



UNIVERSITATEA „VASILE ALECSANDRI” din BACAU

Facultatea de Inginerie

Calea Marasesti, Nr. 157, Bacau, 600115, Tel./Fax +40 234 580170

<http://inginerie.ub.ro>; e-mail: [decaning@ub.ro](mailto:decaning@ub.ro)



## LISTA LUCRĂRILOR PUBLICATE

Conf. dr. ing. Tomozei Claudia

### I. Lista lucrărilor considerate relevante pentru realizările profesionale proprii

1. Przydatek Grzegorz, Ryniewicz Andrzej, Irimia Oana, **Tomozei Claudia**, Mosnegutu Emilian, Bodziony Marcin, Analysis of noise levels in typical passenger cars, Sustainability, vol. 15, no, 10, 7910, FI 3,9; eISSN 2071-1050; DOI10.3390/su15107910; WOS:000996837100001;
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4. 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;
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6. 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;
7. **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;

8. **Claudia Tomozei**, Arianna Astolfi, Valentin Nedeff, Gabriel Lazar, Noise sources characterization inside and outside a factory, Environmental Engineering and Management Journal, vol. 11, no. 3, p. 701-708; 2012; FI 0,858; DOI:10.30638/eemj.2012.089; WOS:000304498900031.
9. **Claudia Tomozei**, Florin Nedeff, Gigel Paraschiv, Oana Irimia, Greta Ardeleanu, Alina Conțu Petrovici, Mathematical modelling of sound pressure level attenuation transmitted by an acoustic screen in industrial environment, Environmental Engineering and Management Journal, vol. 13, no. 7, p. 1743-1749; 2014; DOI:10.30638/eemj.2014.194; WOS:000344577400024.
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## **II. Teza de doctorat**

1. *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. 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.;
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 și 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 și a altor compusi gazoși, vol. 1, Editura Alma Mater Bacau, 2018, ISBN 978-606-527-593-5;
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5. Valentin Nedeff, Chitimus Alexandra-Dana, Mosnegutu Emilian, Panainte Lehadus Mirela, **Claudia Tomozei**, Irimia Oana, Barsan Narcis, Nedeff Florin Marian, Proceduri de lucru pentru analiza solului și a altor materiale, vol. 1, Editura Alma Mater Bacau, 2017, ISBN 978-606-527-582-9;

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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.

#### **IV. Articole/studii în extenso, publicate în reviste din fluxul științific internațional principal**

##### **IV.1. Lucrări publicate în reviste cotate ISI**

1. Zaharia Andrei, Nedeff Valentin, Lopez-Ramirez Juan A., Mosnegutu, Emilian, Barsan, Narcis, Lehadus-Panainte Mirela, Krzysztof Jamroziak, 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;
2. Przydatek Grzegorz, Ryniewicz Andrzej, Irimia Oana, Tomozei Claudia, Mosnegutu Emilian, Bodziony Marcin, Analysis of noise levels in typical passenger cars, *Sustainability*, vol. 15, no. 10, 7910, FI 3,9; eISSN 2071-1050; DOI10.3390/su15107910; WOS:000996837100001;
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4. 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;
5. Constantin Plăcintă, Sergiu Stanciu, Mirela Panainte-Lehadus, Emilian Mosnegutu, Florin Nedeff, Valentin Nedeff, **Claudia Tomozei**, Tudor-Cristian Petrescu, Maricel Agop, Theoretical and experimental designs on several mechanical properties of CuAlZn shape memory alloys used in the process industry, *Materials*, vol. 16, no. 4, 1441, 2023; FI 3,748; <https://doi.org/10.3390/ma16041441>; WOS:000940069700001;
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7. Emilian Moșneguțu, **Claudia Tomozei**, Mirela Panainte-Lehadus, Dana Chitimus, Oana Irimia, Geometric calculation of the influence of an oscillating sieve's actuation mechanism position on its motion, *Processes*, vol. 10, no. 9, p. 1760; 2022; FI 3,328; <https://doi.org/10.3390/pr10091760>; WOS:000857647700001;

8. Mirela Panainte-Lehăduş, Emilian Moşneguţu, Narcis Bârsan, Gabriela Andrioai, **Claudia Tomozei**, Oana Irimia, *Mathematical perspectives in the variable texture products cutting process*, *Processes*, vol. 10, no. 8, 1603, 2022; FI 3,328; <https://doi.org/10.3390/pr10081603>; WOS:000845796500001;
9. Mirela Panainte-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;
10. Mosnegutu Emilian, Panainte-Lehadus Mirela, Nedeff Valentin, **Tomozei Claudia**, Barsan, Narcis, Chitimus Dana, Jasinski Marcin, *Extraction of mathematical correlations applied in the aerodynamic separation of solid particles*, *Processes* **2022**, 10, 1234; ISSN: 2227-9717; FI 3,352; <https://doi.org/10.3390/pr10071234>; WOS:000832223400001;
11. 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;
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13. 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;
14. 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;
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17. 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/](https://www.prt-parlar.de/download_feb_2021/); WOS:000629181400044;
18. Mosnegutu Emilian Florin, Panainte-Lehăduş 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;
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  20. 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. 70, no. 11, p. 4035-4039, 2019; FI 0; <https://doi.org/10.37358/RC.70.19.11.7697>; WOS:000503185300054;
  21. 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;
  22. 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;
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a mining area, Scientific Study & Research, Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 19, no. 4, p. 455 – 463, 2018, FI 0; <https://pubs.ub.ro/?pg=revues&rev=csc6&num=201804&vol=4&aid=4800>; WOS:000452211700009;

28. 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;
29. 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;
30. **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, vol. 15, no. 3, p. 545-552; 2016; DOI: 10.30638/eemj.2016.059; WOS:000376876400008;
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33. Mangenda, HH; Kunyima, KC; Nedeff Valentin, Capsa Doina, Felegeanu Catalin; **Tomozei Claudia**, Potential environmental impacts of geo-materials exploitation in the City of Kinshasa, Democratic Republic of Congo, Environmental Engineering and Management Journal, vol. 13, no. 7, p. 1605-1609, 2014, FI 0,858; DOI:10.30638/eemj.2014.178; WOS:000344577400008;
34. Oana Tirtoaca Irimia, **Claudia Tomozei**, Mirela Panainte, Emilian Florin Mosnegutu, Narcis Barsan, Efficiency of filters with different filtering materials: comparative study in water treatment, Environmental Engineering and Management Journal, vol. 12, no. 1, p. 35 – 40; 2013; FI 0,858; DOI:10.30638/eemj.2013.005; WOS:000317803300005;
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#### **IV.2. Lucrări publicate în proceeding cotat ISI**

1. Iosif Ioja, **Claudia Tomozei**, Valentin Nedeff, Emilian Mosnegutu, Mirela Panainte-Lehadus, Oana Irimia, Narcis Barsan, Dana Chitimus, Studies and research on the

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2. **Tomozei Claudia**, Panainte-Lehadus Mirela, Irimia Oana, Nedeff Florin, Public transport in Bacau City, 2020, 7th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2020 – Proceedings, 978-172810362-4, 12 November 2020; Article number 9279088; <https://ieeexplore.ieee.org/document/9279088>. 10.1109/EEAE49144.2020.9279088; ISBN: 978-1-7281-0362-4; WOS:000659299700127;
  3. 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, 7th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2020 – Proceedings, 978-172810362-4, 12 November 2020, Article number 20279211, <https://ieeexplore.ieee.org/document/9278983>; WOS:000659299700025; 10.1109/EEAE49144.2020.9278983;
  4. Zichil Valentin, Coseru A., Nedeff Florin, **Tomozei Claudia**, Considerations on stress triaxiality variation for 2P armor steel, Innovative Ideas in Science 2016 IOP Publishing IOP Conf. Series: Materials Science and Engineering, vol. 200, no. 1, 2017, 012066 doi:10.1088/1757-899X/200/1/012066; WOS:000419288800066;
  5. **Claudia Tomozei**, Oana Irimia, Nedeff Valentin, Mirela Panainte-Lehadus, Measurement of the noise level of the tailors, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, SGEM 2017 Conference Proceedings, issue 51, vol. 17, p. 635-652, 2017; ISBN 978-619-7408-08-9/ ISSN 1314-2704; <http://www.sgem.org/>;
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  8. 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, 2016; ISBN 978-619-7105-62-9/ ISSN 1314-2704; <http://www.sgem.org/>; WOS:000391653500100;
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