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LISTA LUCRĂRILOR PUBLICATE

Conf. univ. dr. ing. Tomozei Claudia

I. Lista lucrărilor considerate relevante pentru realizările profesionale proprii

1. Oana Irimia, Mirela Panaite-Lehadus, **Claudia Tomozei**, Emilian Mosnegutu, Grzegorz Przydatek, Origin-destination traffic survey—Case study: data analyse for Bacau Municipality, Sustainability, vol. 15, no. 6, 4975, 2023; FI 3,889; <https://doi.org/10.3390/su15064975>; WOS:000967792200001;
2. Irimia Oana, Przydatek Grzegorz, Panaite-Lehadus Mirela, **Tomozei Claudia**, Mosnegutu Emilian Gawron Piotr, Indicators of impact selected municipal units on the air quality—Case Study from Poland and Romania, Processes, vol. 10, no. 12, 2485; 2022; FI 3,328; <https://doi.org/10.3390/pr10122485>; WOS:000902812200001;
3. Mirela Panaite-Lehadus, Mihai Vulpe, Valentin Nedeff, Emilian Mosnegutu, Grzegorz Przydatek, **Claudia Tomozei**, Dana Chitimus, Study on the method of household waste collection: Case Study, Applied Science, vol. 12, no. 15, 7490, 2022; FI 2,838; <https://doi.org/10.3390/app12157490>; WOS:000838899700001;
4. Mosnegutu Emilian Florin, Panaite-Lehadus Mirela, Nedeff Florin, Tirtoaca Oana, **Tomozei Claudia**, Waste management evaluation in the context of sustainable development. Case study Vasile Alecsandri University of Bacau, International Journal of Conservation Science, vol. 11, no. 1, p. 179-188; 2020; https://ijcs.ro/public/IJCS-20-17_Mosnegutu.pdf; WOS:000520030000017;
5. Mirela Panaite Lehadus, Valentin Nedeff, Narcis Barsan, Andrei Victor Sandu, Emilian Mosnegutu, **Claudia Tomozei**, Oana Irimia, Gabriela Andrioai, Ion Sandu, Monitoring the Particulate Matter (PM10) emissions from Bacau City Termo-Energetic Industry, Revista de Chimie, Bucharest, ISSN 2537-5733, 2019, 70, no. 8, p. 2869-2872; FI 0; <https://doi.org/10.37358/RC.19.8.7446>; WOS:000489685600035;
6. Oana Tirtoaca (Irimia), Mirela Panaite-Lehadus, Claudia Tomozei, Emilian Mosnegutu, Alexandra-Dana Chitimus, Narcis Barsan, Study regarding the measuring of Particulate matter PM2.5 and PM10 in industrial working environments, Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 21, no. 2, p. 271 – 278, 1582-540X, 2020; FI 0; <https://pubs.ub.ro/?pg=revues&rev=csc6&num=202002&vol=2&aid=5111>; WOS:000546789300012;
7. **Claudia Tomozei**, Valentin Nedeff, Mirela Panaite, Gabriela Telibasa, Experimenting rigid and elastic clamping methods of acoustic screens, Environmental Engineering and Management Journal, December, vol.17, no. 12, p. 2881-2888, 2018; ISSN: 1582-9596; <https://eemj.eu/index.php/EEMJ/article/view/3752>; WOS:000456043800012;

8. Alina Mihaela Petrovici, Jose Luis Cueto, Ricardo Gey, Florin Nedeff, Ricardo Hernandez, **Claudia Tomozei**, Emilian Mosnegutu, Optimization of some alternatives to noise barriers as noise mitigation measures on major roads in Europe. Case study of a highway in Spain, Environmental Engineering and Management Journal, vol. 15, no. 7, p. 1617-1628, July 2016; FI 0,858; DOI:10.30638/eemj.2016.174; WOS:000384472000021;
9. **Claudia Tomozei**, Florin Nedeff, Alina Petrovici Contu, Oana Tirtoaca Irimia, Marius Stanila, Ioan Joița, Valentin Zichil, Impacts of outdoor noise on teaching and learning activities, Environmental Engineering and Management Journal, March 2016, vol. 15, no. 3, p. 545-552; FI 0,858; DOI: 10.30638/eemj.2016.059; WOS:000376876400008;
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II. Teza de doctorat

- **Studii și cercetări privind posibilitățile de reducere a poluării fonice din instalațiile industriale**, Universitatea „Vasile Alecsandri” din Bacău, Facultatea de Inginerie, 27 octombrie 2011.

III. Teza de abilitare

- **Monitorizarea și protecția factorilor de mediu**, Universitatea „Vasile Alecsandri” din Bacău, Facultatea de Inginerie, feb. 2024

IV. Cărți și capitole din cărți

1. Valentin Nedeff, Dana Chitimus, Luminita Bibire, Mirela Panainte-Lehadus, **Claudia Tomozei**, Florin Nedeff, Paul Cotirlet, Ergonomie, Ed. Alma Mater Bacau, ISBN: 978-606-527-590-42021, 364 pag.; 2021
2. Nedeff Valentin, Chitimus Alexandra-Dana, Mosnegutu Emilian, Panainte Lehadus Mirela, **Tomozei Claudia**, Irimia Oana, Barsan Narcis, Nedeff Florin Marian, Proceduri de lucru pentru analiza solului si a altor materiale, vol. 2, Editura Alma Mater Bacau 2018, ISBN 978-606-527-581-2, 978-606-527-583-6, 131 pag.;
3. Valentin Nedeff, **Claudia Tomozei**, Irimia Oana, Nedeff Florin Marian, Panainte Lehadus Mirela, Barsan Narcis, Chitimus Alexandra-Dana, Mosnegutu Emilian, Proceduri de lucru pentru analiza calitatii aerului si a altor compusi gazosi, vol. 1, Editura Alma Mater Bacau, 2018, ISBN 978-606-527-593-5;
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7. **Tomozei (Lazarescu) Claudia**, Studii si cercetari privind atenuarea zgomotului in mediile industriale, „Proiectul BRAIN – rezultate obtinute, Editura Alma Mater Bacau, februarie 2011, ISBN 978-606-527-111-1, p. 81-91;
8. Nedeff Florin Marian, **Tomozei Claudia**, Panainte Mirela, Lazar Gabriel - Noise maps for the industrial enclosures, EE&AE 2013, Engineering and Research for Agriculture Conference, „Angel Kanchev” University of Rousse, 17-18 May 2013, p. 299- 306.

V. Articole/studii în extenso, publicate în reviste din fluxul științific internațional principal

IV.1. Lucrări publicate în reviste cotate ISI

1. Mosnegutu Emilian, Tomozei Claudia, Nedeff Florin, Chitimus Dana, Mirila Diana, Wiewiórska Iwona, Jasinski Marcin, Sporea Nicoleta, Towards Efficient Waste Handling: Structural Group Reduction in Lifting Mechanism Design, PROCESSES, vol. 13, issue 9, 2025, DOI10.3390/pr13092744, WOS:001579953900001
2. Poetelea Diana Petronela, Mosnegutu Emilian, Tomozei Claudia, Nedeff Florin, Barsan Narcis, Panainte-Lehadus, Mirila Diana Carmen, Przydatek Grzegorz, Environmental Monitoring and Quality Dynamics of Wheat During One Year of Natural Storage, PROCESSES, vol. 13, issue 8, 2025, DOI10.3390/pr13082549, WOS:001559648400001
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4. Mosnegutu Emilian, Przydatek Grzegorz, Chitimus Dana, Placinta Catalin, Barsan Narcis, Tomozei Claudia, Nedeff Florin, Sporea Nicoleta, Study on the public information level about the waste management system, Urban Science, vol. 9, no 5, 2025, WOS:001496596600001, DOI10.3390/urbansci9050148,
5. Irimia Oana, Tomozei Claudia, Panainte-Lehadus Mirela, Chitimus Dana, Nedeff Florin, Barsan Narcis, Mosnegutu Emilian, Mirila Diana, Understanding Primary School Students' Knowledge and Attitudes Towards Water Management: Insights from Environmental Education, SOCIETIES, vol. 15, issue 4, 2025, DOI10.3390/soc15040109, WOS:001475663200001
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8. Zaharia Andrei, Nedeff Valentin, Lopez-Ramirez Juan A., Mosnegutu, Emilian, Barsan, Narcis, Lehadus-Panainte Mirela, Krzysztof Jamrozak, **Tomozei Claudia**, Scanning electron microscope analysis of polypropylene filter cartridges used in drinking water purification systems, Water, vol. 16, no. 1, 165, 2024; eISSN 2073-4441; FI 3,5; DOI10.3390/w16010165; WOS:001140618900001;
 9. Grzegorz Przydatek, Andrzej Ryniewicz, Oana Irimia, **Claudia Tomozei**, Emilian Mosnegutu, Marcin Bodziony, Analysis of noise levels in typical passenger cars, Sustainability, vol. 15, p. 7910, 2023; FI: 3,889; <https://doi.org/10.3390/su15107910>;
 10. Goldan Elena, Nedeff Valentin, Barsan Narcis, Culea Mihaela, Panainte-Lehadus Mirela, Mosnegutu Emilian, **Tomozei Claudia**, Chitimus Dana, Irimia Oana, Assessment of manure compost used as soil amendment-A review, Process, vol. 11, no. 4, 1167; 2023; FI 3,328; DOI: 10.3390/pr11041167; eISSN 2227-9717; WOS:000977626500001;
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 18. Elena Goldan, Valentin Nedeff, Narcis Barsan, Mihaela Culea, **Claudia Tomozei**, Mirela Panainte-Lehadus, Emilian Mosnegutu, Evaluation of the use of sewage sludge biochar as

- a soil amendment—A review, *Sustainability*, vol. 14, no. 5309, 2022, FI 3,889; <https://doi.org/10.3390/su14095309>; WOS:000794497400001;
19. Zaharia Andrei, Valentin Nedeff, Narcis Barsan, Mirela Panainte-Lehadus, Emilian Mosnegutu, Dana Chițimus, **Claudia Tomozei**, Ultrafiltration technology application in the industrial wastewater treatment processes, *Fresenius Environmental Bulletin*, vol. 31, no. 08B, p. 8742 - 8751, aug 2022; FI 0,618; https://www.prt-parlar.de/download_feb_2022; WOS:000850209000019;
 20. Hanen Filali, Narcis Barsan, Dalila Souguir, Valentin Nedeff, **Claudia Tomozei**, Mohamed Hachicha, Greywater as an alternative solution for a sustainable management of water resources—A Review, *Sustainability*, 2022, 14, 665. FI 3,889; <https://doi.org/10.3390/su14020665>; WOS:000757668100001;
 21. Chitimus Alexandra Dana, Nedeff Valentin, Muscalu (Plescan) Oana, Mosnegutu Emilian, Barsan Narcis, Panainte-Lehadus, **Tomozei Claudia**, Influence of fertilization systems to the soil inorganic compounds. Case study: monocultures of cereals, leguminous and oleaginous, *Global NEST Journal*, 2021, vol. 23, no. 2, ISSN1790-7632; IF. 1,134; <https://doi.org/10.30955/gnj.003678>; WOS:000709770400014;
 22. Fabian Florina, Nedeff Valentin, Barsan Narcis, Panainte-Lehadus Mirela, Mosnegutu Emilian Florin, Cotirlet Paul Claudiu, Chitimus Dana, **Tomozei Claudia**, Irinia Oana, Estimating the carbon footprint in water treatment case study the treatment plants from Bacau Romania and Turin Italy, *Fresenius Environmental Bulletin*, vol 30, no. 10, 2021; FI 0,618; https://www.prt-parlar.de/download_feb_2021/; WOS:000704955000039;
 23. Mirela Panainte-Lehadus, Valentin Nedeff, Narcis Barsan, Emilian Mosnegutu, Antonina Temea, **Claudia Tomozei**, Oana Irinia, Dana Chitimus, Evaluation on consumer attitudes towards to the purchase of eco-labeled products, *Fresenius Environmental Bulletin*, vol. 30, no. 5, p. 5521-5528, 2021; IF 0,618; https://www.prt-parlar.de/download_feb_2021/; WOS:000658173700091;
 24. Vulpe Mihai, Valentin Nedeff, Panainte-Lehadus Mirela, Mosnegutu Emilian Florin, Barsan Narcis, **Tomozei Claudia**, Study of waste management in different areas from Romania, *Fresenius Environmental Bulletin*, vol. 30, no. 03, p. 2686-2691, 2021; FI 0,618; https://www.prt-parlar.de/download_feb_2021/; WOS:000629181400044;
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 27. Chitimus Alexandra Dana, Nedeff Florin Marian, Sandu Ion, Radu Cristian, Mosnegutu Emilian, Barsan Narcis, Sandu Ioan Gabriel, **Tomozei Claudia**, Absorption capacity of copper and lead in the case of *Phragmites australis* plant species, *Revista de Chimie*, vol.

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28. Carolina Untila, Mihail Caraman, Valentin Nedeff, Narcis Barsan, Ion Sandu, Alexandra Dana Chitimus, Vasile Valentin Cretu, **Claudia Tomozei**, Andrei Victor Sandu, Evaluation of heavy metals and organic compounds in water samples collected from various sources from Republic of Moldova and Romania, *Revista de Chimie*, Bucharest, vol. 70, no. 10, 2019, p. 3570-3574; FI 0; <https://doi.org/10.37358/RC.19.10.7598>; WOS:000500795900025;
 29. Tirtoaca (Irimia) Oana, Mirela Panainte Lehadus, Nedeff Valentin, Sandu Ion, **Tomozei Claudia**, Cretu Valentin Vasile; Sandu Andrei Victor, Experimental results regarding the groundwater quality in Bacau City, Romania, *Revista de Chimie*, Bucharest, vol. 70, no. 9, p. 3378-3382, FI 0; <https://doi.org/10.37358/RC.19.9.7553>; WOS:000489958900060;
 30. Mirela Panainte Lehadus, Valentin Nedeff, Narcis Barsan, Andrei Victor Sandu, Emilian Mosnegutu, **Claudia Tomozei**, Oana Irimia, Gabriela Andrioai, Ion Sandu, Monitoring the Particulate Matter (PM10) emissions from Bacau City Termo-Energetic Industry, *Revista de Chimie*, Bucharest, ISSN 2537-5733, 2019, 70, no. 8, p. 2869-2872; FI 0; <https://doi.org/10.37358/RC.19.8.7446>; WOS:000489685600035;
 31. Temea Antonina, Nedeff Valentin, Panainte-Lehadus Mirela, **Tomozei Claudia**, Comparison between characteristics of products with ecolabel and the ones without ecolabel, *Revista de Chimie*, Bucharest, vol. 70, no. 4, p. 1293-1297; ISSN 2537-5733, 2019, FI 0; <https://doi.org/10.37358/RC.19.4.7112>; WOS:000469387200037;
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 35. Barsan Narcis, Nedeff Valentin, Temea Antonina, Mosnegutu Emilian, Chitimus Alexandra Dana, **Tomozei Claudia**, A perspective for poor wastewater infrastructure regions: a small-scale sequencing batch reactor treatment system, *Chemistry Journal of Moldova*, vol. 12, no. 1, p. 61-66; 2017, FI 0; DOI: [dx.doi.org/10.19261/cjm.2017.387](https://doi.org/10.19261/cjm.2017.387); WOS:000404526200006;
 36. Alina Mihaela Petrovici, Jose Luis Cueto, Ricardo Gey, Florin Nedeff, Ricardo Hernandez, **Claudia Tomozei**, Emilian Mosnegutu, Optimization of some alternatives to noise barriers as noise mitigation measures on major roads in Europe. Case study of a highway in Spain,

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IV.2. Lucrări publicate în proceeding cotat ISI

1. Ioja, Iosif, Nedeff Valentin, Agop, Maricel, Nedeff, Florin Marian, Tomozei Claudia, Software uses in precision agriculture based on drone image processing - A review, IEEE, 2024 9TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING, EE & AE 2024, WOS:001298137300063, DOI10.1109/EEAE60309.2024.10600556
2. Tomozei Claudia, Mosnegutu Emilian, Nedeff Valentin, Irimia Oana, Panainte-Lehadus Mirela, Nedeff Florin Marian, Chitimus Dana, Barsan Narcis, Study of the Noise Level in an Ice Cream Factory Working Environment, IEEE, 2024 9TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING, EE & AE 2024, DOI10.1109/EEAE60309.2024.10600574, WOS:001298137300081
3. Iosif Ioja, **Claudia Tomozei**, Valentin Nedeff, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Narcis Barsan, Dana Chitimus, Studies and research on the possibilities of implementing ergonomic principles in increasing labor productivity, 2022,

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 45. **Tomozei Claudia**, Nedeff Valentin, Panainte Mirela, Experimenting Rigid and Elastic Clamping Methods of Acoustic Screens, Abstract publicat al lucrarii prezentate in cadrul First International Conference on MOLDAVIAN RISKS – FROM GLOBAL TO LOCAL SCALE, Bacau, Romania, p. 65, 2012; ISBN 978-606-527-201-9;
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 47. **Tomozei Claudia**, Nedeff Valentin, Lazar Gabriel, Studies and researches on reducing noise pollution in industry, Lucrare publicata in volumul conferintei internationale Proceedings of the Scientific Student Session – SSS’11, University Angel Kanchev, Ruse, Bulgaria, p. 11-19, 2011; ISSN 1311-3321.

VI. Lucrări prezentate la conferințe și manifestări științifice

1. **Claudia Tomozei**, Cătălin Marian Plăcintă, Mirela Panainte-Lehadus, Oana Irimia, Emilian Moșnegutu, Valentin Nedeff, Dana Chitimus, Narcis Barsan Towards a Sustainable Future: Challenges, Strategies And Global Perspectives, "Vasile Alecsandri" University of Bacau, Faculty of Engineering, Romania, Constructive and Technological Design Optimization in the machines Building Field, Conference Proceedings abstracts, OPROTEH 2025, 21-23 Mai 2025; <https://oproteh.ub.ro/doc/2025-proceedings.pdf?v=1>
2. **Claudia Tomozei**, Catalin Marian Placinta, Emilian Mosnegutu, Valentin Nedeff, Oana Irimia, Mirela Panainte-Lehadus, Florin Marian Nedeff, Narcis Barsan, Dana Chitimus, Perceptions and priorities in sustainable development: an analysis of public opinion in Bacau county, Constructive and Technological Design Optimization in the machines Building Field, Conference Proceedings abstracts, OPROTEH, May 22-24, 2024.
3. **Claudia Tomozei**, Mirela Panainte-Lehadus, Oana Irimia, Florin Marian Nedeff, Emilian Mosnegutu, Narcis Barsan, Dana Chitimus, Andreea-Iuliana Mares, Grzegorz Przydatek, Evaluation of noise level in an working environment, Constructive and Technological Design Optimization in the machines Building Field, Conference Proceedings abstracts, OPROTEH, May 11-13, 2023; <https://oproteh.ub.ro/assets/abstracts2023.pdf?v=ja783>;
4. **Claudia Tomozei**, Oana Irimia, Mirela Panainte-Lehadus, Emilian Mosnegutu, Florin Nedeff, Cosmin Dosoftei, Cristina Visan, Study regarding the determination of the dust concentration level in the center of Bacau City, Constructive and Technological Design Optimization in the machines Building Field, Conference Proceedings abstracts, OPROTEH, May 25-27, 2022; <https://oproteh.ub.ro/assets/program202205.pdf?v=04kdf9i4kr>
5. **Claudia Tomozei**, Oana Irimia, Mirela Panainte Lehadus, Florin Nedeff, Emilian Mosnegutu, Evaluation of the noise level in the Bacau Bus Station area, The 16th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH, Bacau, May 25-27, 2021; <http://oproteh.ub.ro/assets/abstracts.pdf?v=8439f13s>;
6. **Tomozei C.**, Panainte-Lehadus M., Irimia O., Nedeff F., Public transport in Bacau City 2020 7th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2020 – Proceedings, „Angel Kanchev” University of Ruse, November 12, 2020, no. 9279088; ISSN: 978-172810362-4; <https://ieeexplore.ieee.org/document/9279088>;
7. Oana Irimia, **Claudia Tomozei**, Mirela Panainte-Lehadus, Maria Cristina Dinu, Evaluation of the Potential of Wind Energy as a Source of Electricity Generation: Case Study -Vanatori Wind Power Plant, 2020 7th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2020 – Proceedings, Angel Kanchev University of Ruse, November 12, 2020; no. 20279211, ISSN: 978-172810362-4; <https://ieeexplore.ieee.org/document/9278983>;
8. **Claudia Tomozei**, Oana Irimia, Mirela Panainte Lehadus, Florin Nedeff, Public transport in Bacau City, Constructive and Technological Design Optimization in the machines Building Field, Conference Proceedings abstracts, OPROTEH, p. 37, 22 – 24 May 2019.

9. **Claudia Tomozei**, Oana Irimia, Mirela Panainte Lehadus, Florin Nedeff, Comparative study on water quality of Bistrita River (Romania) and Drava River (Slovenia and Croatia), The International Conferences Constructive and Technological Design Optimization in the machines Building Field, OPROTEH, p. 40, Bacau, June, 2018; <http://oproteh.ub.ro>;
10. **Claudia Tomozei**, Oana Irimia, Valentin Nedeff, Narcis Barsan, Mirela Panainte Lehadus, Alina Cochiorca, Application of Integrated Method for Water Quality Assessment of River Bistrita on the Section Piatra-Neamt - Bacau, The 6th International Conference Ecological & Environmental Chemistry, Chisinau, Republica Moldova, p. 65, March, 2017; www.eec-2017.mrda.md;
11. **Tomozei Claudia**, Nedeff Florin, Irimia Oana, Panainte Mirela, Shielding of noise using acoustic screens composed, The International Conferences Constructive and Technological Design Optimization in the machines Building Field, OPROTEH, p. 43, Bacau, June, 2016; <http://oproteh.ub.ro>;
12. Alina Petrovici, Jose Luis Cueto, Valentin Nedeff, **Claudia Tomozei**, The impact of the BSP strategies on the air and noise emissions in urban areas, The International Conferences Constructive and Technological Design Optimization in the machines Building Field, OPROTEH, p. 40, Bacau, June, 2016; <http://oproteh.ub.ro>;
13. Greta Ardeleanu, **Claudia Tomozei**, Oana Irimia, Mirela Panainte-Lehadus, Influence of pollution factors on River Bistrita between the sections Bacau – Neamt, 16th International Multidisciplinary Scientific GeoConference SGEM 2016, Conference Proceedings, book 3, vol. 2, p. 763-774, June 28 - July 6, 2016; ISBN 978-619-7105-62-9/ ISSN 1314-2704;
14. **Claudia Tomozei**, Florin Nedeff, Oana Irimia, Mirela Panainte-Lehadus, Sound attenuation of the acoustic wave propagation through a simple acoustic screen, EE&AE'2015 – VIth International Scientific Conference, Energy Efficiency and Agricultural Engineering, Angel Kanchev University of Ruse, p. 654-659, November 11 – 12, 2015;
15. Nedeff Florin, **Tomozei Claudia**, Lazar Gabriel, Risk relating an inappropriate phonic treatment of enclosures, Second International Conference on Natural and Anthropic Risks, ICNAR, Bacau, Romania, June 4-7, 2014;
16. Nedeff Florin, **Tomozei Claudia**, Lazar Gabriel, Sound Propagation in Enclosures, Malta International Conference of Arts and Sciences, 2014;
17. **Claudia Tomozei**, Florin Nedeff, Alina Petrovici (Contu), Oana (Tirtoaca) Irimia, Doina Capsa - The exterior noise impact on the activities developed in a teaching environment, Second International Conference on Natural and Anthropic Risks, ICNAR, Bacau, Romania, June 4-7, 2014;
18. Alina Petrovici (Contu), **Claudia Tomozei**, Florin Nedeff, Mirela Panainte-Lehadus - General aspects concerning the assessment of the urban road traffic noise, Second International Conference on Natural and Anthropic Risks, ICNAR, Bacau, Romania, June 4-7, 2014;
19. **Tomozei Claudia**, Nedeff Florin, Panainte Mirela, Mosnegutu Emilian, Irimia Oana - A mathematical model of the attenuation of sound pressure level transmitted by an acoustic screen, Conferinta Internationala Constructive and Technological Design Optimization in the machines Building Field, OPROTEH, Universitatea „Vasile Alecsandri” din Bacau, Facultatea de Inginerie, May 24, 2013;

20. Nedeff Florin Marian, **Tomozei Claudia**, Panainte Mirela, Lazar Gabriel, Noise maps for the industrial enclosures, EE&AE 2013, Engineering and Research for Agriculture Conference, Angel Kanchev University of Rousse, p. 299- 306, May 17-18, 2013;
21. **Tomozei Claudia**, Nedeff Valentin, Lazar Gabriel, Actual stage of industrial noise reduction, Conferinta Internationala OPROTEH 2011, Universitatea „Vasile Alecsandri” din Bacau, Facultatea de Inginerie, 24-26 mai 2011;
22. **Tomozei Claudia**, Nedeff Valentin, Lazar Gabriel, Studies and researches on reducing noise pollution in industry, Conferinta internationala Proceedings of the Scientific Student Session – SSS’11, University Angel Kanchev, Ruse, Bulgaria, May, 2011.

VII. Alte lucrări și contribuții științifice

II.1. Referate, prezentări și alte manifestări științifice susținute prin proiectul BRAIN

1. **Tomozei (Lazarescu) Claudia**, Referatul nr. 3 - Rezultate experimentale parțiale la tema „Studii și cercetări privind posibilitățile de reducere a poluării fonice din instalațiile industriale”, 28.02.2011, Universitatea „Vasile Alecsandri” din Bacău;
2. **Tomozei (Lazarescu) Claudia** - Sesiunea de comunicări științifice pentru diseminarea rezultatelor obținute de doctoranzi în cadrul programului doctoral "BURSE DOCTORALE - O INVESTIȚIE ÎN INTELIGENȚĂ (BRAIN)" - „Rezultate experimentale parțiale” – 28 februarie 2011, Universitatea „Vasile Alecsandri” din Bacău.
3. **Tomozei (Lazarescu) Claudia**, Referatul nr. 2 - Stabilirea bazei de cercetare a procesului de depoluare fonică, 21.09.2010, Universitatea „Vasile Alecsandri” din Bacău;
4. **Tomozei (Lazarescu) Claudia** – Sustinere a lucrării „Research on industrial noise” – în cadrul Departamentului de Energetică, Universitatea Politehnică din Torino, Italia, 18 mai 2010;
5. **Tomozei (Lazarescu) Claudia**, Referatul nr. 1 - Stadiul actual al cercetărilor privind depoluarea fonică, 23.02.2010, Universitatea „Vasile Alecsandri” din Bacău;
6. **Tomozei (Lazarescu) Claudia** - Sesiunea de comunicări științifice pentru diseminarea rezultatelor obținute de doctoranzi în cadrul programului doctoral "BURSE DOCTORALE - O INVESTIȚIE ÎN INTELIGENȚĂ (BRAIN)" - „Research on industrial noise - Torino Stage” – 31 august 2010, Universitatea „Vasile Alecsandri” din Bacău.

II.2. Participări la expoziții în domeniu

1. Florin Nedeff, **Tomozei Claudia**, Gabriel Lazar, Alina Petrovici (Contu), poster: “The influence of enclosure geometry on sound distribution in teaching spaces”, Mediterranean Conference for Academic Disciplines, Valletta, Malta, 2 - 6 March 2014.
2. **Tomozei Claudia**, Nedeff Valentin, Panainte Mirela; poster: Experimenting rigid and elastic clamping methods of acoustic screens, First International Conference on Moldavian Risks – From Global to Local Scale, 2012, Bacau, Romania, ISBN 978-606-527-201-9.
3. **Tomozei Claudia**, Nedeff Valentin - poster “Determinarea puterii acustice a unei surse de zgomot industriale”, ExpoMediu – Centrul de Afaceri și Expoziții, Central Plaza Bacau, 8-11 martie 2012.

4. **Tomozei (Lazarescu) Claudia**, Nedeff Valentin, Barsan Narcis - poster "Studii și cercetări privind posibilitățile de reducere a poluării fonice din instalațiile industriale", ExpoTehnica – Salonul regional al cercetării, Central Plaza Bacău, 7-9 iulie 2011.

II.3. Contracte de cercetare științifică

1. „Partnership for Applied Training in Entrepreneurship and Innovation at „Vasile Alecsandri” University of Bacau”, Acronim: PATH2EI@UBc; Valoarea contractului de sponsorizare: 61.900 lei, Director de proiect: Ioana Pleșcău; Număr membri în echipa proiectului: 21 + director proiect; Perioada de implementare: Decembrie 2025 - Mai 2026
2. EduShift: Pedagogie digitală pentru cadrele didactice din învățământul preuniversitar, Cod proiect: ID_10, Beneficiar: Universitatea Vasile Alecsandri din Bacău, 43.460.780,60 lei, membru
3. iEnterprise@UBc 2.0 - „Mentalitate antreprenorială, inovare sustenabilă, incluziune și interdisciplinaritate: premise pentru consolidarea ecosistemului antreprenorial competitiv la Universitatea „Vasile Alecsandri” din Bacău”, Valoarea proiectului: total = 278.000 lei, Director de proiect: Ioana Pleșcău, Număr membri: 31 + director proiect (32 membri), aprilie - decembrie 2025.
4. Contract nr. 8.330/03.10.2024; Titlu proiect Cooperare bilaterală pentru o colaborare pe termen lung, Finantator: EEA and Norway Grants in Romania, Fonduri pentru relații bilaterale Valoarea totala a proiectului: 54.150 euro, din care fonduri SEE 46.027 euro+cofinantare 8.123 euro, 15 membri in echipa proiectului, director proiect: Irimia Oana, perioada de implementare octombrie 2024 - februarie 2025.
5. CNFIS-FDI-2024-F-0492, Acțiuni integrate pentru creșterea calității procesului de cercetare științifică la Universitatea „Vasile Alecsandri” din Bacău (acronim UBc4Research), 50 membri, aprilie – decembrie 2024, 200.000 lei, finanțare Ubc, membru;
6. Contract nr. 3/2023, Determinarea compoziției deșeurilor menajere reziduale și reciclabile, similare și din piețe și a deșeurilor biodegradabile la nivelul județului Bacău - Raport de activitate la protocol de colaborare 4259/24.03.2023; 1. Asociația de dezvoltare Intercomunitară pentru Salubritate Bacău; 2. S.C. Compania Romprest Service S.A.; 2 luni; valoare contract 0 lei; membru;
7. Contract nr. 4/2023, Determinarea compoziției deșeurilor reziduale, biodegradabile și a deșeurilor reciclabile la nivelul zonei ISPA (municipiul Bacău și 22 de comune limitrofe) din județul Bacău; 1. Asociația de dezvoltare Intercomunitară pentru Salubritate Bacău 2. S.C. SOMA S.R.L.; 2 luni; valoare contract 22745 lei; membru;
8. Contract nr. 120/30.03.2022, Lector formator curs ergonomist in cadrul proiectului POCU/726/6/12/135190 - Progres prin Educație Asociația Ecoforest Neamț, 2 luni, membru;
9. Contract nr. 1/2022, Cercetări de laborator și industriale în vederea tratării apelor uzate și a nămolurilor rezultate din epurare; 8 luni; valoare contract 30000 lei , membru;
10. Contract nr. 1/2021, Cercetări cu privire la posibilitățile de epurare a apelor uzate, tratare a apelor în vederea consumului și tratare a nămolurilor; 8 luni, valoare contract 27500 lei; membru;

11. Proiect CNFIS-FDI-0574, Facultatea de Inginerie, Infrastructură modernă și digitalizată pentru pregătirea practică a studenților UBc; 2021; membru;
12. Contract nr. 1/2020, Cercetări specifice domeniului tratării apelor, apelor uzate și nămolurilor de epurare; 3 luni/3200 lună; 4 luni/2500 lună; valoare contract 19600 lei; membru;
13. Contract nr. 1/2019, Cercetări în vederea implementării de procedee și tehnici de laborator și industriale în vederea epurării apelor uzate și tratării nămolurilor; 12 luni; valoare contract 22400 lei; membru;
14. Contract nr. 1/2018, Cercetări aplicative cu privire la epurarea apelor uzate și tratarea nămolurilor; 7 luni; valoare contract 22400 lei; membru;
15. Contract nr. 2/2017, Aplicarea unor cercetări de laborator în vederea tratării nămolurilor de epurare; valoare contract 9400 lei; membru;
16. Contract nr. 1/2017, Aplicarea cercetărilor de laborator în vederea epurării apelor uzate și tratării nămolurilor; 11 luni; valoare contract 27500 lei; membru;
17. Contract nr. 8/2016, Culegere de date de trafic pentru elaborarea planului de mobilitate urbană durabilă, Bacău; SC SEARCH CORPORATION SRL; valoare contract 6000 euro; 27012 lei; membru;
18. Contract nr. 7/2016, Cercetări de laborator cu privire la epurarea apelor uzate și tratarea nămolurilor; 7 luni; valoare contract 13650 lei; membru;
19. Contract nr. 6/2016, Evaluarea în laborator a posibilităților de tratare a nămolurilor de epurare; valoare contract 1.950 lei; membru;
20. Contract nr. 5/2016, Studii cu privire la epurarea apelor uzate; valoare contract 1.950 lei; membru;
21. Contract nr. 4/2016, Analiza posibilităților de epurare a unor ape uzate industriale; valoare contract 1.950 lei; membru;
22. Contract nr. 2/2016, Cercetări asupra epurării apelor uzate din industria alimentară, membru, valoare contract 1.950 lei;
23. Contract nr. 1/2016, Cercetări de laborator cu privire la epurarea apelor uzate industriale folosind floculanți organici; valoare contract 1.950 lei; membru;
24. Contract nr. 20/2015, Cercetări cu privire la tratarea chimică a unor ape uzate industriale; valoare contract 1.950 lei; membru;
25. Contract nr. 19/2015, Studii cu privire la epurarea chimică a unor ape uzate rezultate din industria petrolieră; valoare contract 1.950 lei; membru;
26. Contract nr. 18/2015, Cercetări cu privire la epurarea chimică a apelor uzate rezultate industriale cu S.C. ECO Sistem Proiect S.R.L. Bacău; valoare contract 1.950 lei; membru;
27. Contract nr. 17/2015, Studiu privind determinarea noxelor profesionale specifice locului de muncă din cadrul SC NADENKA SR, punct de lucru str. 9 mai, Bacău; valoare contract 500 lei; membru;
28. Contract nr. 16/2015, Studii cu privire la epurarea chimică a apelor uzate rezultate din industria textile; valoare contract 1.950 lei; membru;
29. Contract nr. 15/2015, Studiu impact privind apele subterane la cele două puțuri de foraj aflate pe amplasamentul SC Stemar Vaslui, 15-2015; valoare contract 2000 lei; membru;
30. Contract nr. 14/2015, Cercetări privind aplicarea procesului de coagulare și floculare în epurarea apelor uzate cu S.C. ECO Sistem Proiect S.R.L. Bacău; valoare contract 1.950 lei; membru;

31. Contract nr. 12/2015, Cercetări privind tratarea nămolurilor cu S.C. ECO Sistem Proiect S.R.L. Bacău, valoare contract 1.950 lei; membru;
32. Contract nr. 9/2015, Cercetări industriale cu privire la folosirea floculanților organici pentru epurarea apelor uzate industriale cu specific petrolier cu S.C. ECO Sistem Proiect S.R.L. Bacău; valoare contract 1.950 lei; membru;
33. Contract nr. 8/2015, Studii și cercetări cu privire la posibilitățile de tratare chimică a apelor uzate cu S.C. ECO Sistem Proiect S.R.L. Bacău; valoare contract 1.950 lei; membru;
34. Contract nr. 6/2015, Studii și cercetări privind tratarea nămolurilor de epurare folosind floculanți organici cu S.C. ECO Sistem Proiect S.R.L. Bacău; valoare contract 1.950 lei; membru;
35. Contract de cercetare nr. 4/20.03.2015 cu SC ECO SISTEM PROIECT SRL Bacău, Studii și cercetări privind epurarea apelor uzate cu specific petrolier; Valentin Nedeff, Mirela Panainte Lehadus, Emilian Mosnegutu, Narcis Barsan, **Claudia Tomozei**, Dana Chitimus, Oana Irimia, Florin Marian Nedeff; valoare contract 1950 lei; membru;
36. Contract de cercetare nr. 3/ 16.02.2015 cu SC Romconstructor SA Bacău, Studii și cercetări privind evaluarea impactului asupra mediului la SC Romconstructor SA Bacău; 16.02.2015; Mirela Panainte Lehadus, Emilian Mosnegutu, **Claudia Tomozei**, Oana Irimia, Alina Petrovici, Florin Marian Nedeff, Mihaela Dascalu; valoare contract 2.000 lei; membru;
37. Contract de cercetare cu SC ECO Sistem Proiect S.R.L. Bacău, Studii și cercetări privind epurarea apelor uzate și a nămolurilor de epurare; 2014; valoare contract 20000 lei; membru;
38. Contract nr POSDRU/160/2.1/S/133020. Creșterea capacității de integrare pe piața muncii a studenților și absolvenților prin consiliere și plasamente practice” 2007-2013, consilier termen scurt; membru;
39. Contract nr. 10/2013, Contract de servicii de consultanță în domeniul inovării, - ROMCHIM PROTECT S.A. Bacău; Valentin Nedeff, Mirela Panainte, Narcis Barsan, **Claudia Tomozei**, Dana Chitimus, Florin Marian Nedeff; valoare contract 11346 lei; membru;
40. Contract de cercetare industrială, nr. 313/01.10.2012, Contract de servicii de consultanță în domeniul inovării, - ROMCHIM PROTECT S.A. Bacău; Mosnegutu Emilian, Nedeff Valentin, Panainte Mirela, Barsan Narcis, Chitimus Dana, **Tomozei Claudia**; membru;
41. Contract nr. 2/2009, Cercetări privind modul de încadrare a emisiilor de noxe și zgomot provenite de la Stația de betoane ERUMECAR, model EMA – 12042 în perioada probelor de punere în funcțiune și stabilirea eventualelor măsuri necesare, efectuarea măsurătorilor de zgomot și noxe la limita incintei S.C. Rustrans S.R.L.; membru.

II.4. Membru în comitete de organizare

- 1.** The 20th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2025, 21 - 23 MAY, Faculty of Engineering, Bacău;
- 2.** Constructive and Technological Design Optimization in the machines Building Field, Conference Proceedings abstracts, Oproteh 2023, May 11-13, 2023;

- 3.** Sesiunea națională de comunicări științifice studentești „Ingineria – profesia viitorului”, Ediția a VII-a, mai 2024, Universitatea „Vasile Alecsandri” din Bacău, Facultatea de Inginerie;
- 4.** Sesiunea națională Sesiunea națională de comunicări științifice studentești „Ingineria – profesia viitorului”, Ediția a VI-a, mai 2023, Universitatea „Vasile Alecsandri” din Bacău, Facultatea de Inginerie;
- 5.** Sesiunea națională de comunicări științifice studentești „Ingineria – profesia viitorului”, Ediția a V-a, si Workshop-ul educațional “Un pas spre viitor. Ingineria - o cariera de succes”, Ediția a VII-a, mai 2022, Universitatea „Vasile Alecsandri” din Bacău, Facultatea de Inginerie;
- 6.** Sesiunea națională de comunicări științifice studentești „Ingineria – profesia viitorului”, Ediția IV, si Workshop-ul educațional “Un pas spre viitor. Ingineria - o cariera de succes”, Ediția a VI-a, mai 2021, Universitatea „Vasile Alecsandri” din Bacău, Facultatea de Inginerie;
- 7.** Sesiunea națională de comunicări științifice studentești „Ingineria – profesia viitorului”, Ediția III, si Workshop-ul educațional “Un pas spre viitor. Ingineria - o cariera de succes”, Ediția a V-a, iunie 2019, Universitatea „Vasile Alecsandri” din Bacău, Facultatea de Inginerie;
- 8.** Sesiunea națională de comunicări științifice studentești „Ingineria – profesia viitorului”, Ediția II, si Workshop-ul educațional “Un pas spre viitor. Ingineria - o cariera de succes”, Ediția a IV-a, iunie 2018, Universitatea „Vasile Alecsandri” din Bacău, Facultatea de Inginerie;
- 9.** Sesiunea națională de comunicări științifice studentești „Ingineria – profesia viitorului”, Ediția I, si Workshop-ul educațional “Un pas spre viitor. Ingineria - o cariera de succes”, Ediția a III-a, 27-29 noiembrie 2017, Universitatea „Vasile Alecsandri” din Bacău, Facultatea de Inginerie;
- 10.** Scientific Communications session for the students of “Vasile Alecsandri” University of Bacau, SCSUVAB, 7 May 2014.
- 11.** Scientific Communications session for the students of “Vasile Alecsandri” University of Bacau, SCSUVAB, 15 May 2013.
- 12.** Scientific Communications session for the students of “Vasile Alecsandri” University of Bacau, SCSUVAB, 17 May 2012.
- 13.** Comitetul de organizare al Conferinței Internaționale Constructive and Technological Design Optimization in the machines Building Field, OPROTEH, 2013.
- 14.** First International Conference on MOLDAVIAN RISKS – FROM GLOBAL TO LOCAL SCALE, 16-19 May 2012, Bacau, Romania.
- 15.** Echipa editorială a revistei Journal of Engineering Studies and Research din 2013.

30.01.2026

Conf. univ. dr. ing. habil. Tomozei Claudia Manuela