



UNIVERSITATEA "VASILE ALECSANDRI" din BACĂU
FACULTATEA DE INGINERIE
Calea Mărășești, Nr. 157, Bacău, 600115, Tel./Fax +40 234
580170
<http://inginerie.ub.ro>, decaning@ub.ro



LISTA LUCRĂRILOR PUBLICATE

conf. dr. ing. Mirela PANAINTE-LEHĂDUȘ

I. Lista celor 10 lucrări considerate relevante

1. **Panainte Mirela**, Vassilis Inglezakis, Iuliana Caraman, Mihai C Nicolescu, Emilian Mosneguțu, Florin Nedeff - The evolution of eco-labeled products in Romania Environmental Engineering and Management Journal, 1582-9596 Volume 13, Issue 7, 2014, Pages 1665-1671, 10.30638/eemj.2014.184, WOS:000344577400014.
2. Mosnegutu Emilian Florin, **Panainte-Lehăduș Mirela**, Nedeff Florin, Tirtoaca (Irimia) Oana, Tomozei Claudia, Waste management evaluation in the context of sustainable development. Case study Vasile Alecsandri University of Bacau, International Journal Of Conservation Science, ISSN: 2067-533X, January-March 2020, 11, No. 1, p. 179-188, WOS:000520030000017.
3. Mosnegutu Emilian, **Panainte-Lehadus Mirela**, Nedeff Valentin, Tomozei Claudia, Barsan Narcis, Chitimus Dana and Jasinski Marcin, Extraction of mathematical correlations applied in the aerodynamic separation of solid particles, Processes, vol. 10, no. 7, 2022, 1234, 10.3390/pr10071234, WOS:000832223400001.
4. **Panainte-Lehadus Mirela**; Vulpe Mihai; Nedeff Valentin; **Mosnegutu Emilian**; Przydatek Grzegorz; Tomozei Claudia; Chitimus Dana, Study on the Method of Household Waste Collection: Case Study, Applied Sciences, 2022, vol. 12, no. 15, 2022, 7490, 10.3390/app12157490, WOS:000838899700001.
5. **Panainte-Lehăduș Mirela**, Mosnegutu Emilian, Bârsan Narcis, Andrioai Gabriela, Tomozei Claudia and Irimia Oana, Mathematical perspectives in the variable texture products cutting, Processes, 2022 vol. 10, no. 8, 1603, 10.3390/pr10081603, WOS:000845796500001.
6. Mosnegutu Emilian, Tomozei Claudia, **Panainte-Lehădușu Mirela**, Chițimuş Dana and Irimia Oana, Geometric calculation of the influence of an oscillating sieve's actuation mechanism position on its motion, Processes, 2022, vol. 10, no. 9, 1760, 10.3390/pr10091760, WOS:000857647700001.
7. Irimia, O., **Panaite-Lehadus, M.**, Tomozei, C., Mosnegutu, E., Przydatek, G., Origin-Destination Traffic Survey-Case Study: Data Analyse for Bacau Municipality, Sustainability, vol. 15, no. 6, 2023, 4975, 10.3390/su15064975, WOS:000967792200001
8. Goldan Elena; Nedeff Valentin; Barsan Narcis; Culea Mihaela; **Panainte-Lehadus Mirela**; Mosnegutu E milian; Tomozei Claudia; Chitimus Dana; Irimia Oana, Assessment of Manure Compost Used as Soil Amendment—A Review, Process, Volume11, Issue 4, 2023, DOI 10.3390/pr11041167.
9. Placinta, C., Stanciu, S., **Panainte-Lehadus, M.**, Mosnegutu, E., Nedeff, F., Nedeff, V., Tomozei, C., Petrescu, T.C., Agop, M., Theoretical and Experimental Designs on Several Mechanical Properties of Cu-Al-Zn Shape Memory Alloys Used in the Processing Industry, Materials, 2023, vol. 16, no. 4, 1441, 10.3390/ma16041441, 36837071, WOS:000940069700001.
10. Mariana Lupu, Valentin Nedeff, **Mirela Panainte-Lehadus**, Emilian Mosnegutu, Claudia Tomozei, Dana Chitimus, Dragos-Ioan Rusu, The Textural and Physical Characteristics of Red Radishes Based on a Puncture Test, Processes 2024, 12, 282. <https://doi.org/10.3390/pr12020282>

II. Teză de doctorat

Cercetări privind optimizarea procesului de mărunțire a produselor agroalimentare, Domeniul: Inginerie Mecanică, Facultatea de Mecanică, Universitatea Tehnică „Gh. Asachi” din Iași.

III. Brevete de invenție și alte titluri de proprietate industrială

IV. Cărți și capitole din cărți

1. Nedeff Valentin (coord.), Chițimuş Dana, Luminița Bibire, Panainte-Lehăduş Mirela, Tomozei Claudia, Nedeff Florin, Paul – Claudiu Cotârleş, Ergonomie, Alma Mater, 2021, ISBN 978-606-527-590-4
2. Nedeff Valentin (coord.), Bârsan Narcis, Chițimuş Dana, Irimia Oana, Moşneguţu Emilian, Panainte-Lehăduş Mirela, Tomozei Claudia, Nedeff Florin, Proceduri de lucru pentru analiza calităţii apelor și a altor compuși lichizi, Alma Mater, 2018, ISBN 978-606-527-589-8, 2018
3. Nedeff Valentin (coord.), Tomozei Claudia, Panainte-Lehăduş Mirela, Irimia Oana, Bârsan Narcis, Nedeff Florin, Chițimuş Dana, Moşneguţu Emilian, Proceduri de lucru pentru analiza calităţii aerului și a altor compuși gazoși, Alma Mater, 2018, ISBN 978-606-527-593-5, 2018
4. Nedeff Valentin (coord.), Chițimuş Dana, Moşneguţu Emilian, Panainte-Lehăduş Mirela, Tomozei Claudia, Irimia Oana, Bârsan Narcis, Nedeff Florin, Proceduri de lucru pentru analiza solului și a altor materiale, vol 1, Alma Mater, 2017, ISBN 978-606-527-582-9, vol 1, 2017
5. Nedeff Valentin (coord.), Chițimuş Dana, Moşneguţu Emilian, Panainte-Lehăduş Mirela, Tomozei Claudia, Irimia Oana, Bârsan Narcis, Nedeff Florin, Proceduri de lucru pentru analiza solului și a altor materiale, vol 2, Alma Mater, 2017, ISBN 978-606-527-581-2, vol 2, 2017
6. Oana Țârtoacă Irimia, **Mirela Panainte**, Gabriel Lazăr, Valentin Nedeff (coordonator), Potabilizarea apelor. Procedee și tehnici de filtrare, Ed. Alma Mater Bacău, 2014
7. Claudia Tomozei, **Mirela Panainte**, Gabriel Lazăr, Valentin Nedeff (coordonator), Reducerea poluării fonice în mediul industrial, Ed. Alma Mater Bacău, 2014
8. **Mirela Panainte**, Valentin Nedeff, Bogdan Constantin Macarescu, Emilian Moşneguţu – Bazele ingineriei mediului, Colecția Științe Inginerești, Note de curs, Îndrumar de laborator, Ed. Alma Mater, ISBN 978-973-1833-01-9, Bacău, 2007; pg. 169
9. **Mirela Panainte**, Valentin Nedeff, Bogdan Constantin Macarescu, Emilian Moşneguţu – Studiul impactului ecologic, Colecția Științe Inginerești, Note de curs, Îndrumar de laborator, Ed. Alma Mater, ISBN 978-973-1833-02-6, Bacău, 2007; pg. 387
10. **Mirela Panainte**, Valentin Nedeff, Bogdan Constantin Macarescu, Emilian Moşneguţu – Auditul de mediu, Colecția Științe Inginerești, Note de curs, Caiet de seminar, Ed. Alma Mater, ISBN 978-973-1833-00-2, Bacău, 2007; pg. 272
11. Moşneguţu Emilian, **Panainte Mirela**, Savin Carmen, Măcărescu Bogdan și Nedeff Valentin (coordonator) – Separarea amestecurilor de particule solide în curenți de aer verticali, Ed. Alma Mater Bacău, Bacău, 2007, ISBN 978-973-1833-57-6; pag. .257
12. Savin Carmen, **Panainte Mirela**, Moşneguţu Emilian și Nedeff Valentin (coordonator) – Amestecarea produselor agroalimentare, Ed. Tehnopress, Iași, 2006, ISBN (10) 973-702-397-8; ISBN (13) 987-973-702-397-1; 315 pagini
13. Bogdan Constantin Macarescu, Valentin Nedeff, **Mirela Panainte**, Emilian Moşneguţu – Legislație, reglementări și standarde de protecția mediului, vol. I, Ed. Performantica, ISBN 973-730-212-5, ISBN 973-730-213-3, Iași, 2006, 173 pagini
14. Bogdan Constantin Macarescu, Valentin Nedeff, **Mirela Panainte**, Emilian Moşneguţu – Legislație, reglementări și standarde de protecția mediului, vol. I, Ed. Performantica, ISBN 973-730-212-5, ISBN 973-730-214-1, Iași, 2006, 207 pagini
15. **Panainte Mirela**, Moşneguţu Emilian, Savin Carmen, Nedeff Valentin (coordonator) – Mărunțirea produselor agroalimentare, Ed. Meronia ISBN 973-8200-88-1, Ed. Rovimed Publishers ISBN 973-7719-39-5, Bacău, 2005 – 274 pagini
16. Ciobanu D., Nedeff V., Ciobanu R., Popa S., **Panainte M.**, Savin C. – Surse și factori de poluare chimici în diferite medii industriale. Depoluare prin valorificare, Editura Tehnica – Info, Chișinău, 2002, 327 pagini, responsabil capitolul VII – 31 pagini

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

IV.1. Lucrări publicate în reviste cotate ISI

1. **Mirela Panainte**, Nedeff Valentin, Bogdan Macarescu, Emilian Mosnegutu, Claudia Tomozei – Studies and research on the environmental impact of noise created by a work station for producing concrete, *Metalurgia International*, 2009, no. 11, vol. XIV, pp. 73 – 76, ISSN 1582-2214, WOS:000270962400015
2. Nedeff, V., Mosnegutu, E., Panainte, M., Savin, C., Macarescu, B., Study of a solid particle behaviour in a vertical ascending airflow, *Revista De Chimie*, vol. 58, no. 12, 2007, pp. 1285-1290, WOS:000252496200025
3. Nedeff, V., Mosnegutu, E., Panainte, M., Savin, C., Macarescu, B., Researches concerning the aerodynamic sorting of solid particles according to the surface states, *Revista De Chimie*, vol. 59, no. 3, 2008, pp. 360-365, WOS:000255966000022

4. Zichil, Valentin; Panainte, Mirela; Nedeff, Valentine; Mosnegutu, Emilian; Savin, Carmen; Macarescu, Bogdan; Olaru, Ciprian, Considerations about a new method able to determine the breaking up energy at materials with variable texture, METALURGIA INTERNATIONAL, 2009, vol. 14, nr. 6, pag. 15-20, WOS:000265002600003
5. Panainte, Mirela; Valentin, Nedeff; Carol, Schnakovszky; Emilian, Mosnegutu, Theoretical study regarding the possibility to determination the grinding energy to products with variable texture, METALURGIA INTERNATIONAL, 2009, vol. 14, nr. 1, pag. 62-67, WOS:000263374100011
6. Macarescu, B., Nedeff, V., Capat, C., Panainte, M., Mosnegutu, E., Savin, C., Studies and research regarding efficiency improvement of the district heating system and heat supply in an urban agglomeration in Romania. Study case for the chp plant in BACAU, Metalurgia International, vol. 15, no. 10, 2010, pp. 96-102, WOS:000278729300020
7. Barsan, N., Nedeff, V., Mosnegutu, E.F., Panainte, M., Heat balance components of a small sequencing batch reactor applied for municipal wastewater treatment, Environmental Engineering and Management Journal, vol. 11, no. 12, 2012, pp. 2133-2140, 10.30638/eemj.2012.265, WOS:000314169000003
8. Chitimus, A.D., Nedeff, V., Mosnegutu, E.F., Panainte, M., In situ soil flushing - studies on remediation efficiency of polluted sandy soils with organic acids, Environmental Engineering and Management Journal, vol. 11, no. 12, 2012, pp. 2163-2168, 10.30638/eemj.2012.269, WOS:000314169000007
9. M. Vasilica, D. Capsa, I. Covaci, V. Nedeff, N. Barsan, M. Panainte, A case study on heavy Rainfall in the Central-Southern Moldavia Region, Romania, Environmental Engineering and Management Journal, (2012) 1, vol. 11, no. 12, 2151-2158 WOS:000314169000005
10. Valentin Nedeff, Emilian Moşneguţu, Mirela Panainte, Mihail Ristea, Gabriel Lazăr, Dan Scurtu, Bogdan Ciobanu, Adrian Timofte, Ştefan Toma, Maricel Agop, Dynamics in the boundary layer of a flat particle, Powder Technology, vol. 221, May 2012, pag. 312–317, 10.1016/j.powtec.2012.01.019, WOS:000303222300040
11. Turcu, M., Nedeff, V., Barsan, N., Mosnegutu, E.F., Panainte, M., Application of organic flocculants for the treatment of sludge from municipal wastewater treatment plants, Environmental Engineering and Management Journal, vol. 12, no. 1, 2013, pp. 163-166, 10.30638/eemj.2013.018, WOS:000317803300018
12. Stanila, M.I., Nedeff, V., Chitimus, D., Panainte, M., Mosnegutu, E.F., Optimization of a Mixed Cycle Gas Turbine Titan 130s Type Operating under Partial Loads, Environmental Engineering and Management Journal, vol. 12, no. 1, 2013, pp. 115-124., 10.30638/eemj.2013.014, WOS:000317803300014
13. Bontas, O., Nedeff, V., Mosnegutu, E.F., Panainte, M., Irimia, O.T., Behaviour of solid particles on a flat oscillating surface, Environmental Engineering and Management Journal, vol. 12, no. 1, 2013, pp. 17-22, 10.30638/eemj.2013.003, WOS:000317803300003
14. Irimia, O.T., Tomozei, C., Panainte, M., Mosnegutu, E.F., Barsan, N., Efficiency of filters with different filtering materials: comparative study in water treatment, Environmental Engineering and Management Journal, vol. 12, no. 1, 2013, pp. 35-39, 10.30638/eemj.2013.005, WOS:000317803300005
15. Doina Capsa, Mirela Panainte, Dana Chitimus, Marius Stanila, Daniel-Catalin Felegeanu, Accidental pollution with ammonia. Influence of meteorological factors , Environmental Engineering and Management Journal, 2014, vol. 13, no. 7, pp. 1573-1580, WOS:000344577400004
16. Mirela Panainte, Iuliana Caraman, Valentin Nedeff, Vassilis Inglezakis, Christos Venetis, Philipos Coutsikos, Gabriel Lazar, Narcis Barsan - Green market: a comparative study in Romania, FRESNIUS ENVIRONMENTAL BULLETIN, 2014, vol. 23, no. 11, pp. 2870-2875 WOS:000349805500013
17. Radu, M. , Nedeff, V., Nicolescu, M.C., Danu, M., Panainte-Lehăduş, M., Stănilă, M., Schnakovszky, C - Study on the separation of purge gases from ammonia plant Environmental Engineering and Management Journal, 2016, 1582-9596, vol. 15, no. 3 pp. 573-578, WOS:000376876400011
18. Felegeanu, D.-C. , Paraschiv, G., Panainte-Lehăduş, M., Horubet, M., Belciu, M., Radu, M., Turcu, O.L. - A combined method for the analysis and assessment of risks and industrial safety, Environmental Engineering and Management Journal, 2016, 1582-9596, vol. 15, no. 3 pp. 573-578 WOS:000376876400009
19. Mirela Panainte, Marius Stănilă, Emilian Moşneguţu, Oana Irimia, Doina Capşa, Florin Nedeff, Claudia Tomozei, Ion Joiţa, Gabriela Telibaşa - Monitoring emissions from large combustion plants, Environmental Engineering and Management Journal, 1582-9596 2014, vol. 13, nr. 7, pp. 1657-1663, WOS:000344577400013
20. Mirela Panainte, Vassilis Inglezakis, Iuliana Caraman, Mihai C Nicolescu, Emilian Mosneguţu, Florin Nedeff - The evolution of eco-labeled products in Romania Environmental Engineering and Management Journal, 1582-9596 Volume 13, Issue 7, 2014, Pages 1665-1671, 10.30638/eemj.2014.184, WOS:000344577400014

21. Antonina Temea, Claudio Comoglio, Serena Botta, Valentin Nedeff, Mirela Panainte-Lehăduș, Marcela Danu, Narcis Barsan - Developing a green register of eco-labeled products in Romania, *Environmental Engineering and Management Journal*, 2016, 1582-9596, Vol.15, No. 8, 1873-1878 WOS:000388119400022
22. Florina Fabian, Silvia Fiore, Giuseppe Genon, Deborah Panepinto, Valentin Nedeff, Mirela Panainte, Preliminary evaluation of the environmental impact of water treatment process, *Environmental Engineering and Management Journal*, 2016, 1582-9596, Vol.15, No. 8, 1867-1872 WOS:000388119400021
23. Panainte-Lehăduș, M. , Nedeff, F., Petrovici, A., Telibașă, G., Felegeanu, D.-C., Schnakovszky, C. - Assessing the health and safety risks in the education sector, *Environmental Engineering and Management Journal*, 2016, 1582-9596, vol. 15, no. 3 pp. 563-572 WOS:000376876400010
24. Cochiorca, A., Nedeff, V., Bârsan, N., Moșneguțu, E.F., Panainte-Lehăduș, M., Tomozei, C., Analysis of water quality for two rivers located near a mining area, *Scientific Study and Research: Chemistry and Chemical Engineering, Biotechnology, Food Industry*, Volume 19, Issue 4, 2018, Pages 455-463, WOS:000452211700009
25. Claudia Tomozei, Valentin Nedeff, Mirela Panainte, Gabriela Telibașă, Experimenting rigid and elastic clamping methods of acoustic screens, *Environmental Engineering and Management Journal*, 1582-9596, 2018, Volume 17, no. 12, pp. 2813-282 WOS:000456043800012
26. Tataru, L., Nedeff, V., Barsan, N., Mosnegutu, E.a, Lehadus, M.P., Sandu, I., Chitimus, D., Studies of humic acid removal from aqueous systems by using polymeric membrane ultrafiltration process, *Materiale Plastice*, Volume 55, December 2018, Pages 680-685, WOS:000454987400048
27. Goldan, E., Nedeff, V., Sandu, I.G., Mosnegutu, E., Panainte, M., Study of greenhouse use of biohazard wastewater and manure compost, *Revista De Chimie*, vol. 70, no. 1, 2019, p. 169-173, WOS:000460428100037
28. Tataru, L., Nedeff, V., Mosnegutu, E., Panainte-Lehadus, M., Chitimus, D.A., Exploitation of organic ultrafiltration membranes in the removal of peptone from wastewater, *Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry*, vol. 20, no. 1, 2019, p. 75-87, WOS:000462758300008
29. Tataru, L., Nedeff, V., Barsan, N., Sandu, A.V., Mosnegutu, E., Panainte-Lehadus, M., Sandu, I., Applications of polymeric membranes ultrafiltration process on the retention of bentonite suspension, *Materiale Plastice*, vol. 56, no. 1, 2019, p. 97-102, WOS:000464604100020
30. Goldan, E., Nedeff, V., Barsan, N., Mosnegutu, E., Sandu, A.V., Panainte, M., The effect of biochar mixed with compost on heavy metal concentrations in a greenhouse experiment and on *folsomia candida* and *eisenia andrei* in laboratory conditions, *Revista De Chimie*, vol. 70, no. 3, 2019, p. 809-813, WOS:000464911600014
31. Antonina Temea, Valentin Nedeff, Mirela Panainte-Lehadus, Claudia Tomozei, Comparison Between Characteristics of Products With Ecolabel and the Ones Without Ecolabel, *REV.CHIM.(Bucharest)*, 2537-5733, 2019, 70, No. 4, p.1293-1297 WOS:000469387200037
32. 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 Thermo-Energetic Industry, *REV.CHIM.(Bucharest)*, 2537-5733, 2019, vol. 70, No. 8, p. 2869- 2872 WOS:000489685600035
33. Nastuneac, V., Panainte-Lehadus, M., Mosnegutu, E.F., Gavrilas, S., Cioca, G., Munteanu, F.D., Removal of Cypermethrin from water by using *fucus spiralis* marine alga, *International Journal of Environmental Research and Public Health*, vol. 16, no. 19, 2019, 10.3390/ijerph16193663, 31569507, WOS:000494748600159
34. Elena Goldan, Valentin Nedeff, Ion Sandu, Narcis Barsan, Emilian Mosnegutu, Mirela Panainte, The use of biochar and compost mixtures as potential, organic fertilizers, *REVISTA DE CHIMIE (Bucharest)*, 2537-5733, 2019, vol. 70, No. 6, p. 2192- 2197, WOS:000475860100063
35. Cochiorca, A., Barsan, N., Nedeff, F.M., Sandu, I., Mosnegutu, E.F., Lehadus, M.P., Chitimus, D., Irimia, O., Sandu, I.G., Surface water quality assessment from a mining area case study, groapa Burlacu lake, Targu Ocna, Romania, *Revista De Chimie*, vol. 70, no. 10, 2019, pp. 3678-3680, WOS:000500795900049
36. Muscalu, O.M., Nedeff, F.M., Partal, E., Mosnegutu, E., Panainte-Lehadus, M., Irimia, O., Tomozei, C., Influence of Soil Fertilization Systems on Soil Characteristics for a Monoculture of Sunflower, *Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry*, vol. 20, no. 4, 2019, pp. 585-595, WOS:000502846500008
37. Narcis Barsan, Dana Chitimus, Florin Marian Nedeff, Ion Sandu, Mirela Panainte Lehadus, Andrei Victor Sandu, Oana Irimia Tartoaca, Experimental application of a laboratory SBR plant used for domestic wastewater treatment, *REV.CHIM.(Bucharest)*, 2537-5733, 2019, vol. 70, No. 11, p. 4098- 4101 WOS:000503185300067

38. Emilian Florin MOSNEGUTU, Mirela PANAINTE-LEHĂDUȘ, Florin NEDEFF, Oana TIRTOACA (IRIMIA), Claudia TOMOZEI, Waste management evaluation in the context of sustainable development. Case study Vasile Alecsandri University of Bacau, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, ISSN: 2067-533X, January-March 2020, 11, No. 1, p. 179-188, WOS:000520030000017
39. Oana Tirtoaca Irimia, Mirela Panainte-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 and Research-Chemistry and Chemical Engineering Biotechnology Food Industry, 2020, 21 (2), pp. 271 – 278, WOS:000546789300012
40. Sampah Georges Eblin, Kouakou Séraphin Konan, Tanoh Jean Jacques Koua, Mirela Panainte-Lehadus, Valentin Nedeff, Narcis Barsan, Assessment of Bandama River water resources for drinking water supply in Sinfra and Gagnoa localities (West-Central, Côte D'ivoire), Fresenius Environmental Bulletin, 2021, 30, No. 02A, p. 2218-2226. WOS:000626629800073
41. Cochiorca, Alina, Fiorucci, Adriano, Nedeff, Valentin, Barsan, Narcis, Mosnegutu, Emilian Florin, Chițimus, Dana, Panainte-Lehadus, Mirela, Water quality analysis from a mining area. Case study: Targu Ocna salt mine, ROMANIA, Environmental Engineering & Management Journal (EEMJ). Mar 2021, Vol. 20 Issue 3, p355-360. 6p., WOS:000637746900004
42. Chitimus Alexandra-Dana, Nedeff Valentin, Muscalu (Plescan) Oana, Mosnegutu Emilian, Barsan Narcis, Panainte-Lehadus Mirela, 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, issue 2, pag. 275-279, WOS:000709770400014
43. Panainte-Lehadus M., Nedeffu V., Barsan N., Mosnegutu E., Temea A., Tomozei C., Irimia O., Chitimus D., Evaluation on consumer attitudes towards to the purchase of eco-labeled products, Fresenius Environmental Bulletin, 2021, Volume 30, Issue 5, Pages 5521 – 5528, WOS:000658173700091
44. Florina Fabian, Valentin Nedeff, Narcis Barsan, Mirela Panainte-Lehadus, Emilian Florin Mosnegutu1, Paul-Claudiu Cotirlet, Dana Chitimus, Claudia Tomozei, Oana Irimia - Estimating the carbon footprint in water treatment case study the treatment plants from BACAU ROMANIA and TURIN ITALY, Fresenius Environmental Bulletin, Volume 30– No. 10/2021 pages 11361-11370, WOS:000704955000039
45. Vulpe, Mihai; Nedeff, Valentin; Lehadus, Mirela Panainte; Mosnegutu, Emilian Florin; Cotirlet, Paul Claudiu; Barsan, Narcis, Educational attainment implication in the waste problems perception a case study applied to romanian citizens, FRESENIUS ENVIRONMENTAL BULLETIN, 2021, vol. 30, nr. 6B, pag. 7639-7646, WOS:000670303700052
46. Goldan, E; Nedeff, V; Barsan, N; Culea, M; Tomozei, C; Panainte-Lehadus, M; Mosnegutu, E, Evaluation of the use of sewage sludge biochar as a soil amendment-a review, SUSTAINABILITY, vol. 14, no. 9, 2022, 5309, 10.3390/su14095309, WOS:000794497400001
47. Emilian Mosnegutu, Mirela Panainte-Lehadus, Valentin Nedeff, Claudia Tomozei, Narcis Barsan, Dana Chitimus and Marcin Jasinski, Extraction of mathematical correlations applied in the aerodynamic separation of solid particles, Processes, vol. 10, no. 7, 2022, 1234, 10.3390/pr10071234, WOS:000832223400001
48. Mirela Panainte-Lehadus; Mihai Vulpe; Valentin Nedeff; Emilian Mosnegutu; Grzegorz Przydatek; Claudia Tomozei; Dana Chitimus, S Study on the Method of Household Waste Collection: Case Study, Applied Sciences, 2022, vol. 12, no. 15, 2022, 7490, 10.3390/app12157490, WOS:000838899700001
49. Mirela Panainte-Lehăduș, Emilian Moșneguțu, Narcis Bărsan , Gabriela Andrioai , Claudia Tomozei and Oana Irimia, Mathematical perspectives in the variable texture products cutting, Processes, 2022 vol. 10, no. 8, 1603, 10.3390/pr10081603, WOS:000845796500001
50. Emilian Moșneguțu, Claudia Tomozei, Mirela Panainte-Lehădușu, Dana Chițimuș and Oana Irimia, Geometric calculation of the influence of an oscillating sieve's actuation mechanism position on its motion, Processes, 2022, vol. 10, no. 9, 1760, 10.3390/pr10091760, WOS:000857647700001
51. Andrei, Zaharia; Nedeff, Valentin; Barsan, Narcis; Panainte-Lehadus, Mirela; Mosnegutu, Emilian; Chilimus, Dana; Tomozei, Claudia, Ultrafiltration technology application in the industrial wastewater treatment processes, Fresenius Environmental Bulletin, 2022, vol. 31, nr. 8B, pag. 8742-8751, WOS:000850209000019
52. Eblin, S. G., Anoh, K. A., Yao, A. B., Kouassi, K. L., Nedeff, V., Panainte-Lehadus, M., Barsan, N., Effect Of The Distribution System On Drinking Water Quality In The City Of Daloa (West Central Cote D'ivoire), Fresenius Environmental Bulletin, vol. 31, no. 6A, 2022, p. 6713-6720. WOS:000811588300078
53. Fègbawè Badanaro, Narcis Barsan, Amivi Tété-Benissan, Valentin Nedeff, Mirela Panainte-Lehadus, Sustainable Local Food Evaluation by Dosage of Some Metallic Pollutants in Wild Insect Species Consumed in Togo, Sustainability, 2022, vol. 14, No. 3, art.no. 1892, WOS:000755645900001.
54. Irimia Oana, Przydatek Grzegorz, Panainte-Lehadus Mirela, Tomozei Claudia, Mosnegutu Emilian, Gawron Piotr, Indicators of Impact Selected Municipal Units on the Air Quality—Case Study from Poland and Romania, 2022, Processes, Volumul 10, Numărul 12, art no.2485, WOS:000902812200001
55. Elena Goldan; Valentin Nedeff; Narcis Barsan; Mihaela Culea; Mirela Panainte-Lehadus; Emilian Mosnegutu; Claudia Tomozei; Dana Chitimus; Oana Irimia, Assessment of Manure Compost Used as Soil Amendment—A Review, Process, Volume11, Issue 4, 2023, DOI 10.3390/pr11041167

56. Irimia, O., Panaite-Lehadus, M., Tomozei, C., Mosnegutu, E., Przydatek, G., Origin-Destination Traffic Survey- Case Study: Data Analyse for Bacau Municipality, Sustainability, vol. 15, no. 6, 2023, 4975, 10.3390/su15064975, WOS:000967792200001
57. Placinta, C., Stanciu, S., Panaite-Lehadus, M., Mosnegutu, E., Nedeff, F., Nedeff, V., Tomozei, C., Petrescu, T.C., Agop, M., Theoretical and Experimental Designs on Several Mechanical Properties of Cu-Al-Zn Shape Memory Alloys Used in the Processing Industry, Materials, 2023, vol. 16, no. 4, 1441, 10.3390/ma16041441, 36837071, WOS:000940069700001
58. Mirela Panaite-Lehaduș, Emilian Moșneguțu, Narcis Bârsan, Gabriela Andrioai, Claudia Tomozei, Oana Irimia, Mathematical Perspectives in the Variable Texture Products Cutting Process, 2022, Processes, Volumul 10, Numărul 8, art no. 1603 WOS:000845796500001
59. 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, 2022, Applied Sciences, Volumul 12, Numărul 15, art no. 7490, WOS:000838899700001
60. Emilian Mosnegutu, Mirela Panaite-Lehadus, Valentin Nedeff, Claudia Tomozei, Narcis Barsan, Dana Chitimus, Marcin Jasinski, Extraction of mathematical correlations applied in the aerodynamic separation of solid particles, 2022, Processes, Volumul 10, Numărul 7, art no.1234 WOS:000832223400001
61. Andrei Zaharia, Valentin Nedeff, Juan A. López-Ramírez, Emilian Mosnegutu, Narcis Bârsan, Mirela Lehadus-Panaite, Jamroziak Krzysztof, Claudia Tomozei, Scanning Electron Microscope Analysis of Polypropylene Filter Cartridges Used in Drinking Water Purification Systems, Water, 2024, 16 (1), 165; <https://doi.org/10.3390/w16010165>
62. Petrut-Liviu Bogdan, Valentin Nedeff, Mirela Panaite-Lehadus, Dana Chitimus, Narcis Barsan, Florin Marian Nedeff, Delineation of Groundwater Potential Zones Using Geospatial Techniques. Case Study: Roman City and the Surrounding Area in the Northeastern Region, Romania, Water 2024, 16, 3013. <https://doi.org/10.3390/w16213013>,
- 63.

IV.2. Lucrări publicate în proceedings indexat ISI

1. Tomozei, Claudia, Mosnegutu, Emilian; Nedeff, Valentin; Irimia, Oana; Panaite-Lehadus, Mirela; Nedeff, Florin Marian; Chitimus, Dana; Barsan Narcis, **Study of the Noise Level in an Ice Cream Factory Working Environment, 2024, 9th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2024 - Proceedings**, ISBN 979-835036938-0, DOI 10.1109/EEAE60309.2024.10600574
2. Bogdan, Petrut-Liviu; Nedeff, Valentin; Panaite-Lehadus, Mirela; Irimia, Oana; Mosnegutu, Emilian, Integrated Assessment of Groundwater Quality: A Case Study of the Roman City and its Northern Surroundings, 2024, 9th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2024 – Proceedings, ISBN 979-835036938-0, DOI 10.1109/EEAE60309.2024.10600508
3. Bogdan, P. L., Nedeff, V., Barsan, N., Panaite-Lehadus, M., Chitimus, D., Nedeff, F., Tomozei, C., Applications of the GIS and Remote Sensing methods in the Land use and cover maps. Case study: Roman city and the surroundings of the Northern side area, 2022 8th International Conference on Energy Efficiency and Agricultural Engineering (EE&AE), Ruse, Bulgaria, 2022, pp. 1-5, doi: 10.1109/EEAE53789.2022.9831397 (SCOPUS).
4. Ioja, I., Tomozei, C., Nedeff, V., Mosnegutu, E., Panaite-Lehadus, M., Irimia, O., Barsan, N., Chitimus, D., Studies and research on the possibilities of implementing ergonomic principles in increasing labor productivity, 2022 8th International Conference on Energy Efficiency and Agricultural Engineering (EE&AE), Ruse, Bulgaria, 2022, pp. 1-5, doi: 10.1109/EEAE53789.2022.9831319 (SCOPUS).
5. Irimia, Oana; Tomozei, Claudia; Panaite-Lehadus, Mirela; Dinu, Maria Cristina, 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 12 November 2020 Article number 92789837th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2020, Ruse, 12 November 2020 - 14 November 2020, Code 165935. WOS:000659299700025.
6. Tomozei, Claudia, Panaite-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 12 November 2020 Article number 92790887th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2020 Ruse 12 November 2020 through 14 November 2020 Code 165935, DOI 10.1109/EEAE49144.2020.9279088. WOS:000659299700127
7. Tataru L., Nedeff V., Barsan N., Panaite-Lehadus M., Mosnegutu E. F., Efficiency studies of hollow fiber organic membranes in restraining yeast from wastewater subjected to ultrafiltration, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, Volume 18, Issue 3.1, 2018, Pages 235-242, 18th International Multidisciplinary Scientific Geoconference, SGEM 2018; Albena; Bulgaria; 2 July 2018 through 8 July 2018; Code 142873, DOI: 10.5593/sgem2018/3.1/S12.031 (SCOPUS).

8. Cochiorca A., Nedeff V., Barsan N., Panainte-Lehadus M., Mosnegutu E. F., Aspects related to water quality assessment in a mining activity area. Case study, mining area Tg. Ogna, Romania, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, Volume 18, Issue 3.1, 2018, Pages 87-94, 18th International Multidisciplinary Scientific Geoconference, SGEM 2018; Albena; Bulgaria; 2 July 2018 through 8 July 2018; Code 142873. DOI: 10.5593/sgem2018/3.1/S12.012 (SCOPUS).
9. Oana IRIMIA, Claudia TOMOZEI, **Mirela Panainte-LEHADUS**, PROCESS, A mathematical model on the efficiency of the mechanical water filtering, 16th International Multidisciplinary Scientific GeoConference SGEM 2016, SGEM2016 Conference Proceedings, ISBN 978-619-7105-62-9/ ISSN 1314-2704, June 28 - July 6, 2016, Book3 Vol. 2, 2016, 695-702 pp;
10. 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, SGEM2016 Conference Proceedings, ISBN 978-619-7105-62-9 / ISSN 1314-2704, June 28 - July 6, 2016, Book3 Vol. 2, 2016, 763-774 pp;
11. **Mirela Panainte-Lehadus**, Valentin Nedeff, Emilian Mosnegutu, Iuliana Caraman, Narcis Barsan, Production and distribution of green products in Romania, 15th International Multidisciplinary Scientific GeoConference SGEM 2015, SGEM2015 Conference Proceedings, ISBN 978-619-7105-40-7/ ISSN 1314-2704, June 18-24, 2015, Book5 Vol. 2,
12. **Mirela Panainte-Lehadus**, Valentin Nedeff, Emilian Mosnegutu, Gabriel Lazar, Iuliana Caraman, Claudia Tomozei, Dana Chitimus, Narcis Barsan, Study regarding public perception on environmental issues relating to Romania, International conference on production research - regional conference Africa, Europe and the Middle East and 3rd International conference on quality and innovation in engineering and management, 2014, ISBN: 978-973-662-978-5, p. 393-396
13. Nedeff, V; Inglezakis, V; Lazar, I ; Panainte, M; Mosnegutu, E; Caraman, I; Lazar, G , Green products theme as learning subject, Edulearn13: 5th international conference on education and new learning technologies, Edited by: Chova, LG; Martinez, AL; Torres, IC, Book Series: EDULEARN Proceedings, Pages: 3403-3408, Published: 2013, Document Type: Proceedings Paper, WOS:000346798303060

IV.3. Lucrări publicate în reviste indexate în baze de date internaționale (BDI)

1. Mariana Lupu, Valentin Nedeff, Mirela Panainte, Dragoș-Ioan Rusu, Techniques and methods for measuring the texture of processed and fresh agro-food products – a review, DOI: 10.2478/bipmf-2022-0016, BULETINUL INSTITUTULUI POLITEHNIC DIN IAȘI (BULLETIN OF THE POLYTECHNIC INSTITUTE OF IAȘI), eISSN 2537-4990, Volume 68(72), No. 4, 2022
2. Emilian Mosnegutu, Narcis Barsan, Mirela Panainte-Lehadus, Dana Chitimus, Claudia Tomozei, Influence of the crank mechanism position in the motion of an oscillating sieve, Jurnal Journal of Engineering Studies and Research, 2068-7559, 2021, 2020, Volumul 27, no.4, p. 36-43
3. Claudia Tomozei, Oana Irimia, Mirela Panainte-Lehadus, Florin Nedeff, Shielding of noise sources using acoustic screens composed, Jurnal Journal of Engineering Studies and Research, 2068-7559, 2020, Volumul 26, no.1, p. 80-85
4. Turcu Mariana, Barsan Narcis, Ianculescu Dan, Nedeff Valentin, Chitimus Dana, Panainte-Lehadus Mirela, Mosnegutu Emilian, Organic flocculants applications in the treatment of municipal sludge, ROMAQUA, ISSN 1453-6986, 2020, vol. 146, no. 8, 2020, p. 29-35
5. Claudia TOMOZEI, Alexandra PIPA, Oana IRIMIA, Mirela PANAINTE-LEHADUS, Florin NEDEFF, Measuring noise level in the textile industry, Jurnal Journal of Engineering Studies and Research, 2068-7559, 2018, Volumul, 24, no.4
6. Laurentiu TATARU, Valentin NEDEFF, Narcis BARSAN, Mirela PANAINTE-LEHADUS, Emilian MOSNEGUTU, Dana CHITIMUS, Florina FABIAN, A comparative study between water-gap and air-gap distillation membranes for removal of salts from saline water by desalination method, Jurnal Journal of Engineering Studies and Research, 2068-7559, 2018, Volumul, 24, no.2
7. Laurențiu Tătaru, Valentin Nedeff, Narcis Bârsan, Mirela-Panainte Lehaduș, Dana-Alexandra Chițimuș, The importance of using membranes in seawater, desalination as a result of excessive exploitation of, water sources, The Annals of “Dunarea De Jos” University of Galati, Fascicle ix. Metallurgy and Materials Science, No, 3 - 2017, ISSN 1453-083X, 2017, nr. 3, pp. 39-46
8. Antonina Temea, Mirela Panaite-Lehaduș, Narcis Bârsan, Claudia Tomozei, Valentin Nedeff, Study about the Perception of Producers from Romania Regarding the Ecolabel, The Annals of “Dunarea De Jos” University of Galati, Fascicle ix. Metallurgy and Materials Science, No, 3 - 2017, ISSN 1453-083X, 2017, nr. 3, pp. 33-38
9. MIRELA PANAINTE-LEHADUS, NARCIS BARSAN¹, OANA IRIMIA¹, CLAUDIA TOMOZEI¹, EMILIAN MOSNEGUTU¹, FLORIN NEDEFF, Application on the workplaces hazards measurement in a bakery unit, Journal of Engineering Studies and Research, 2068-7559, 2017 vol. 23 nr. 4, pp. 14-18

10. Tirtoaca Irimia Oana, Nedeff Valentin, Panainte-Lehadus Mirela, Tomozei Claudia, Efficiency of water filtering process depending on the filter layer porosity and flow-a mathematical model, Jurnal Journal of Engineering Studies and Research, 2068-7559, 2017, Volumul,23, no.4
11. Claudia TOMOZEI, Alexandra PIPA, Oana IRIMIA, Mirela PANAINTE-LEHADUS, Florin NEDEFF, Measuring noise level in the textile industry, Jurnal Journal of Engineering Studies and Research, 2068-7559, 2018, Volumul,24, no.4
12. Laurentiu TATARU, Valentin NEDEFF, Narcis BARSAN, Mirela PANAINTE-LEHADUS, Emilian MOSNEGUTU, Dana CHITIMUS, Florina FABIAN, A comparative study between water-gap and air-gap distillation membranes for removal of salts from saline water by desalination method, Journal of Engineering Studies and Research, 2068-7559, 2018, Volumul,24, no.2
13. Emilian Moşneguţu, Valentin Nedeff, **Mirela Panainte-Lehăduş**, Narcis Bârsan, Dana Chiţimuş, Dragoş Rusu - Determination of the real values of kinematic index corresponding to the mechanical separation process, Journal of Engineering Studies and Research, 2016, vol. 22, no. 2, ISSN 2068-7559, pp. 39-48
14. Oana Irimia, Valentin Nedeff, **Mirela Panainte Lehăduş**, Claudia Tomozei - Experimental study concerning the distribution of granular particle shape from a filter layer, Journal of Engineering Studies and Research, 2016, vol. 22, no. 1, ISSN 2068-7559, pp. 66-73
15. Alina Petrovici, Claudia Tomozei, Florin Nedeff, Oana Irimia, **Mirela Panainte-Lehadus** - Review on the road traffic noise assessment, Journal of Engineering Studies and Research, 2016, vol. 22, no. 1, ISSN 2068-7559, pp. 85-93
16. **M Panaite-Lehadus**, C Olaru, V Nedeff, I Olaru and E Mosnegutu, The study behavior of food materials with soft texture subjected to shredding by cutting, IOP Conference Series: Materials Science and Engineering, 2016, Volume 147, Number 1
17. Jessica Alcaraz, Marine Ridoire, **Mirela Panainte-Lehăduş**, Mariana Turcu, Narcis Bârsan, Dana Chiţimuş, Oana Irimia, Application of the flocculation process for the municipal sewage sludge treatment, Journal of Engineering Studies and Research, Volume 20, Number 2, p. 7-13, 2014
18. Daniel-Catalin Felegeanu, Valentin Nedeff, **Mirela Panainte**, Analysis of technological risk assessment methods in order to identify definitory elements for a new combined/complete risk assessment method, Journal of Engineering Studies and Research, 2013, vol.19, no. 3, ISSN 2068-7559, p. 32 – 43.
19. **Panainte Mirela**, Nedeff Valentin, Olaru Ciprian, Tomozei Claudia, Irimia Oana, Study the behavior of food materials with soft textured subject to shred by cutting through the texture analysis method, Proceedings of the 5th International Conference on Advanced Concepts in Mechanical Engineering ACME, 2012, Institutului Politehnic din Iaşi Tomul LVI (LX), Fasc. 4B, Secţia Construcţiilor de Maşini, 2012, ISSN 1011-2855, pp. 283 – 289.
20. V.J. Inglezakis, V. Nedeff, **M. Panainte**, I. Caraman, C. Muraru, M. Dram, L. Focariu, V. C.Venetis, P.Coutsikos, Producers and distributors survey on green products in Romania, Buletinul Institutului Politehnic din Iasi Tomul LVIII (LXII) Fasc. 3, Chimie si Inginerie Chimică, ISSN 0254-7104, 2012, p.29-40.
21. Doina Capşa, Valentin Nedeff, Maria Vasiliţă, Lazăr Gabriel, **Panainte Mirela**, Bârsan Narcis, Extreme temperatures and their effects on the human body, Present Environment and Sustainable Development, ISSN 1843-5971, 2012, vol. 6, no. 2, pp. 387-403.
22. Felegeanu Daniel Cătălin, Nedeff Valentin, **Panainte Mirela**, The prevention of hazardous substances major accidents, Journal of Engineering Studies and Research, 2012, vol. 18, no. 3, ISSN 2068-7559, pp. 61-68
23. Bontaş Ovidiu, Nedeff Valentin, Moşneguţu Emilian Florin, **Panainte Mirela**, Study of factors influencing the solid particles on a flat inclined surface, Journal of Engineering Studies and Research, 2012, vol. 18, no. 1, ISSN 2068-7559, pp. 39-46
24. V.J. Inglezakis, V. Nedeff, G. Lazar, **M. Panainte**, C. Cobzaru - Consumers attitude towards green products in Romania, Journal of International Scientific Publications: Ecology & Safety, 2011, vol. 5, Part 1, page 79-87
25. Olaru Ciprian, Nedeff Valentin, **Panainte Mirela** - Studies and research on the possibilities of cutting analysis of food materials with soft texture, JESR – 17/2011, nr. 1, ISSN 2068-7559, pg. 70 - 76,
26. Irimia Oana, Nedeff Valentin, Lazăr Gabriel, **Panainte Mirela** - Theoretical studies viewing the influence of particles' shape from filter layer in the mechanical filtration process, JESR – 17/2011, nr. 1, ISSN 2068-7559, pg. 40 – 45
27. Nedeff Valentin, Tomozei Claudia , **Panainte Mirela**, Macarescu Bogdan, Mosnegutu Emilian, Lazar Gabriel - Noise monitoring in a high traffic area of Bacau, Romania, JESR – 17/2011, nr. 1, ISSN 2068-7559, pg. 57 – 83
28. Emilian Moşneguţu, Valentin Nedeff, Mihail Ristea, **Mirela Panainte**, Carmen Savin,– Research on aerodynamic separation of mixtures solids, The 4th International Conference on Advanced concepts on mechanical engineering, ACME 2010, Iasi, Romania, 17-18 Iunie, Buletinul Institutului politehnic din Iaşi, publicat de Universitatea tehnică, Gheorghe Asachi din Iaşi, Tomul LVI (LX), Fasc. 4B, Secţia Construcţiilor de maşini, 2010 , ISSN 1011-2855, pg. 433,

29. Carmen Savin, Valentin Nedeff, Valentin Zichil, Alexandru Irinel Ambăruș, **Mirela Panainte**, Emilian Moșneguțu – Numerical analysis mixing device finite element method (FEM/MEF), The 4th International Conference on Advanced concepts on mechanical engineering, ACME 2010, Iasi, Romania, 17-18 Iunie, Buletinul Institutului politehnic din Iași, publicat de Universitatea tehnică, Gheorghe Asachi din Iași, Tomul LXI (LX), Fasc. 4B, Secția Construcții de mașini, 2010, ISSN 1011-2855, pg. 461
30. **Mirela Panainte**, Valentin Nedeff, Ciprian Olaru, Emilian Mosnegutu, Carmen Savin, Bogdan Macarescu - Study regarding the influence of cutting bodies surface state on energy consumption in grinding process of vegetable products with hard texture, The 4th International Conference on Advanced concepts on mechanical engineering, ACME 2010, Iasi, Romania, 17-18 Iunie, 2010, Buletinul Institutului Politehnic din Iași, ISSN 1011 - 2855
31. Ntain Yemou Jeanne, Nedeff Valentin, **Panainte Mirela**, Măcărescu Bogdan, Mosnegutu Emilian - La participation des femmes aux structures de prise de décision comme facteur d'intégration socioéconomique : cas des femmes de la commune de Buyo (Sud-ouest de la Côte D'Ivoire), MOCM – 14/2008, vol. 3, ISSN 1224-7480, pg. 79 - 84
32. Ntain Yemou Jeanne, Nedeff Valentin, **Panainte Mirela**, Macarescu Bogdan, Mosnegutu Emilian - Type d'activités économiques et intégration économique et sociale des femmes de la Commune de Buyo (SUD-OUEST de la COTE D IVOIRE), MOCM – 14/2008, vol. 2, ISSN 1224-7480, pg. 228-236, Editura Alma Mater, Bacau;
33. Ntain Yemou Jeanne, Nedeff Valentin, **Panainte Mirela**, Macarescu Bogdan, Mosnegutu Emilian - Structures d'encadrement technique / accès à la terre et intégration socioéconomique des femmes de la Commune de Buyo (SUD – OUEST de la Cote D'ivoire), MOCM – 14/2008, vol. 2, ISSN 1224-7480, pg. 220-227,
34. Moșneguțu Emilian, Nedeff Valentin, **Panainte Mirela**, Savin Carmen – Studies about the influence exercise of the wrack density of solid particles mixture on the process on the process of aerodynamic sort, Modelling and Optimization in the Machines Building Field, MOCM -14, 2008, vol. 2, ISSN 1224- 7480, pp. 190-197;
35. Savin Carmen, Nedeff Valentin, Zichil Valentin, **Panainte Mirela**, MOȘNEGUȚU Emilian, AMBĂRUȘ Alexandru Irinel - Experimental researches concerning the cavitation in case of mixtures by type liquid-liquid (L-L), MOCM – 13, 2007, vol. 3, ISSN 1224-7480, pg. 251- 256
36. Moșneguțu Emilian Florin, Nedeff Valentin, Băisan Ioan, **Panainte Mirela**, Savin Carmen, Ristea Mihai - Study concerning the forms of solid particles, MOCM – 13, 2007, vol.3, ISSN 1224-7480, pg. 73- 78
37. **Panainte Mirela**, Nedeff Valentin, Savin Carmen, Mosnegutu Emilian, Macarescu Bogdan - Determination of energy consumption at grinding through shredding at different specie sand sorts of fruits with variable texture (dedicate to 1st conference „Simulation – modelling, and computer maides design in the field of agricultural machines and food industry – AMFI 2007”), Scientific buletin, series D: Mechanical Engineering, University Politehnica Bucuresti, ISSN 1454-2358, 2007, vol. 69, nr. 4, pg. 95-102
38. Biriș Sorin-Ștefan, Dragomir Maria, **Panainte Mirela** - Calculus outlines for the falling-film evaporator used in the sugar industry, MOCM – 13, ISSN 1224-7480, 2007, vol. 2, pg. 90- 95
39. Mosnegutu Emilian, Nedeff Valentin, **Panainte Mirela**, Savin Carmen – The possibility of determination position of a floating solid in a particles air channel with variable section, MOCM – 13, ISSN 1224-7480, 2007, vol. 1, pg. 201- 206
40. **Panainte Mirela**, Dasic Predag, Nedeff Valentin, Mosnegutu Emilian, Savin Carmen - Modalities to determine the energy consumption for the grinding at vegetables product with variable texture, MOCM – 13, ISSN 1224-7480, 2007, vol. 1, pg. 239- 248
41. Savin Carmen, Nedeff Valentin, Zichil Valentin, **Panainte Mirela**, Mosnegutu Emilian – Studies and researches about the mixing process optimization and about mixing devices in case of the non-newtonian mixtures, MOCM – 13, ISSN 1224-7480, 2007, vol. 1, pg. 261- 268
42. Valentin Nedeff, Predrag Dasic, **Mirela Panainte**, Emilian Mosnegutu, Carmen Savin, Bogdan Macarescu, Determination of energy consumption at grinding through shearing of vegetables products with variable texture, U.P.B. Sci. Bull., Series D, ISSN 1454-2358; 2007, vol. 69, no. 4, pag. 95 - 102
43. **Panainte Mirela**, Nedeff Valentin, Mosnegutu Emilian, Savin Carmen, Macarescu Bogdan, Olaru Ciprian - Determination of grinding energy to vegetable product through texture analysis method, MOCM – 13, ISSN 1224-7480, 2007, vol.3, pg. 128- 134
44. Savin Carmen, Nedeff Valentin, **Panainte Mirela**, Mosnegutu Emilian – The study and experimental research about mixing process for the non-newtonian food mixtures, Buletinul Institutului Politehnic din Iași, 2006, ISSN 1011-2855, pg. 323-328

45. **Panainte Mirela**, Nedeff Valentin, Savin Carmen, Mosnegutu Emilian – Study and research regard determined the energy consumption at grinding vegetable products with variable texture, Buletinul Institutului Politehnic din Iași, 2006, ISSN 1011-2855, pg. 305-312
46. Nedeff Valentin, Mosnegutu Emilian, **Panainte Mirela**, Savin Carmen – The study of the negative remanance effects products by settle of the soil from the agricultural engineering, Buletinul Institutului Politehnic din Iași, 2006, ISSN 1011-2855; pg. 299-304
47. Mosnegutu Emilian, Nedeff Valentin, **Panainte Mirela**, Savin Carmen – contribution concerning the aerodynamically sorting to biphas mixture with different concentration of phases, Buletinul Institutului Politehnic din Iași, 2006, ISSN 1011-2855, pg. 291-298
48. Savin Carmen, Nedeff Valentin, Zichil Valentin, **Panainte Mirela**, Mosnegutu Emilian - The determination experimental of viscosity structural for non – newtonian mixtures, MOCM 12, 2006; ISSN 1224-7480, vol. 1, pg. 176-179
49. **Panainte Mirela**, Nedeff Valentin, Mosnegutu Emilian, Savin Carmen - Research regarding the energy consumption at grinding through broke legumes with variable texture, MOCM12, 2006, ISSN 1224-7480, vol. 1, pg. 134-137
50. Savin Carmen, Zichil Valentin, **Panainte Mirela** - Theoretical studies concerning the realization of the cavitation and consumption power in mixing operations, MOCM 11, 2005, ISSN 1224-7480, vol. 2, pg. 251-254
51. Savin Carmen, Nedeff Valentin, Zichil Valentin, **Panainte Mirela** - Studies and researches concerning the optimization mixing processes of non – newtonian blend with variable viscosity, MOCM11, 2005, ISSN 1224-7480, vol. 2, pg. 247-250
52. Moșneguțu Emilian, Nedeff Valentin, **Panainte Mirela** - Study and research concerning to influence of particle forms about aerodynamic sorting process, MOCM 11, 2005, ISSN 1224-7480, vol. 2, pg. 223-228
53. Moșneguțu Emilian Florin, Nedeff Valentin, **Panainte Mirela**, Burcă Genoveva - Influence of particle aerodynamical characteristic over on his speed moved into vertical airflow, MOCM 11, 2005, ISSN 1224-7480, vol. 2, pg. 217-222
54. Nedeff Valentin, Mosnegutu Emilian, Măcărescu Bogdan, **Panainte Mirela** - Study and researches regard the possibilities to reduction pollution emissions at thermoelectric power stations which using right essential combustible lignite, MOCM 11, 2005, ISSN 1224-7480, vol. 2, pg. 90-93
55. Măcărescu Bogdan Constantin, Nedeff Valentin, **Panainte Mirela**, Moșneguțu Emilian - The necessity of an efficient energy use, and the realities in BACĂU aeria, MOCM 11, 2005, ISSN 1224-7480, vol. 2, pg. 68-73
56. Măcărescu Bogdan Constantin, Nedeff Valentin, **Panainte Mirela**, Moșneguțu Emilian - Durable developing, MOCM 11, 2005, ISSN 1224-7480, vol. 2, pg. 64-67
57. **Panainte Mirela**, Nedeff Valentin, Moșneguțu Emilian, Savin Carmen – Respect concerning to reduction gases with greenhouse effect, MOCM 11, 2005, ISSN 1224-7480, vol. 2, pg. 108-111
58. **Panainte Mirela**, Nedeff Valentin, Savin Carmen, Moșneguțu Emilian - Theoretical consideration regarding the determination of energy consumption at crumbling by cutting of products with variable texture, MOCM 11, 2005, ISSN 1224-7480, vol. 2, pg. 229-234

VI. Lucrări publicate în volumele unor conferințe naționale și internaționale

1. Irimia Oana, Tomozei Claudia, Nedeff Valentin, Mirela Panainte Lehadus, Experimental results regarding the groundwater quality in rural zone in romania, 17 th International Multidisciplinary Scientific GeoConference SGEM 2017, ISBN: 978-1-5108-4819-1, 2017, p. 463-470
2. Tomozei Claudia, Irimia Oana, Nedeff Valentin, Mirela Panainte Lehadus, Measurement of the noise level of the tailors, 17 th International Multidisciplinary Scientific GeoConference SGEM 2017, ISBN: 978-1-5108-4819-1
3. L. Tataru, V. Nedeff, N. Barsan, M. Panainte-Lehadus, E. F. Mosnegutu, Efficiency studies of hollow fiber organic membranes in restraining yeast from wastewater subjected to ultrafiltration, Proceeding of the International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, ISBN: 978-1-5108-4819-1
4. A. Cochiorca, V. Nedeff, N. Barsan, M. Panainte-Lehadus, E. F. Mosnegutu, Aspects related to water quality assessment in a mining activity area. Case study, mining area Tg. Oghina, Romania, Proceeding of the International

- Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, ISBN: 978-1-5108-4819-1
5. Mirela Panainte-Lehadus, Valentin Nedeff, Emilian Mosnegutu, Iuliana Caraman, Narcis Barsan, Production and distribution of green products in Romania, SGEM 2015, Albena, Bulgaria.
 6. Mirela Panainte_Lehadus, Valentin Nedeff, Emilian Moşneguţu, Antonina Temea, Claudia Tomozei, Oana Irimia, Study regarding occupational health and safety management at the „Vasile Alecsandri” University of Bacău, EE&AE’2015 – VIth INTERNATIONAL SCIENTIFIC CONFERENCE, ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING, „Angel Kanchev” University of Ruse, 11 – 12 November 2015, _Organizatori* _ „Angel Kanchev” University of Ruse
 7. Olaru Ciprian, Nedeff Valentin, **Panainte - Lehăduş Mirela**, Olaru Ionel, Ciobanu Elena, The shredding of soft-textured food materials by means of unheated metal wire cutting, TE-RE-RD 2014 -The 6 th International conference on advanced concepts in mechanical engineering, p. 291-296, ISSN 2359-7941, ISSN-L2359-7941.
 8. **Mirela Panainte-Lehadus**, Valentin Nedeff, Emilian Mosnegutu, Iuliana Caraman, Narcis Barsan, PRODUCTION AND DISTRIBUTION OF GREEN PRODUCTS IN ROMANIA, 15th International Multidisciplinary Scientific GeoConference SGEM 2015, SGEM2015 Conference Proceedings, ISBN 978-619-7105-40-7/ ISSN 1314-2704, June 18-24, 2015, Book5 Vol. 2, pp 397-404,
 9. Valentin Nedeff, Vassilis Inglezakis, Iuliana Lazar, **Mirela Panainte**, Emilian Mosnegutu, Iuliana Caraman, Gabriel Lazar, Green products theme as learning subject, EDULEARN13 Proceedings, 5th International Conference on Education and New Learning Technologies, July 1st-3rd, 2013 — Barcelona, Spain, p. 3403-3408, ISBN 978-84-616-3822-2.
 10. **M. Panainte**, I. Caraman, V. Nedeff, V. Inglezakis, C. Venetis, P. Coutsikos, G. Lazar and N. Barsan, Green market comparative study in Romania, Proceedings of the 4th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX Conference, ISBN: 978-960-6865-68-8, Mykonos island, Greece , June 24-28, 2013, p. 703-708
 11. Moşneguţu Emilian, **Panainte Mirela**, Nedeff Valentin, Tomozei Claudia, Irimia Oana, Waste management system at „Vasile Alecsandri” University of Bacau, EEA&AE’2013 – International Scientific Conference, 17-18.05.2013, Ruse Bulgaria, pag. 496 – 503;
 12. **Panainte Mirela**, Moşneguţu Emilian, Nedeff Valentin, Felegeanu Daniel – An analyze of the occupational health, safety and security system at the „Vasile Alecsandri” University of Bacau, EEA&AE’2013 – International Scientific Conference, 17-18.05.2013, Ruse Bulgaria, pag. 322-329;
 13. Nedeff Florin Marian, **Panainte Mirela**, Lazăr Gabriel, Theoretical study regarding the environmental impact of civil engineering , EE&AE2013 – Energy efficiency and agricultural engineering, BULGARIAN NATIONAL SOCIETY OF AGRICULTURAL ENGINEERS “Engineering and Research for Agriculture”, ISSN 1311-9974, pg. 291-298
 14. **Panainte Mirela**, Caraman Iulia, Nedeff Valentin, Inglezakis Vassilis, Lazar Gabriel, Barsan Narcis, Impact of Green Products on Romanian Consumers, Proceedeings of the 23rd International DAAAM Symposium, 2012, Vol. 23, no. 1, pp. 997-1000, ISSN 2304-1382, ISBN 978-3-901509-91-9.
 15. V.J. Inglezakis, V. Nedeff, G. Lazar, M. Panainte, C. Cobzaru - Consumers attitude towards green products in Romania, Journal of International Scientific Publications: Ecology & Safety Vol. 5, Part 1, page 79-87, 2011
 16. Lazar G., Nedeff V., Panainte M., Caraman I., Mosnegutu E., Muraru C., Inglezakis V.J., Zorpas A., Venetis C., and Coutsikos P - A market research for eco-labeled products in Romania, Proceedings of the 12th International Conference On Environmental Science & Technology CEST, pag. 131, ISSN 1106-5516, ISBN 978-960-7475-49-7, 2011
 17. V. J. Inglezakis, A. A. Zorpas, V. Nedeff, G. Lazar, **M. Panainte** - Green Products and Eco-labelling: An EU-project in Romania, Programme of Second international Symposium on green chemistry for environment and health, Mykonos, Royal Mykonian Hotel & Thalasso Spa September 27-29, 2010
 18. Valentin Nedeff, **Mirela Panainte**, Bogdan Constantin Macarescu, Emilian Mosnegutu, Mihail Ristea - Reducing pollution from electricity -dusting facility modernization from endowment a large combustion plants, 10th International Conference “Research and Development in Mechanical Industry” RaDMI 2010, 16 - 19. September 2010, Donji Milanovac, Serbia
 19. Nedeff Valentin, **Panainte Mirela**, Măcărescu Bogdan, Moşneguţu Emilian, Savin Carmen, Ristea Mihail Research on the environmental impact caused by emission of particulate matter (PM10), produced by the activity of plants producing concrete Energy efficiency and agricultural engineering International Scientific Conference EE&AE 2009, Rousse Bulgaria 2009/Pg. 703-709
 20. Nedeff Valentin, Savin Carmen, **Panainte Mirela**, Moşneguţu Emilian, Măcărescu Bogdan, Ambăruş Alexandru - Theoretical considerations about the non-newtonian mixtures rheology. The analytic determination of the structural apparent viscosity 9th International Conference RaDMI 2009, Budva, Montenegro, Krusevac, Serbia, ISBN 978—86-6075-007-7 Conferinţa internaţională 2009, vol 1/p.1165-1171
 21. Mosnegutu Emilian Florin, Nedeff Valentin, **Panainte Mirela**, Măcărescu Bogdan, Savin Carmen – Studies and research considering the behaviour of solid particles in an air channels with variable section, International Conference ICQME, 2008, pg. 181 – 190, ISSN 1800-6450;

22. **Mirela Panainte**, Valentin Nedeff, Emilian Mosnegutu, Carmen Savin, Bogdan Macarescu - Determination of Grinding Energy Through Method of Dynamic Tests at Fruits with Variable Texture, TMT, 2008, ISBN 978-9958-617-41-6
23. Savin Carmen, Nedeff Valentin, Zichil Valentin, **Panainte Mirela**, Mosnegutu Emilian , Ambăruș Alexandru - Ways of determination for power consumption needed to realize the mixing operation in care of non-newtonian mixtures, International Conference "Research and Development in Mechanical Industry", RaDMI 2008, ISBN 86 -83803.
24. Savin Carmen, Zichil Valentin, Nedeff Valentin, **Panainte Mirela**, Mosnegutu Emilian – *The mixing shaft`s optimiyation using the Finite Element Method*, 7th International Conference Research and Development in Mechanical Industry, RaDMI 2007, Budva, Montenegro Krusevac, Serbia, ISBN 86 -83803 -22-4, pg. 21-26.
25. **Panainte Mirela**, Nedeff Valentin, Mosnegutu Emilian, Savin Carmen – Determination of griding energy through torsion moment measured from shaft of cutting device in case of tubercles and root crop legumes, 7th International Conference Research and Development in Mechanical Industry, RaDMI 2007, Budva, Montenegro Krusevac, Serbia, ISBN 86 -83803 -22-4, pg. 855-860.
26. **Panainte M.**, Nedeff V., Mosnegutu E., Savin C., - Aspects regard the variation of energy consumption to grinding through broken at vegetables with hard texture, 6th International Conference "Research and Development in Mechanical Industry" RaDMI 2006, 13 - 17. September 2006, Budva, Montenegro
27. Savin C., Nedeff V., Zichil V., Panainte M., Mosnegutu E. - Methods of determination of the structural viscosity for the binary phases non-newtonian mixtures, 6th International Conference "Research and Development in Mechanical Industry" RaDMI 2006, 13 - 17. September 2006, Budva, Montenegro
28. Savin C., Nedeff V., Zichil V., **Panainte M.**, Mosnegutu E. - Methods of determination of the structural viscosity for the binary phases non-newtonian mixtures, 6th International Conference "Research and Development in Mechanical Industry" RaDMI 2006, 13 - 17. September 2006, Budva, Montenegro
29. Carmen Savin , ValentinNedeff, Valentin Zichil, **Mirela Panainte**, Emilian Moșneguțu - The experimental study of structural viscosity which characterized the non-newtonian food mixtures, 10th International Research/Expert Conference, 10th International Research/Expert Conference "Trends in the Development of machinery and Associated Technology" – TMT 2006, 11-15 sept, Barcelona, Spain, pg. 1195-1199, ISBN 9958-617-30-7;
30. Valentin Nedeff, Bogdan Macarescu, Emilian Mosneguțu, **Mirela Panainte** - The determination the pollution emissions of SO₂, NO_x, CO, CO₂ and O₂ from the channels of burnt gas on boiler of 420 t/h – steam, in the sight application proceeding to reduce of these, 1st International Conference ICQME 2006 (Quality, Management, Environmenta, Education, Engineering), Montenegro.
31. Emilian Moșneguțu, Valentin Nedeff, **Mirela Panainte** - Studies and researches concerning influence of particles quanity to the pneumatic separation, 9 International Research / Expert conference "Trends in the development of machinery and associated Technology"/ Antalya, TMT 2005, pg. 1383-1386.
32. Carmen Savin, Valentin Nedeff, Valentin Zichil, **Mirela Panainte** - Theoretical considerations about determination consumptions of energy for obtaining non-newtonian blends, 9 International Research / Expert conference "Trends in the development of machinery and associated Technology"/ Antalya, TMT 2005, pg. 1379-1382.
33. Moșneguțu E. , Nedeff V., **Panainte M.**, Burcă G. - Theoretic study concerning the behaviour on solid particle into vertical air flow, pg. 744-747 RaDMI 2005, 04 -07 September 2005, Vrnjačka Banja, Serbia and Montenegro.
34. **Panainte Mirela**, Nedeff Valentin, Savin Carmen, Mosnegutu Emilian – Respect concerning determination of energy consumption at grinding to vegetable products through texture analyses, 10th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2006, Barcelona-Lloret de Mar, Spain, 11-15 September, 2006, ISBN 9958-617-30-7, pp. 1155-1158