

LISTA DE LUCRĂRI

Şef lucrări dr.ing. Narcis BÂRSAN

I. LISTA CELOR 10 LUCRĂRI CONSIDERATE RELEVANTE

1. Laureniu Tataru, Valentin Nedeff, **Narcis Barsan**, Emilian Mosnegutu, Mirela Panainte Lehadus, Ion Sandu, Dana Chitimus, Studies of humic acid removal from aqueous systems by using polymeric membrane ultrafiltration process, *Materiale Plastice*, vol. 55, no. 4, 2018, p. 660-685. Autor corespondent.
2. Emilian Moşneguţu, Valentin Nedeff, **Narcis Bârsan**, Dragoş Rusu, The influence of air velocity on the behavior of a solid particle displacement in a vertical path, *Chemistry & Chemical Engineering, Biotechnology, Food Industry*, 2018, vol. 19 no. 4, pp. 431 - 441. Autor corespondent.
3. Alina Cochiorca, Valentin Nedeff, **Narcis Bârsan**, Emilian Florin, Moşneguţu, Mirela Panainte-Lehăduş, Claudia Tomozei, Analysis of water quality for two rivers located near a mining area, *Chemistry & Chemical Engineering, Biotechnology, Food Industry*, 2018, vol. 19, no. 4, pp. 455 – 463. Autor corespondent.
4. Mahamadi Nikiema, **Narcis Barsan**, Marius K. Somda, Desiré Traore, Dayéri Dianou, Valentin Nedeff, Alfred S. Traore, Optimization of biogas production from organic fraction of municipal solid waste: experimental test using liquid from waste fermentation, *Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry*, vol. 18 no. 2, 2017pp. 213 - 224. Autor corespondent.
5. **Barsan Narcis**, Nedeff Valentin, Temea Antonina, Mosnegutu Emilian, Chitimus Alexandra Dana, Tomozei Claudia, A perspective for poor wastewater infrastructure regions: a small-scale sequencing batch reactor treatment system, *Chemistry Journal of Moldova*, vol. 12, no. 1, 2017, pp. 61-66.
6. Mariana Turcu, **Narcis Bârsan**, Emilian Moşneguţu, Mihaela Dascălu, Dana Chiţimuş, Cristian Radu, Application of the flocculation process in the industrial wastewater treatment, *Environmental Engineering & Management Journal*, vol. 15, no. 3, 2016, pp. 521-526. Autor corespondent.
7. Doina Capşa, **Narcis Barsan**, Daniel Felegeanu, Marius Stanila, Ioan Joiţa, Madalin Rotaru, Camelia Ureche, Influence of climatic factors on the pollution with nitrogen oxides (NOX) in Bacau City, Romania, *Environmental Engineering and Management Journal*, vol. 15, no. 3, 2016, pp. 655-663. Autor corespondent.
8. **Narcis Barsan**, Ion Joiţa, Marius Stanila, Cristian Radu, Mihaela Dascalu Modelling wastewater treatment process in a small plant using a sequencing batch reactor (SBR), *Environmental Engineering and Management Journal*, 2014, Vol.13, No. 7, pp. 1561-1566.
9. **Narcis Bârsan**, Valentin Nedeff, Emilian Florin Moşneguţu, Mirela Panainte, Heat balance components of a small sequencing batch reactor applied for municipal wastewater treatment, *Environmental Engineering and Management Journal*, Vol.13, nr. 7, 2012, pp. 1561-1566.
10. Mariana Turcu, **Narcis Bârsan**, Oana Irimia, Ion Joiţa, Mihai Belciu, Application of synthetic chemical compounds in petroleum sludge treatment, *Environmental Engineering and Management Journal*, 2014, Vol.13, No. 7, pp. 1751-1756.

II. TEZA DE DOCTORAT

DOMENIUL INGINERIE MECANICĂ

Studii și cercetări privind creșterea gradului de epurare a apelor uzate menajere în stații de epurare de capacitate mică

Susținută la data de 19.10.2011

Confirmată în baza ordinului 6697 din 21.12.2011

III. CĂRTI ȘI CAPITOLE DIN CĂRTI

1. **Bârsan Narcis**, Nedeff Valentin (coord.), Irimia Oana, Mirela Panainte-Lehadus, Emilian Mosnegutu, Dana Chitimus, Tomoze Claudia, Nedeff Florin, Proceduri de lucru pentru analiza calității apelor și a altor compuși lichizi, Alma Mater, 2018, ISBN 978-606-527-589-8, 147 pag.

2. Proceduri de lucru pentru analiza calității aerului și a altor compuși gazoși, Nedeff Valentin (coord.), Tomoze Claudia, Irimia Oana, Mirela Panainte-Lehadus, Emilian Mosnegutu, Dana Chitimus, **Bârsan Narcis**, Nedeff Florin, Alma Mater, 2018, ISBN 978-606-527-593-5, 142 pag.

3. Aparare pentru industrii de proces: suport teoretic pentru orele de curs și aplicații pentru uzul studenților, Bibire Luminița (coord.), **Bârsan Narcis**, Alma Mater, 2018, ISBN 978-606-527-608-6, 410 pag.

4. Nedeff Valentin, Chițimuş Alexandra-Dana, Moșneguțu Emilian, Panainte Lehaduș Mirela, Tomozei Claudia, Irimia Oana, **Bârsan Narcis**, Nedeff Florin Marian Proceduri de lucru pentru analiza solului și a altor materiale, Volumul 2, Editura Alma Mater Bacău 2018, ISBN 978-606-527-581-2, 978-606-527-583-6, 131 pag.

5. Nedeff Valentin (coord.), Chițimuş Dana, Mirela Panainte-Lehadus, Emilian Mosnegutu, **Bârsan Narcis**, Irimia Oana, Tomoze Claudia, Nedeff Florin, Proceduri de lucru pentru analiza solului și a altor materiale, Volumul 1, Alma Mater, 2017, ISBN 978-606-527-582-9, 125 pag.

6. **Bârsan Narcis**, Nedeff Valentin (coord.), Moșneguțu Emilian, Lazăr Gabriel, Epurarea apelor uzate menajere în stații de epurare de capacitate mică, Editura Alma Mater Bacău, 2012, ISBN 978-606-527-213-2, 222 pag.

IV. ARTICOLE PUBLICATE ÎN REVISTE INDEXATE ISI

1. Sifolo S. Coulibaly, Flavien Ettien Edoukou, Kouadio I. Kouassi, **N. Barsan**, V. Nedeff, I. A. Bi Zoro, Vermicompost utilization: A way to food security in rural area, Helyon, 2018, vol. 4, no. 12, pp. e01104.

2. Florin Marian Nedeff, **Narcis Bârsan**, Adriana Luminița Fînaru, Studies and research concerning the use of some recyclable absorbent materials for increasing acoustic comfort into a room designed for speaking, Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 18 no. 3, 2017, pp. 329-338.

3. Alexandra-Dana Chitimus, 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 & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 17, no. 4, 2016, pp. 381-393.

4. Mihai-Cosmin Belciu, Emilian Florin Moșneguțu, Valentin Nedeff, Alexandra-Dana Chițimuş, **Narcis Barsan**, Silvia Fiore, Production capacity of leachate from Bihor

landfill, *Environmental Engineering and Management Journal*, vol. 15, no. 3 2016, pp. 2057-2062.

5. Antonina Temea, Claudio Comoglio, Serena Botta, Valentin Nedeff, Mirela Panainte-Lehăduș, Marcela Danu, **Narcis Barsan**, Developing a green register of eco-labeled products in Romania, *Environmental Engineering and Management Journal*, vol. 15, no. 8 2016, pp. 1873-1878.

6. Florin Marian Nedeff, **Narcis Bârsan**, Adriana Luminița Fînaru, Studies and research concerning the use of some recyclable absorbent materials for increasing acoustic comfort into a room designed for speaking, *Scientific Study & Research, Chemistry & Chemical Engineering, Biotechnology, Food Industry*, vol. 18 no. 3, 2017, pp. 329-338.

7. Dumitru-Cristinel Nadabaica, Stanisław Radkowski, Valentin Nedeff, Gigel Paraschiv, **Narcis Barsan**, Mihai C Nicolescu, Experimental study of noise levels generated by rolling bearings in different stages of deterioration, *Environmental Engineering and Management Journal*, 1582-9596, 2014, Vol.13, No. 7, 1631-1639, FI 1,334. Punctaj 0,767.

8. Mirela Panainte, Iuliana Caraman, Valentin Nedeff, Vassilis Inglezakis, Christos Venetis, Philipos Coutikos, Gabriel Lazar, **Narcis Barsan**, Green market: a comparative study in Romania, , *Fresenius Environmental Bulletin*, vol. 23, no. 11, 2014pp. pp. 2870-2875.

9. Dumitru-Cristinel Nadabaica, Stanisław Radkowski, Valentin Nedeff, Gigel Paraschiv, **Narcis Barsan**, Mihai C Nicolescu, Experimental study of noise levels generated by rolling bearings in different stages of deterioration, *Environmental Engineering and Management Journal*, Vol.13, No. 7, 2014, pp. 1631-1639.

10. Oana Tirtoaca Irimia, Claudia Tomozei, Mirela Panainte, Emilian Florin Mosnegutu, **Narcis Barsan**, Efficiency of filters with different filtering materials: comparative study in water treatment, *Environmental Engineering and Management Journal*, January 2013, Vol.12, No. 1, 35-39.

11. Mariana Turcu, Valentin Nedeff, **Narcis Barsan**, Emilian Florin Mosnegutu, Mirela Panainte, Application of organic flocculants for the treatment of sludge from municipal wastewater treatment plants, *Environmental Engineering and Management Journal*, January 2013, Vol.12, No. 1, 163-166.

12. Maria Vasilica, Doina Capsa, Irina Covaci, Valentin Nedeff, **Narcis Bârsan**, Mirela Panainte, A case study of heavy rainfall in the central-southern Moldavia region, Romania, *Environmental Engineering and Management Journal*, Vol.11, No.12, 2012, pp. 2149-2156.

V. Articole publicate în proceedings indexate ISI

1. A Dermouchi, M Bencheikh-Lehocine, S Arris, AH Meniai, **N Barsan**, N Valentin, Cutting oil emulsion treatment by electrocoagulation using aluminum and iron electrodes, 9th International Renewable Energy Congress (IREC), 2018, pp. 1-6.

2. L. Tataru, V. Nedeff, **N. Barsan**, M. Panainte-Lehadus, E. F. Mosnegutu, Efficiency studies of hollow fiber organic membranes in restraining yeast from wastewater subjected to ultrafiltration, *Proceeding of the International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM*, 2018, vol. 18, (3.1), pp. 235-242.

3. A. D. Chitimus, A. Cochiorca, V. Nedeff, **N. Barsan**, O. Muscalu-Plescan, studies and research on phragmites australis' (common reed) absorption capacity of heavy metals from the soil in Roman City, Romania, *Proceeding of the International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM*, 2018, vol. 18, (3.1), pp. 671-678.

4. A. Cochiorca, V. Nedeff, **N. Barsan**, M. Panainte-Lehadus, E. F. Mosnegutu, Aspects related to water quality assessment in a mining activity area. Case study, mining area Tg. Oghina, Romania, Proceeding of the International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2018, vol. 18, (3.1), pp. 87-94.

5. **Narcis Barsan**, Valentin Nedeff, Dana Chitimus, Emilian Mosnegutu, Florina Fabian Increasing the wastewater treatment capacity of small Sequencing Batch Reactor treatment plants using sequential operation, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, 2017, No. 17, pp. 523-530.

6. Chitimus Alexandra Dana, **Barsan Narcis**, Nedeff Valentin, Mosnegutu Emilian, Muscalu Plescan Oana Studies and research concerning the influence of liquid pollutants' leaching speed in the soil on the process of cleaning and self-cleaning, 17th International Multidisciplinary Scientific GeoConference SGEM, 2017, vol. No. 17, pp. 859-866

7. Emilian Mosnegutu, Valentin Nedeff, Ovidiu Bontas, **Narcis Barsan**, Dana Chitimus, Dragoş Rusu Determination of kinematic indices corresponding to a solid particle on a flat oscillating surface, IOP Conference Series: Materials Science and Engineering, 2016, 147.

8. Panainte-Lehăduş, M., Nedeff, V., Moşneguţu, E., Caraman, I., **Bârsan N.**, Production and distribution of green products in Romania, vol. 2, no. 5 pp. 397-404, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, ISSN 1314-2704, 2015, vol. 2, nr. 5, pp. 397-404.

9. 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, 2014, pp. 393-396.

10. Moşnegutu Emilian, Nedeff Valentin, Panainte- Lehăduş Mirela, Bontas Ovidiu, **Barsan Narcis**, Tomozei Claudia, Chiţimus Dana, Studies and research concerning the displacement of solid particle on an oscillatory flat surface, Applied Mechanics and Materials, vol. 659, 2014, pp. 521-526.

VI. Articole publicate în reviste indexate BDI:

1. Tataru Laurentiu, Nedeff Valentin, **Barsan Narcis**, Panainte-Lehadus Mirela, Mosnegutu Emilian, Chitimus Dana Fabian Florina, A comparative study between water-gap and air-gap distillation membranes for removal of salts from saline water by desalination method, Journal of Engineering Studies and Research, vol. 24 No. 2, 2018, pp. 46-57.

2. Luminita Bibire, **Narcis Barsan**, Evaluation of the heating system from an injection molding machine, Journal of Engineering Studies and Research, vol. 24 No. 2, 2018, pp. 15-24.

3. Doina Capsa, Valentin Nedeff, **Narcis Barsan**, Emilian Mosnegutu, Dana Chitimus, Evaluation of meteorological factors influence on benzene accidental pollution. Case study: bacau city 2008, Journal of Engineering Studies and Research, vol. 23 nr. 1, 2017, pp. 12-19.

4. Mirela Panainte-Lehadus, **Narcis Barsan**, Oana Irimia, Claudia Tomozei, Emilian Mosnegutu, Florin Nedeff, Application on the workplaces hazards measurement in a bakery unit, Journal of Engineering Studies and Research, 2017, vol. 23 nr. 4, pp. 14-18.

5. **Narcis Barsan**, Mariana Turcu, Valentin Nedeff, Emilian, Mosnegutu, Dana Chitimus, Laboratory applications in wastewater treatment by using flocculation process, *Journal of Engineering Studies and Research*, 2017, vol. 23 nr. 3, pp. 1-11.
6. Laurențiu Tătaru, Valentin Nedeff, **Narcis Bârsan**, Mirela-Panainte Lehăduș, Dana-Alexandra Chițimuş, The importance of using membranes in seawater, desalination as a result of excessive exploitation of, water sources The Annals of “Dunarea De Jos” University of Galati, Fascicle ix. Metallurgy and Materials Science, 2017, no. 3.
7. Antonina Temea, Mirela Panaite-Lehăduș, **Narcis Bârsan**, Claudia Tomozei, Valentin Nedeff, Study about the Perception of Producers from Romania Regarding the Ecolabel, The Annals of “Dunarea De Jos” University of Galati, Fascicle ix. Metallurgy and Materials Science, 2017, no. 3.
8. Florina Fabian, Valentin Nedeff, **Narcis Bârsan**, Emilian Moşneguțu, Energy Consumption Assessment in the Water Treatment Process, Bacau City Case Study The Annals of “Dunarea De Jos” University of Galati, Fascicle ix. Metallurgy and Materials Science, 2017, no. 3.
9. Senou Issaka, **Narcis Bârsan**, Valentin Nedeff, Some N Antoine, Nacro H Bismarck Evaluation of the groundwater quality in a closed industrial landfill, *Jurnal Journal of Engineering Studies and Research*, 2016, vol. 22 nr. 1, pp. 72-80.
10. Emilian Mosnegutu, Valentin Nedeff, Mirela Panainte-Lehadus, **Narcis Bârsan**, Dana Chitimus, Dragos Rusu, Determination of the real values of kinematic index corresponding to the mechanical separation process, *Journal of Engineering Studies and Research*, vol. 22 nr. 2, 2016, pp. 39-48.
11. Luminita Bibire, Mihaela-Beatrice Barbieru, **Narcis Barsan**, Adrian Stelian Ghenadi, Teoretical evaluation of anthropogenic risks in Tazlau river basin, *Jurnal Journal of Engineering Studies and Research*, 2016, vol. 22 nr. 2, pp. 15-25
12. Mihai-Cosmin Belciu, Alexandra-Dana Chitimus, Valentin Nedeff, **Narcis Bârsan**, Rusu Dragos The production capacity of leachate collected from Piatra Neamt landfill, *Journal of Engineering Studies and Research*, 2016, vol. 22 nr. 1, pp. 15-23.
13. Sifolo S. Coulibaly, Jérôme E. Tondoh, Kouadio I. Kouassi, **N. Barsan**, V. Nedeff, Bi I.A. Zoro Vermicomposts improve yields and seeds quality of *Lagenaria siceraria* in Côte d’Ivoire, *International Journal of Agronomy and Agricultural Research*, 2016, vol. 8, nr. 3, pp. 26-37.
14. Doina Capșa, **Narcis Bârsan**, Valentin Nedeff, Emilian Moşneguțu, Dana Chițimuş, Evaluation of the ammonia air pollution and climatic factors interactions, case study 2008 Bacau City Romania, *Journal of Engineering Studies and Research*, 2016, vol. 22 nr. 1, pp. 15-23.
15. Senou Issaka, **Narcis Bârsan**, Valentin Nedeff, Some N Antoine, Nacro H Bismarck, Evaluation of the groundwater quality in a closed industrial landfill, *Journal of Engineering Studies and Research*, 2016, vol. 22 nr. 1, pp. 72-80.
16. Laurențiu Tataru, Valentin Nedeff, **Narcis Barsan**, Mirela Panainte-Lehadus, Emilian Mosnegutu, Dana-Alexandra Chitimus, Studies on the application of hollow fiber membranes in the field of ultrafiltration, *Journal of Engineering Studies and Research*, 2016, vol. 22 nr. 4, pp. 42-53.
17. Florin Marian Nedeff, Marcel Agop, Emilian Florin Mosnegutu, **Narcis Barsan**, Evaluation of the reverberation time improvement in a speaking hall, *Jurnal Journal of Engineering Studies and Research*, 2016, vol. 22 nr. 2, pp. 49-54.
18. Florina Fabian, Valentin Nedeff, Mirela Panainte-Lehadus, **Narcis Bârsan**, Oana Irimia, Silvia Racovita Environmental impact of water treatment process. A systematic review of evaluation method, *Jurnal Journal of Engineering Studies and Research*, 2016, vol. 22 nr. 2, pp. 34-39.

19. Holy Holenu Mangenda, Valentin Nedeff, **Narcis Barsan**, Emilian Florin Moşneguţu, Dana Chitimus, Dragos Rusu, Aspects regarding the Kinshasa urban landfills assessment and proposals for sustainable development, Journal of Engineering Studies and Research, 2015, vol. 2, nr. 1, pp. 46-54

20. Mădălin-Ionuţ Rotaru, Valentin Nedeff, Alexandra-Dana Chiţimuş, Emilian Florin Moşneguţu, **Narcis Bârsan**, Study regarding the identification of the water pollution sources and factors on the Siret river in the Bacau-Marasesti span, Journal of Engineering Studies and Research, 2015, vol. 2, nr. 1, pp. 46-54

21. Mihaela-Elena Dascalu, Emilian Mosnegutu, Valentin Nedeff, Alexandra-Dana Chitimus, **Narcis Bârsan**, Studies concerning the behavior of the suspended solids in the mixing process, Journal of Engineering Studies and Research, 2015, vol. 21 nr. 4, pp. 21-27.

22. Emilian Mosnegutu, Valentin Nedeff, **Narcis Bârsan**, Alexandra-Dana Chitimus, Dragos Rusu, Influence of screening block supporting way on the behaviour of a solid particle on an oscillating surface, Journal of Engineering Studies and Research, 2015, vol. 21 nr. 3, pp. 51-58.

23. Aida Dermouchi, Mossaab Bencheikh-Lehocine, Sihem Arris, Valentin Nedeff, **Narcis Barsan**, Aspects regarding the electrocoagulation applications in the water and wastewater treatment, Journal of Engineering Studies and Research, 2015, vol. 21 nr. 2, pp. 26-33

24. Jessica Alcaraz, Marine Ridoire, Mirela Panainte-Lehăduş, Mariana Turcu, **Narcis Bârsan**, Dana Chiţimuş, Oana Irimia, Application of the flocculation process for the municipal sewage sludge treatment, Journal of Engineering Studies and Research, vol. 20, no. 2, 2014, pp. 7-13.

25. Dumitru-Cristinel Nadabaica, Valentin Nedeff, Luminita Bibire, **Narcis Bârsan**, Experimental applications on the influence of internal operation clearance of the faulty rolling bearings upon their remaining lifetime, 2014, Journal of Engineering Studies and Research, vol. 20, no. 1, p. 60-70.

26. Municipal waste management in Limete, Mont Amba District of Kinshasa, Democratic Republic of the Congo, Holy Holenu Mangenda, Valentin Nedeff, Kakese Kunyima, **Narcis Barsan**, Emilian Mosnegutu, Claudia Tomozei, Journal of Engineering Studies and Research, vol. 20, no. 2, 2014, p. 39-45,.

27. Capşa Doina, Nedeff Valentin, Faciu Ema, Lazăr Gabriel, Lazăr Iulia, **Bârsan Narcis**, Aspects of the fog phenomenon in Bacau City, Journal Present Environment and Sustainable Development, vol. 6, no.1, 2012.

28. Doina Capşa, Valentin Nedeff, Maria Vasilică, Lazăr Gabriel, Panainte Mirela, **Bârsan Narcis**, Extreme temperatures and their effects on the human body, Present Environment and Sustainable Development, vol. 6, no. 2, 2012, pp. 387-403.

29. **Bârsan Narcis**, Nedeff Valentin, Lazăr Gabriel, 2011, Current stage of domestic wastewater treatment in small plants, Journal of Engineering Studies and Research, vol. 17, no. 4, 2011, pp. 13-23.

VII. Articole publicate în volumele unor conferinţe internaţionale:

1. Emilian Florin Moşneguţu, Mihai-Cosmin Belciu, Valentin Nedeff, Alexandra-Dana Chiţimuş, **Narcis Bârsan**, Analyse of waste management aspects from Romanian landfills, Sixth International Conference On Energy Efficiency and Agricultural Engineering November 11-12, 2015 Ruse, Bulgaria ISSN 1311-9974, 2015, vol. 6, pp. 693-700.

2. Mădălin Rotaru, Alexandra-Dana Chiţimuş, Valentin Nedeff, Emilian Moşneguţu, **Narcis Bârsan**, Mathematical modelling of the leaching speed of pollutants in the

soil Sixth International Conference On Energy Efficiency and Agricultural Engineering November 11-12, 2015 Ruse, Bulgaria ISSN 1311-9974, 2015, vol. 6, pp. 669-678.

3. Valentin Nedeff, Cristian Radu, Emilian Chițimuș, Alexandra-Dana, Moșneguțu, **Narcis Bârsan**, Studies and research on phragmites australis' (common reed) absorption capacity of heavy metals, Sixth International Conference On Energy Efficiency and Agricultural Engineering November 11-12, 2015 Ruse, Bulgaria ISSN 1311-9974, 2015, vol. 6, pp. 18-28.

4. Emilian Mosnegutu, Valentin Nedeff, Mirela Panainte, **Narcis Barsan**, Dana Chitimus, Dragos Rusu, Ovidiu Bontas, The influence of the inclination angle of working surface over behavior of a solid particles on a fla surace oscillang, Sixth International Conference On Energy Efficiency and Agricultural Engineering November 11-12, 2015 Ruse, Bulgaria ISSN 1311-9974, 2015, vol. 6, pp. 609-619.

5. Doina Capsa, Valentin Nedeff, **Narcis Barsan**, Emilian Mosnegutu, Dana Chitimus, Mihai Vulpe, Theoretical correlations between air quality and climatic factors Sixth International Conference On Energy Efficiency and Agricultural Engineering November 11-12, 2015 Ruse, Bulgaria ISSN 1311-9974, 2015, vol. 6, pp. 684-692.

6. **Narcis Barsan**, Valentin Nedeff, Emilian Moșneguțu, Dana Chitimus, Mariana Turcu, Aspects regarding to the municipal wastewater treatment in small plant during cold period, Sixth International Conference On Energy Efficiency and Agricultural Engineering November 11-12, 2015 Ruse, Bulgaria ISSN 1311-9974, 2015, vol. 6, pp. 709-718.

7. **Bârsan, N.**, Nedeff, V. and Lazăr, G., Studies and research on the domestic wastewater treatment in small plants with sequential operation, Proceedings of the Scientific Student Session – SSS'11, 2011, pag. 20 - 29, ISSN 1311-3321, University Angel Kanchev", Ruse, Bulgaria;

8. **Bârsan, N.**, Nedeff, V. and Lazăr, G., Possibilities of mathematical modeling of heat balance in a Sequencing Batch Reactors basin used for domestic wastewater treatment with low flow, Proceedings of the International Conference „Mechanical Engineering in XXI Century”, 2010, pag. 43 - 46, ISBN 978-86-6055-008-0, Nis, Serbia.

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Șef lucrări dr. ing. BÂRSAN NARCIS