

Lista de lucrări/activități reprezentative

conf. univ. dr. ing. **Mirela Panainte-Lehăduș**

1. Teza de doctorat

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

2. Brevete/invenții

3. Cărți și capitole în cărți

1. Oana Țârtoacă Irimia, **Mirela Panainte**, Gabriel Lazăr, Valentin Nedeff (coordonator), Potabilizarea apelor. Procedee și tehnici de filtrare, Ed. Alma Mater Bacău, 2014.
2. Claudia Tomozei, **Mirela Panainte**, Gabriel Lazăr, Valentin Nedeff (coordonator), Reducerea poluării fonice în mediul industrial, Ed. Alma Mater Bacău, 2014.
3. **Mirela Panainte**, Valentin Nedeff, Bogdan Constantin Macarescu, Emilian Moșneguțu – 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
4. **Mirela Panainte**, Valentin Nedeff, Bogdan Constantin Macarescu, Emilian Moșneguțu – 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
5. **Mirela Panainte**, Valentin Nedeff, Bogdan Constantin Macarescu, Emilian Moșneguțu – 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
6. Moșneguțu 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
7. Savin Carmen, **Panainte Mirela**, Moșneguțu 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
8. Bogdan Constantin Macarescu, Valentin Nedeff, **Mirela Panainte**, Emilian Moșneguțu – 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
9. Bogdan Constantin Macarescu, Valentin Nedeff, **Mirela Panainte**, Emilian Moșneguțu – 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
10. **Panainte Mirela**, Moșneguțu 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
11. 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

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

4.1. Lucrări publicate în reviste cotate ISI (selecție)

1. **Mirela Panainte**, Vassilis Inglezakis, Iuliana Caraman, Mihai C. Nicolescu, Emilian Moșneguțu, Florin Nedeff - The evolution of eco-labeled products in Romania, Environmental Engineering and Management Journal, 2014, vol. 13, no. 7, pp. 1665-1671, **FI 1.258**
2. **Mirela Panainte**, Marius Stănilă, Emilian Moșneguțu, Oana Irimia, Doina Capșa, Florin Nedeff, Claudia Tomozei, Ion Joița, Gabriela Telibașa - Monitoring emissions from large combustion plants, Environmental Engineering and Management Journal, 2014, vol. 13, no. 7, pp. 1657-1663, **FI 1.258**

3. Doina Capsa, **Mirela Panainte**, Dana Chitimus, Marius Stanila, Daniel-Catalin Felegeanu, **Accidental pollution with ammonnia. Influence of meteorological factors** , Environmental Engineering and Management Journal, 2014, vol. 13, no. 7, pp. 1573-1580, **FI 1.258**
4. **Mirela Panainte**, Iuliana Caraman, Valentin Nedeff, Vassilis Inglezakis, Christos Venetis, Philipos Coutsikos, Gabriel Lazar, Narcis Barsan - Green market: a comparative study in Romania, FRESINIUS ENVIRONMENTAL BULLETIN, 2014, vol. 23, no. 11, pp. 2870-2875, **FI 0.527**
5. OLARU Ciprian, NEDEFF Valentin, PANAITI-LEHADUS Mirela, OLARU Ionel, Losses Analysis of Materials Resulted From Shredding of Food Materials With Soft Texture by Means of Metal Wire Cutting, *Applied Mechanics and Materials*, 2014, vol. 659, pp. 533-538
6. MOȘNEGUTU Emilian, NEDEFF Valentin, **PANAINTE- LEHADUȘ Mirela**, BONTAȘ Ovidiu, BARSAN Narcis, TOMOZEI Claudia and CHIȚIMUS Dana, Studies and research concerning the displacement of solid particle on an oscillatory flat surface, *Applied Mechanics and Materials*, 2014, vol. 659, pp. 521-526
7. 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, 2013, vol. 12, no. 1, pp. 163-166, **FI 1.117**
8. Irimia Oana Tirtoaca, Tomozei Claudia, **Panainte Mirela** et al. Efficiency of Filters with different filtering materials: comparative study in water treatment, Environmental Engineering and Management Journal, 2013, vol.12, no. 1, pp. 35-39, **FI 1.117**
9. Stănilă Marius, Nedeff Valentin, Chițimuş Dana, Moșneguțu Emilian, **Panainte Mirela**, Optimization of a mixed cycle gas turbine Titan 130S type operating under partial loads, Environmental Engineering and Management Journal, 2013, vol. 12, no.1, **FI 1.117**
10. Ovidiu Bontas, Valentin Nedeff, Emilian Florin Mosnegutu, **Mirela Panainte**, Oana Tirtoacă Irimia, Behaviour of solid particles on a flat oscillating surface, Environmental Engineering and Management Journal, January, 2013, vol.12, no. 1, pp. 17-22, **FI 1 .117**
11. 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, **FI 1.117**
12. Alexandra-Dana Chițimuş, Valentin Nedeff, Emilian Florin Moșneguțu, **Mirela Panainte** - In situ soil flushing – studies on yield of polluted remediation sandy soils with organic compounds acids, Environmental Engineering and Management Journal, 2012, vol.11, no.12, 1582-9596, **FI 1.117**
13. Narcis Bârsan, Valentin Nedeff, Emilian Florin Moșneguțu, **Mirela Panainte** - Heat balance components of a small sequencing batch reactor applied for municipal wastewater treatment, Environmental Engineering and Management Journal, 2012, vol.11, no.12, 2131-2138, **FI 1.117**
14. Valentin Nedeff, Emilian Moșneguțu, **Mirela Panainte**, Mihail Ristea, Gabriel Lazăr, Dan Scurtu, Bogdan Ciobanu, Adrian Timofte, Ștefan Toma, Maricel Agop - Dynamics in the boundary layer of a flat particle, Powder Technology, 2012, vol. 221, pp. 312–317, **FI 2.024**

4.2. Lucrări publicate în proceedings cotate ISI (selecție)

1. **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
2. **Panainte, M.**, Nedeff, V., Savin, C., Analysis of breaking up proceeding for variable texture of materials , Conference: 14th International Symposium of the Danube-Adria-Association-for-Automation-and-Manufacturing Location: Sarajevo, BOSNIA & HERCEG Date: OCT 22-25, 2003 , Source: Annals of DAAAM for 2003 & Proceedings of the 14th International DAAAM Symposium: Intelligent manufacturing & automation: focus on reconstruction and development Pages: 335-336
3. Savin, C., Nedeff, V. **Panainte, M.**, Analysis of mixture process for materials with variables viscous, Co,nference: 14th International Symposium of the Danube-Adria-Association-for-Automation-and-Manufacturing Location: Sarajevo, BOSNIA & HERCEG Date: OCT 22-25, 2003, Source: Annals of DAAAM for 2003 & Proceedings of the 14th International DAAAM Symposium: Intelligent manufacturing & automation: focus on reconstruction and development Pages: 399-400

4.3. Lucrări publicate în reviste indexate în baze de date internaționale (BDI) (selecție)

1. Jessica Alcaraz, Marine Ridoire, **Mirela Panainte-Lehăduș**, Mariana Turcu, Narcis Bârsan, Dana Chițimbuș, 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
2. 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.
3. **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 Iași Tomul LVI (LX), Fasc. 4B, Secția Construcții de Mașini, 2012, ISSN 1011-2855, pp, 283 – 289.
4. 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.
5. Doina Capșa, Valentin Nedeff, Maria Vasilică, 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.
6. 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
7. Bontaș Ovidiu, Nedeff Valentin, Moșneguțu 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
8. 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
9. 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,
10. 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
11. 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
12. Emilian Moșneguțu, 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 Iași, publicat de Universitatea tehnică, Gheorghe Asachi din Iași, Tomul LVI (LX), Fasc. 4B, Secția Construcții de mașini, 2010 , ISSN 1011-2855, pg. 433,
13. 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 LVI (LX), Fasc. 4B, Secția Construcției de mașini, 2010 , ISSN 1011-2855, pg. 461

14. **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

5. Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate (selecție)

1. **Mirela Panainte-Lehadus**, Valentin Nedeff, Emilian Mosnegutu, Iuliana Caraman, Narcis Barsan, Production and distribution of green products in Romania, SGEM 2015, Albena, Bulgaria.

2. **Mirela Panainte Lehadus**, Valentin Nedeff, Emilian Moșneguțu, 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

3. Olaru Ciprian, Nedeff Valentin, **Panainte - Lehăduș 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.

4. **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,

5. 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.

6. **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

7. Moșneguțu 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;

8. **Panainte Mirela**, Moșneguțu 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;

9. 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

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. **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.

12.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

13.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

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