

ACTIVITATE ȘTIINȚIFICĂ

I. LISTA LUCRĂRILOR ȘTIINȚIFICE PUBLICATE

1. TEZA DE DOCTORAT

*„Contribuții privind utilizarea unor materiale pe bază de argilă în realizarea catalizatorilor pentru depoluarea apelor industriale”, susținută public în 23.09.2022, Universitatea ”Vasile Alecsandri” din Bacău, România, Domeniul **Ingenieria Mediului**.*

2. BREVETE DE INVENȚIE ȘI ALTE TITLURI DE PROPRIETATE INTELECTUALĂ

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3. CĂRȚI ȘI CAPITOLE DIN CĂRȚI

1. A.M. Roșu, **D.C. Mirilă**, Siguranța produselor alimentare, Editura „Alma Mater” Bacău, Colecția Științe Inginerești, **2025**.
2. **Mirilă D.-C.**, *Proceduri de lucru pentru analize de laborator. Analiza calității apei în zonele rurale*, Editura Alma Mater, Bacău, 2024, p.80, ISBN 978-606-527-726-7.
3. Azzouz A., **Mirilă D.-C.**, Nistor Ileana-Denisa, Boudissa Farida And Roy R., *Advances in the oxidative degradation of organic pollutants: prospects for catalyzed oxidation processes and targeting total mineralization*, Nova Science Publishers, **2019**; <https://novapublishers.com/shop/advances-in-chemistry-research-volume-49/>.

4. ARTICOLE PUBLICATE ÎN REVISTE DIN FLUXUL ȘTIINȚIFIC INTERNAȚIONAL PRINCIPAL

ARTICOLE ÎN REVISTE COTATE ISI

1. Răzvan Buga, Călin Gheorghe Buzea, Valentin Nedeff, Florin Nedeff, **Diana Mirilă**, Maricel Agop, Letiția Doina Duceac, Lucian Eva, From LQ to AI-BED-Fx: A Unified Multi-Fraction Radiobiological and Machine-Learning Framework for Gamma Knife Radiosurgery Across Intracranial Pathologies, *Cancers* 2026, 18(6), 985; <https://doi.org/10.3390/cancers18060985>.
2. Călin Gheorghe Buzea, Florin Nedeff, **Diana Mirilă**, Valentin Nedeff, Maricel Agop, Lăcrămioara Ochiuz, Lucian Dobreci, Decebal Vasincu, Life as Counterfactual Geometry: An Adversarial Theory of Biological Function, *Entropy* 2026, 28(3), 255; <https://doi.org/10.3390/e28030255>.

3. Călin Gheorghe Buzea, Florin Nedeff, Diana Mirila, Valentin Nedeff, Oana Rusu, Lucian Dobreci, Maricel Agop, Decebal Vasincu, Emergent Complexity over Symbolic Simplicity: Inductive Bias and Structural Failure in GANs, *Fractal Fract.* 2026, 10(2), 133; <https://doi.org/10.3390/fractalfract10020133>.
4. Stefan Lucian Burlea, Călin Gheorghe Buzea, Irina Nica, Florin Nedeff, **Diana Mirilă**, Valentin Nedeff, Lacramioara Ochiuz, Lucian Dobreci, Maricel Agop, Ioana Rudnic, Evaluating the Managerial Feasibility of an AI-Based Tooth-Percussion Signal Screening Concept for Dental Caries: An In Silico Study, *Diagnostics* 2026, 16(4), 638; <https://doi.org/10.3390/diagnostics16040638>.
5. Călin Gheorghe Buzea, Florin Nedeff, **Diana Mirilă**, Valentin Nedeff, Oana Rusu, Maricel Agop, Decebal Vasincu, An Axiomatic Relational–Informational Framework for Emergent Geometry and Effective Spacetime, *Axioms* 2026, 15(2), 154; <https://doi.org/10.3390/axioms15020154>.
6. Călin Gheorghe Buzea, **Diana Carmen Mirilă**, Florin Nedeff, Valentin Nedeff, Mirela Panainte-Lehăduș, Oana Rusu, Lucian Dobreci, Maricel Agop, Irena-Cristina Grierosu, Vlad Ghizdovat, A Discrete Heuristic Model of Vacuum Memory with Fractal-like Structure: Entropy, Fourier Signatures, Bohmian Guidance and Decoherence in a Two-Slit Interferometer, *Fractal Fract.* 2026, 10(2), 117; <https://doi.org/10.3390/fractalfract10020117>.
7. Junior Maimou Nganko, Narcis Barsan, Paul Magloire Ekoun Koffi, Andrei Zaharia, Kouassi Esaie Kouadio Appiah, Echua Elisabeth Jasmine Bilé , Emilian Mosnegutu , Valex Nzouengo Djeukui , Florin-Marian Nedeff, Prosper Gbaha, **Diana Mirilă**, Kouassi Benjamin Yao, Claudia Tomozei, Valentin Nedeff, Sustainable Valorization of Framiré Sawdust: Extraction of Secondary Metabolites and Conversion of Residues into Fuel Briquettes, *Appl. Sci.* 2026, 16(2), 716; <https://doi.org/10.3390/app16020716>.
8. Monica Molcăluț, Călin Gheorghe Buzea, **Diana Mirilă**, Florin Nedeff, Valentin Nedeff, Lăcrămioara Ochiuz, Maricel Agop, Dragoș Teodor Iancu, Morphodynamic Modeling of Glioblastoma Using 3D Autoencoders and Neural Ordinary Differential Equations: Identification of Morphological Attractors and Dynamic Phase Maps, *Fractal Fract.* 2026, 10(1), 8; <https://doi.org/10.3390/fractalfract10010008>.
9. Călin Gheorghe Buzea, Florin Nedeff, **Diana Mirilă**, Maricel Agop, Decebal Vasincu, Deep Learning Fractal Superconductivity: A Comparative Study of Physics-Informed and Graph Neural Networks Applied to the Fractal TDGL Equation, *Fractal Fract.* 2025, 9(12), 810; <https://doi.org/10.3390/fractalfract9120810>.
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 25. Doroftei, R.F.; Sillion, M.; Ioniță, D.; Dascalu, A.; Nedeff, F.; Georgescu, A.-M.; Rosu, A.-M.; **Mirila, D.**; Nistor, I.-D. From Nature to Remediation: Biomaterials for Malachite Green Retention and Degradation. *Materials* **2025**, 18, 4374. <https://doi.org/10.3390/ma18184374>;
 26. Hortolomeu A.; **Mirilă D.-C.**; Roșu A.-M.; Nedeff F.-M.; Scutaru Y.; Ureche D.; Sturza R.; Finaru A.-L.; Nistor I. D.; *Chemically modified clay adsorbents used in the retention of protein and polyphenolic compounds from Sauvignon Blanc white wine*, *Nanomaterials* (Basel) **2024**;14(7):588, <https://doi.org/10.3390/nano14070588>.
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 32. **Mirilă, D. -C.**; Pirvan, M.S., Platon, N., **Georgescu, A.M.**, Zichil, V., Nistor, I.D., *Total mineralization of malachite green dye by advanced oxidation processes*, *Acta*

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ARTICOLE ÎN REVISTE INDEXATE BDI

1. **Mirilă Diana Carmen**, Nistor Denisa Ileana, *Oxidative study of Acid Yellow 23 using K10-Montmorillonite chemically modified*, Journal of Engineering Sciences and Innovation Volume 6, Issue 2 / **2021**, pp. 159-174; https://jesi.astr.ro/wp-content/uploads/2021/06/6_DIANA-CARMEN-MIRILA.pdf.
2. Bontaş Bogdan-Ioan, **Mirilă Diana-Carmen**, Gritcu Gabriel, Nistor Ileana-Denisa, Ureche Dorel; **2020**; *High Pollution with Heavy Metals NATURA 2000 Protected Area in Bacau County, Eastern Romania*; *Revista de Chimie Bucureşti*, Numarul 71 Volumul 6, pag. 154-169, (**5 citări**); <https://doi.org/10.37358/RC.20.6.8180>.

3. PUBLICAȚII ÎN EXTENSO, APĂRUTE ÎN LUCRĂRI LA PRINCIPALELE CONFERINȚE INTERNAȚIONALE DE SPECIALITATE

1. Poetelea D. P., Mosneguțu E., Tomozei C., Nedeff F., Panainte-Lehadus M., **Mirila D.**, Irimia O., Nedeff V., *Integrated analysis of wheat storage parameters in uncontrolled environments: case study of Valea Seacă, Bacău county, 2025 10th International Conference on Energy Efficiency and Agricultural Engineering (EE&AE), 5-7 November 2025, Starozagorski Bani, Bulgaria.*

5. ALTE LUCRĂRI ȘI CONTRIBUȚII ȘTIINȚIFICE

1. **Diana-Carmen Mirilă**, Mihaela Silion, Raluca Florenta Doroftei, Ana-Maria Rosu, Ana Maria Georgescu, Florin-Marian Nedeff, Gabriela Muntianu, Ileana-Denisa Nistor, *Comparative Analysis of Clay-based Adsorbents and Biological Adsorbents derived from *Cyprinus Carpio**, **2025**, Applications of Chemistry in Nanosciences and Biomaterials Engineering (NanoBioMat 25-27 iunie 2025 - Summer Edition), ISSN 3008-6124,
2. Raluca Florenta Doroftei, Mihaela Silion, Daniela Ioniță, Andrei Dascalu, Florin Nedeff, Ana-Maria Georgescu, Ana-Maria Rosu, **Diana-Carmen Mirilă**, Ileana-Denisa Nistor, *Eco-Friendly bio-catalysts from fish waste for dye removal in water treatment*, **2025**, SICHEM
3. Ana-Maria Georgescu, Ana-Maria Rosu, Gabriela Muntianu, Emilian Mosnegutu, **Diana-Carmen Mirilă**, Ileana-Denisa Nistor, *Gelatin-clay hybrid composites for dye adsorption in food industry applications*, **2025**, SICHEM
4. Raluca Florența Doroftei, **Diana-Carmen Mirilă**, Mihaela Silion, Daniela Istrate, Ana-Maria Rosu, Gabriela Muntianu, Ana-Maria Georgescu, Ileana Denisa Nistor, *Clays as dual-function materials in TNT adsorption and catalysis*, **2025**, Applications of

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5. Mara-Cristina Panainte, **Diana-Carmen Mirilă**, Florin-Marian Nedeff, *The use of biodegradable materials for mitigating acoustic pollution*, **2025**, The 20th International Conference of Constructive Design and Technological Optimization in Machine Building Field (OPROTEH), 21-23 mai 2025, Bacău,
6. Ahmed Elhabiri Sid, Kenichem Assia, Ana Maria Rosu, **Diana Carmen Mirilă**, *Towards industrial application: selective recovery of Zn(ii), Cd(ii), and Ni(ii) by D2EHPA in a semi-pilot liquid-liquid extraction system*, **2025**, The 20th International Conference of Constructive Design and Technological Optimization in Machine Building Field (OPROTEH), 21-23 mai 2025, Bacău,
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8. Emilian Mosneguțu, Claudia Tomozei, Grzegorz Przydatek, Mirela Panainte-Lehadus, Florin Nedeff, **Diana Mirilă**, Oana Irimia, Mădălina Roșu, *Identification of the residual waste composition in bacău county for the year 2023*, **2025**, The 20th International Conference of Constructive Design and Technological Optimization in Machine Building Field (OPROTEH), 21-23 mai 2025, Bacău,
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11. Petrut-Liviu Bogdan, Valentin Nedeff, Narcis Barsan, Mirela Panainte-Lehadus, Dana Chitimus, Florin Marian Nedeff, **Diana Carmen Mirilă**, Emilian Mosnegutu, Claudia Tomozei, *Estimating groundwater level in roman city and northern counties using geostatistical methods: ordinary kriging and semivariograms*, **2025**, The 20th International Conference of Constructive Design and Technological Optimization in Machine Building Field (OPROTEH), 21-23 mai 2025, Bacău,
12. Silvia Rubțov, Alexandra Arsenie, Georgeta Moga, Elena Cojan, Ana-Maria Georgescu, **Diana Carmen Mirilă**, Ana-Maria Rosu, Rodica Sturza, Ileana-Denisa Nistor, *Stabilization of probiotic beverages using clay-based materials*, **2025**, The 20th International Conference of Constructive Design and Technological Optimization in Machine Building Field (OPROTEH), 21-23 mai 2025, Bacău,
13. Raluca-Florenta Diaconescu (Doroftai), **Diana-Carmen Mirilă**, Ana-Maria Rosu, Ana-Maria Georgescu, Ileana-Denisa Nistor, *Synthesized organoclays for the retention and catalytic degradation of methyl parathion*, **2025**, The 20th International Conference of

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14. Andreea Hortolomeu (Luncanu), Ana-Maria Rosu, Ana-Maria Georgescu, Gabriela Muntianu, Ileana-Denisa Nistor, **Diana-Carmen Mirilă**, *Spectrophotometric determination of polyphenolic compounds in various wines from Bacău county*, **2025**, The 20th International Conference of Constructive Design and Technological Optimization in Machine Building Field (OPROTEH), 21-23 mai 2025, Bacău,
 15. Alina Mihaela Moroi, Nicoleta Vartolomei, Simina Tanasa, Ana Maria Rosu, **Diana-Carmen Mirilă**, Mirela Panaite Lehaduș, *Sensory characteristics of functional pastry products with rosehip powder addition*, **2025**, The 20th International Conference of Constructive Design and Technological Optimization in Machine Building Field (OPROTEH), 21-23 mai 2025, Bacău,
 16. Raluca-Florenta Diaconescu (Doroftei), **Diana Carmen Mirilă**, Ana-Maria Rosu, Ana-Maria Georgescu, Gabriela Muntianu, Ileana-Denisa Nistor, *Retention and catalytic degradation of 2,4,6-trinitrotoluene using synthesized organoclays*, **2025**, The 20th International Conference of Constructive Design and Technological Optimization in Machine Building Field (OPROTEH), 21-23 mai 2025, Bacău,
 17. **Mirilă Diana-Carmen**, Pîrvan Mădălina-Ștefania, Aruș Vasilica Alisa, Georgescu Ana-Maria, Platon Nicoleta, Nistor Denisa- Ileana, **2016**, *Synthesis and characterization of nanomaterials clay used for wastewater remediation*, The 7th International Conference for Students “STUDENT IN BUCOVINA”, 10 - 11 noiembrie, 2016, prezentare - premiul III, http://fia-old.usv.ro/www/pagini/stud_bucovina_2016/program.pdf;
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- Materials, 6-7 septembrie, 2018, poster, http://sicr.ro/wp-content/uploads/2019/02/SICHEM_2018_Program%20Desfasurare_Final.pdf;
- 23. Mirilă Diana-Carmen**, Pîrvan Mădălina-Ştefania, Platon Nicoleta, Nistor Ileana-Denisa, Azzouz Abdelkrim, **2018**, *Uses of composite materials of the smectite type in catalytic ozonation*, SICHEM 2018, International Symposium of Chemical Engineering and Materials, 6-7 septembrie, 2018, poster, http://sicr.ro/wp-content/uploads/2019/02/SICHEM_2018_Program%20Desfasurare_Final.pdf;
- 24. Mirilă Diana-Carmen**, Pîrvan Mădălina-Ştefania, Platon Nicoleta, Didi Mohammed Amine, Nistor Ileana-Denisa, Azzouz Abdelkrim, **2018**, *Advanced oxidation processes used in food dyes removal*, International Conference MODERN TECHNOLOGIES IN THE FOOD INDUSTRY (MTFI)-2018, ediția a IV-a, 18-20 octombrie, 2018, Chişinău (Republica Moldova), prezentare, https://ibn.idsi.md/sites/default/files/imag_file/program-mfti-2018.pdf;
- 25. Pîrvan Mădălina-Ştefania, Mirilă Diana-Carmen**, Pirault-Roy Laurance, Brahmi Rachid, Didi Mohamed Amine, Nistor Ileana-Denisa, *Retention de polluants sur des matrices a base d'argile anionique dans les eaux usees de l'industrie alimentaire pour rehabilitation environnementale*, International Conference MODERN TECHNOLOGIES IN THE FOOD INDUSTRY (MTFI)-2018, ediția a IV-a, 18-20 octombrie, 2018, Chişinău (Republica Moldova), poster, https://ibn.idsi.md/sites/default/files/imag_file/program-mfti-2018.pdf;
- 26. Mirilă Diana-Carmen**, Pîrvan Mădălina-Ştefania, Roşu Ana-Maria, Zichil Valentin, Nistor Ileana Denisa, **2018**, *Etude concernant la retention des encres papetieres sur des argiles*, Cea de a X-a editie a Colloque Franco-Roumain de Chimie Appliquée (COFrRoCA 2018), 27 -29 iunie, poster, <https://cofroca.ub.ro/>;
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- 28. Hortolomeu Andreea, Mirilă Diana-Carmen**, Platon Nicoleta, Nistor Ileana- Denisa, *Intercalation of cationic clays with β -cyclodextrines and their uses in Oenology*, International Conference of Applied Sciences, Bacău, 22-24 mai, **2019**, poster, <https://cisaconf.ub.ro/>;
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47. Hortolomeu Andreea, **Mirilă Diana-Carmen**, Nistor Denisa-Ileana, *The effect of cyclic oligosaccharides on the stability of indigenous wines*, 17th International Conference of Constructive Design and Technological Optimization in Machine Building, 25-27 mai **2022** - poster, <https://oproteh.ub.ro/>.
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51. Raluca-Florența Diaconescu (Doroftei), **Diana-Carmen Mirilă**, Ana-Maria Georgescu, Ana-Maria Roșu, Ileana-Denisa Nistor, *Retention of 2,4,6-trinitrotoluene widely used in the military industry on pillared clays*, 19th International Conference of Constructive Design and Technological Optimization in Machine Building, 22-24 mai 2024 – poster, <https://oproteh.ub.ro/>.
52. **Diana-Carmen Mirilă**, Raluca-Florența Diaconescu (Doroftei), Ana-Maria Rosu, Ileana-Denisa Nistor, Dorel Ureche, *Comparative study between clay-based adsorbent/catalyst material and biological materials derived from *Cyprinus carpio**, 19th International Conference of Constructive Design and Technological Optimization in Machine Building, 22-24 mai 2024 – poster, <https://oproteh.ub.ro/>.
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59. Vartolomei Nicoleta, **Mirilă Diana-Carmen**, Roșu Ana-Maria, Georgescu Ana-Maria, Nedeff Florin, Panainte Mirela, Nistor Ileana-Denisa, *Novel Inhibitor and Catalyst: Silver Nanoparticles on Natural Clay Targeting ISO SS Bacteria from Sewage Sludge*

and Malachite Green Dye Oxidation, EURO POLITEHNICUS 2024, International Innovative and Invention Show – 1st edition, 22-24 noiembrie 2024, [EURO POLITEHNICUS 2024](#).

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61. **Mirilă Diana-Carmen**, Roșu Ana-Maria, Georgescu Ana-Maria, Nedeff Florin-Marian, Jinescu Gheorghita, Nistor Ileana-Denisa, *Eco-Friendly Silver-Modified Clay: Combating ISO SS Bacteria and Enhancing Malachite Green Dye Oxidation*, Conferința NonoBioMat 27-29 noiembrie 2024 - poster, <https://nanobiomat.eu/>.
62. **Mirilă Diana-Carmen**, Pîrvan Mădălina Ștefania, Nistor Ileana-Denisa, *Utilizarea argilelor cationice in industria alimentară*, Sesiunea națională de comunicări științifice studențești Ingineria- Profesia viitorului, Ediția I 2017, [poster](#).
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66. **Mirilă Diana-Carmen**, Pîrvan Mădălina-Ștefania, Platon Nicoleta, Didi Mohammed Amine, Nistor Ileana-Denisa, Azzouz Abdelkrim, 2018, *Total mineralization of Malachite Green dye by Advanced Oxidation Processes*, Conferința Facultății de Chimie IașiChem 2018, 25-26 octombrie, [poster](#), <https://www.chem.uaic.ro/ro/manifestari/zu-2018.html>.
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mai, 2019, Iași, Romania, poster, <https://icpm.tuiasi.ro/2019/05/conferinta-scolii-doctorale/>.

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71. **Mirilă Diana-Carmen**, Pîrvan Mădălina Ștefania, Platon Nicoleta, Didi Mohamed Amine, Nistor Denisa Ileana, Azzouz Abdelkrim, *Malachite Green removal through catalytic ozonation using as catalysts: Al - pillared clays supported rare earths and palladium*, IasiCHEM 2019, Ediția a III-a, 31 octombrie - 1 noiembrie 2019, Facultatea de Chimie Universitatea „Alexandru Ioan Cuza” din Iași, poster, <http://www.chem.uaic.ro/ro/manifestari/zu-2019.html>.

- **Participări la Saloane Internaționale de Inventică, Inovație și cercetare**

1. **EURO POLITEHNICUS 2024, International Innovation and Invention Show First edition 22-24 noiembrie 2024, București**

Juriul internațional a acordat **medalii de aur** pentru cele două proiecte:

- *”Novel Inhibitor and Catalyst: Silver Nanoparticles on Natural Clay Targeting ISO SS Bacteria from Sewage Sludge and Malachite Green Dye Oxidation”*, realizată de **Mirilă Diana-Carmen**, Vartolomei Nicoleta, Roșu Ana-Maria, Panainte-Lehăduș Mirela, Georgescu Ana-Maria, Nedeff Florin-Marian și Nistor Ileana-Denisa, <https://politehnicus.upb.ro/>.
- *”Innovative Retention of Phthalates in Wine Using Newly Developed Nanomaterials”*, realizată de **Mirilă Diana-Carmen**, Hortolomeu Andreea, Vartolomei Nicoleta, Roșu Ana-Maria, Georgescu Ana-Maria, Nedeff Florin-Marian, Aruș Vasilica-Alisa, Platon Nicoleta, Muntianu Gabriela, Panainte-Lehăduș Mirela și Nistor Ileana-Denisa, <https://politehnicus.upb.ro/>.

Alte instituții prezente la salon au acordat pentru primul proiect și următoarele medalii și premii:

- **Medalia de aur** de la Universitatea „Dunărea de Jos” din Galați.
- **Medalia de aur și diplomă de excelență** de la National Institute of Research - Development for Machines and Installations Designed for Agriculture and Food Industry (INMA) București.
- **CUPA și Diploma SPECIAL AWARD** de la Centrul de Inovare și Transfer Tehnologic UPT, Asociația Generală a Inginerilor din România – Sucursala Hunedoara și Asociația CorneliuGroup Cercetare-Inovare, Universitatea Politehnică Timișoara.
- **Certificat de excelență** de la Universitatea „Constantin Brâncuși” din Târgu Jiu, Technology Transfer Center CTT-UCB.
- **Premiul special (Diplomă și medalie)** de la Romanian Association for Alternative Technologies (ARTA) Sibiu, ca semn de onoare, recunoaștere și apreciere a creativității științifice și originalității.

2. EUROINVENT, European Exhibition of Creativity and Innovation, 8-10 mai 2025 IAȘI

Instituțiile organizatoare a evenimentului EUROINVENT 2025, Forumul Inventatorilor din România, Europe Direct Iași, Universitatea Tehnică „Gheorghe Asachi” din Iași și Universitatea „Alexandru Ioan Cuza” din Iași, au acordat:

- **Medalia de aur** pentru primul proiect: *Innovative nanomaterial used as catalyst and bacterial inhibition agent*, **Mirilă Diana Carmen**, Roșu Ana-Maria, Georgescu Ana-Maria, Muntianu Gabriela, Nedeff Florin, Panainte-Lehăduș Mirela, Nistor Ileana-Denisa, ISSN 2601-4572, <https://www.euroinvent.org/>.
- **Medalia de argint** pentru proiectul al doilea: *Influence of rosehip powder addition on the artisanal biscuits quality*, Moroi Alina-Mihaela, Vartolomei Nicoleta, Tănasă Simina, Roșu Ana-Maria, **Mirilă Diana-Carmen**, Tomozei Claudia, Lehăduș-Panainte Mirela, ISSN 2601-4572, <https://www.euroinvent.org/>.

Alte intituții prezente la eveniment au acordat următoarele diplome și medalii:

Pentru primul proiect:

- **Premiul de excelență** pentru rezultatele obținute în domeniul Bioingineriei Medicale acordat de către Universitatea de Medicină și Farmacie „Grigore T. Popa” Iași;
- **CUPA și Diplomă SPECIAL AWARD** acordate de către Corneliu Group Research-Innovation Association;
- **Certificat de excelență** acordat de către Corneliu Group Research-Innovation Association;
- **Medalie și Diplomă** acordate de către Romanian Association for Alternative Technologies (ARTA) Sibiu, ca semn de onoare, recunoaștere și apreciere a creativității științifice și originalității;
- **Medalie și Diplomă SPECIAL AWARD** acordate de către Universitatea Politehnica Timișoara;
- **Medalie și Premiu** acordate de către Universitatea „Lucian Blaga” din Sibiu.

Pentru al doilea proiect:

- **Medalie și Diplomă SPECIAL AWARD** acordate de către Corneliu Group Research-Innovation Association;
- **Medalie și Diplomă de excelență** acordate de către Institutul Național de Cercetare-Dezvoltare pentru Mașini și Instalații Destinate Agriculturii și Industriei Alimentare – INMA București;
- **Medalie și Diplomă** acordate de către Romanian Association for Alternative Technologies (ARTA) Sibiu, ca semn de onoare, recunoaștere și apreciere a creativității științifice și originalității.

3. Expoziția Internațională INVENTCOR, ediția a V-a, 04-06 aprilie 2024, Deva

Printre premiile oferite de către organizatorii, Asociația CORNELIUGROUP Cercetare - Inovare în colaborare cu Universitatea Politehnica Timișoara, Universitatea „Lucian Blaga” din Sibiu și Asociația Română pentru Tehnologii Alternative Sibiu (A.R.T.A.), se numără:

- **Trofeu** pentru contribuția extraordinară în domeniul cercetării și inovării acordat Universității „Vasile Alecsandri” din Bacău;
- **Medalie de Aur și Premiu Special Trofeu** pentru proiectul „*New Organic Digestive Biscuits with Rare Black Mulberry Addition and Delightful Jelly*”, realizat de Georgescu

Ana-Maria, Muntianu Gabriela, Roșu Ana-Maria, **Mirilă Diana Carmen**, Moroi Alina-Mihaela, Vartolomei Nicoleta, Nistor Ileana Denisa, Lehăduș-Panainte Mirela;

- **Medalie de Aur** pentru proiectul „*Artisanal Biscuits with the Organic Rosehip Powder Addition*”, realizată de Moroi Alina-Mihaela, Vartolomei Nicoleta, Tănasă Simina, Roșu Ana-Maria, **Mirilă Diana Carmen**, Tomozei Claudia, Lehăduș-Panainte Mirela.

Alte instituții de prestigiu prezente la salon au mai acordat următoarele medalii și premii:

Pentru proiectul „*New Organic Digestive Biscuits with Rare Black Mulberry Addition and Delightful Jelly*”, realizat de Georgescu Ana-Maria, Muntianu Gabriela, Roșu Ana-Maria, **Mirilă Diana Carmen**, Moroi Alina-Mihaela, Vartolomei Nicoleta, Nistor Ileana Denisa, Lehăduș-Panainte Mirela:

- **Medalie de Aur** acordată de International Center for Research and Development IRAQ.
- **Medalie de Aur și Premiu Special** pentru aceeași lucrare, acordat de Universitatea „Constantin Brâncuși” din Târgu Jiu.
- **Medalie de Argint** acordată de Association of Inventors and Innovators UPI CIB Serbia.
Pentru proiectul „*Artisanal Biscuits with the Organic Rosehip Powder Addition*”, realizată de Moroi Alina-Mihaela, Vartolomei Nicoleta, Tănasă Simina, Roșu Ana-Maria, **Mirilă Diana Carmen**, Tomozei Claudia, Lehăduș-Panainte Mirela:
 - **Medalie de Argint** acordată de Research and Development Center HEALTHY VIBE Holistic Treatment.
 - **Medalie de Argint** acordată de Association IDEA Club 13 Ungaria.

4. Salonul Inovării și Cercetării UGAL INVENT, 23 - 24 Octombrie 2025

Instituțiile organizatoare, Universitatea „Dunărea de Jos” din Galați și Black Sea Universities Network, în colaborare cu partenerii au acordat:

Medalii de aur pentru proiectele:

- Raluca Florența Doroftei, Mihaela Silion, Florin Nedeff, Ana-Maria Georgescu, Ana-Maria Roșu, **Diana-Carmen Mirilă**, Mirela Panainte-Lehăduș și Ileana-Denisa Nistor, *Valorificarea subproduselor piscicole din Cyprinus carpio pentru obținerea de biomateriale inovative funcționalizate*, www.invent.ugal.ro;
- Alina-Mihaela Moroi, Nicoleta Vartolomei, Ana-Maria Roșu, Diana-Carmen Mirilă Claudia Tomozei, Mirela Panainte-Lehăduș, Biscuiți artizanali cu adaos de pudră ecologică de măceșe, www.invent.ugal.ro;

Alte instituții de prestigiu prezente la salon au mai acordat următoarele medalii și premii:

- **Medalie și Diplomă de excelență** acordate de către Institutul Național de Cercetare-Dezvoltare pentru Mașini și Instalații Destinate Agriculturii și Industriei Alimentare - INMA București.

5. EURO POLITEHNICUS 2025, International Innovation and Invention Show Second edition 21-23 noiembrie 2025

Instituția organizatoare, Universitatea Națională de Știință și Tehnologie POLITEHNICA din București și Juriul internațional a acordat **medalie de aur** pentru proiectul intitulat:

- *New Insights into Clay Materials for TNT Adsorption and Catalysis*, Raluca Florența Doroftei, **Diana Mirilă**, Mihaela Silion, Daniela Ionita, Ana-Maria Roșu, Gabriela Muntianu, Ana-Maria Georgescu, Ileana-Denisa Nistor, <https://politehnicus.upb.ro/>.

Alte instituții prezente la salon au acordat și următoarele medalii și premii:

- **Premiu special și medalie** acordat de către Universitatea “Lucian Blaga” din Sibiu;
- **SPECIAL AWARD diploma și medalie** acordat de către Universitatea Politehnica Timișoara.

Data

Lector univ. dr. ing. ec. Diana-Carmen MIRILĂ