare orală: "Comparative study of new types of materials for improved heavy metals removal from contaminated water and reduced human health impact" (**I.-V. Ganea**, A. Nan, R. Turcu, M. Senila, I. Neamtiu)

09/2018 Calimanesti-Caciulata (Romania)

Participare la The XXXVth edition of The National Conference on Chemistry

Prezentare orală: "*p*-Hydroxymandelic acid as a brick for designing a new type of highly functionalized polymers" (A. Nan, **I.-V. Ganea**, X. Filip, R. Turcu)

08/2018 Bucuresti (Romania)

Participare la The XXIst edition of International Symposium "Environment and Industry"

Prezentare orală: "New promising hybrid material based on montmorillonite for metal ions removal from contaminated water" (**I.-V. Ganea**, A. Nan, C. Roba, R. Turcu)

04/2018 Cluj-Napoca (Romania)

Participare la The XIIth edition of International Conference "Environmental Legislation, Safety Engineering and Disaster Management" ELSEDDIMA

Poster: "New modified chitosan for improved heavy metal adsorption from wastewater" (**I.-V. Ganea**, D. Gligor, A. Nan, R. Turcu)

04/2018 Budapesta (Ungaria)

Participare la The IInd edition of "Young Researchers' International Conference on Chemistry and Chemical Engineering (YRICCE II)"

Poster: "Magnetic nanostructures based on functionalized poly(benzofurane-co-arylacetic acid) for heavy metal adsorption" (**I.-V. Ganea**, A. Nan, M. Dan, S. Porav, R. Turcu)

08/2017 Cluj-Napoca (Romania)

Participare la The XIth edition of International Conference "Processes in Isotopes and Molecules"

Poster: "Materials based on functionalized poly(benzofurane-co-arylacetic acid) for wastewater treatment" (**I.-V. Ganea**, D. Gligor, A. Nan)

Prezentare orală: " α Hydroxy acids as bricks for functionalized polymers engineering" (A. Nan, M. Cîrcu, A. Bunge, A. Petran, **I.-V. Ganea**, X. Filip, R. Turcu)

08/2017 Goslar (Germania)

Participare la The XIIIth edition of "International Conference on Iminium Salts (ImSaT 13)"

Prezentare orală: "Poly(benzofurane-co-arylacetic acid) a new type of highly functionalized polymers" (A. Nan, A. Bunge, M. Cîrcu, **I.-V. Ganea**, X. Filip, J. Liebscher)

06/2017 Liverpool (UK)

Participare la The XIIIth edition of "International Conference on Materials Chemistry"

Prezentare orală: "New Polyesters for Coating Surfaces" (A. Nan, M. Cîrcu, A. Bunge, A. Petran, **I.-V. Ganea**, X. Filip, J. Liebscher)

04/2016 Cluj-Napoca (Romania)

Participare la The XIth edition of International Conference "Environmental Legislation, Safety Engineering and Disaster Management" ELSEDDIMA (Secțiunea Ecouniversitaria)

Prezentare orală: "Assessment of environmental quality in Lacu Sărat Area (Brăila County, Romania)" (**I.-V. Ganea**, R. Balci, D. Gligor, C. Roba, M. Moldovan)

04/2015 Iasi (Romania)

Participare la The National Geology Students Symposium

Prezentare orală: "Influența activității termocentralei de la Chiscani (jud. Braila) asupra factorilor de mediu" (**I.-V. Ganea**, R. Balci, D. Gligor, C. Roba, M. Moldovan)

04/2014 Cluj-Napoca (Romania)

Participare la "Ecouniversitaria" International Symposium

Prezentare orală: "Soil-based miniaturized microbial fuel cells" (M. Groza, **I.-V. Ganea**, M. Pozna, M. Anton)

Prezentare orală: "NO₂⁻ and S₂⁻ detection in water and soil samples using amperometric sensors and monitoring activities of bacteria involved in sulfur cycle from Baia de Arieș mining area, Alba County" (P. Lungu, **I.-V. Ganea**, R. Balci, C. Roba)

● PROIECTE

2025 – 2026

Cercetator Stiintific - Proiect Tinere Echipe PN-IV-P2-2.1-TE-2023-0129

Proiect "Metal Complexes of Polycarboxylate Polymers"

2023 – 2026

Cercetator Stiintific - Proiect Nucleu MAT-EN-BIO PN23 24, Contract Nr. 27N/03.01.2023

Proiect "Innovation and Artificial Intelligence in The Field of Functionalized Materials, Energy and Bioeconomy"

2021 – 2023

Cercetator Stiintific - Proiect PCE PN-III-P4-ID-PCE-2020-1595, Contract Nr. PCE 33/2021

Proiect "Neoteric polymers with tunable thermal conductivity"

2020 – 2021

Director Proiect - UNESCO MAB Young Scientist

Proiect "Designing efficient strategies for the implementation of an ecotourism network in the Sfântu Gheorghe Channel area of the Danube Delta Biosphere Reserve"

2020 – 2021

Membru Grup Tinta - POCU/380/6/13/123886 Proiect: "Entrepreneurship for innovation through doctoral and postdoctoral research"

Proiect Plan de Afaceri Model Start-Up Nation - Afaceri: **BIOSeed S.R.L** - si **WEECO S.R.L**

2019 – 2021

Cercetator Stiintific - Contract 298/8.10.2020 INCDTIM-DiFeRiT SRL, Proiect POC TTC – ITIM

Proiect "Innovative products for recycling rock dust resulted as waste in the process of aggregates processing"

2018 – 2022

Cercetator Stiintific - Proiect Nucleu PN19-35-IZO-MOL-EA, Contract nr. 36N/13.02.2019

Proiect "Isotopic, molecular technologies and alternative energies"

2017 – 2020

Asistent Cercetare - Proiect PCCDI Nr. 58PCCDI 2018 - Development of National Research & Development System

Proiect "New methods for diagnosis and treatment: current challenges and technological solutions based on nanomaterials and biomaterials"

2016 – 2018

Asistent Cercetare - Proiect Nucleu IZOMOL 18 - cod PN18 03 P5

Proiect "New approaches in the field of isotopic and molecular technologies - Nanocomposite materials with applications in decontamination, nanomedicine, photovoltaic systems and data storage/processing"

2017 – 2020

Asistent Cercetare - Proiect PCCDI Contract Nr. 58PCCDI/2018, PN-III-P1-1.2-PCCDI-2017-0062 - Development of National Research & Development System

Proiect "Development of innovative solutions to improve radioisotope treatment techniques"

2016 – 2017

Asistent Cercetare - Proiect Nucleu - PN16 30 02 02

Proiect "Isotopic and molecular technologies: From research and development to innovation - Nanostructured materials with adjusted properties for specific applications in health and environmental field"

2016 – 2018

Asistent Cercetare - Proiect Tinere Echipe - PN II RU TE 2014 4 0654

Proiect "Polyesters with special properties for coating solid surfaces with applications in medicine and nanotechnology"

2016 – 2017

Director Proiect - Cercetare Interdisciplinara finantata de Universitate Babes-Bolyai prin Colegiul Studentesc de Performanta Academica

Proiect "Monitoring environmental factors in Lacu Sărat area, Brăila County - Case Study: Development of new salt water decontamination techniques and their comparative analysis"

2016 – 2017

Membru Echipe - Cercetare Interdisciplinara finantata de Universitate Babes-Bolyai prin Colegiul Studentesc de Performanta Academica

Proiect "Tele-earthquakes and records of the ROEDUSEIS (FȘIM UBB) educational seismometer for the identification and interpretation of seismic earthquakes"

2015

Director Proiect - Contract Nr. 35226/11.11.2015 (Bursa Performanta Stiintifica) finantata de Universitatea Babeș-Bolyai

Proiect "Monitoring environmental factors in the Lacu Sărat area, Brăila County"

● **DISTINȚII ONORIFICE ȘI PREMII**

11/2023

Best Paper Award – International Scientific Conference NanoBioMat2023 - winter edition

10/2023

Excellence Award and Pro Invent Medal – The International Exhibition of Research, Innovations and Inventions (Pro Invent 2023)

Medalie acordata pentru Brevetul de Inventie OSIM Nr. 134031/30.09.2022

12/2022

Best Paper Award – International Scientific Conference NanoBioMat2022 - winter edition

07/2021

Best Presentation Award – International Conference on Resource Sustainability (icRS 2021, Dublin, Irlanda)

06/2021

Best Project (Digital Challenge) - The Circular Economy Hackathon

Project WEECO - Addressing Environmental Challenges While Promoting Culture and Digitization

Link <https://circularhackathon.ircem.ro/wp-content/uploads/2021/06/Digital-1.pdf>

05/2021

Excellentia Award - PhD Students Category, Doctoral School of Environmental Science – Babes-Bolyai University Cluj-Napoca

11/2020

UNESCO MAB Young Scientist Award – UNESCO

Project "Designing efficient strategies for the implementation of an ecotourism network in the Sfântu Gheorghe Channel area of the Danube Delta Biosphere Reserve"

05/2017

Excellentia Award - Students Category - Environmental Science and Engineering Field – Babes-Bolyai University Cluj-Napoca

10/2015

Scientific Performance Scholarship – Babes-Bolyai University

Contract no. 35226/11.11.2015: "Monitoring environmental factors in Lacu Sarat area, Braila County"

05/2015

Ursus Scholarship - Students for Community – Babes-Bolyai University

05/2013

Ist Prize - Ecouniversitaria International Symposium – Babes-Bolyai University

Presentation "Miniaturized microbial fuel cells"

Academic Performance Scholarships – Babes-Bolyai University

2012-2018

● **BREVETE DE INVENTIE**

2025

Cerere Brevet Inventie OSIM Nr. A00516/06.11.2025

Titlu: "Compozit pe bază de praf de piatră și polistiren expandat reciclat și procedeu de preparare al acestuia" (**I.-V. Ganea**, A. Nan)

2024

Cerere Brevet Inventie OSIM Nr. A00660/31.10.2024

Titlu: "Compozit sustenabil din deșeuri alimentare reciclate și procedeu de preparare a acestuia" (**I.-V. Ganea**, A. Nan)

2023

Cerere Brevet Inventie OSIM Nr. A00724/22.11.2023

Titlu: "Material compozit pe bază de reziduuri organice alimentare și procedeu de preparare a acestuia pentru aplicații în protecția mediului" (**I.-V. Ganea**, A. Nan)

2023

Brevet Inventie OSIM Nr. 133609/30.01.2023

Titlu: "Montmorillonite modified with poly(benzofurane-co-arylacetic) acid functionalized with dopamine" (I.-V. Ganea, A. Nan, R. Turcu)

2022

Brevet Inventie OSIM Nr. 134031/30.09.2022

Titlu: "Magnetic nanostructures based on polymer functionalized with chelated agents" (I.-V. Ganea, A. Nan, R. Turcu)

2022

Brevet Inventie OSIM Nr. 133503/29.04.2022

Titlu: "Copolymer based on chitosan and synthesis procedure" (I.-V. Ganea, A. Nan, R. Turcu)

● **CURSURI**

11/2016

Mentorship and Professional Training on The Procedure of Issuing Permits by Protected Areas' Administrators for The Environmental Impact Assessment (EIA)

Curs organizat de Federatia Coalitia Natura 2000 in colaborare cu Fundatia ProPark

03/2016

Sustainable Forests' Management

Curs organizat de Fundatia ProPark

10/2015

How to be a green entrepreneur (Erasmus+)

Training organizat de Youth and Environment Europe (Praga, Republica Ceha)

● **ARTICOLE IN PRESA INTERNATIONALA**

11/2021

How a Romanian village resurrected the Danube Delta after the fall of the Iron Curtain

The Conversation France

Link <https://theconversation.com/how-a-romanian-village-resurrected-the-danube-delta-after-the-fall-of-the-iron-curtain-169180>

● **LUCRĂRI DE LICENȚĂ COORDONATE**

2025

Materiale compozite pe bază de deșeuri organice și anorganice pentru decontaminarea apelor poluate cu metale grele

Absolvent: Mureșeanu Paul-Sebastian

Coord. Științifici: Conf. univ. dr. R. Bălc, **Drd. I.-V. Ganea**

Facultatea de Știința și Ingineria Mediului (Universitatea Babeș-Bolyai Cluj-Napoca)

2025

Adsorbția metalelor grele prin materiale compozite pe bază de coajă de pepene verde

Absolvent: Crăciun Nicola Ștefania

Coord. Științifici: Conf. univ. dr. R. Bălc, **Drd. I.-V. Ganea**

Facultatea de Știința și Ingineria Mediului (Universitatea Babeș-Bolyai Cluj-Napoca)

2024

Evaluarea calității apelor subterane din satul Dumbrăveni, comuna Ciceu-Giurgești, jud. Bistrița-Năsăud, România

Absolvent: Marton Zara-Berta

Coord. Științifici: Conf. univ. dr. R. Bălc, CS II dr. C. Roba, **Drd. I.-V. Ganea**

Facultatea de Știința și Ingineria Mediului (Universitatea Babeș-Bolyai Cluj-Napoca)

2024

Influența compostului asupra procesului de solubilizare a solului pe substraturi nisipoase

Absolvent: Iurcuț Volodea-Iura

Coord. Științifici: Conf. univ. dr. R. Bălc, CS II dr. C. Roba, **Drd. I.-V. Ganea**

Facultatea de Știința și Ingineria Mediului (Universitatea Babeș-Bolyai Cluj-Napoca)

Ganea