



ROMÂNIA
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**SITUAȚIA ÎNDEPLINIRII STANDARDELOR MINIMALE
NECESARE ȘI OBLIGATORII PENTRU CONFERIREA
TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR
ȘI A GRADELOR PROFESIONALE DE CERCETARE –
DEZVOLTARE**

Anexa nr. 18 - COMISIA INGINERIA MEDIULUI

Conf.univ.dr.ing. Emilian-Florin MOȘNEGUȚU
Universitatea „Vasile Alecsandri” din Bacău

FIȘĂ DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE NAȚIONALE PENTRU ATESTATUL DE ABILITARE

Verificare îndeplinirii standardelor minimale (cumulative)

| Standarde minimale necesare și obligatorii | Valoare criteriu standard | Valoare criteriu candidat |
|--|-----------------------------------|----------------------------------|
| Număr total de articole în reviste ISI (NT) | $NT \geq 25$ | 85 |
| Număr total de articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență) (NP) Număr lucrări în reviste cu $FI > 1$, NP (cu $FIC > 1$) | $NP \geq 10$ | 19 |
| | $NP \text{ (cu } FIC > 1) \geq 6$ | 10 |
| Factorului de impact, FIC (articole în reviste cotate ISI+brevete) | $FIC \geq 20$ | FIC=42.33 |
| Numărul total de citări (din baza SCOPUS sau ISI WEB OF SCIENCE, excluzându-se autocitările) | $NC \geq 100$ | 210 |

NUMĂR TOTAL ARTICOLE ISI (NT)

| Nr. crt. | Articol | FI revista |
|----------|--|------------|
| 1. | Nedeff, V., Raveica, C., Mosnegutu, E., Commiss Int Org Scientif Travail, A.G.R., Commiss Int Org Scientif Travail, A.G.R., The hanging agriculture and direct active mechanical energy consumption, Int Comm Work Studies & Labour Management Agr; Int Comm Agr Engr, Sect V, WORK SCIENCES IN SUSTAINABLE AGRICULTURE Pages: 384-389 1999, WOS:000083320100060 | 0 |
| 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 | 0 |
| 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 | 0 |
| 4. | Valentin, Nedeff; Valentin, Zichil; Savin, Carmen; Bogdan, Macarescu; Emilian, Mosnegutu, A new method to determinate the viscosity of the non-Newtonian mixtures, METALURGIA INTERNATIONAL, 2008, vol. 13, nr. 7, pag. 21-26, WOS:000256692000005 | 0 |
| 5. | Milenkovic, D., Dasic, P., Nedeff, V., Mosnegutu, E., Analysis of Regression Models of Maximal Adsorption on High-porosity adsorbents with and without ultrasound application, Revista De Chimie, vol. 60, no. 7, 2009, pp. 706-710, WOS:000269089200012 | 0 |
| 6. | 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 | 0 |
| 7. | Panainte, Mirela; Nedeff, Valentin; Macarescu, Bogdan; Mosnegutu, Emilian; Tomozei, Claudia, Studies and research on the environmental impact of noise created by a work station for producing concrete, METALURGIA INTERNATIONAL, 2009, vol. 14, pag 73-76, WOS:000270962400015 | 0 |
| 8. | 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 | 0 |
| 9. | 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 | 0 |
| 10. | 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. 11, 2010, pp. 123-129, WOS:000280440800024 | 0 |
| 11. | 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 | 1.1 |
| 12. | 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 | 1.1 |

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|-----|---|-----|
| | and Management Journal, vol. 11, no. 12, 2012, pp. 2163-2168, 10.30638/eemj.2012.269, WOS:000314169000007 | |
| 13. | 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 | 5,2 |
| 14. | 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 | 1.1 |
| 15. | 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 | 1.1 |
| 16. | 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 | 1.1 |
| 17. | 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 | 0 |
| 18. | 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 | 1.1 |
| 19. | 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 3 Rd International Conference on Quality and Innovation in Engineering and Management 978-973-662-978-5, 2014, pp. 393-396, WOS:000346410700072 | 0 |
| 20. | Alexandra-Dana Chiţimuş, Emilian Florin Moşneguţu, Mihai C Nicolescu, Mariana Turcu, Mihai Belciu, Greta Ardeleanu, Mathematical modelling of water migration time in soil, Environmental Engineering and Management Journal, 1582-9596 2014, vol. 13, nr. 7, pp. 1581-1586, 10.30638/eemj.2014.175, WOS:000344577400005 | 1.1 |
| 21. | 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 | 1.1 |
| 22. | 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 | 1.1 |
| 23. | Valentin Nedeff, Gabriel Lazar, Maricel Agop, Emilian Mosnegutu, Mihail Ristea, Lăcrămioara Ochiuz, Lucian Eva, Cristina Popa - Non-linear behaviours in complex fluid dynamics via non-differentiability. Separation control of the solid components from, eterogeneous mixtures, Powder Technology, 0032-5910 Volume 269, January 01, 2015, Pages 452-460, 10.1016/j.powtec.2014.09.040, WOS:000347507100051 | 5,2 |
| 24. | Panainte-Lehăduş, M., Nedeff, V., Moşneguţu, E., Caraman, I., Bârsan, N., Production and distribution of green products in Romania, 15th International Multidisciplinary Scientific Geoconference and EXPO, SGEM 2015; Albena; Bulgaria; 18 June 2015 through 24 June 2015, ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, VOL II, Volume 2, 2015, Pages 397-404, WOS:000370814500052 | 0 |

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|-----|---|-----|
| 25. | Mosnegutu, E., Nedeff, V.a, Bontas, O.b, Barsan, N.a, Chitimus, D.a, Rusu, Determination of kinematic indices corresponding to a solid particle on a flat oscillating surface(Conference Paper)(Open Access), IOP Conference Series: Materials Science and Engineering, Volume 147, Issue 1, 2 September 2016, Article number 012151, 7th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2016; Iasi; Romania; 9 June 2016 through 10 June 2016; Code 123857, 10.1088/1757-899X/147/1/012151, WOS:000390720200151 | 0 |
| 26. | Panaite-Lehadus, , Olaru, C.a, Nedeff, V.a, Olaru, I.b, Mosnegutu, E., The study behavior of food materials with soft texture subjected to shredding by cutting(Conference Paper)(Open Access), IOP Conference Series: Materials Science and Engineering, Volume 147, Issue 1, 2 September 2016, Article number 012150, 7th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2016; Iasi; Romania; 9 June 2016 through 10 June 2016; Code 123857, 10.1088/1757-899X/147/1/012150, WOS:000390720200150 | 0 |
| 27. | Chitimus Alexandra-Dana, Cristian Radu, Valentin Nedeff, Emilian Mosnegutu, Narcis Bârsan, Studies and researches on typha latifolia's (bulrush) absorption capacity of heavy metals from the soil, Scientific Study and Research. Chemistry and Chemical Engineering, Biotechnology, Food Industry, 1582-540X 2016, vol. 17, no. 4, pp. 381 – 393 | 0 |
| 28. | Mariana Turcu, Narcis Bârsan, Emilian Moşneguţu, Mihaela Dascălu, Dana Chiţimuş, Cristian Radu, Application of the flocculation process in the industrial wastewater treatment, Environmental Engineering and Management Journal, 1582-9596 Volume 15, Issue 3, 1 April 2016, Pages 521-526, WOS:000376876400005 | 1.1 |
| 29. | Petrovici, A.M., Cueto, J.L., Gey, R., (...), Tomozei, C., Mosnegutu, E. , Optimization of some alternatives to noise barriers as noise mitigation measures on major roads in Europe. Case study of a highway in Spain 2016 Environmental Engineering and Management Journal 15(7), pp. 1617-1628, WOS:000384472000021 | 1.1 |
| 30. | Mihai-Cosmin Belciu, Emilian Florin Moşneguţu, Valentin Nedeff, Alexandra-Dana Chiţimuş, Narcis Barsan, Silvia Fiore - Production capacity of leachate from Bihor landfill Environmental Engineering and Management Journal, 1582-9596 2016, vol. 15, no. 3 pp. 2057-2062, WOS:000390326200019 | 1.1 |
| 31. | Barsan N., Nedeff V., Temea A., Mosnegutu E., Chitimus A.D., Tomozei C., A perspective for poor wastewater infrastructure regions: A small-scale sequencing batch reactor treatment system, Chemistry Journal of Moldova, Volume 12, Issue 1, 2017, Pages 61-66, dx.doi.org/10.19261/cjm.2017.387 | 0,5 |
| 32. | Cochiorca, A., Nedeff, V., Bârsan, N., Moşneguţu, E.F., Panainte-Lehăduş, 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 | 0,3 |
| 33. | Dascălu, M.-E., López-Ramírez, J.A.b, Nedeff, V.a,c, Mosneguţu, E.a, Rusu, D., Application of excitation emission matrixes spectroscopy to study humic acids rejection with TiO2 nanofiltration membrane with enlarged area, Scientific Study and Research: Chemistry and Chemical Engineering, Biotechnology, Food Industry, Volume 19, Issue 3, 2018, Pages 313-321, WOS:000444839800007 | 0,3 |
| 34. | Oana Maria Muscalu (Plescan), Valentin Nedeff, Alexandra Dana Chitimus, Ioan Gabriel Sandu, Elena Partal, Emilian Mosnegutu, Ion Sandu, Dragos Ioan Rusu, Influence of fertilization systems on physical and chemical properties of the soil, REVISTA DE CHIMIE (Bucharest) vol. 69, No. 11, 2018, p. 3016-3111, WOS:000451931500031 | 0 |
| 35. | 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 | 0,8 |
| 36. | Moşneguţu, E., Nedeff, V., Bârsan, Rusu, D. , The influence of air velocity on the behavior of a solid particle displacement in a vertical path, Scientific Study and Research: Chemistry and Chemical Engineering, Biotechnology, Food Industry, Volume 19, Issue 4, 2018, Pages 431-441, WOS:000452211700007 | 0,3 |

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|-----|--|-----|
| 37. | 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 | 0 |
| 38. | Mosnegutu, E.F., Nedeff, V., Chitimus, A.D., Rusu, D.I., Joita, I., Aspects regarding the Siret river direction-changing in the Bacau county region, Romania, International Journal of Conservation Science, vol. 10, no. 1, 2019, p. 131-138, WOS:000462542400012 | 0,8 |
| 39. | 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 | 0,3 |
| 40. | 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 | 0,8 |
| 41. | 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 <i>Folsomia candida</i> and <i>Eisenia andrei</i> in laboratory conditions, Revista De Chimie, vol. 70, no. 3, 2019, p. 809-813, WOS:000464911600014 | 0 |
| 42. | Dascalu, M.E., Nedeff, F., Mosnegutu, E., Sandu, I.G., Lopez-Ramirez, J.A., hydrodynamic surface evaluation of a polymeric reverse osmosis membrane using a crossflow cell, Revista De Chimie, vol. 70, no. 3, 2019, p. 866-870, WOS:000464911600024 | 0 |
| 43. | Fabian, F., Nedeff, V., Birsan, N., Mosnegutu, E., Energy and chemicals consumption evaluation in water treatment plant a comparative study between Bacau and Turin, Revista De Chimie, vol. 70, no. 3, 2019, p. 881-886, WOS:000464911600027 | 0 |
| 44. | Muscalu, O.M., Nedeff, V., Sandu, I.G., Partal, E., Mosnegutu, E., Barsan, N., Sandu, I., Rusu, D., Influence of main works systems on physical and chemical properties of the soil, Revista De Chimie, vol. 70, no. 5, 2019, pp. 1726-1730, WOS:000470086400043 | 0 |
| 45. | Emilian Moşneguţu, Valentin Nedeff, Cristina Carmen Stingu (Palici), Dana Chiţimuş, Dragoş-Ioan Rusu, Ion Joita, Possibilities of software evaluation for the river course modification. Case study: siret river in bacau region sector, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Volume 10, Issue 2, April-June 2019: pag. 371-380, WOS:000488882500016 | 0,8 |
| 46. | Eblin, S.G., Anoh, K.A., Yao, A.B., Soro, N., Nedeff, V., Mosnegutu, E., Sandu, A.V., Mapping groundwater vulnerability to pollution in the region of adiake, southeast coastal of Cote D'ivoire: A Comparative Study of Three (3) Methods, International Journal of Conservation Science, vol. 10, no. 3, 2019, pp. 493-506, WOS:000488882700009 | 0,8 |
| 47. | Lehadus, M.P., Nedeff, V., Barsan, N., Sandu, A.V., Mosnegutu, E., Tomozei, C., Irimia, O., Andrioai, G., Sandu, I., Monitoring the particulate matter (PM10) emissions from Bacau City termo-energetic industry, Revista De Chimie, vol. 70, no. 8, 2019, pp. 2869-2872, WOS:000489685600035 | 0 |
| 48. | Nastuneac, V., Panainte-Lehadus, M., Mosnegutu, E.F., Gavrilas, S., Cioca, G., Munteanu, F.D., Removal of Cypermethrin from water by using <i>Fucus spiralis</i> marine alga, International Journal of Environmental Research and Public Health, vol. 16, no. 19, 2019, 10.3390/ijerph16193663, 31569507, WOS:000494748600159 | 0 |
| 49. | 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 | 0 |
| 50. | 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 | 0,3 |
| 51. | Chitimus, A.D., Nedeff, F.M., Sandu, I., Radu, C., Mosnegutu, E., Barsan, N., Sandu, I.G., Tomozei, C., Absorption capacity of copper and lead in the case of <i>Phragmites australis</i> plant species, Revista De Chimie, vol. 70, no. 11, 2019, pp. 4035-4039, WOS:000503185300054 | 0 |

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|-----|---|-----|
| 52. | 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 | 0 |
| 53. | Alexandra Dana Chitimus, Valentin Nedeff, Ion Sandu, Cristian Radu, Emilian Mosnegutu, Ioan Gabriel Sandu, Narcis Barsan, Mathematical modeling for the absorption capacity of heavy metals from the soil in the case of phragmites australis plant species, REVISTA DE CHIMIE (Bucharest), 2537-5733, 2019, vol. 70, No. 7, p. 2545-2551, WOS:000509920700046 | 0 |
| 54. | Mihaela-Elena Dascălu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Mathematical Model Regarding the Application of the Excitation Emission Matrix Spectroscopy in Nanofiltration Process Using Humic Acid with a TiO ₂ Ceramic Membrane, MATERIALE PLASTICE, 2019, Vol. 56 no. 4, 2019, p. 995-1002, WOS:000509920700046 | 0,8 |
| 55. | Laurentiu Tataru, Narcis Barsan, Florin Marian Nedeff, Ion Sandu, Emilian Mosnegutu, Dana Alexandra Chitimus, Alina Cochiorca, Ioan Gabriel Sandu, Treatment study of brook water by using the ultrafiltration pilot with polymeric membrane MATERIALE PLASTICE, 2019, Vol. 56 no. 4, 2019, p. 986-994, WOS:000509920700045 | 0,8 |
| 56. | Oana-Maria Muscalu (Plescan), Valentin Nedeff, Ioan Gabriel Sandu, Elena Partal, Emilian Mosnegutu, Narcis Barsan, Ion Sandu, Dragos Rusu, Influence of main works systems on physical and chemical, Properties of the Soil Revista de Chimie, 2019, 70, No. 5, p. 1726-1730, WOS:000470086400043 | 0 |
| 57. | Alexandra Dana Chitimus, Valentin Nedeff, Ion Sandu, Cristian Radu, Emilian Mosnegutu, Ioan Gabriel Sandu, Narcis Barsan, Absorption capacity of heavy metals in the case of typha latifolia plant species, Revista de Chimie, 2019, vol. 70, No. 8, 2019, p. 3058-3061, WOS:000489685600076 | 0 |
| 58. | 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 | 0,8 |
| 59. | Oana Tirtoaca Irimia, Mirela Panainte-Lehadus, Claudia Tomozei, Emilian Mosnegutu, Alexandra-Dana Chitimus, Narcis Barsan, Study regarding the measuring of particulate matter PM _{2.5} and PM ₁₀ in industrial working environments, Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry, 2020, 21 (2), pp. 271 – 278, WOS:000546789300012 | 0,3 |
| 60. | Barsan, Narcis; Zaharia, Andrei; Chitimus, Dana; Mosnegutu, Emilian; Florin, Nedeff; Rusu, Dragos; Untila, Carolina; Capsa, Doina, Filtration Theory and Techniques. A Short Review on the Filtration Process, 7TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING (EE&AE) 7th International Conference on Energy Efficiency and Agricultural Engineering (EE and AE), 2020, P34, WOS:000659299700017 | 0 |
| 61. | Chitimus, Alexandra-Dana; Barsan, Narcis; Mosnegutu, Emilian; Corobana, Alina; Nedeff, Valentin; Muscalu (Plescan), Oana-Maria; Partal, Elena, Influence of Soil Fertilization Systems and Crop Rotation on Physical and Chemical Properties of the Soil, 7TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING (EE&AE), 7th International Conference on Energy Efficiency and Agricultural Engineering (EE and AE), 2020, WOS:000659299700016 | 0 |
| 62. | Mosnegutu, Emilian; Chitimus, Alexandra-Dana; Barsan, Narcis; Rusu, Dragos; Vulpe, Mihai; Nedeff, Valentin; Jasinski, Marcin, Studies and Researches Regarding the Influence of the Size of Solid Particles Forming a Heterogenous Mix on the Aerodynamic Separation Process, 7TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING (EE&AE), 7th International Conference on Energy Efficiency and Agricultural Engineering (EE and AE), 2020, WOS:000659299700071 | 0 |

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| 63. | 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 | 1,1 |
| 64. | 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 | 1,1 |
| 65. | 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 | 0 |
| 66. | Florina Fabian, Valentin Nedeff, Narcis Barsan, Mirela Panainte-Lehadus, Emilian Florin Mosnegutu I, 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 | 0 |
| 67. | 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 | 0 |
| 68. | Nikiema, M; Barsan, N; Maiga, Y; Somda, MK; Mosnegutu, E; Ouattara, CAT; Dianou, D; Traore, AS; Nedeff, V; Ouattara, AS, Optimization of biogas production from sewage sludge: impact of combination with bovine dung and leachate from municipal organic waste, SUSTAINABILITY, vol. 14, no. 8, 2022, 4380, 10.3390/su14084380, WOS:000787961900001 | 3.9 |
| 69. | Ghezali, K; Bentahar, N; Barsan, N; Nedeff, V; Mosnegutu, E, Potential of canna indica in vertical flow constructed wetlands for heavy metals and nitrogen removal from algiers refinery wastewater, SUSTAINABILITY vol. 14, no. 8, 2022, 4394, 10.3390/su14084394, WOS:000786356700001 | 3.9 |
| 70. | 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 | 3.9 |
| 71. | 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 | 3.5 |
| 72. | Mohamed Abdelwaheb, Valentin Nedeff, Sonia Dridi-Dhaouadi, Emilian Florin Mosnegutu, Alexandra-Dana Chițimus, Assessment quality of agricultural soils from tunisian region-Kalaa Kebira sousse to assessment of a tunisian agricultural soil properties, Fresenius Environmental Bulletin, 2022, vol. 31, nr. 8, pag. 7767- 7771, WOS:000845078600035 | 0 |
| 73. | Dalila Belhout; Zahia Tigrine; Emilian Florin Mosnegutu; Ferhat Kamel Benabdelaziz, Management of reverse osmosis concentrate by solar distillation, Water Supply, vol. 22, no. 8, 2022, pp. 6490-6503, 10.2166/ws.2022.269, WOS:000847797600002 | 1.7 |
| 74. | Mirela Panainte-Lehadus; Mihai Vulpe; Valentin Nedeff; Emilian Mosnegutu; Grzegorz Przydatek; Claudia Tomozei; Dana Chitimus, Study Regarding the Household Waste Collection Method. Case Study, Applied Sciences, 2022, vol. 12, no. 15, 2022, 7490, 10.3390/app12157490, WOS:000838899700001 | 2.7 |
| 75. | Mirela Panainte-Lehaduș, Emilian Moșneguțu, Narcis Bârsan , 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 | 3.5 |

| | | |
|-----|--|-----|
| 76. | Emilian Moşneguţu, Claudia Tomozei, Mirela Panainte-Lehăduşu, Dana Chiţimuş 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 | 3.5 |
| 77. | Mohamed Abdelwaheb, Valentin Nedeff, Sonia Dridi-Dhaouadi, Emilian Moşneguţu, Narcis Barsan, Alexan-dra-Dana Chiţimuş, Assessment of cadmium and copper adsorption by two agricultural soils from Romania and Tunisia: risk of water resource pollution, Processes, 2022, vol. 10, no. 9, 1802, 10.3390/pr10091802, WOS:000856653500001 | 3.5 |
| 78. | 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 | 0 |
| 79. | Przydatek Grzegorz, Moşneguţu Emilian, Cabała Adrian, Irimia Oana, Hazardous Waste Advanced Management in a Selected Region of Poland, Processes, 2022, vol. 10, nr. 10, ID 2032, 10.3390/pr10102032, WOS:000875217200001 | 3.5 |
| 80. | Oana, Irimia; Grzegorz, Przydatek; Mirela, Panainte-Lehadus; Claudia, Tomozei; Emilian, Mosnegutu; Piotr, Gawron, Indicators of Impact Selected Municipal Units on the Air Quality-Case Study from Poland and Romania, PROCESSES, DEC 2022, vol. 10, nr. 12, 2485, 10.3390/pr10122485, WOS:000902812200001 | 3,5 |
| 81. | Goldan, E., Nedeff, V., Barsan, N., Culea, M., Panainte-Lehadus, M., Mosnegutu, E., Tomozei, C., Chitimus, D., Irimia, O., Assessment of Manure Compost Used as Soil Amendment-A Review, Processes, vol. 11, no. 4, 2023, 1167, 10.3390/pr11041167, WOS:000977626500001 | 3,5 |
| 82. | 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 | 3,9 |
| 83. | 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 | 3,4 |
| 84. | Przydatek, G., Ryniewicz, A., Irimia, O., Tomozei, C., Mosnegutu, E., Bodziony, M., Analysis of noise levels in typical passenger cars, Sustainability, vol. 15, no. 10, 2023, 7910, 10.3390/su15107910, WOS:000996837100001. | 3,9 |
| 85. | Chitimus Dana, Nedeff Valentin, Emilian Mosnegutu*, Narcis Bârsan, Oana Irimia, Florin Nedeff, Studies on the accumulation, translocation, and enrichment capacity of soils and the plant species Phragmites Australis (Common Reed) with heavy metals, SUSTAINABILITY, 2023, vol. 15, nr. 11, ID 8729; 10.3390/su15118729, WOS:001005352300001 | 3,9 |
| | Total | |

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NUMĂR ARTICOLE ÎN REVISTE ISI CA AUTOR PRINCIPAL (PRIM AUTOR SAU AUTOR DE

| Nr. crt. | Articol | Observații | FI (valabil la momentul depunerii dosarului) | FI > 1 |
|----------|---|-----------------|--|--------|
| 1. | Mosnegutu, E., Nedeff, V.a, Bontas, O.b, Barsan, N.a, Chitimus, D.a, Rusu, Determination of kinematic indices corresponding to a solid particle on a flat oscillating surface(Conference Paper)(Open Access), IOP Conference Series: Materials Science and Engineering, Volume 147, Issue 1, 2 September 2016, Article number 012151, 7th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2016; Iasi; Romania; 9 June 2016 through 10 June 2016; Code 123857, 10.1088/1757-899X/147/1/012151, WOS:000390720200151 | Autor principal | 0 | NU |
| 2. | Mihai-Cosmin Belciu, Emilian Florin Moșneguțu, Valentin Nedeff, Alexandra-Dana Chițimuș, Narcis Barsan, Silvia Fiore - Production capacity of leachate from Bihor landfill Environmental Engineering and Management Journal, 1582-9596 2016, vol. 15, no. 3 pp. 2057-2062, WOS:000390326200019 | corespondent | 1.1 | DA |
| 3. | Moșneguțu, E., Nedeff, V., Bârsan, Rusu, D. , The influence of air velocity on the behavior of a solid particle displacement in a vertical path, Scientific Study and Research: Chemistry and Chemical Engineering, Biotechnology, Food Industry, Volume 19, Issue 4, 2018, Pages 431-441, WOS:000452211700007 | Autor principal | 0,3 | NU |
| 4. | Mosnegutu, E.F., Nedeff, V., Chitimus, A.D., Rusu, D.I., Joita, I., Aspects regarding the Siret river direction-changing in the Bacau county region, Romania, International Journal of Conservation Science, vol. 10, no. 1, 2019, p. 131-138, WOS:000462542400012 | Autor principal | 0,8 | NU |
| 5. | Emilian Moșneguțu, Valentin Nedeff, Cristina Carmen Stingu (Palici), Dana Chițimuș, Dragoș-Ioan Rusu, Ion Joita, Possibilities of software evaluation for the river course modification. Case study: siret river in bacau region sector, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Volume 10, Issue 2, April-June 2019: pag. 371-380, WOS:000488882500016 | Autor principal | 0,8 | NU |
| 6. | Mihaela-Elena Dascălu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Mathematical Model Regarding the Application of the Excitation Emission Matrix Spectroscopy in Nanofiltration Process Using Humic Acid with a TiO2 Ceramic Membrane, MATERIALE | corespondent | 0,8 | NU |

| | | | | |
|-----|---|-----------------|-----|----|
| | PLASTICE, 2019, Vol. 56 no. 4, 2019, p. 995-1002, WOS:000509920700046 | | | |
| 7. | 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 | Autor principal | 0,8 | NU |
| 8. | Mosnegutu, Emilian; Chitimus, Alexandra-Dana; Barsan, Narcis; Rusu, Dragos; Vulpe, Mihai; Nedeff, Valentin; Jasinski, Marcin, Studies and Researches Regarding the Influence of the Size of Solid Particles Forming a Heterogenous Mix on the Aerodynamic Separation Process, 7TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING (EE&AE), 7th International Conference on Energy Efficiency and Agricultural Engineering (EE and AE), 2020, WOS:000659299700071 | Autor principal | 0 | NU |
| 9. | 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 | corespondent | 1,1 | DA |
| 10. | 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 | corespondent | 0 | NU |
| 11. | 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 | Autor principal | 3.5 | DA |
| 12. | Mohamed Abdelwaheb, Valentin Nedeff, Sonia Dridi-Dhaouadi, Emilian Florin Mosnegutu, Alexandra-Dana Chițimus, Assessment quality of agricultural soils from tunisian region-Kalaa Kebira sousse to assessment of a tunisian agricultural soil properties, Fresenius Environmental Bulletin, 2022, vol. 31, nr. 8, pag. 7767-7771, WOS:000845078600035 | corespondent | 0 | NU |
| 13. | Mirela Panainte-Lehadus; Mihai Vulpe; Valentin Nedeff; Emilian Mosnegutu; Grzegorz Przydatek; Claudia Tomozei; Dana Chitimus, Study Regarding the Household Waste Collection Method. Case Study, Applied Sciences, 2022, vol. 12, no. 15, 2022, 7490, 10.3390/app12157490, WOS:000838899700001 | corespondent | 2.7 | DA |

| | | | | |
|-----|---|-----------------|-----|----|
| 14. | Mirela Panainte-Lehăduș, Emilian Moșneguțu, Narcis Bârsan , 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 | corespondent | 3.5 | DA |
| 15. | Emilian Moșneguțu, Claudia Tomozei, Mirela Panainte-Lehăduș, 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 | Autor principal | 3.5 | DA |
| 16. | Mohamed Abdelwaheb, Valentin Nedeff, Sonia Dridi-Dhaouadi, Emilian Moșneguțu, Narcis Barsan, Alexandra-Dana Chițimus, Assessment of cadmium and copper adsorption by two agricultural soils from Romania and Tunisia: risk of water resource pollution, Processes, 2022, vol. 10, no. 9, 1802, 10.3390/pr10091802, WOS:000856653500001 | corespondent | 3.5 | DA |
| 17. | Przydatek Grzegorz, Moșneguțu Emilian, Cabała Adrian, Irimia Oana, Hazardous Waste Advanced Management in a Selected Region of Poland, Processes, 2022, vol. 10, nr. 10, ID 2032, 10.3390/pr10102032, WOS:000875217200001 | corespondent | 3.5 | DA |
| 18. | Przydatek, G., Ryniewicz, A., Irimia, O., Tomozei, C., Mosnegutu, E., Bodziony, M., Analysis of noise levels in typical passenger cars, Sustainability, vol. 15, no. 10, 2023, 7910, 10.3390/su15107910, WOS:000996837100001. | corespondent | 3,9 | DA |
| 19. | Chitimuș Dana, Nedeff Valentin, Emilian Mosnegutu*, Narcis Bârsan, Oana Irimia, Florin Nedeff, Studies on the accumulation, translocation, and enrichment capacity of soils and the plant species Phragmites Australis (Common Reed) with heavy metals, SUSTAINABILITY, 2023, vol. 15, nr. 11, ID 8729; 10.3390/su15118729, WOS:001005352300001 | corespondent | 3,9 | DA |

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FIȘĂ DE CALCUL A FACTORULUI DE IMPACT (FIC)

| Nr. crt. | Articol | Nr. Autori | FI revista | Autor principal | Calcul FIC |
|----------|--|------------|------------|-----------------|------------|
| 1 | Nedeff, V., Raveica, C., Mosnegutu, E., Commiss Int Org Scientif Travail, A.G.R., Commiss Int Org Scientif Travail, A.G.R., The hanging agriculture and direct active mechanical energy consumption, Int Comm Work Studies & Labour Management Agr; Int Comm Agr Engn, Sect V, WORK SCIENCES IN SUSTAINABLE AGRICULTURE Pages: 384-389 1999, WOS:000083320100060 | 3 | 0 | NU | 0 |
| 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 | 5 | 0 | NU | 0 |
| 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 | 5 | 0 | NU | 0 |
| 4. | Valentin, Nedeff; Valentin, Zichil; Savin, Carmen; Bogdan, Macarescu; Emilian, Mosnegutu, A new method to determinate the viscosity of the non-Newtonian mixtures, METALURGIA INTERNATIONAL, 2008, vol. 13, nr. 7, pag. 21-26, WOS:000256692000005 | 5 | 0 | NU | 0 |
| 5. | Milenkovic, D., Dasic, P., Nedeff, V., Mosnegutu, E., Analysis of Regression Models of Maximal Adsorption on High-porosity adsorbents with and without ultrasound application, Revista De Chimie, vol. 60, no. 7, 2009, pp. 706-710, WOS:000269089200012 | 4 | 0 | NU | 0 |
| 6. | 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 | 7 | 0 | NU | 0 |
| 7. | Panainte, Mirela; Nedeff, Valentin; Macarescu, Bogdan; Mosnegutu, Emilian; Tomozei, Claudia, Studies and research on the environmental impact of noise created by a work station for producing concrete, METALURGIA INTERNATIONAL, 2009, vol. 14, pag 73-76, WOS:000270962400015 | 5 | 0 | NU | 0 |

| | | | | | |
|-----|---|----|-----|----|-------|
| 8. | 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 | 4 | 0 | NU | 0 |
| 9. | 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 | 6 | 0 | NU | 0 |
| 10. | 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. 11, 2010, pp. 123-129, WOS:000280440800024 | 6 | 0 | NU | 0 |
| 11. | 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 | 4 | 1.1 | NU | 0.275 |
| 12. | 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 | 4 | 1.1 | NU | 0.275 |
| 13. | 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 | 10 | 5,2 | NU | 0,52 |
| 14. | 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 | 5 | 1.1 | NU | 0.22 |
| 15. | 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 | 5 | 1.1 | NU | 0.22 |
| 16. | 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 | 5 | 1.1 | NU | 0.22 |
| 17. | Nedeff, V; Inglezakis, V; Lazar, I ; Panainte, M; Mosnegutu, E; Caraman, I; Lazar, G , Green products | 7 | 0 | NU | 0 |

| | | | | | |
|-----|---|---|-----|----|------|
| | 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 | | | | |
| 18. | 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 | 5 | 1.1 | NU | 0.22 |
| 19. | 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 3 Rd International Conference on Quality and Innovation in Engineering and Management 978-973-662-978-5, 2014, pp. 393-396, WOS:000346410700072 | 8 | 0 | NU | 0 |
| 20. | Alexandra-Dana Chițimuş, Emilian Florin Moşneguțu, Mihai C Nicolescu, Mariana Turcu, Mihai Belciu, Greta Ardeleanu, Mathematical modelling of water migration time in soil, Environmental Engineering and Management Journal, 1582-9596 2014, vol. 13, nr. 7, pp. 1581-1586, 10.30638/eemj.2014.175, WOS:000344577400005 | 6 | 1.1 | NU | 0.18 |
| 21. | Mirela Panainte, Marius Stănilă, Emilian Moşneguțu, Oana Irimia, Doina Capșa, Florin Nedeff, Claudia Tomozei, Ion Joița, Gabriela Telibașa - Monitoring emissions from large combustion plants, Environmental Engineering and Management Journal, 1582-9596 2014, vol. 13, nr. 7, pp. 1657-1663, WOS:000344577400013 | 9 | 1.1 | NU | 0.12 |
| 22. | Mirela Panainte, 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 | 6 | 1.1 | NU | 0.18 |
| 23. | Valentin Nedeff, Gabriel Lazar, Maricel Agop, Emilian Mosnegutu, Mihail Ristea, Lăcrămioara Ochiuz, Lucian Eva, Cristina Popa - Non-linear behaviours in complex fluid dynamics via non-differentiability. Separation control of the solid components from, eterogeneous mixtures, Powder Technology, 0032-5910 Volume 269, January 01, 2015, Pages 452-460, 10.1016/j.powtec.2014.09.040, WOS:000347507100051 | 8 | 5,2 | NU | 0.65 |
| 24. | Panainte-Lehăduș, M., Nedeff, V., Moşneguțu, E., Caraman, I., Bârsan, N., Production and distribution of green products in Romania, 15th International Multidisciplinary Scientific Geoconference and EXPO, SGEM 2015; Albena; Bulgaria; 18 June 2015 through 24 June 2015, ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, VOL II, Volume 2, 2015, Pages 397-404, WOS:000370814500052 | 5 | 0 | NU | 0 |

| | | | | | |
|-----|---|---|-----|----|-------|
| 25. | Mosnegutu, E., Nedeff, V.a, Bontas, O.b, Barsan, N.a, Chitimus, D.a, Rusu, Determination of kinematic indices corresponding to a solid particle on a flat oscillating surface(Conference Paper)(Open Access), IOP Conference Series: Materials Science and Engineering, Volume 147, Issue 1, 2 September 2016, Article number 012151, 7th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2016; Iasi; Romania; 9 June 2016 through 10 June 2016; Code 123857, 10.1088/1757-899X/147/1/012151, WOS:000390720200151 | 6 | 0 | DA | 0 |
| 26. | Panaite-Lehadus, , Olaru, C.a, Nedeff, V.a, Olaru, I.b, Mosnegutu, E., The study behavior of food materials with soft texture subjected to shredding by cutting(Conference Paper)(Open Access), IOP Conference Series: Materials Science and Engineering, Volume 147, Issue 1, 2 September 2016, Article number 012150, 7th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2016; Iasi; Romania; 9 June 2016 through 10 June 2016; Code 123857, 10.1088/1757-899X/147/1/012150, WOS:000390720200150 | 5 | 0 | NU | 0 |
| 27. | Chitimus Alexandra-Dana, Cristian Radu, Valentin Nedeff, Emilian Mosnegutu, Narcis Bârsan, Studies and researches on typha latifolia's (bulrush) absorption capacity of heavy metals from the soil, Scientific Study and Research. Chemistry and Chemical Engineering, Biotechnology, Food Industry, 1582-540X 2016, vol. 17, no. 4, pp. 381 – 393 | 5 | 0 | NU | 0 |
| 28. | Mariana Turcu, Narcis Bârsan, Emilian Moşneguţu, Mihaela Dascălu, Dana Chiţimuş, Cristian Radu, Application of the flocculation process in the industrial wastewater treatment, Environmental Engineering and Management Journal, 1582-9596 Volume 15, Issue 3, 1 April 2016, Pages 521-526, WOS:000376876400005 | 6 | 1.1 | NU | 0.18 |
| 29. | Petrovici, A.M., Cueto, J.L., Gey, R., (...), Tomozei, C., Mosnegutu, E. , Optimization of some alternatives to noise barriers as noise mitigation measures on major roads in Europe. Case study of a highway in Spain 2016 Environmental Engineering and Management Journal 15(7), pp. 1617-1628, WOS:000384472000021 | 7 | 1.1 | NU | 0.157 |
| 30. | Mihai-Cosmin Belciu, Emilian Florin Moşneguţu, Valentin Nedeff, Alexandra-Dana Chiţimuş, Narcis Barsan, Silvia Fiore - Production capacity of leachate from Bihor landfill Environmental Engineering and Management Journal, 1582-9596 2016, vol. 15, no. 3 pp. 2057-2062, WOS:000390326200019 | 6 | 1.1 | DA | 1.1 |
| 31. | Barsan N., Nedeff V., Temea A., Mosnegutu E., Chitimus A.D., Tomozei C., A perspective for poor wastewater infrastructure regions: A small-scale sequencing batch reactor treatment system, Chemistry Journal of Moldova, Volume 12, Issue 1, 2017, Pages 61-66, dx.doi.org/10.19261/cjm.2017.387 | 6 | 0,5 | NU | 0,08 |
| 32. | Cochiorca, A., Nedeff, V., Bârsan, N., Moşneguţu, E.F., Panaite-Lehăduş, M., Tomozei, C., Analysis of water quality for two rivers located near a mining area, Scientific Study and Research: Chemistry and Chemical Engineering, | 6 | 0,3 | NU | 0,05 |

| | | | | | |
|-----|--|---|-----|----|-------|
| | Biotechnology, Food Industry, Volume 19, Issue 4, 2018, Pages 455-463, WOS:000452211700009 | | | | |
| 33. | Dascălu, M.-E., López-Ramírez, J.A.b, Nedeff, V.a,c, Mosneguțu, E.a, Rusu, D., Application of excitation emission matrixes spectroscopy to study humic acids rejection with TiO2 nanofiltration membrane with enlarged area, Scientific Study and Research: Chemistry and Chemical Engineering, Biotechnology, Food Industry, Volume 19, Issue 3, 2018, Pages 313-321, WOS:000444839800007 | 5 | 0,3 | NU | 0,06 |
| 34. | Oana Maria Muscalu (Plescan), Valentin Nedeff, Alexandra Dana Chitimus, Ioan Gabriel Sandu, Elena Partal, Emilian Mosnegutu, Ion Sandu, Dragos Ioan Rusu, Influence of fertilization systems on physical and chemical properties of the soil, REVISTA DE CHIMIE (Bucharest) vol. 69, No. 11, 2018, p. 3016-3111, WOS:000451931500031 | 8 | 0 | NU | 0 |
| 35. | 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 | 7 | 0,8 | NU | 0.115 |
| 36. | Moșneguțu, E., Nedeff, V., Bârsan, Rusu, D. , The influence of air velocity on the behavior of a solid particle displacement in a vertical path, Scientific Study and Research: Chemistry and Chemical Engineering, Biotechnology, Food Industry, Volume 19, Issue 4, 2018, Pages 431-441, WOS:000452211700007 | 4 | 0,3 | DA | 0,3 |
| 37. | 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 | 5 | 0 | NU | 0 |
| 38. | Mosnegutu, E.F., Nedeff, V., Chitimus, A.D., Rusu, D.I., Joita, I., Aspects regarding the Siret river direction-changing in the Bacau county region, Romania, International Journal of Conservation Science, vol. 10, no. 1, 2019, p. 131-138, WOS:000462542400012 | 5 | 0,8 | DA | 0,8 |
| 39. | 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 | 5 | 0,3 | NU | 0,06 |
| 40. | 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 | 7 | 0,8 | NU | 0.114 |
| 41. | 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 | 6 | 0 | NU | 0 |

| | | | | | |
|-----|--|---|-----|----|-------|
| 42. | Dascalu, M.E., Nedeff, F., Mosnegutu, E., Sandu, I.G., Lopez-Ramirez, J.A., hydrodynamic surface evaluation of a polymeric reverse osmosis membrane using a crossflow cell, Revista De Chimie, vol. 70, no. 3, 2019, p. 866-870, WOS:000464911600024 | 5 | 0 | NU | 0 |
| 43. | Fabian, F., Nedeff, V., Birsan, N., Mosnegutu, E., Energy and chemicals consumption evaluation in water treatment plant a comparative study between Bacau and Turin, Revista De Chimie, vol. 70, no. 3, 2019, p. 881-886, WOS:000464911600027 | 4 | 0 | NU | 0 |
| 44. | Muscalu, O.M., Nedeff, V., Sandu, I.G., Partal, E., Mosnegutu, E., Barsan, N., Sandu, I., Rusu, D., Influence of main works systems on physical and chemical properties of the soil, Revista De Chimie, vol. 70, no. 5, 2019, pp. 1726-1730, WOS:000470086400043 | 8 | 0 | NU | 0 |
| 45. | Emilian Moşneguţu, Valentin Nedeff, Cristina Carmen Stingu (Palici), Dana Chiţimuş, Dragoş-Ioan Rusu, Ion Joita, Possibilities of software evaluation for the river course modification. Case study: siret river in bacau region sector, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Volume 10, Issue 2, April-June 2019: pag. 371-380, WOS:000488882500016 | 6 | 0,8 | DA | 0,8 |
| 46. | Eblin, S.G., Anoh, K.A., Yao, A.B., Soro, N., Nedeff, V., Mosnegutu, E., Sandu, A.V., Mapping groundwater vulnerability to pollution in the region of adiake, southeast coastal of Cote D'ivoire: A Comparative Study of Three (3) Methods, International Journal of Conservation Science, vol. 10, no. 3, 2019, pp. 493-506, WOS:000488882700009 | 7 | 0,8 | NU | 0.114 |
| 47. | Lehadus, M.P., Nedeff, V., Barsan, N., Sandu, A.V., Mosnegutu, E., Tomozei, C., Irimia, O., Andrioai, G., Sandu, I., Monitoring the particulate matter (PM10) emissions from Bacau City thermo-energetic industry, Revista De Chimie, vol. 70, no. 8, 2019, pp. 2869-2872, WOS:000489685600035 | 9 | 0 | NU | 0 |
| 48. | 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 | 6 | 0 | NU | 0 |
| 49. | 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 | 9 | 0 | NU | 0 |
| 50. | 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 | 7 | 0,3 | NU | 0.04 |

| | | | | | |
|-----|---|---|-----|----|------|
| 51. | Chitimus, A.D., Nedeff, F.M., Sandu, I., Radu, C., Mosnegutu, E., Barsan, N., Sandu, I.G., Tomozei, C., Absorption capacity of copper and lead in the case of phragmites australis plant species, Revista De Chimie, vol. 70, no. 11, 2019, pp. 4035-4039, WOS:000503185300054 | 8 | 0 | NU | 0 |
| 52. | 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 | 6 | 0 | NU | 0 |
| 53. | Alexandra Dana Chitimus, Valentin Nedeff, Ion Sandu, Cristian Radu, Emilian Mosnegutu, Ioan Gabriel Sandu, Narcis Barsan, Mathematical modeling for the absorption capacity of heavy metals from the soil in the case of phragmites australis plant species, REVISTA DE CHIMIE (Bucharest), 2537-5733, 2019, vol. 70, No. 7, p. 2545-2551, WOS:000509920700046 | 7 | 0 | NU | 0 |
| 54. | Mihaela-Elena Dascălu, Florin Nedeff, Ion Sandu, Emilian Mosnegutu, Andrei Victor Sandu, Juan Antonio López-Ramírez, Mathematical Model Regarding the Application of the Excitation Emission Matrix Spectroscopy in Nanofiltration Process Using Humic Acid with a TiO2 Ceramic Membrane, MATERIALE PLASTICE, 2019, Vol. 56 no. 4, 2019, p. 995-1002, WOS:000509920700046 | 6 | 0,8 | DA | 0.8 |
| 55. | Laurentiu Tataru, Narcis Barsan, Florin Marian Nedeff, Ion Sandu, Emilian Mosnegutu, Dana Alexandra Chitimus, Alina Cochiorca, Ioan Gabriel Sandu, Treatment study of brook water by using the ultrafiltration pilot with polymeric membrane MATERIALE PLASTICE, 2019, Vol. 56 no. 4, 2019, p. 986-994, WOS:000509920700045 | 8 | 0,8 | NU | 0.1 |
| 56. | Oana-Maria Muscalu (Plescan), Valentin Nedeff, Ioan Gabriel Sandu, Elena Partal, Emilian Mosnegutu, Narcis Barsan, Ion Sandu, Dragos Rusu, Influence of main works systems on physical and chemical, Properties of the Soil Revista de Chimie, 2019, 70, No. 5, p. 1726- 1730, WOS:000470086400043 | 8 | 0 | NU | 0 |
| 57. | Alexandra Dana Chitimus, Valentin Nedeff, Ion Sandu, Cristian Radu, Emilian Mosnegutu, Ioan Gabriel Sandu, Narcis Barsan, Absorption capacity of heavy metals in the case of typha latifolia plant species, Revista de Chimie, 2019, vol. 70, No. 8, 2019, p. 3058-3061, WOS:000489685600076 | 7 | 0 | NU | 0 |
| 58. | 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 | 5 | 0,8 | DA | 0.8 |
| 59. | Oana Tirtoaca Irimia, Mirela Panainte-Lehadus, Claudia Tomozei, Emilian Mosnegutu, Alexandra-Dana Chitimus, Narcis Barsan, Study regarding the measuring of | 6 | 0,3 | NU | 0.05 |

| | | | | | |
|-----|---|---|-----|----|------|
| | 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 | | | | |
| 60. | Barsan, Narcis; Zaharia, Andrei; Chitimus, Dana; Mosnegutu, Emilian; Florin, Nedeff; Rusu, Dragos; Untila, Carolina; Capsa, Doina, Filtration Theory and Techniques. A Short Review on the Filtration Process, 7TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING (EE&AE) 7th International Conference on Energy Efficiency and Agricultural Engineering (EE and AE), 2020, P34, WOS:000659299700017 | 8 | 0 | NU | 0 |
| 61. | Chitimus, Alexandra-Dana; Barsan, Narcis; Mosnegutu, Emilian; Corobana, Alina; Nedeff, Valentin; Muscalu (Plescan), Oana-Maria; Partal, Elena, Influence of Soil Fertilization Systems and Crop Rotation on Physical and Chemical Properties of the Soil, 7TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING (EE&AE), 7th International Conference on Energy Efficiency and Agricultural Engineering (EE and AE), 2020, WOS:000659299700016 | 7 | 0 | NU | 0 |
| 62. | Mosnegutu, Emilian; Chitimus, Alexandra-Dana; Barsan, Narcis; Rusu, Dragos; Vulpe, Mihai; Nedeff, Valentin; Jasinski, Marcin, Studies and Researches Regarding the Influence of the Size of Solid Particles Forming a Heterogenous Mix on the Aerodynamic Separation Process, 7TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING (EE&AE), 7th International Conference on Energy Efficiency and Agricultural Engineering (EE and AE), 2020, WOS:000659299700071 | 7 | 0 | DA | 0 |
| 63. | 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 | 7 | 1,1 | NU | 0.16 |
| 64. | 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 | 7 | 1,1 | DA | 1.1 |
| 65. | 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 | 8 | 0 | NU | 0 |
| 66. | Florina Fabian, Valentin Nedeff, Narcis Barsan, Mirela Panainte-Lehadus, Emilian Florin Mosnegutu1, Paul-Claudiu Cotirlet, Dana Chitimus, Claudia Tomozei, Oana | 9 | 0 | DA | 0 |

| | | | | | |
|-----|---|----|-----|----|------|
| | 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 | | | | |
| 67. | 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 | 6 | 0 | NU | 0 |
| 68. | Nikiema, M; Barsan, N; Maiga, Y; Somda, MK; Mosnegutu, E; Ouattara, CAT; Dianou, D; Traore, AS; Nedeff, V; Ouattara, AS, Optimization of biogas production from sewage sludge: impact of combination with bovine dung and leachate from municipal organic waste, SUSTAINABILITY, vol. 14, no. 8, 2022, 4380, 10.3390/su14084380, WOS:000787961900001 | 10 | 3.9 | NU | 0.39 |
| 69. | Ghezali, K; Bentahar, N; Barsan, N; Nedeff, V; Mosnegutu, E, Potential of canna indica in vertical flow constructed wetlands for heavy metals and nitrogen removal from algiers refinery wastewater, SUSTAINABILITY vol. 14, no. 8, 2022, 4394, 10.3390/su14084394, WOS:000786356700001 | 5 | 3.9 | NU | 0.78 |
| 70. | 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 | 7 | 3.9 | NU | 0.56 |
| 71. | 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 | 7 | 3.5 | DA | 3.5 |
| 72. | Mohamed Abdelwaheb, Valentin Nedeff, Sonia Dridi-Dhaouadi, Emilian Florin Mosnegutu, Alexandra-Dana Chițimus, Assessment quality of agricultural soils from tunisian region-Kalaa Kebira sousse to assessment of a tunisian agricultural soil properties, Fresenius Environmental Bulletin, 2022, vol. 31, nr. 8, pag. 7767-7771, WOS:000845078600035 | 5 | 0 | DA | 0 |
| 73. | Dalila Belhout; Zahia Tigrine; Emilian Florin Mosnegutu; Ferhat Kamel Benabdelaziz, Management of reverse osmosis concentrate by solar distillation, Water Supply, vol. 22, no. 8, 2022, pp. 6490-6503, 10.2166/ws.2022.269, WOS:000847797600002 | 4 | 1.7 | NU | 0.43 |
| 74. | Mirela Panainte-Lehadus; Mihai Vulpe; Valentin Nedeff; Emilian Mosnegutu; Grzegorz Przydatek; Claudia Tomozei; Dana Chitimus, Study Regarding the Household Waste Collection Method. Case Study, Applied Sciences, 2022, vol. 12, no. 15, 2022, 7490, 10.3390/app12157490, WOS:000838899700001 | 7 | 2.7 | DA | 2.7 |
| 75. | Mirela Panainte-Lehaduș, Emilian Moșneguțu, Narcis Bârsan, Gabriela Andrioai, Claudia Tomozei and Oana | 6 | 3.5 | DA | 3.5 |

| | | | | | |
|-----|--|---|-----|----|-------|
| | Irimia, Mathematical perspectives in the variable texture products cutting, Processes, 2022 vol. 10, no. 8, 1603, 10.3390/pr10081603, WOS:000845796500001 | | | | |
| 76. | Emilian Moşneguţu, Claudia Tomozei, Mirela Panainte-Lehăduşu, Dana Chiţimuş 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 | 5 | 3.5 | DA | 3.5 |
| 77. | Mohamed Abdelwaheb, Valentin Nedeff, Sonia Dridi-Dhaouadi, Emilian Moşneguţu, Narcis Barsan, Alexandra-Dana Chiţimus, Assessment of cadmium and copper adsorption by two agricultural soils from Romania and Tunisia: risk of water resource pollution, Processes, 2022, vol. 10, no. 9, 1802, 10.3390/pr10091802, WOS:000856653500001 | 6 | 3.5 | DA | 3.5 |
| 78. | 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 | 7 | 0 | NU | 0 |
| 79. | Przydatek Grzegorz, Moşneguţu Emilian, Cabała Adrian, Irimia Oana, Hazardous Waste Advanced Management in a Selected Region of Poland, Processes, 2022, vol. 10, nr. 10, ID 2032, 10.3390/pr10102032, WOS:000875217200001 | 4 | 3.5 | DA | 3.5 |
| 80. | Oana, Irimia; Grzegorz, Przydatek; Mirela, Panainte-Lehadus; Claudia, Tomozei; Emilian, Mosnegutu; Piotr, Gawron, Indicators of Impact Selected Municipal Units on the Air Quality-Case Study from Poland and Romania, PROCESSES, DEC 2022, vol. 10, nr. 12, 2485, 10.3390/pr10122485, WOS:000902812200001 | 6 | 3,5 | NU | 0,58 |
| 81. | Goldan, E., Nedeff, V., Barsan, N., Culea, M., Panainte-Lehadus, M., Mosnegutu, E., Tomozei, C., Chitimus, D., Irimia, O., Assessment of Manure Compost Used as Soil Amendment-A Review, Processes, vol. 11, no. 4, 2023, 1167, 10.3390/pr11041167, WOS:000977626500001 | 9 | 3,5 | NU | 0,38 |
| 82. | 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 | 5 | 3,9 | NU | 0,78 |
| 83. | 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 | 9 | 3,4 | NU | 0,377 |
| 84. | Przydatek, G., Ryniewicz, A., Irimia, O., Tomozei, C., Mosnegutu, E., Bodziony, M., Analysis of noise levels in typical passenger cars, Sustainability, vol. 15, no. 10, 2023, 7910, 10.3390/su15107910, WOS:000996837100001. | 6 | 3,9 | DA | 3,9 |

| | | | | | |
|-----|---|---|-----|----|-----|
| 85. | Chitimuş Dana, Nedeff Valentin, Emilian Mosnegutu*, Narcis Bârsan, Oana Irimia, Florin Nedeff, Studies on the accumulation, translocation, and enrichment capacity of soils and the plant species Phragmites Australis (Common Reed) with heavy metals, SUSTAINABILITY, 2023, vol. 15, nr. 11, ID 8729; 10.3390/su15118729, WOS:001005352300001 | 6 | 3,9 | DA | 3,9 |
|-----|---|---|-----|----|-----|

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NUMĂRUL CITĂRILOR DIN BAZA DE DATE SCOPUS SAU ISI WEB OF SCIENCE (NC)

[1] 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.

1. Nedeff, Valentin; Lazar, Gabriel; Agop, Maricel; Eva, Lucian; Ochiuz, Lacramioara; Dimitriu, Dan; Vrajitoriu, Lucia; Popa, Cristina, Solid components separation from heterogeneous mixtures through turbulence control, *POWDER TECHNOLOGY*, NOV, 2015 ,art. Nr. 284170, 18610.1016/j.powtec.2015.06.029,<http://dx.doi.org/10.1016/j.powtec.2015.06.029>, WOS:000361582300019;
2. Nedeff, Valentin; Bejenariu, Constantin; Lazar, Gabriel; Agop, Maricel, Generalized lift force for complex fluid, *POWDER TECHNOLOGY*, FEB, 2013, art. Nr. 235685, 69510.1016/j.powtec.2012.11.027, <http://dx.doi.org/10.1016/j.powtec.2012.11.027>, WOS:000316039400085;

[2] 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.

3. Nedeff, Valentin; Bejenariu, Constantin; Lazar, Gabriel; Agop, Maricel, Generalized lift force for complex fluid, *POWDER TECHNOLOGY*, FEB, 2013, art. Nr. 235685, 69510.1016/j.powtec.2012.11.027, <http://dx.doi.org/10.1016/j.powtec.2012.11.027>, WOS:000316039400085
4. Ciobanu, Petru; Cristescu, Tudora; Nicolescu, Constantin, An Algorithm for the Design of Selection Pipes and Process Parameters in the Decanting of Solid-Liquid Heterogenous Systems by Levigation, *REVISTA DE CHIMIE*, DEC, 2009, vol. 60,nr. 12, pag. 1330-1334, WOS:000274231200020;

[3] Valentin, N., Valentin, Z., Savin, C., Bogdan, M., Emilian, M., A new method to determinate the viscosity of the non-Newtonian mixtures, *Metalurgia International*, vol. 13, no. 7, 2008, pp. 21-26.

5. Judele, Adrian; Savin, Carmen, Studies and researches about formation of nonlinear viscoelastic non-newtonian mixtures, *ANNALS OF DAAAM FOR 2012 & PROCEEDINGS OF THE 23RD INTERNATIONAL DAAAM SYMPOSIUM - INTELLIGENT MANUFACTURING AND AUTOMATION - FOCUS ON SUSTAINABILITY*, 2012, vol. 23, pag. 1009-1012, WOS:000392423800233

[4] Milenkovic, D., Dasic, P., Nedeff, V., Mosnegutu, E., Analysis of Regression Models of Maximal adsorption on high-porosity adsorbents with and without ultrasound application, *Revista De Chimie*, vol. 60, no. 7, 2009, pp. 706-710.

6. Ion, Violeta Alexandra; Parvulescu, Oana Cristina; Dobre, Tanase; Duteanu, Narcis; Nitu, Sabina Georgiana, Modelling of thermal desorption of volatile organic compounds from activated carbon, *REVISTA DE CHIMIE*, MAY, 2015, vol. 66, nr. 5,pag. 703-706, WOS:000355126000021
7. Kalinichenko, S.V., Yeriomina, Y.A., Burya, A.I., Dašić, P.; Optimization of polychlorotrifluoroethylene processing technology by the response surface methodology , *Lecture Notes in Networks and Systems*, 2020, vol. 128 LNNS, pag. 322-330, 10.1007/978-3-030-46817-0_37

[5] Panainte, M., Nedeff, V., Macarescu, B., Mosnegutu, E., Tomozei, C., Studies and Research on the Environmental Impact of Noise Created by a Work Station for Producing Concrete, *Metalurgia International*, vol. 14, 2009, pp. 73-76.

8. Tomozei, Claudia; Nedeff, Valentin; Panainte, Mirela; Telibasa, Gabriela, Experimenting rigid and elastic clamping methods of acoustic screens, *ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL*, DEC 2018, vol. 17, nr. 12, art. Nr. 2881, DOI 288810.30638/eemj.2018.288,<http://dx.doi.org/10.30638/eemj.2018.288>, WOS:000456043800012
9. Claudia, T., Valentin, N., Gabriel, L., Elena, C., Reducing of the sound pressure level in industrial areas by screening noise sources, *NOISE AND VIBRATION WORLDWIDE*, 2012, vol. 43, nr. 10, pag. 28-36, DOI: 10.1260/0957-4565.43.10.28

[6] Zichil, V., Panainte, M., Nedeff, V., Mosnegutu, E., Savin, C., Macarescu, B., Olaru, C., Considerations About a New Method Able to Determine the Breaking up Energy at Materials with Variable Texture, *Metalurgia International*, vol. 14, no. 6, 2009, pp. 15-20.

10. Zichil, V., Judele, A., Cotirlet, A., Dobreci, L., Correlations between sound pressure and internal energy able to prevent breakage of parts that work with dynamic loads [Corelății între presiunea sonoră și energia internă cu scopul de a preveni distrugerea pieselor ce lucrează sub sarcini dinamice], *INMATEH, - Agricultural Engineering*, 2013, vol. 41, nr. 3, pag. 69-76, DOI: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84890940602&partnerID=40&md5=32a11132cb867b7de56bc7eb4916a561>

[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.

11. Barsan, Narcis; Chitimus, Dana; Nedeff, Florin Marian; Sandu, Ion; Lehadus, Mirela Panainte; Sandu, Andrei Victor; Tartoaca, Oana Irimia, Experimental Application of a Laboratory SBR Plant Used for Domestic Wastewater Treatment, *REVISTA DE CHIMIE*, NOV 2019, vol. 70, nr. 11, pag. 4098-4101, WOS:000503185300067
12. Faciu, Maria Ema; Lazar, Iuliana; Ifrim, Irina; Ureche, Camelia; Lazar, Gabriel, Exploratory spatial data analysis of heavy metals concentration in two sampling sites on Siret river, *ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL*, SEP 2014, vol. 13, nr. 9, pag. 2179-2186, WOS:000347161400008
13. Barsan, Narcis; Joita, Ion; Stanila, Marius; Radu, Cristian; Dascalu, Mihaela, Modelling wastewater treatment process in a small plant using a sequencing batch reactor (SBR), *ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL*, JUL 2014, vol. 13, nr. 7, pag. 1561-1566, DOI: 10.30638/eemj.2014.172, <http://dx.doi.org/10.30638/eemj.2014.172>, WOS:000344577400002

[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.

14. Eblin, Sampah Georges; Konan, Kouakou Seraphin; Mangoua, Oi Mangoua Jules; Nedeff, Valentin; Sandu, Andrei Victor; Barsan, Narcis; Sandu, Ion, Nitrate pollution of groundwater based on GIS in the city of Daloa, west-central Cote d'Ivoire, *REVISTA DE CHIMIE*, JUL 2019, vol. 70, nr. 7, pag. 2579-2583, WOS:000485843500057
15. Muscalu (Plescan), Oana Maria; Nedeff, Valentin; Sandu, Ioan Gabriel; Chitimus, Alexandra Dana; Partal, Elena; Barsan, Narcis; Rusu, Dragos Ioan, Influence of soil fertilization systems and crop rotation on soil chemical properties, *REVISTA DE CHIMIE*, FEB 2019, vol. 70, nr. 2, pag. 536-542, WOS:000461982200036
16. Radu, Cristian; Chitimus, Alexandra-Dana; Turcu, Mariana; Ardeleanu, Greta; Belciu, Mihai, Impacts of anthropogenic activities in bacau area upon heavy metals concentration on Bistrita River sides, *ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL*, JUL 2014, vol. 13, nr. 7, pag. 1687-1691, WOS:000344577400017

[9] Nedeff, V., Mosnegutu, E., Joita, I., Lazar, G., Pal, A., Samoila, F., Ciobanu, E., Studies and research on the building of a stabilizing platform for aerial photogrammetry, *Annals of Daaam for 2012 & Proceedings of the 23rd International Daaam Symposium - Intelligent Manufacturing and Automation - Focus on Sustainability*, vol. 23, 2012, pp. 841-846.

17. Wu, K., Yu, J., Zong, G., Kong, X., Comparison study on motion characteristics of three 2-DOF pointing devices, *Proceedings of the ASME Design Engineering Technical Conference*, 2014, vol. 5A, DOI: 10.1115/DETC2014-35571

[10] Nedeff, V., Mosnegutu, E., Panainte, M., Ristea, M., Lazar, G., Scurtu, D., Ciobanu, B., Timofte, A., Toma, S., Agop, M., Dynamics in the boundary layer of a flat particle, *Powder Technology*, vol. 221, 2012, pp. 312-317.

18. Mihailovici, Ruxandra; Croitoriu, Alexandra; Nedeff, Florin; Nedeff, Valentin; Ochiuz, Lacramioara; Vasincu, Decebal; Popa, Ovidiu; Agop, Maricel; Moraru, Andreea; Costin, Danut; Costuleanu, Marcel; Verestiuc, Liliana, Drug-loaded polymeric particulated systems for ophthalmic drugs release, *MOLECULES*, JUL 2022, vol. 27, nr. 14, nr. Art. 4512, DOI: 10.3390/molecules27144512, <http://dx.doi.org/10.3390/molecules2714451235889383>, WOS:000833627300001

19. Petrescu, Tudor-Cristian; Mihai, Petru; Voordijk, Johannes Theodorus; Nedeff, Valentin; Vaideanu, Dorin; Nedeff, Florin; Babor, Traian-Danut; Vasincu, Decebal; Agop, Maricel, Complex behavior in the dynamics of a polymeric biocomposite material-liquid wood. Experimental and theoretical aspects, POLYMERS, JAN 2022, vol. 14, nr. 1, art. Nr. 64, DOI: 10.3390/polym14010064, <http://dx.doi.org/10.3390/polym1401006435012087>, WOS:000758544900001
20. Toma, Bogdan Florin; Socolov, Razvan; Popa, Ovidiu; Socolov, Demetra; Nica, Irina; Agop, Maricel; Vasincu, Decebal; Grigore, Mihaela; Ochiuz, Lacramioara, Prospects and challenges of the drug delivery systems in endometriosis pain management: Experimental and theoretical aspects, JOURNAL OF IMMUNOLOGY RESEARCH, DEC 15 2021, art. Nr. 20212727174, DOI: 10.1155/2021/2727174, <http://dx.doi.org/10.1155/2021/272717434957311>, WOS:000737286700001
21. Bacaita, Elena Simona; Peptu, Catalina Anisoara; Savin, Corina-Lenuta (Logigan); Lutcanu, Marian; Agop, Maricel, Manifest/non-manifest drug release patterns from polysaccharide based hydrogels-case study on cyclodextrin-kappa carrageenan crosslinked hydrogels, POLYMERS, DEC 2021, vol. 13, nr. 23, nr. Art. 4147, DOI: 10.3390/polym13234147, <http://dx.doi.org/10.3390/polym1323414734883650>, WOS:000787171200001
22. Agop, Stefana; Paun, Vladimir-Alexandru; Stefan, Gavril; Petrescu, Tudor-Cristian; Agop, Maricel; Paun, Viorel-Puiu, Implicit chaos in complex systems in the form of period doubling through harmonic mappings, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, 2021, vol. 83, nr. 3, pag. 239-248, WOS:000691789100019
23. Dobreci, Lucian; Saviuc, Alexandra; Petrescu, Tudor-Cristian; Paun, Maria-Alexandra; Frasila, Mihail; Nedeff, Florin; Paun, Vladimir-Alexandru; Dumitrascu, Catalin; Paun, Viorel-Puiu; Agop, Maricel, Towards interactions through differentiable-non-differentiable scale transitions in scale relativity theory, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, 2021, vol. 83, nr. 2, pag. 239-252, WOS:000664302900022
24. Ailincai, Daniela; Dorobantu, Alexandra Maria; Dima, Bogdan; Irimiciuc, Stefan Andrei; Lupascu, Cristian; Agop, Maricel; Olguta, Orzan, Poly(vinyl alcohol boric acid)-diclofenac sodium salt drug delivery systems: experimental and theoretical studies, JOURNAL OF IMMUNOLOGY RESEARCH, MAY 31, 2020, nr. Art. 20203124304, DOI: 10.1155/2020/3124304, <http://dx.doi.org/10.1155/2020/312430432566687>, WOS:000542354600001
25. Placinta, Constantin; Petrescu, Tudor Cristian; Ghizdovat, Vlad; Irimiciuc, Stefan Andrei; Vasincu, Decebal; Agop, Maricel; Paun, Viorel-Puiu, Polymer dynamics through group invariance of $SL(2R)$ - Type in a fractal paradigm, MATERIALE PLASTICE, MAR 2020, vol. 57, nr. 1, nr. Art. 167, DOI: 17410.37358/mp.20.1.5323, <http://dx.doi.org/10.37358/mp.20.1.5323>, WOS:000528195000019
26. Susanu, Sidonia; Popescu, Mara; Caba, Bogdan; Plamadeala, Petru; Moraru, Andreea; Costin, Dan; Gavrilut, Gabriel; Agop, Maricel; Cioca, Gabriela, Accelerating the bone healing process by the intervention of the platelet growth factors impregnated in collagen an experimental and theoretical mathematical model, MATERIALE PLASTICE, DEC 2019, vol. 56, nr. 4, nr. pag. 973-979, WOS:000509920700043
27. Susanu, Sidonia; Moraru, Andreea; Costin, Dan; Rusu, Cristina Marcela; Agop, Maricel; Cioca, Gabriela, Tissue engineering - collagen matrix based flaps - a simple construct experimental and theoretical aspects, REVISTA DE CHIMIE, OCT 2019, vol. 70, nr. 10, pag. 3694-3699, WOS:000500795900053
28. Craciun, Anda-Mihaela; Barhalescu, Mihaela Luminita; Agop, Maricel; Ochiuz, Lacramioara, Theoretical modeling of long-time drug release from nitrosalicyl-imine-chitosan hydrogels through multifractal logistic type laws, COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, AUG 14, 2019, nr. Art. 20194091464, DOI: 10.1155/2019/4091464, <http://dx.doi.org/10.1155/2019/409146431485257>, WOS:000483272300001
29. Butuc, Irina; Mirestean, Camil; Iancu, Dragos, A nonlinear model in the dynamics of tumor-immune system combined with radiotherapy, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, 2019, vol. 81, nr. 4, pag. 311-322, WOS:000501894000029
30. Cioca, Gabriela; Pinteala, Mariana; Bacaita, Elena Simona; Oprea, Iuliana; Tanasa, Irina Crumpei; Volovat, Simona Ruxandra; Dragan, Valentin Stelian; Trocaru, Sorin; Anton, Carmen, Nonlinear behaviors in gene therapy theoretical and experimental aspects, MATERIALE PLASTICE, SEP 2018, vol. 55, nr. 3, pag. 340-343, WOS:000452711500018
31. Sliwa, Agata; Sroka, Marek; Bloch, Katarzyna; Sandu, Ioan Gabriel; Abdullah, Mohd Mustafa Al Bakri; Sandu, Andrei Victor, finite element method application for the determination of hardness for magnesium alloys, REVISTA DE CHIMIE, FEB 2018, vol. 69, nr. 2, pag. 324-327, WOS:000427327700008

32. Burduhos-Nergis, D. P.; Nejneru, C.; Achitei, D. C.; Cimpoesu, N.; Bejinariu, C., Structural analysis of carabiners materials used at personal protective equipments, EUROINVENT ICIR 2018, 2018, art. Nr. 37412040, DOI: 10.1088/1757-899X/374/1/012040,<http://dx.doi.org/10.1088/1757-899X/374/1/012040>, WOS:000446775900040
33. Toma, B. F.; Baci, R. E.; Bejinariu, C.; Cimpoesu, N.; Ciuntu, B. M.; Toma, S. L.; Burduhos-Nergis, D. P.; Timofte, D., Researches on the improvement of the bioactivity of tio2 deposits, obtained by magnetron sputtering - DC, EUROINVENT ICIR 2018, 2018, art. Nr. 37412017, DOI: 10.1088/1757-899X/374/1/012017, <http://dx.doi.org/10.1088/1757-899X/374/1/012017>, WOS:000446775900017
34. Bloch, Katarzyna; Titu, Mihail Aurel; Sandu, Andrei Victor, Investigation of the structure and magnetic properties of bulk amorphous FeCoYB alloys, REVISTA DE CHIMIE, SEP 2017, vol. 68, nr. 9, pag. 2162-2165, WOS:000416748800049
35. Staszuk, Marcin; Nabialek, Marcin, Computer simulation of static tensile test using the finite elements method, MATERIALE PLASTICE, JUN 2017, vol. 54, nr. 2, pag. 225-228, WOS:000408702100006
36. Baci, M. A.; Nanu, C.; Sandu, G. I.; Toma, B. F.; Bejinariu, C.; Cazac, A.; Toma, S. L., Influence of the process parameters on the properties of diamax deposits obtained by flame thermal spray, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2017, 2017, nr. Art. 20912072, DOI: 10.1088/1757-899X/209/1/012072, <http://dx.doi.org/10.1088/1757-899X/209/1/012072>, WOS:000423732100072
37. Nedeff, Valentin; Lazar, Gabriel; Agop, Maricel; Eva, Lucian; Ochiuz, Lacramioara; Dimitriu, Dan; Vrajitoriu, Lucia; Popa, Cristina, Solid components separation from heterogeneous mixtures through turbulence control, POWDER TECHNOLOGY, NOV 2015, nr. Art. 284170, DOI: 18610.1016/j.powtec.2015.06.029, <http://dx.doi.org/10.1016/j.powtec.2015.06.029>, WOS:000361582300019
38. Agop, M.; Casian-Botez, I., Theoretical approach of differentiable-non-differentiable scale transition in nanostructures, JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, SEP 2015, vol. 12, nr. 9, nr. Art. 2140, DOI: 215110.1166/jctn.2015.4001, <http://dx.doi.org/10.1166/jctn.2015.4001>, WOS:000365412900022
39. Casian-Botez, I.; Agop, M., Order disorder transition in nanostructures via non-differentiability, JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, AUG 2015, vol. 12, nr. 8, art. Nr. 1746, DOI: 175510.1166/jctn.2015.3953, <http://dx.doi.org/10.1166/jctn.2015.3953>, WOS:000358270200038
40. Agop, M.; Casian-Botez, I.; Birlescu, V. S.; Popa, R. F., On the memorizing ability of nanostructures, JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, APR 2015, vol. 12, nr. 4, art. Nr. 682, DOI: 68810.1166/jctn.2015.3786, <http://dx.doi.org/10.1166/jctn.2015.3786>, WOS:000355574900024
41. Agop, Maricel; Gavrilut, Alina; Rezus, Elena, Implications of Onicescu's informational energy in some fundamental physical models, INTERNATIONAL JOURNAL OF MODERN PHYSICS B, MAR 20 2015, vol. 29, nr. 7, art. Nr. 1550045, DOI: 10.1142/S0217979215500459, <http://dx.doi.org/10.1142/S0217979215500459>, WOS:000350650900007
42. Casian-Botez, I.; Agop, M., Coherence-type behaviours in nanostructures, JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, FEB 2015, vol. 12, nr. 2, art. Nr. 263, DOI: 26910.1166/jctn.2015.3727, <http://dx.doi.org/10.1166/jctn.2015.3727>, WOS:000351892500017
43. Agop, Maricel; Gavrilut, Alina; Crumpei, Gabriel; Doroftei, Bogdan, Informational non-differentiable entropy and uncertainty relations in complex systems, ENTROPY, NOV 2014, vol. 16, nr. 11, art. Nr. 6042, DOI: 605810.3390/e16116042, <http://dx.doi.org/10.3390/e16116042>, WOS:000345562900027
44. Paun, Viorel-Puiu; Nedeff, Valentin; Scurtu, Dan; Lazar, Gabriel; Ghizdovat, Vlad; Agop, Maricel; Solovastu, Laura-Gheuca; Popa, Radu Florin, Stopper Effects in Network Type Polymers, MATERIALE PLASTICE, SEP, 2014, 51, 3, 225, 229 WOS:000344723900001
45. Agop, M.; Ochiuz, L.; Timofte, D.; Barlescu, V.; Danila, M. N.; Gheorghita, L.; Paun, V. P.; Solovastu, L. G.; Popa, C., Some aspects concerning the memorization effect in complex fluid, ACTA PHYSICA POLONICA A, SEP 2014, vol. 126, nr. 3, art. Nr. 663, DOI: 66910.12693/APhysPolA.126.663, <http://dx.doi.org/10.12693/APhysPolA.126.663>, WOS:000342544900004
46. Toma, Stefan Lucian; Badescu, Magda; Ionita, Iulian; Ciocoiu, Manuela; Eva, Lucian, Influence of the spraying distance and jet temperature on the porosity and adhesion of the ti depositions, obtained by thermal spraying in electric arc - thermal activated, ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING, 2014, art. Nr. 657296, DOI: +10.4028/www.scientific.net/AMM.657.296, <http://dx.doi.org/10.4028/www.scientific.net/AMM.657.296>, WOS:000348898000058

47. Nedeff, Valentin; Bejenariu, Constantin; Lazar, Gabriel; Agop, Maricel, Generalized lift force for complex fluid, *POWDER TECHNOLOGY*, FEB 2013, art. Nr. 235685, DOI: 69510.1016/j.powtec.2012.11.027, <http://dx.doi.org/10.1016/j.powtec.2012.11.027>, WOS:000316039400085
48. Toma, Stefan-Lucian; Bejenariu, Costica; Gheorghiu, Diana Antonia; Baciuc, Constantin, The improvement of the physical and mechanical properties of steel deposits obtained by thermal spraying in electric arc, *STRUCTURAL INTEGRITY OF WELDED STRUCTURES*, 2013, art. Nr. 814173, DOI: 17910.4028/www.scientific.net/AMR.814.173, <http://dx.doi.org/10.4028/www.scientific.net/AMR.814.173>, WOS:000336634500025
49. Le Chi Kien, Computation of magnetohydrodynamics by using the generalized functions and magnetic equations, 2013 INTERNATIONAL CONFERENCE ON ADVANCED TECHNOLOGIES FOR COMMUNICATIONS (ATC), 2013, art. Nr. 351,354, WOS:000331178400070
50. Haraga, R.A., Chicet, D.L., Cimpoesu, N., Toma, S.L., Bejenariu, C., Influence of the stand-off distance and of the layers thickness on the adhesion and porosity of the 97MXC deposits obtained by arc spraying process, *IOP Conference Series: Materials Science and Engineering*, 2020, vol. 877, nr. 1, art. Nr. 12020, DOI: 10.1088/1757-899X/877/1/012020
51. Haraga, R.A., Bejenariu, C., Cazac, A., Toma, B.F., Baciuc, C., Toma, S.L., Influence of surface roughness and current intensity on the adhesion of high alloyed steel deposits-obtained by thermal spraying in electric arc, *IOP Conference Series: Materials Science and Engineering*, 2019, vol. 572, nr. 1, art. Nr. 12056, DOI: 10.1088/1757-899X/572/1/012056
52. Solovastru, L.-G., Ghizdova, V., Nedeff, V., Lazar, G., Eva, L., Ochiuz, L., Agop, M., Popa, R.F., Non-Linear effects at differentiable-non-differentiable scale transition in complex fluids, *Journal of Computational and Theoretical Nanoscience*, 2016, vol. 13, nr. 1, pag. 1-6, DOI: 10.1166/jctn.2016.4099
53. Popa, R.F., Nedeff, V., Lazar, G., Scurtu, D., Eva, L., Ochiuz, L., Ghizdovet, V., Agop, M., Timofte, D., Vasincu, D., Baroi, G.L., Solovastru, L.-G., Bingham type behaviours in complex fluids stopper type effect, *Journal of Computational and Theoretical Nanoscience*, 2015, vol. 12, nr. 10, pag. 3178-3182, DOI: 10.1166/jctn.2015.4097
54. Botez, I.C., Agop, M., Order-disorder transition in nanostructures via non-differentiability, *Journal of Computational and Theoretical Nanoscience*, 2015, vol. 12, nr. 8, pag. 1746-1755; DOI: 10.1166/jctn.2015.3953
55. Toma, S.L., Bejenariu, C., Eva, L., Sandu, I.G., Toma, B.F., Influence of process parameters on the properties of TiO₂ films deposited by a D.C. magnetron sputtering system on glass support, *Key Engineering Materials*, 2015, vol. 660, pag. 86-92, DOI: 10.4028/www.scientific.net/KEM.660.86
56. Puiu, E., Dumitru, N., Vrajitoriu, L., Transport phenomena in "liquid wood" treated with a complex fluid using the scale relativity, *Advanced Materials Research*, 2014, vol. 1036, pag. 77-82, DOI: 10.4028/www.scientific.net/AMR.1036.77
57. Toma, S.L., Peneoas, M., Bejenariu, C., Gheorghiu, D.A., Eva, L., Toma, B., The increasing of corrosion resistance of low alloy carbon steels used in petroleum industry through coating with alloys based on Fe- Ni-Cr by thermal spray, *Advanced Materials Research*, 2014, vol. 1029, pag. 158-163, DOI: 10.4028/www.scientific.net/AMR.1029.158

[11] Nedeff, V., Mosnegutu, E., Tomozei, C., Pal, A., Samoila, F., Design and Implementation of a Fixed System for Video-Acoustic Monitoring of Urban Noise Pollution, *Annals of Daaam for 2012 & Proceedings of the 23rd International Daaam Symposium - Intelligent Manufacturing and Automation - Focus on Sustainability*, vol. 23, 2012, pp. 835-840.

58. Tronac, A., Dracea, D., Mustata, S., Manole, E., Dragomir, C., Petrescu, N., Mircea, S., Postamentel, M., Influence of construction activity on academic process, *Procedia Engineering*, 2014, vol. 69, pag. 1397-1404, DOI: 10.1016/j.proeng.2014.03.134

[12] 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.

59. Pruteanu, A.; Vladut, V.; Matache, M.; Muscalu, A.; Ungureanu, N., Characterization of chicory herb (*cichorium intybus*) of separation process on length of flat vibrating sieves, *ACTUAL TASKS ON AGRICULTURAL ENGINEERING*, Actual Tasks on Agricultural Engineering-Zagreb, 2017, art. Nr. 45, pag. 339-350, WOS:000432420200035
60. Pruteanu, Augustina; Matache, Mihai; Muscalu, Adriana; David, Ladislau, Research of technological process for medicinal plant separation, 16TH INTERNATIONAL SCIENTIFIC CONFERENCE: ENGINEERING

FOR RURAL DEVELOPMENT, Engineering for Rural Development, 2017, pag. 892-897, DOI: 10.22616/ERDev2017.16.N182, <http://dx.doi.org/10.22616/ERDev2017.16.N182>, WOS:000416378300135

[13] 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.

61. Barsan, Narcis; Chitimus, Dana; Nedeff, Florin Marian; Sandu, Ion; Lehadus, Mirela Panainte; Sandu, Andrei Victor; Tartoaca, Oana Irimia, Experimental application of a laboratory SBR plant used for domestic wastewater treatment, REVISTA DE CHIMIE, NOV 2019, vol. 70, nr. 11, pag. 4098-4101, WOS:000503185300067
62. Untila, Carolina; Caraman, Mihail; Nedeff, Valentin; Barsan, Narcis; Sandu, Ion; Chitimus, Alexandra Dana; Cretu, Vasile Valentin; Tomozei, Claudia; Sandu, Andrei Victor, Evaluation of heavy metals and organic compounds in water samples collected from various sources from Republic of Moldova and Romania, REVISTA DE CHIMIE, OCT 2019, vol. 70, nr. 10, pag. 3570-3574, WOS:000500795900025
63. Tirtoc (Irimia), Oana; Lehadus, Mirela Panainte; Nedeff, Valentin; Sandu, Ion; Tomozei, Claudia; Cretu, Vasile Valentin; Sandu, Andrei Victor, Experimental results regarding the groundwater quality in Bacau City, Romania, REVISTA DE CHIMIE, SEP 2019, vol. 70, nr. 9, pag. 3378-3382, WOS:000489958900060
64. Hua, B., Xiong, H., Wang, Z., Yang, J., Zhang, S., Wang, Z., Deng, B., Physico-chemical processes, Water Environment Research, 2014, vol. 86, nr. 10, pag. 992-1025, DOI: 10.2175/106143014X14031280667453
65. Zaharia A., Nedeff V., Culea M., Barsan N., Tomozei C., Applications of the ultrafiltration membranes in the industrial effluents treatment processes. A short review, 2022 8th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2022, Proceedings, 2022, DOI: 10.1109/EEAE53789.2022.9831263, 30 June 2022 through 2 July 2022

[14] 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.

66. Grigore, R., Capat, C., Hazi, A., Hazi, G., Eco-efficiency indicators in the evaluation of environmental performance of thermal power plants, Environmental Engineering and Management Journal, 2016, vol. 15, nr. 1, pag. 143-149, DOI: 10.30638/eemj.2016.016

[15] 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.

67. Hong, Siyuan; Chen, Yao; Chen, Xiaojun; Dai, Wenan; Li, Lei, Experimental study on characteristics of consolidation of sludge, 2020 6TH INTERNATIONAL CONFERENCE ON ENERGY, ENVIRONMENT AND MATERIALS SCIENCE, IOP Conference Series-Earth and Environmental Science, 2020, art. Nr. 58512191, DOI: 10.1088/1755-1315/585/1/012191, <http://dx.doi.org/10.1088/1755-1315/585/1/012191>, WOS:000647462800189
68. Lupascu, T., Ciobanu, M., Botan, V., Sandu, I.G., Dragalin, I., Mitina, T., Sandu, I., Removal of ammonium ions and ammonia from groundwater by oxidation processes, Revista de Chimie, 2018, vol. 69, nr. 11, pag. 3082-3086, DOI: 10.37358/rc.18.11.6687
69. Turcu, M., Bârsan, N., Irimia, O., Joița, I., Belciu, M., Application of synthetic chemical compounds in petroleum sludge treatment, Environmental Engineering and Management Journal, 2014, vol. 13, nr. 7, pag. 1751-1756, DOI: 10.30638/eemj.2014.195

[16] Chitimus, A.D., Mosnegutu, E.F., Nicolescu, M.C., Turcu, M., Belciu, M., Ardeleanu, G., Mathematical Modelling of Water Migration Time in Soil, Environmental Engineering and Management Journal, vol. 13, no. 7, 2014, pp. 1581-1586.

70. Ren, Jiaguo; Wu, Qianqian; Gao, Puchuang; Wang, Xing; Gong, Ke; Wang, Dongsheng; Jia, Tongqian; Ren, Xixi, Permeability mutation mechanism of hydro- geochemical conditions in sea and freshwater transitional zone, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, SEP 2020, vol. 19, nr. 9, pag. 1615-1621, WOS:000589382100017
71. Eblin, Sampah Georges; Konan, Kouakou Seraphin; Mangoua, Oi Mangoua Jules; Nedeff, Valentin; Sandu, Andrei Victor; Barsan, Narcis; Sandu, Ion, Nitrate pollution of groundwater based on GIS in the city of Daloa,

- west-central Cote d'Ivoire, REVISTA DE CHIMIE, JUL 2019, vol. 70, nr. 7, pag. 2579-2583, WOS:000485843500057
72. Smaranda, Camelia; Bulgariu, Laura; Rosca, Mihaela; Turculet, Remus; Ghinea, Cristina; Gavrilesco, Maria, Evaluation of pentachlorophenol leaching potential in natural soils, 2015 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB), 2015, WOS:000380397900141
 73. Chitimus, A.-D., Cochiorca, A., Nedeff, V., Barsan, N., Muscalu Plescan, O., Studies and research on phragmites australis' (Common reed) absorption capacity of heavy metals from the soil in Roman City, Romania, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2018, vol. 18, nr. 3.1, pag. 671-678, DOI: 10.5593/sgem2018/3.1/S12.087
- [17] Panainte, M., Inglezakis, V., Caraman, I., Nicolescu, M.C., Mosnegutu, E., Nedeff, F., The Evolution of Eco-Labeled Products in Romania, Environmental Engineering and Management Journal, vol. 13, no. 7, 2014, pp. 1665-1671.
74. Minkov, Nikolay; Lehmann, Annetrin; Winter, Lisa; Finkbeiner, Matthias, Characterization of environmental labels beyond the criteria of ISO 14020 series, INTERNATIONAL JOURNAL OF LIFE CYCLE ASSESSMENT, MAY 2020, vol. 25, nr. 5, art. Nr. SI840, DOI: 85510.1007/s11367-019-01596-9, <http://dx.doi.org/10.1007/s11367-019-01596-9>, WOS:000530803400002
 75. Prieto-Sandova, Vanessa; Mejia-Villa, Andres; Ormazabal, Marta; Jaca, Carmen, Challenges for ecolabeling growth: lessons from the EU Ecolabel in Spain, INTERNATIONAL JOURNAL OF LIFE CYCLE ASSESSMENT, MAY 2020, vol. 25, nr. 5, art. Nr. SI856, DOI: 86710.1007/s11367-019-01611-z, <http://dx.doi.org/10.1007/s11367-019-01611-z>, WOS:000530803400003
 76. Nagy, Iulia Diana; Dabija, Dan-Cristian, The transition from natural/traditional goods to organic products in an emerging market, INFORMATION, APR 2020, vol. 11, nr. 4, art. Nr. 227, DOI: 10.3390/info11040227, <http://dx.doi.org/10.3390/info11040227>, WOS:000533911600034
 77. Zahari, Abdul Rahman; Esa, Elinda; Zawawi, Zuraini Abdullah, University students' reactions to ecologically responsible packaging, 9TH INTERNATIONAL ECONOMICS AND BUSINESS MANAGEMENT CONFERENCE (IEBMC 2019), 2020, art. Nr. 100331, DOI: 34010.15405/epsbs.2020.12.05.35, <http://dx.doi.org/10.15405/epsbs.2020.12.05.35>, WOS:000680830500035
 78. Kardos, Mihaela; Gabor, Manuela Rozalia; Cristache, Nicoleta, Green marketing's roles in sustainability and ecopreneurship. case study: green packaging's impact on Romanian young consumers' environmental responsibility, SUSTAINABILITY, FEB 1 2019, vol. 11, nr. 3, art. Nr. 873, DOI: 10.3390/su11030873, <http://dx.doi.org/10.3390/su11030873>, WOS:000458929500318
 79. Saez-Martinez, Francisco J.; Diaz-Garcia, Cristina; Gonzalez-Moreno, Angela, Firm technological trajectory as a driver of eco-innovation in young small and medium-sized enterprises, JOURNAL OF CLEANER PRODUCTION, DEC 1 2016, art. Nr. 1381SI28, DOI:3710.1016/j.jclepro.2016.04.108, <http://dx.doi.org/10.1016/j.jclepro.2016.04.108>, WOS:000386738900004
 80. Prieto-Sandoval, Vanessa; Alfaro, Jose A.; Mejia-Villa, Andres; Ormazabal, Marta, ECO-labels as a multidimensional research topic: Trends and opportunities, JOURNAL OF CLEANER PRODUCTION, NOV 1 2016, art. Nr. 135806, DOI: 81810.1016/j.jclepro.2016.06.167, <http://dx.doi.org/10.1016/j.jclepro.2016.06.167>, WOS:000382792900070
 81. Temea, Antonina; Comoglio, Claudio; Botta, Serena; Nedeff, Valentin; Panainte-Lehadus, Mirela; Danu, Marcela; Barsan, Narcis, Developing a green register of eco-labeled products in Romania, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, AUG 2016, vol. 15, nr. 8, art. Nr. 1873, DOI: 187810.30638/eemj.2016.200, <http://dx.doi.org/10.30638/eemj.2016.200>, WOS:000388119400022
 82. Rakic, Beba; Rakic, Mira, Holistic management of marketing sustainability in the process of sustainable development, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, APR 2015, vol. 14, nr. 4, art. Nr. 887, DOI: 90010.30638/eemj.2015.100, <http://dx.doi.org/10.30638/eemj.2015.100>, WOS:000353483700021
 83. Gonzalez-Moreno, Angela; Jose Saez-Martinez, Francisco; Diaz-Garcia, Cristina, Attitudes towards eco-innovation in the chemical industry: performance implications, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, OCT 2014, vol. 13, nr. 10, art. Nr. 2431, DOI: 243610.30638/eemj.2014.272, <http://dx.doi.org/10.30638/eemj.2014.272>, WOS:000347162500002
 84. Mihai, V., Nedeff, V., Mirela, P.-L., Florin, M.E., Narcis, B., Claudia, T., Study of waste management in different areas from Romania, Fresenius Environmental Bulletin, 2021, vol. 30, nr. 3, pag. 2686-2691

85. Temea, A., Nedeff, V., Panainte-Lehadus, M., Tomozei, C., Comparison between characteristics of products with ecolabel and the ones without ecolabel, *Revista de Chimie*, 2019, vol. 70, nr. 4, pag. 1293-1297, DOI: 10.37358/rc.19.4.7112
86. Kocsis, T., Kuslits, B., Multidimensional labelling: Closing the sustainability information gap between producers, consumers and sustainability science in the food sector, *Periodica Polytechnica Social and Management Sciences*, 2019, vol. 27, nr. 1, pag. 9-16, DOI: 10.3311/PPso.12594
- [18] Nedeff, V., Lazar, G., Agop, M., Mosnegutu, E., Ristea, M., Ochiuz, L., Eva, L., Popa, C., Non-linear behaviours in complex fluid dynamics via non-differentiability. Separation control of the solid components from heterogeneous mixtures, *Powder Technology*, vol. 269, 2015, pp. 452-460.3
87. Irimiciuc, SA; Bulai, G; Gurlui, S; Agop, Mirimiciuc, Stefan Andrei; Bulai, Georgiana; Gurlui, Silviu; Agop, Maricel, On the separation of particle flow during pulse laser deposition of heterogeneous materials - A multi-fractal approach, *POWDER TECHNOLOGY*, NOV, 2018, 339273, 28010.1016/j.powtec.2018.08.019, <http://dx.doi.org/10.1016/j.powtec.2018.08.019>, WOS:000449892500026
88. Martu, MA; Rezus, E; Popa, C; Solomon, SM; Luchian, I; Pendefunda, AC; Sioustis, I; Anton, D; Martu, S; Foia, LMartu, Maria Alexandra; Rezus, Elena; Popa, Cristina; Solomon, Sorina Mihaela; Luchian, Ionut; Pendefunda, Arina Ciocan; Sioustis, Ioana; Anton, Diana; Martu, Silvia; Foia, Liliana, Correlations between systemic therapy with conventional (synthetic) and biological dmards, rheumatoid arthritis and periodontal indices of chronic periodontitis, *ROMANIAN JOURNAL OF ORAL REHABILITATION*, OCT-DEC 2018, vol. 10, nr. 4, pag. 161-169, WOS:000453870200024
89. Surlari, Z; Ioanid, N; Nitescu, D; Cotea, C; Scutariu, MM; Virvescu, D; Aungurencei, O; Tanculescu-Doloca, O; Ifteni, GSurlari, Zenaida; Ioanid, Nicoleta; Nitescu, Diana; Cotea, Cristina; Scutariu, Mihaela Monica; Virvescu, Dragos; Aungurencei, Ovidiu; Tanculescu-Doloca, Oana; Ifteni, Gabriela, Affectation by the dysfunctional syndrome of an adult group of population - statistical study, *ROMANIAN JOURNAL OF ORAL REHABILITATION*, JAN-MAR 2018, vol. 10, nr. 1, pag. 149-154, WOS:000431049200022
90. Ciocan-Pendefunda, AA; Tarmure, V; Ifteni, G; Apostu, AMCiocan-Pendefunda, Alice-Arina; Tarmure, Viorica; Ifteni, Gabriela; Apostu, Alina Mihaela, Therapeutic orientations regarding the neuromuscular component in the dysfunctional syndrome, *ROMANIAN JOURNAL OF ORAL REHABILITATION*, JAN-MAR 2018, vol. 10, nr. 1, pag. 166-173, WOS:000431049200025
91. Bacaita, ES; Agop, MBacaita, E. S.; Agop, M., A multiscale mechanism of drug release from polymeric matrices: confirmation through a nonlinear theoretical model, *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*, AUG 31 2016, vol. 18, nr. 31, art. Nr. 21809, DOI: 2181610.1039/c6cp02259f, <http://dx.doi.org/10.1039/c6cp02259f27436760>, WOS:000381418000090
92. Nedeff, V; Lazar, G; Agop, M; Eva, L; Ochiuz, L; Dimitriu, D; Vrajitoriu, L; Popa, Nedeff, Valentin; Lazar, Gabriel; Agop, Maricel; Eva, Lucian; Ochiuz, Lacramioara; Dimitriu, Dan; Vrajitoriu, Lucia; Popa, Cristina, Solid components separation from heterogeneous mixtures through turbulence control, *POWDER TECHNOLOGY*, NOV 2015, art. Nr. 284170, DOI: 18610.1016/j.powtec.2015.06.029, <http://dx.doi.org/10.1016/j.powtec.2015.06.029>, WOS:000361582300019
93. Ahmad, R., Abdullah, M.M.A.B., Ibrahim, W.M.W., Sandu, A.V., Vizureanu, P., Tengah, M.S., Comparison Study on Microstructure Properties of Kaolin Based Geopolymer Ceramics with Addition of UHMWPE under Different Sintering Condition, *IOP Conference Series: Materials Science and Engineering*, 2020, vol. 877, nr. 1, art. Nr. 12015, DOI: 10.1088/1757-899X/877/1/012015
- [19] Belciu, M.C., Mosnegutu, E.F., Nedeff, V., Fiore, S., Chitimus, A.D., Barsan, N., Production capacity of leachate from Bihor landfill, *Environmental Engineering and Management Journal*, vol. 15, no. 9, 2016, pp. 2057-2062.
94. Chamem, Oumaima; Fellner, Johann; Zairi, Moncef, Ammonia inhibition of waste degradation in landfills - A possible consequence of leachate recirculation in arid climates, *WASTE MANAGEMENT & RESEARCH*, OCT 2020, vol. 38, nr. 10, pag. 1078-1086, art. Nr. 0734242X20920945, DOI:10.1177/0734242X20920945, <http://dx.doi.org/10.1177/0734242X20920945>, WOS:000533917500001
95. Misaila, Lavinia; Nedeff, Florin Marian; Barsan, Narcis; Sandu, Ioan Gabriel; Grosu, Luminita; Patriciu, Oana-Irina; Gavrilă, Lucian; Finaru, Adriana-Luminita, *WATERSHED* - android application for the mineral waters classification, *REVISTA DE CHIMIE*, JUN 2019, vol. 70, nr. 6, pag. 2212-2217, WOS:000475860100067
96. Rusu, Lacramioara; Suceveanu, Mirela; Suteu, Daniela; Favier, Lidia; Harja, Maria, assessment of groundwater and surface water contamination by landfill leachate: a case study in Neamt county, Romania,

[20] Panaite-Lehadus, M., Olaru, C., Nedeff, V., Olaru, I., Mosnegutu, E., The study behavior of food materials with soft texture subjected to shredding by cutting, 7th International Conference on Advanced Concepts in Mechanical Engineering, vol. 147, 2016.

97. Xu, Weidong; Wang, Jingyi; Deng, Yong; Li, Jiaheng; Yan, Tianyi; Zhao, Shunan; Yang, Xiaoling; Xu, Enbo; Wang, Wenjun; Liu, Donghong, Advanced cutting techniques for solid food: Mechanisms, applications, modeling approaches, and future perspectives, COMPREHENSIVE REVIEWS IN FOOD SCIENCE AND FOOD SAFETY, MAR 2022, vol. 21, nr. 2, pag. 1568-1597, DOI: 10.1111/1541-4337.12896, WOS:000746211400001
98. Raseetha, S., Aida, F.M.N.A., Chompoorat, P., Murtini, E.S., Fuggate, P., Roslan, N.F.A., Nur-Diana, S.A., Disintegration with considerable changes in form: Cutting/dicing, crushing and grinding, shredding, sheeting, and pulping, Postharvest and Postmortem Processing of Raw Food Materials: Unit Operations and Processing Equipment in the Food Industry, 2021, pag. 181-240, DOI: 10.1016/B978-0-12-818572-8.00004-8

[21] Chitimus, Alexandra-Dana, Radu, Cristian, Nedeff, Valentin, Mosnegutu, Emilian, Barsan, Narcis, Studies and researches on typha latifolia's (bulrush) absorption capacity of heavy metals from the soil, Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry, 2016, vol. 17, nr. 4, pag. 381-393, WOS:000391283400006

99. Wong-Argüelles, C., Carranza-Álvarez, C., Alonso-Castro, A.J., Ilizaliturri-Hernández, C.A., Fitorremediación In Situ En México: Una Revisión, Revista Fitotecnia Mexicana, 2021, vol. 44, nr. 2, pag. 133- 142
100. Iosob, G.-A., Nedeff, V., Sandu, I., Prisecaru, M., Cristea, T.O., Study of phytotoxic effects of Cu²⁺ and Cd²⁺ on seed germination and chlorophyll pigments content to the bell pepper, Revista de Chimie, 2019, vol. 70, nr. 4, pag. 1416-1419, DOI: 10.37358/rc.19.4.7140
101. Korsun, S., Dovbash, N., Klymenko, I., Davydiuk, A., Benschel, A., Translocation of lead, cadmium and zinc in corn plants depending on development phases, Scientific Study and Research: Chemistry and Chemical Engineering, Biotechnology, Food Industry, 2019, vol. 20, nr. 4, pag. 541-550
102. Iosob, G.A., Nedeff, V., Sandu, I., Cristea, T.O., Prisecaru, M., Sandu, I.G., The effect of heavy metals (copper and cadmium) on the germination of bell pepper seeds (*Capsicum annuum* L. Var. *Dariana* Bac), Revista de Chimie, 2019, vol. 70, nr. 9, pag. 3262-3266, DOI: 10.37358/rc.19.9.7567
103. Eblin, S.G., Konan, K.S., Mangoua, O.M.J., Nedeff, V., Sandu, A.V., Barsan, N., Sandu, I., Nitrate Pollution of Groundwater Based on GIS in the City of Daloa, West-central Cote d'Ivoire, Revista de Chimie, 2019, vol. 70, nr. 7, pag. 2579-2583, DOI: 10.37358/rc.19.7.7384
104. Muscalu, O.M., Nedeff, V., Sandu, I.G., Dana Chitimus, A., Partal, E., Barsan, N., Rusu, D.I., Influence of soil fertilization systems and crop rotation on soil chemical properties, Revista de Chimie, 2019, vol. 70, nr. 2, pag. 536-542, DOI: 10.37358/rc.19.2.6951
105. Chitimus, A.-D., Cochiorca, A., Nedeff, V., Barsan, N., Muscalu Plescan, O., Studies and research on phragmites australis' (Common reed) absorption capacity of heavy metals from the soil in Roman City, Romania, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2018, vol. 18, nr. 3.1, pag. 671-678, DOI: 10.5593/sgem2018/3.1/S12.087

[22] Petrovici, A.M., Cueto, J.L., Gey, R., Nedeff, F., Hernandez, R., Tomozei, C., Mosnegutu, E., 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, 2016, pp. 1617-1628.

106. Parker, Murray; Spennemann, Dirk H. R., Conceptualising sound making and sound loss in the urban heritage environment, INTERNATIONAL JOURNAL OF URBAN SUSTAINABLE DEVELOPMENT, DEC 31 2022, vol. 14, nr. 1, pag. 264-286, DOI: 10.1080/19463138.2022.2103821, <http://dx.doi.org/10.1080/19463138.2022.2103821>, WOS:000830225800001
107. Wrotny, Marcin; Bohatkiewicz, Janusz; Bohatkiewicz-Czaicka, Joanna, Influence of using low-noise pavements on residents' perception of road noise protection, TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT, DEC 2022, vol. 113, Art. Nr. 103531, DOI: 10.1016/j.trd.2022.103531, <http://dx.doi.org/10.1016/j.trd.2022.103531>, WOS:000898604300004

108. Tomozei, Claudia; Panainte-Lehadus, Mirela; Irimia, Oana; Nedeff, Florin, Public transport in Bacau City, 7TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING (EE&AE), 2020, WOS:000659299700127
109. Giraldo-Clavijo, Pablo; Yang, Jidong J., A Comparative study of insertion loss of traffic noise barriers in Georgia, INTERNATIONAL CONFERENCE ON TRANSPORTATION AND DEVELOPMENT 2020 - EMERGING TECHNOLOGIES AND THEIR IMPACTS, 2020, pag. 131-139, WOS:000629102900012
110. Tomozei, Claudia; Nedeff, Valentin; Panainte, Mirela; Telibasa, Gabriela, Experimenting rigid and elastic clamping methods of acoustic screens, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, DEC 2018, vol. 17, nr. 12, pag. 2881-2888, DOI: 10.30638/eemj.2018.288, <http://dx.doi.org/10.30638/eemj.2018.288>, WOS:000456043800012
111. Simion, Sorin; Kovacs, Marius; Toth, Lorand; Ilie, Cosmin; Gireada, Andrei, Workers exposure to noise in surface extractive industry, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, JUN 2017, vol. 16, nr. 6, pag. 1367-1372, DOI: 10.30638/eemj.2017.147, <http://dx.doi.org/10.30638/eemj.2017.147>, WOS:000409071500018
- [23] Turcu, M., Barsan, N., Mosnegutu, E., Dascalu, M., Chitimus, D., Radu, C., Application of the flocculation process in the industrial wastewater treatment, Environmental Engineering and Management Journal, vol. 15, no. 3, 2016, pp. 521-526.
112. Tirtoaca (Irimia), Oana; Lehadus, Mirela Panainte; Nedeff, Valentin; Sandu, Ion; Tomozei, Claudia; Cretu, Vasile Valentin; Sandu, Andrei Victor, Experimental Results Regarding the Groundwater Quality in Bacau City, Romania, REVISTA DE CHIMIE, SEP 2019, vol. 70, nr. 9, pag. 3378-3382, WOS:000489958900060
113. Lupascu, Tudor; Ciobanu, Mihai; Botan, Victor; Sandu, Ioan Gabriel; Dragalin, Ion; Mitina, Tatiana; Sandu, Ion, Removal of ammonium ions and ammonia from groundwater by oxidation processes, REVISTA DE CHIMIE, NOV 2018, vol. 69, nr. 11, pag. 3082-3086, WOS:000451931500026
114. Lulofs, Kris; Bressers, Hans, The governance of major innovation in the water cycle. examining three prominent technologies, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, MAR 2017, vol. 16, nr. 3, pag. 513-524, DOI: 10.30638/eemj.2017.052, WOS:000403508600002
115. Grcic, Ivana; Koprivanac, Natalija; Andricevic, Roko, Reliability study of laboratory scale water treatment by advanced oxidation processes, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, JAN 2017, vol. 16, nr. 1, pag. 1-13, WOS:000399094900001
- [24] Barsan, N., Nedeff, V., Temea, A., Mosnegutu, E., Chitimus, A.D., Tomozei, C., A perspective for poor wastewater inf structure regions: a small-scale sequencing batch reactor treatment system, Chemistry Journal of Moldova, vol. 12, no. 1, 2017, pp. 61-66.
116. Filali, H., Barsan, N., Souguir, D., Nedeff, V., Tomozei, C., Hachicha, M., Greywater as an Alternative Solution for a Sustainable Management of Water Resources—A Review, Sustainability (Switzerland), 2022, vol. 14, nr. 2, art. Nr. 665, DOI: 10.3390/su14020665
117. Datsenko, V., Larin, V., Evaluating the methods used for the regeneration process of copper-zinc solutions, Chemistry Journal of Moldova, 2021, vol. 16, nr. 1, pag. 88-98, DOI: 10.19261/CJM.2021.793
118. Bhat, M.A., Abbasi, T., Abbasi, S.A., A household-scale on-site embodiment of the novel bioreactor SHEFROL® for treating greywater, Taiwan Water Conservancy, 2020, vol. 68, nr. 2, pag. 53-62, DOI: 10.6937/TWC.202006/PP_68(2).0005
119. Barsan, N., Chitimus, D., Nedeff, F.M., Sandu, I., Lehadus, M.P., Sandu, A.V., Tartoaca, O.I., Experimental application of a laboratory SBR plant used for domestic wastewater treatment, Revista de Chimie, 2019, vol. 70, nr. 11, pag. 4098-4101, DOI: 10.37358/rc.70.19.11.7710
120. Untila, C., Caraman, M., Nedeff, V., Barsan, N., Sandu, I., Chitimus, A.D., Cretu, V.V., Tomozei, C., Sandu, A.V., Evaluation of heavy metals and organic compounds in water samples collected from various sources from Republic of Moldova and Romania, Revista de Chimie, 2019, vol. 70, nr. 10, pag. 3570-3574, DOI: 10.37358/rc.19.10.7598
121. Tirtoaca, O., Lehadus, M.P., Nedeff, V., Sandu, I., Tomozei, C., Cretu, V.V., Sandu, A.V., Experimental results regarding the groundwater quality in Bacau city, Romania, Revista de Chimie, 2019, vol. 70, nr. 9, pag. 3378-3382, DOI: 10.37358/rc.19.9.7553
- [25] Cochiorca, A., Nedeff, V., Barsan, N., Mosnegutu, E.F., Panainte-Lehadus, 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, vol. 19, no. 4, 2018, pp. 455-463.

122. Misaila, Lavinia; Barsan, Narcis; Nedeff, Florin Marian; Raducanu, Dumitra; Grosu, Luminita; Patriciu, Oana-Irina; Gavrilă, Lucian; Finaru, Adriana-Luminita, Quality assessment of Slanic-Moldova mineral waters stored in reusable bottles, *SCIENTIFIC STUDY AND RESEARCH-CHEMISTRY AND CHEMICAL ENGINEERING BIOTECHNOLOGY FOOD INDUSTRY*, 2020, vol. 21, nr. 2, pag. 253-262, WOS:000546789300010
123. Tirtoaca (Irimia), Oana; Lehadus, Mirela Panainte; Nedeff, Valentin; Sandu, Ion; Tomozei, Claudia; Cretu, Vasile Valentin; Sandu, Andrei Victor, Experimental results regarding the groundwater quality in Bacau City, Romania, *REVISTA DE CHIMIE*, SEP 2019, vol. 70, nr. 9, pag. 3378-3382, WOS:000489958900060
124. Eblin, Sampah Georges; Konan, Kouakou Seraphin; Mangoua, Oi Mangoua Jules; Nedeff, Valentin; Sandu, Andrei Victor; Barsan, Narcis; Sandu, Ion, Nitrate pollution of groundwater based on GIS in the city of Daloa, west-central Cote d'Ivoire, *REVISTA DE CHIMIE*, JUL 2019, vol. 70, nr. 7, pag. 2579-2583, WOS:000485843500057
- [26] Dascalu, M.E., Lopez-Ramirez, J.A., Nedeff, V., Mosnegutu, E., Rusu, D., APPLICATION OF EXCITATION EMISSION MATRIXES SPECTROSCOPY TO STUDY HUMIC ACIDS REJECTION WITH TiO₂ NANOFILTRATION MEMBRANE WITH ENLARGED AREA, *Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry*, vol. 19, no. 3, 2018, pp. 313-321.
125. Zaharia, A., Nedeff, V., Culea, M., Barsan, N., Tomozei, C., Applications of the ultrafiltration membranes in the industrial effluents treatment processes. A short review, 2022 8th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2022 – Proceedings, 2022, DOI: 10.1109/EEAE53789.2022.9831263
- [27] Muscalu, O.M., Nedeff, V., Chitimus, A.D., Sandu, I.G., Partal, E., Mosnegutu, E., Sandu, I., Rusu, D.I., Influence of fertilization systems on physical and chemical properties of the soil, *Revista De Chimie*, vol. 69, no. 11, 2018, pp. 4006-4011.
126. Artem, Victoria; Negreanu-Pirjol, Ticuta; Ranca, Aurora; Ciobanu, Cristina; Abduraman, Anil; Coroiu, Viorica; Negreanu-Pirjol, Bogdan-Stefan, Experimental studies on the residual marine and viticultural bioresources valorization for new organic fertilizers, *UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE*, 2021, vol. 83, nr. 2, pag. 65-76, WOS:000661663200007
127. Iosob, Gabriel Alin; Nedeff, Valentin; Sandu, Ion; Cristea, Tina Oana; Prisecaru, Maria; Sandu, Ioan Gabriel, The effect of heavy metals (copper and cadmium) on the germination of bell pepper seeds (*capsicum annuml. var. Dariana Bac*), *REVISTA DE CHIMIE*, SEP 2019, vol. 70, nr. 9, pag. 3262-3266, WOS:000489958900037
128. Tirtoaca (Irimia), Oana; Lehadus, Mirela Panainte; Nedeff, Valentin; Sandu, Ion; Tomozei, Claudia; Cretu, Vasile Valentin; Sandu, Andrei Victor, Experimental results regarding the groundwater quality in Bacau City, Romania, *REVISTA DE CHIMIE*, SEP 2019, vol. 70, nr. 9, pag. 3378-3382, WOS:000489958900060
129. Gradinaru, Andrei Cristian; Solcan, Gheorghe; Spataru, Mihalea Claudia; Hritcu, Luminita Diana; Burtan, Liviu Catalin; Spataru, Constantin, The ecotoxicology of heavy metals from various anthropogenic sources and pathways for their bioremediation, *REVISTA DE CHIMIE*, JUL 2019, vol. 70, nr. 7, pag. 2556-2560, WOS:000485843500052
130. Misaila, Lavinia; Nedeff, Florin Marian; Barsan, Narcis; Sandu, Ioan Gabriel; Grosu, Luminita; Patriciu, Oana-Irina; Gavrilă, Lucian; Finaru, Adriana-Luminita, WATERSHED - android application for the mineral waters classification, *REVISTA DE CHIMIE*, JUN 2019, vol. 70, nr. 6, pag. 2212-2217, WOS:000475860100067
131. Eblin, S.G., Konan, K.S., Mangoua, O.M.J., Nedeff, V., Sandu, A.V., Barsan, N., Sandu, I., Nitrate pollution of groundwater based on GIS in the city of Daloa, West-central Cote d'Ivoire, *Revista de Chimie*, 2019, vol. 70, nr. 7, pag. 2579-2583, DOI: 10.37358/rc.19.7.7384
132. Muscalu, O.M., Nedeff, V., Sandu, I.G., Dana Chitimus, A., Partal, E., Barsan, N., Rusu, D.I., Influence of soil fertilization systems and crop rotation on soil chemical properties, *Revista de Chimie*, 2019, vol. 70, nr. 2, pag. 536-542, DOI: 10.37358/rc.19.2.6951
- [28] Tataru, L., Nedeff, V., Barsan, N., Mosnegutu, E., Lehadus, M.P., Sandu, I., Chitimus, D., Studies of Humic Acid Removal from Aqueous Systems by Using Polymeric Membrane Ultrafiltration Process, *Materiale Plastice*, vol. 55, no. 4, 2018, pp. 680-685.

133. Barsan, N., Chitimus, D., Nedeff, F.M., Sandu, I., Lehadus, M.P., Sandu, A.V., Tartoaca, O.I., Experimental application of a laboratory SBR plant used for domestic wastewater treatment, *Revista de Chimie*, 2019, vol. 70, nr. 11, pag. 4098-4101, DOI: 10.37358/rc.70.19.11.7710
134. Untila, C., Caraman, M., Nedeff, V., Barsan, N., Sandu, I., Chitimus, A.D., Cretu, V.V., Tomozei, C., Sandu, A.V., Evaluation of heavy metals and organic compounds in water samples collected from various sources from Republic of Moldova and Romania, *Revista de Chimie*, 2019, vol. 70, nr. 10, pag. 3570-3574, DOI: 10.37358/rc.19.10.7598
- [28] Chitimus, A.D., Nedeff, V., Sandu, I., Radu, C., Mosnegutu, E., Sandu, I.G., Barsan, N., Absorption capacity of heavy metals in the case of typha latifolia plant species, *Revista De Chimie*, vol. 70, no. 8, 2019, pp. 3058-3061.
135. Mousavi, S.S., Karami, A., Movahhed Haghighi, T., Tahmasebi, A., Lead, copper, zinc and aluminum tolerance in contrasting ecotypes of *Scrophularia striata*, *Acta Ecologica Sinica*, 2023, vol. 43, nr. 1, pag. 125-138, DOI: 10.1016/j.chnaes.2022.01.005
- [30] 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.
136. Misaila, L.; Barsan, N.; Nedeff, F.M.; Raducanu, D.; Grosu, L.; Patriciu, O.I.; Gavrilă, L.; Finaru, A.L.; Misaila, L.; Lavinia, B.; Barsan, N.; Narcis, N.; Nedeff, F.M.; Florin Marian, F.; Raducanu, D.; Dumitra, G.; Grosu, L.; Luminita, L.; Patriciu, O.I.; Oana-Irina, I.; Gavrilă, L.; Lucian, C.; Finaru, A.L.; Adriana-Luminita, A.L., Quality assessment of slanic-moldova mineral waters stored in reusable bottles, *SCIENTIFIC STUDY AND RESEARCH-CHEMISTRY AND CHEMICAL ENGINEERING BIOTECHNOLOGY FOOD INDUSTRY*, 2020, vol. 21, nr. 2, pag. 253-262, WOS:000546789300010
- [31] Fabian, F., Nedeff, V., Birsan, N., Mosnegutu, E., Energy and Chemicals Consumption Evaluation in Water Treatment Plant A comparative study between Bacau and Turin, *Revista De Chimie*, vol. 70, no. 3, 2019, pp. 881-886.
137. Barsan, N.; Narcis, N.; Chitimus, D.; Dana, D.; Nedeff, F.M.; Florin Marian, F.; Sandu, I.; Lehadus, M.P.; Mirela Panainte, M.; Sandu, A.V.; Andrei Victor, V.; Tartoaca, O.I.; Irimia, O., Experimental application of a laboratory SBR plant used for domestic wastewater treatment, *REVISTA DE CHIMIE*, NOV 2019, vol. 70, nr. 11, pag. 4098-4101, WOS:000503185300067
138. Untila, C.; Caraman, M.; Mihail, M.; Nedeff, V.; Barsan, N.; Narcis, N.; Sandu, I.; Chitimus, A.D.; Dana, D.; Cretu, V.V.; Vasile Valentin, V.; Tomozei, C.; Claudia, C.; Sandu, A.V.; Andrei Victor, V., Evaluation of heavy metals and organic compounds in water samples collected from various sources from Republic of Moldova and Romania, *REVISTA DE CHIMIE*, OCT 2019, vol. 70, nr. 10, pag. 3570-3574, WOS:000500795900025
139. Tartoaca, O.I.; Irimia, O.; Oana, I.; Lehadus, M.P.; Mirela Panainte, M.; Nedeff, V.; Valentin, V.; Sandu, I.; Ion, I.; Tomozei, C.; Claudia, C.; Cretu, V.V.; Vasile Valentin, V.; Sandu, A.V.; Andrei Victor, V., Experimental results regarding the groundwater quality in Bacau City, Romania, *REVISTA DE CHIMIE*, SEP 2019, vol. 70, nr. 9, pag. 3378-3382, WOS:000489958900060
- [32] 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, pp. 809-813.
140. Sandu, A.V.; Andrei Victor, V.; Vasilache, V.; Viorica, V.; Sandu, I.; Ioan Gabriel, G.; Sieliechi, J.M.; Kouame, I.; Kouassi, K.; Matasaru, P.; Daniel, D.; Sandu, I., Characterization of the Acid-Base Character of Burned Clay Ceramics Used for Water Decontamination, *MATERIALS*, DEC, 2019, 12, 23, Article Number 3836, 10.3390/ma12233836, WOS:000510178700032
141. Iosob, G.; Alin, A.; Nedeff, V.; Valentin, V.; Sandu, I.; Cristea, T.; Oana, I.; Prisecaru, M.; Maria, M.; Sandu, I.; Ioan Gabriel, G., The Effect of Heavy Metals (Copper and Cadmium) on the Germination of Bell Pepper Seeds (*Capsicum annum* L. var. *Dariana* Bac), *REVISTA DE CHIMIE*, SEP, 2019, 70, 9, pag. 3262-3266, WOS:000489958900037
- [33] Goldan, E., Nedeff, V., Sandu, I., Barsan, N., Mosnegutu, E., Panainte, M., The Use of Biochar and Compost Mixtures as Potential Organic Fertilizers, *Revista De Chimie*, vol. 70, no. 6, 2019, pp. 2192-2197.
142. Al-Rabaia, A.; Ahmed, A.; Menezes-Blackburn, D.; Al-Ismaïly, S.; Janke, R.; Pracejus, B.; Bernhard, B.; Al-Alawi, A.; Ahmed, A.; Al-Kindi, M.; Bol, R., Customized biochar for soil applications in arid land: Effect of feedstock type and pyrolysis temperature on soil microbial enumeration and respiration, *JOURNAL*

- OF ANALYTICAL AND APPLIED PYROLYSIS, NOV 2022, art. Nr. 168105693, 10.1016/j.jaap.2022.105693, WOS:000861803700003
143. Rombel, Aleksandra; Krasucka, Patrycja; Oleszczuk, Patryk, Sustainable biochar-based soil fertilizers and amendments as a new trend in biochar research, *SCIENCE OF THE TOTAL ENVIRONMENT*, APR 10 2022, nr. Art. 816151588, DOI: 10.1016/j.scitotenv.2021.151588, WOS:000766811900010
144. Artem, Victoria; Negreanu-Pirjol, Ticuta; Ranca, Aurora; Ciobanu, Cristina; Abduraman, Anil; Coroiu, Viorica; Negreanu-Pirjol, Bogdan-Stefan, Experimental studies on the residual marine and viticultural bioresources valorization for new organic fertilizers, *University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry and Materials Science*, 2021, vol. 83, nr. 2, pag. 65-76, WOS:000661663200007
145. Iosob, Gabriel Alin; Nedeff, Valentin; Sandu, Ion; Cristea, Tina Oana; Prisecaru, Maria; Sandu, Ioan Gabriel, The Effect of Heavy Metals (Copper and Cadmium) on the Germination of Bell Pepper Seeds (*Capsicum annum* L. var. *Dariana Bac*), *REVISTA DE CHIMIE*, 2019, vol. 70, nr. 9, pag. 3262-3266, WOS:000489958900037
- [34] 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, pp. 169-173.
146. Iosob, Gabriel Alin; Nedeff, Valentin; Sandu, Ion; Cristea, Tina Oana; Prisecaru, Maria; Sandu, Ioan Gabriel, The Effect of Heavy Metals (Copper and Cadmium) on the Germination of Bell Pepper Seeds (*Capsicum annum* L. var. *Dariana Bac*), *REVISTA DE CHIMIE*, SEP 2019, vol. 70, nr. 9, pag. 3262-3266, WOS:000489958900037
147. Zakarya, Irnis Azura; Khalib, Siti Noor Baya; Sandu, Andrei Victor, The study of different aeration rate effect during composting of rice straw ash and food waste in managing the abundance of rice straw at paddy field, *INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE*, APR-JUN 2019, vol. 10, nr. 2, pag. 335-342, WOS:000488882500012
148. Iosob, Gabriel-Alin; Nedeff, Valentin; Sandu, Ion; Prisecaru, Maria; Cristea, Tina Oana, Study of Phytotoxic Effects of Cu²⁺ and Cd²⁺ on Seed Germination and Chlorophyll Pigments Content to the Bell Pepper, *REVISTA DE CHIMIE*, APR 2019, vol. 70, nr. 4, pag. 1416-1419, WOS:000469387200065
- [35] Lehadus, M.P., Nedeff, V., Barsan, N., Sandu, A.V., Mosnegutu, E., Tomozei, C., Irimia, O., Andrioai, G., Sandu, I., Monitoring the Particulate Matter (PM₁₀) Emissions from Bacau City Thermo-Energetic Industry, *Revista De Chimie*, vol. 70, no. 8, 2019, pp. 2869-2872.
149. Mohd Ridzuan, Nursyaida Amila; Mohamed Noor, Norazian; Rahim, Nur Alis Addiena A.; Mohd Jafri, Izzati Amani; Ul Saufie, Ahmad Zia; Mohd Arif Zainol, Mohd Remy Rozainy; Kamaruddin, Mohamad Anuar; Deak, Gyorgy, Modeling of particulate matter (PM₁₀) during high particulate event (hpe) in Klang valley, Malaysia, *INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE*, JUL-SEP 2022, vol. 13, nr. 3, pag. 1065-1078, WOS:000880174700025
- [36] Mosnegutu, E.F., Nedeff, V., Chitimus, A.D., Rusu, D.I., Joita, I., Aspects Regarding the Siret River Direction-Changing in the Bacau County Region, Romania, *International Journal of Conservation Science*, vol. 10, no. 1, 2019, pp. 131-138.
150. Eblin, Sampah Georges; Konan, Kouakou Seraphin; Mangoua, Oi Mangoua Jules; Nedeff, Valentin; Sandu, Andrei Victor; Barsan, Narcis; Sandu, Ion, Nitrate Pollution of groundwater based on GIS in the city of Daloa, West-central Cote d'Ivoire, *REVISTA DE CHIMIE*, JUL 2019, vol. 70, nr. 7, pag. 2579-2583, WOS:000485843500057
- [37] Muscalu, O.M., Nedeff, V., Sandu, I.G., Partal, E., Mosnegutu, E., Barsan, N., Sandu, I., Rusu, D., Influence of Main Works Systems on Physical and Chemical Properties of the Soil, *Revista De Chimie*, vol. 70, no. 5, 2019, pp. 1726-1730.
151. Iosob, Gabriel Alin; Nedeff, Valentin; Sandu, Ion; Cristea, Tina Oana; Prisecaru, Maria; Sandu, Ioan Gabriel, The effect of heavy metals (copper and cadmium) on the germination of bell pepper seeds (*Capsicum annum* L. var. *dariana bac*), *REVISTA DE CHIMIE*, SEP 2019, vol. 70, nr. 9, pag. 3262-3266, WOS:000489958900037
152. Tirtoaca (Irimia), Oana; Lehadus, Mirela Panainte; Nedeff, Valentin; Sandu, Ion; Tomozei, Claudia; Cretu, Vasile Valentin; Sandu, Andrei Victor, Experimental results regarding the groundwater quality in Bacau City, Romania, *REVISTA DE CHIMIE*, SEP 2019, vol. 70, nr. 9, pag. 3378-3382, WOS:000489958900060

[38] 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.

153. Makrigianni, Eirini A.; Papadaki, Eirini S.; Chatzimitakos, Theodoros; Athanasiadis, Vassilis; Bozinou, Eleni; Lalas, Stavros, I, Application of humic and fulvic acids as an alternative method of cleaning water from plant protection product residues, *SEPARATIONS*, OCT 2022, vol. 9, nr. 10, Article Number 313, DOI: 0.3390/separations9100313, WOS:000873566200001
154. Saldarriaga-Hernandez, Sara; Hernandez-Vargas, Gustavo; Iqbal, Hafiz M. N.; Barcelo, Damia; Parra-Saldivar, Roberto, Bioremediation potential of *Sargassum* sp. biomass to tackle pollution in coastal ecosystems: Circular economy approach, *SCIENCE OF THE TOTAL ENVIRONMENT*, MAY 1 2020, vol. 715, Article Number. 136978, DOI: 10.1016/j.scitotenv.2020.136978, WOS:000518409900023
155. Altug, Deniz Turkoz; Kinayturk, Neslihan Kaya; Tunali, Belgin, The use of pumice to prevent penetration of cypermethrin into the soil, *FRESENIUS ENVIRONMENTAL BULLETIN*, 2020, vol. 29, nr. , 12A, pag. 11266-11272, WOS:000629180800025
156. Galadima, Musa, Singh, Simranjeet, Pawar, Akshay, Khasnabis, Sutripto, Dhanjal, Daljeet Singh, Anil, Amith G., Rai, Pratistha, Ramamurthy, Praveen C., Singh, Joginder, Toxicity, microbial degradation and analytical detection of pyrethroids: A review, *Environmental Advances Open Access* Volume 5 October 2021 Article number 100105, DOI 10.1016/j.envadv.2021.100105

[39] Tataru, L., Barsan, N., Nedeff, F.M., Sandu, I., Mosnegutu, E., Chitimus, D.A., Cochiorca, A., Sandu, I.G., Treatment Study of Brook Water by Using the Ultrafiltration Pilot with Polymeric Membrane, *Materiale Plastice*, vol. 56, no. 4, 2019, pp. 986-994.

157. Zaharia, A., Nedeff, V., Culea, M., Barsan, N., Tomozei, C., Applications of the ultrafiltration membranes in the industrial effluents treatment processes. A short review, 2022 8th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2022 – Proceedings, 2022, DOI: 10.1109/EEAE53789.2022.9831263

[40] 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, pp. 97-102.

158. Sandu, Andrei Victor; Vasilache, Viorica; Sandu, Ioan Gabriel; Sieliechi, Joseph M.; Kouame, Innocent Kouassi; Matasar, Petre Daniel; Sandu, Ion, Characterization of the acid-base character of burned clay ceramics used for water decontamination, *MATERIALS*, DEC 2019, vol. 12, nr. 23, Article Number 3836, DOI: 10.3390/ma12233836, WOS:000510178700032
159. Barsan, Narcis; Chitimus, Dana; Nedeff, Florin Marian; Sandu, Ion; Lehadus, Mirela Panainte; Sandu, Andrei Victor; Tartoaca, Oana Irimia, Experimental application of a laboratory SBR plant used for domestic wastewater treatment, *REVISTA DE CHIMIE*, NOV 2019, vol. 70, nr. 11, pag. 4098-4101, WOS:000503185300067
160. Untila, Carolina; Caraman, Mihail; Nedeff, Valentin; Barsan, Narcis; Sandu, Ion; Chitimus, Alexandra Dana; Cretu, Vasile Valentin; Tomozei, Claudia; Sandu, Andrei Victor, Evaluation of heavy metals and organic compounds in water samples collected from various sources from Republic of Moldova and Romania, *REVISTA DE CHIMIE*, OCT 2019, vol. 70, nr. 10, pag. 3570-3574, WOS:000500795900025
161. Tirtoc, Oana; Lehadus, Mirela Panainte; Nedeff, Valentin; Sandu, Ion; Tomozei, Claudia; Cretu, Vasile Valentin; Sandu, Andrei Victor, Experimental results regarding the groundwater quality in Bacau City, Romania, *REVISTA DE CHIMIE*, SEP 2019, vol. 70, nr. 9, pag. 3378-3382, WOS:000489958900060
162. Zaharia A., Nedeff V., Culea M., Barsan N., Tomozei C., Applications of the ultrafiltration membranes in the industrial effluents treatment processes. A short review, 2022 8th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2022, Proceedings, 2022, DOI: 10.1109/EEAE53789.2022.9831263, 30 June 2022 through 2 July 2022

[41] Barsan, N., Zaharia, A., Chitimus, D., Mosnegutu, E., Florin, N., Rusu, D., Untila, C., Capsa, D., Filtration Theory and Techniques. A Short Review on the Filtration Process, 7th International Conference on Energy Efficiency and Agricultural Engineering (Ee&Ae), 2020.

163. Nsubuga, D., Kabenge, I., Zziwa, A., Yiga, V.A., Mpendo, Y., Harbert, M., Kizza, R., Banadda, N., Wydra, K.D., Optimization of adsorbent dose and contact time for the production of jackfruit waste nutrient-enriched biochar, *Waste Disposal and Sustainable Energy*, 2023, DOI: 10.1007/s42768-022-00123-1

[42] Mosnegutu, E.F., Panainte-Lehadus, M., Nedeff, F., Tirtoaca, O., Tomozei, C., 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, 2020, pp. 179-188.

164. Hegyi, A; Vermesan, H; Lazarescu, AV; Petcu, C; Bulacu, CHegyi, Andreea; Vermesan, Horatiu; Lazarescu, Adrian-Victor; Petcu, Cristian; Bulacu, Cezar, Thermal insulation mattresses based on textile waste and recycled plastic waste fibres, integrating natural fibres of vegetable or animal origin, MATERIALS, 2022, vol. 15, nr. 4, nr. Art. 1348, DOI: 10.3390/ma15041348, Pubmed Id 35207888, WOS:000765075300001

165. Mihai, V; Nedeff, V; Mirela, PL; Florin, ME; Narcis, B; Claudia, TMihai, Vulpe; Nedeff, Valentin; Mirela, Panainte-Lehadus; Florin, Mosnegutu Emilian; Narcis, Barsan; Claudia, Tomozei, Study of waste management in different areas from Romania, FRESENIUS ENVIRONMENTAL BULLETIN, 2021, vol. 30, nr. 3, pag. 2686-2691, WOS:000629181400044

[43] Cochiorca, A., Fiorucci, A., Nedeff, V., Barsan, N., Mosnegutu, E.F., Chitimus, D., Panainte-Lehadus, M., Water Quality Analysis from a Mining Area. Case Study: Targu Ocna Salt Mine, Romania, Environmental Engineering and Management Journal, vol. 20, no. 3, 2021, pp. 355-360.

166. Khouri, Lina; Al-Moufti, Mhd Bashar, Selection of suitable aggregation function for estimation of water quality index for the Orontes River, ECOLOGICAL INDICATORS, SEP 2022, nr. Art. 142109290, DOI: 10.1016/j.ecolind.2022.109290, WOS:000861982800002

167. Tkachuk, Nataliia; Zelena, Liubov; Fedun, Oleksandr, Phytotoxicity of the aqueous solutions of some synthetic surfactant-containing dishwashing liquids with and without phosphates, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, JUN 2022, vol. 21, nr. 6, pag. 965-970, WOS:000852744900006

168. Mchiouer, Fatiha; El Ouarghi, Hossain; Elyousfi, Yassine; Abourrich, Mustapha, Hygienic quality assessment of well and spring water: a case study of the region of al-hoceima (morocco northern), ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, MAR 2022, vol. 21, nr. 3, pag. 353-364, WOS:000820049000002

[44] Belhout, D., Tigrine, Z., Mosnegutu, E.F., Benabdelaziz, F.K., Management of reverse osmosis concentrate by solar distillation, Water Supply, vol. 22, no. 8, 2022, pp. 6490-6503.

169. Hari Krishna, Jeeoot Singh, Vijay Kumar Dwivedi and Desh Bandhu Singh, Effect of dissimilarity of N and mass flow rates on yearly overall energy, exergy, and efficiency of PVT-FPC included dual-slope solar desalting units, Water Supply, vol 00, No 0,1;doi:10.2166/ws.2023.175.

[45] Ghezali, K., Bentahar, N., Barsan, N., Nedeff, V., Mosnegutu, E., Potential of Canna indica in Vertical Flow Constructed Wetlands for Heavy Metals and Nitrogen Removal from Algiers Refinery Wastewater, Sustainability, vol. 14, no. 8, 2022.

170. Gabr, Mohamed Elsayed; Al-Ansari, Nadhir; Salem, Ali; Awad, Ahmed, Proposing a wetland-based economic approach for wastewater treatment in arid regions as an alternative irrigation water source, HYDROLOGY, JAN 2023, vol. 10, nr. 1, DOI: 10.3390/hydrology10010020, WOS:000915188500001

171. Szmagara, Mariusz; Kopacki, Marek; Skwarylo-Bednarz, Barbara; Jamiolkowska, Agnieszka; Marcinek, Barbara; Rysiak, Krystyna; Szmagara, Agnieszka, Assessment of biometric parameters and health of canna's cultivars as plant useful in phytoremediation of degraded agroecosystems, AGRICULTURE-BASEL, JAN 2023, vol. 13, nr. 1, nr. Art. 157, DOI: 10.3390/agriculture13010157, WOS:000913814900001

172. Tejada, Allan; Valencia-Botin, Alberto J.; Zurita, Florentina, Resistance evaluation of Canna indica, Cyperus papyrus, Iris sibirica, and Typha latifolia to phytotoxic characteristics of diluted tequila vinasses in wetland microcosms, INTERNATIONAL JOURNAL OF PHYTOREMEDIATION, 1549-7879, DOI: 10.1080/15226514.2022.2145266, Pubmed Id 36382673, WOS:000884663900001

173. Muduli, M., Choudhary, M., Ray, S., Remediation and characterization of emerging and environmental pollutants from residential wastewater using a nature-based system, Environmental Science and Pollution Research, 2023, DOI: 10.1007/s11356-023-25553-0, Scopus

[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.

174. Dar, Zubair Ahmad; Bhat, Javeed Iqbal Ahmad; Qazi, Gazala; Ganie, Sartaj Ahmad; Amin, Azra; Farooq, Shabeena; Nazir, Arifa; Rasool, Akhtar, Municipal sewage sludge, aquatic weed compost on soil enzymatic

- activity and heavy metal accumulation in Kale (*Brassica oleracea* L.), *APPLIED WATER SCIENCE*, 2023, vol. 13, nr. 2, DOI: 10.1007/s13201-022-01855-5, WOS:000908545300002
175. Zhang, Shuai-Zheng; Cui, Zhen-Shui; Zhang, Mo; Zhang, Zhan-Hui, Biochar-based functional materials as heterogeneous catalysts for organic reactions, *CURRENT OPINION IN GREEN AND SUSTAINABLE CHEMISTRY*, 2022, art. Nr. 38100713, DOI: 10.1016/j.cogsc.2022.100713, WOS:000901803800003
176. Ghorbani, Mohammad; Konvalina, Petr; Walkiewicz, Anna; Neugschwandtner, Reinhard W.; Kopecky, Marek; Zamanian, Kazem; Chen, Wei-Hsin; Bucur, Daniel, Feasibility of biochar derived from sewage sludge to promote sustainable agriculture and mitigate GHG emissions-A review, *INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH*, 2022, vol. 19, nr. 19, art. Nr. 12983, DOI: 10.3390/ijerph191912983, WOS:000866932300001
177. Anita Leovac Macerak, Aleksandra Kulic Mandic, Vesna Pešić, Dragana Tomašević Pilipović, Milena Bećelčić-Tomin and Djurdja Kerkez, “Green” nZVI-Biochar as Fenton Catalyst: Perspective of Closing-the-Loop in Wastewater Treatment, *Molecules* 2023, 28, 1425. <https://doi.org/10.3390/molecules28031425>
178. Felipe de Jesus Villalobos-Delgado, Hilda Elizabeth Reynel-Avila, Didilia Ileana Mendoza-Castillo and Adrian Bonilla-Petriciolet, Lipid extraction in the primary sludge generated from urban wastewater treatment: characteristics and seasonal composition analysis, *Water Science & Technology*, 2023, 87 (11), 2930–2943, <https://doi.org/10.2166/wst.2023.165>.
179. Aikaterini Efthymiou, Inês Nunes, Birgit Jensen, Iver Jakobsen, Response of bacterial communities to the application of sewage sludge biochar and *Penicillium aculeatum* in rhizosphere and bulk soil of wheat, *Applied Soil Ecology*, Volume 190, October 2023, 104986
- [47] Grzegorz, P., Emilian, M., Adrian, C., Oana, I., Hazardous Waste Advanced Management in a Selected Region of Poland, *Processes*, vol. 10, no. 10, 2022.
180. Alena Harbiantkova * and Sławomir Kalinowski, MSW Management to Zero Waste: Challenges and Perspectives in Belarus, *Sustainability* 2023, vol. 15, 2012. <https://doi.org/10.3390/su15032012>
181. Fatma Lestari, Dina Lusiana Setyowati, Adonis Muzanni, Abdul Kadir, Isradi Zainal, James Evert Adolf Liku, Anisa Kusumadewi Zulfikar, Iin Pratama Sari, Widya Mulya, Lina Yuliana, Iwan Zulfikar, Komeyni Rusba, Irma Nurmawanti, Ira Tri Susanti, Citra Sakina, Herti Ayu Yusvalina, Andrio Adiwibowo, Noor Aulia Ramadhan, Saraswati Andani, Wulan Kusuma Wardani, Noer Kholis, Eka Pradipta and Ana Maria Cruz, Industrial and Environmental Disaster Risk Assessment for Hazardous Materials in Balikpapan City, East Kalimantan, Indonesia, *Sustainability* 2023, 15, 9430. <https://doi.org/10.3390/su15129430>
- [48] Nikiema, M., Barsan, N., Maiga, Y., Somda, M.K., Mosnegutu, E., Ouattara, C.A.T., Dianou, D., Traore, A.S., Nedeff, V., Ouattara, A.S., Optimization of biogas production from sewage sludge: impact of combination with bovine dung and leachate from municipal organic waste, *Sustainability*, vol. 14, no. 8, 2022.
182. Kanan, Mohammad; Habib, Muhammad Salman; Habib, Tufail; Zahoor, Sadaf; Gulzar, Anas; Raza, Hamid; Abusaq, Zaher, A flexible robust possibilistic programming approach for sustainable second-generation biogas supply chain design under multiple uncertainties, *SUSTAINABILITY*, SEP 2022, vol. 14, nr. 18, art. Nr. 11597, DOI: 10.3390/su141811597, WOS:000860178800001
183. Czatzkowska, Malgorzata; Wolak, Izabela; Korzeniewska, Ewa; Harnisz, Monika, Anaerobic digestion in the presence of antimicrobials-characteristics of its parameters and the structure of methanogens, *APPLIED SCIENCES-BASEL*, SEP 2022, vol. 12, nr. 17, art. Nr. 8422, DOI: 10.3390/app12178422, WOS:000852485500001
184. Joanna Kazimierowicz and Marcin Debowski, Characteristics of Solidified Carbon Dioxide and Perspectives for Its Sustainable Application in Sewage Sludge Management, *Int. J. Mol. Sci.* 2023, vol. 24, 2324. <https://doi.org/10.3390/ijms24032324>
185. Soukaina Bouaouda, Salah Souabi, Roukaya Bouyakhass, Abdeslam Taleb, Abdelaziz Madinzi, Abdelkader Anouzla, Techniques for treating leachate discharges: A critical review, *Euro-Mediterranean Journal for Environmental Integration*, 2023, 1-27, <https://doi.org/10.1007/s41207-023-00366-2>
186. Mebrahtom Gebresemati Weldehans, Optimization of distillery-sourced wastewater anaerobic digestion for biogas production, *Cleaner Waste Systems*, Volume 6, December 2023, 100118
- [49] Oana, I., Grzegorz, P., Mirela, P.L., Claudia, T., Emilian, M., Piotr, G., Indicators of impact selected municipal units on the air quality-case study from Poland and Romania, *Processes*, vol. 10, no. 12, 2022.

187. Ioan Aurel Chereches, Iulia Diana Arion*, Iulia C. Muresan and Ferenc Gaspar, Study of the Effects of the COVID-19 Pandemic on Air Quality: A Case Study in Cluj-Napoca, Romania, Sustainability, 2023, vol. 15, no. 3, 2549; <https://doi.org/10.3390/su15032549>

[50] Ouro-Sama, K., Tanouayi, G., Solitoke, H.D., Barsan, N., Mosnegutu, E., Badassan, T.E., Agbere, S., Adje, K., Nedeff, V., Gnandi, K., Polycyclic aromatic hydrocarbons (PAHs) Contamination in *Chrysichthys nigrodigitatus* Lacépède, 1803 from Lake Togo-Lagoon of Aného, Togo: Possible Human Health Risk Suitable to Their Consumption, In: International Journal of Environmental Research and Public Health, 2023, vol. 20, no. Issue.

188. Luiza C. Mello, Adriana P. Nascimento, Beatriz D. Lopes, Antônia D. F. Lima, Luís E. A. Bezerra, Liana de F. Mendes, Luciana M. Bastos, Arlene B. S. Nossol, Mário M. Martins, Laercio L. Martins, Rivelino M. Cavalcante, Tarballs on the Brazilian coast in late 2022 sustain *Lepas anatifera* Linnaeus, 1758 (Crustacea: Cirripedia): Occurrence and risk of petroleum hydrocarbon ingestion, Science of the Total Environment, 896 (2023), 164981, <http://dx.doi.org/10.1016/j.scitotenv.2023.164981>.

[51] Năstuneac, V., Panainte-Lehăduș, M., Moșneguțu, E.F., Gavrița, 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, 2019, vol. 16, nr. 19, art. Nr. 3663, DOI: 10.3390/ijerph16193663

189. Makrigianni E.A., Papadaki E.S., Chatzimitakos T., Athanasiadis V., Bozinou E., Lalas S.I., Application of humic and fulvic acids as an alternative method of cleaning water from plant protection product residues, Separations, 2022, vol. 9, nr. 10, art. Nr. 313, DOI: 10.3390/separations9100313

190. Galadima M., Singh S., Pawar A., Khasnabis S., Dhanjal D.S., Anil A.G., Rai P., Ramamurthy P.C., Singh J., Toxicity, microbial degradation and analytical detection of pyrethroids: A review, Environmental Advances, 2021, art. Nr. 100105, DOI: 10.1016/j.envadv.2021.100105

191. Altug D.T., Kinayturk N.K., Tunali B., The use of pumice to prevent penetration of cypermethrin into the soil, Fresenius Environmental Bulletin, 2020, vol. 29, nr. 12, pag. 11266-11272

192. Saldarriaga-Hernandez S., Hernandez-Vargas G., Iqbal H.M.N., Barceló D., Parra-Saldívar R., Bioremediation potential of *Sargassum* sp. biomass to tackle pollution in coastal ecosystems: Circular economy approach, Science of the Total Environment, 2020, vo. 715, art. Nr. 136978, DOI: 10.1016/j.scitotenv.2020.136978

[52] Cochiorca, A., Nedeff, V., Bârsan, N., Moșneguțu, E.F., Panainte-Lehăduș, M., Aspects related to water quality assessment in a mining activity area. Case study, mining area Targu Oghita, Romania, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2018, vol. 18, nr. 3.1, pag. 87-94, DOI: 10.5593/sgem2018/3.1/S12.012

193. Barsan, N., Chitimus, D., Nedeff, F.M., Sandu, I., Lehadus, M.P., Sandu, A.V., Tartoaca, O.I., Experimental application of a laboratory SBR plant used for domestic wastewater treatment, Revista de Chimie, 2019, vol. 70, nr. 11, pag. 4098-4101, DOI: 10.37358/rc.70.19.11.7710

194. Untila, C., Caraman, M., Nedeff, V., Barsan, N., Sandu, I., Chitimus, A.D., Cretu, V.V., Tomozei, C., Sandu, A.V., Evaluation of heavy metals and organic compounds in water samples collected from various sources from Republic of Moldova and Romania, Revista de Chimie, 2019, vol. 70, nr. 10, pag. 3570-3574, DOI: 10.37358/rc.19.10.7598

195. Tirtoc, O., Lehadus, M.P., Nedeff, V., Sandu, I., Tomozei, C., Cretu, V.V., Sandu, A.V., Experimental results regarding the groundwater quality in Bacău city, Romania, Revista de Chimie, 2019, vol. 70, nr. 9, pag. 3378-3382, DOI: 10.37358/rc.19.9.7553

196. Eblin, S.G., Konan, K.S., Mangoua, O.M.J., Nedeff, V., Sandu, A.V., Barsan, N., Sandu, I., Nitrate pollution of groundwater based on GIS in the city of Daloa, West-central Cote d'Ivoire, Revista de Chimie, 2019, vol. 70, nr. 7, pag. 2579-2583, DOI: 10.37358/rc.19.7.7384

[53] Dana, C., Narcis, B., Valentin, N., Emilian, M., Oana, M.P., Studies and research concerning the influence of liquid pollutants' leaching speed in the soil on the process of cleaning and self-cleaning, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2017, vol. 17, nr. 52, pag. 859-866, DOI: 10.5593/sgem2017/52/S20.110

197. Iosob, G.-A., Nedeff, V., Sandu, I., Prisecaru, M., Cristea, T.O., Study of phytotoxic effects of Cu²⁺ and Cd²⁺ on seed germination and chlorophyll pigments content to the bell pepper, Revista de Chimie, 2019, vol. 70, nr. 4, pag. 1416-1419, DOI: 10.37358/rc.19.4.7140

198. Iosob, G.A., Nedeff, V., Sandu, I., Cristea, T.O., Prisecaru, M., Sandu, I.G., The effect of heavy metals (copper and cadmium) on the germination of bell pepper seeds (*Capsicum annuum* L. Var. *Dariana* Bac), *Revista de Chimie*, 2019, vol. 70, nr. 9, pag. 3262-3266, DOI: 10.37358/rc.19.9.7567
199. Eblin, S.G., Konan, K.S., Mangoua, O.M.J., Nedeff, V., Sandu, A.V., Barsan, N., Sandu, I., Nitrate Pollution of Groundwater Based on GIS in the City of Daloa, West-central Cote d'Ivoire, *Revista de Chimie*, 2019, vol. 70, nr. 7, pag. 2579-2583, DOI: 10.37358/rc.19.7.7384
200. Muscalu, O.M., Nedeff, V., Sandu, I.G., Dana Chitimus, A., Partal, E., Barsan, N., Rusu, D.I., Influence of soil fertilization systems and crop rotation on soil chemical properties, *Revista de Chimie*, 2019, vol. 70, nr. 2, pag. 536-542, DOI: 10.37358/rc.19.2.6951
- [54] Barsan, N., Nedeff, V., Temea, A., Mosnegutu, E., Chitimus, A.D., Tomozei, C., A perspective for poor wastewater infrastructure regions: A small-scale sequencing batch reactor treatment system, *Chemistry Journal of Moldova*, 2017, vol. 12, nr. 1, pag. 61-66, DOI: 10.19261/cjm.2017.387
201. Filali, H., Barsan, N., Souguir, D., Nedeff, V., Tomozei, C., Hachicha, M., Greywater as an Alternative Solution for a Sustainable Management of Water Resources—A Review, *Sustainability* (Switzerland), 2022, vol. 14, nr. 2, art. Nr. 665, DOI: 10.3390/su14020665
202. Datsenko, V., Larin, V., Evaluating the methods used for the regeneration process of copper-zinc solutions, *Chemistry Journal of Moldova*, 2021, vol. 16, nr. 1, pag. 88-98, DOI: 10.19261/CJM.2021.793
203. Bhat, M.A., Abbasi, T., Abbasi, S.A., A household-scale on-site embodiment of the novel bioreactor SHEFROL® for treating greywater, *Taiwan Water Conservancy*, 2020, vol. 68, nr. 2, pag. 53-62, DOI: 10.6937/TWC.202006/PP_68(2).0005
204. Barsan, N., Chitimus, D., Nedeff, F.M., Sandu, I., Lehadus, M.P., Sandu, A.V., Tartoaca, O.I., Experimental application of a laboratory SBR plant used for domestic wastewater treatment, *Revista de Chimie*, 2019, vol. 70, nr. 11, pag. 4098-4101, DOI: 10.37358/rc.70.11.7710
205. Untila, C., Caraman, M., Nedeff, V., Barsan, N., Sandu, I., Chitimus, A.D., Cretu, V.V., Tomozei, C., Sandu, A.V., Evaluation of heavy metals and organic compounds in water samples collected from various sources from Republic of Moldova and Romania, *Revista de Chimie*, 2019, vol. 70, nr. 10, pag. 3570-3574, DOI: 10.37358/rc.19.10.7598
206. Tirtoc, O., Lehadus, M.P., Nedeff, V., Sandu, I., Tomozei, C., Cretu, V.V., Sandu, A.V., Experimental results regarding the groundwater quality in Bacau city, Romania, *Revista de Chimie*, 2019, vol. 70, nr. 9, pag. 3378-3382, DOI: 10.37358/rc.19.9.7553
- [55] Panainte M., Nedeff V., Savin C., Mosnegutu E., Macarescu B., Determination of energy consumption at grinding through heating at different species and sorts of fruits with variable texture, *UPB Scientific Bulletin, Series D: Mechanical Engineering*, 2007, vol. 69, nr. 4, pp. 95-102.
207. Asonye, G.U., Asoegwu, S.N., Maduako, J.N., N.madubuike, C., Energy requirements for cutting of selected vegetables: A review, *Agricultural Engineering International: CIGR Journal*, 2018, vol. 20, nr. 4, pag. 139-148, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062478463&partnerID=40&md5=89c55a88ca40d8329e159124094c9205>
- [56] Plăcintă Constantin, Stanciu Sergiu, Panainte-Lehadus Mirela*, Mosnegutu Emilian, Nedeff Florin, Nedeff Valentin, Tomozei Claudia*, Petrescu Tudor-Cristian and Agop Maricel, Theoretical and Experimental Designs on Several Mechanical Properties of Cu–Al–Zn Shape Memory Alloys Used in the Processing Industry, *Materials*, vol. 16, no. 4, 1441. <https://doi.org/10.3390/ma16041441>
208. Yizhe Huang, Jiangbo Hu, Jun Wang, Jinfeng Sun, Ying You, Qibai Huang and Enyong Xu, Sound Quality Performance of Orthogonal Antisymmetric Composite Laminates Embedded with SMA Wires, *Materials* 2023, 16(9), 3570; <https://doi.org/10.3390/ma16093570>
209. Irina Nica, Florin Nedeff, Valentin Nedeff, Cristina Popa, Stefan Lucian Toma, Maricel Agop and Decebal Vasincu, The Cracking Behavior of Two Dental Composite Materials Validated through Multifractal Analyses, *Int. J. Mol. Sci.* 2023, 24(7), 6493; <https://doi.org/10.3390/ijms24076493>
- [57] Moşneguţu, E.; Tomozei, C.; Panainte-Lehăduş, M.; Chiţimuş, D.; Irimia, O. Geometric calculation of the influence of an oscillating sieve's actuation mechanism position on its motion. *Processes* 2022, 10, 1760
210. Tobi Fadiji, Pankaj B. Pathare, Technological Advancements in Food Processing and Packaging, *Processes* 2023, 11(9), 2571; <https://doi.org/10.3390/pr11092571>

[58] Przydatek, G., Ryniewicz, A., Irimia, O., Tomozei, C., Mosnegutu, E., Bodziony, M., Analysis of Noise Levels in Typical Passenger Cars, Sustainability, vol. 15, no. 10, 2023, 7910, 10.3390/su15107910, WOS:000996837100001.

211. Gábor Horváth, Attila Bai, Sándor Szegedi, István Lázár, Csongor Máthé, László Huzsvai, Máté Zakar, Zoltán Gabnai and Tamás Tóth, A Comprehensive Review of the Distinctive Tendencies of the Diffusion of E-Mobility in Central Europe, Energies 2023, 16(14), 5421; <https://doi.org/10.3390/en16145421>

[59] Elena Goldan, Valentin Nedeff, Narcis Barsan, Mihaela Culea, Mirela Panainte-Lehadus, Emilian Mosnegutu, Claudia Tomozei, Dana Chitimus and Oana Irimia, Assessment of Manure Compost Used as Soil Amendment—A Review, Processes 2023, vol. 11, nr. 4, 1167; <https://doi.org/10.3390/pr11041167>, WOS:000977626500001

212. Garcia-Perez, JA, Alarcon-Gutierrez, E, Does Soil Liming Compensate for Low Organic Matter Content: a Comparison Between Substrate Prepared by Farmers and Limed Soil for Growth of Coffee Seedlings (Coffea arabica), JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, sep. 2023, DOI10.1007/s42729-023-01446-6

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