

## LISTA LUCRĂRILOR PUBLICATE

### Lista celor 10 lucrări relevante

1. Chițimuş Alexandra-Dana, Nedeff Valentin, Lazăr Gabriel, 2011, Studies and researches on the influence of soil apparent density in the process of cleaning and auto-cleaning, Proceedings on the 12th International Conference ISI on the Environmental Science and Technology, ISBN 978-960-7475-49-7, Rhodes Island, Dodecanese Greece, pg. 42, 8-10 September.
2. Alexandra-Dana Chițimuş, Emilian Florin Mosnegutu, Mihai C. Nicolescu, Mariana Turcu, Mihai Belciu, Greta Ardeleanu, Mathematical modelling of water migration time in soil Environmental Engineering and Management Journal, vol. 13, nr. 7, pg. 1581-1586.
3. Alexandra-Dana Chitimus, Valentin Nedeff, Emilian Florin Mosnegutu, Mirela Panainte, 2012, In situ soil flushing-Studies on remediation efficiency of polluted sandy soils with organic acids, Environmental Engineering and Management Journal, December 2012, Vol.11, No.12, 2161-2166, ISSN:1582-9596.
4. Cristian Radu, Alexandra-Dana Chitimus, Mariana Turcu, Greta Ardeleanu, Mihai Belciu, 2014, Impacts of anthropogenic activities in Bacau area upon heavy metals concentration on Bistrita river sides, Environmental Engineering and Management Journal, vol. 13, nr. 7, pg. 1687-1691.
5. Stanila Marius, Valentin Nedeff, Emilian Florin Mosnegutu, Mirela Panainte, Alexandra-Dana Chitimus, Optimization of a mixed cycle gas turbine Titan 130S type operating under partial loads, Environmental Engineering and Management Journal, vol.12, no.1, January 2013, ISSN:1582-9596.
6. Doina Capsa, Mirela Panainte, Dana Chitimus, Marius Stanila, Daniel-Catalin Felegeanu Accidental pollution with ammonia. Influence of meteorological factors, Environmental Engineering and Management Journal, vol. 13, nr. 7, pg. 1573-1580.
7. Chițimuş Alexandra-Dana, Nedeff Valentin, Lazăr Gabriel, 2011, Actual stage in the soil remediation, Journal of Engineering Studies and Research, vol. 17, no. 4, ISSN 2068-7559.
8. Radu Cristian, Nedeff Valentin, Chițimuş Alexandra-Dana, Theoretical studies concerning residual soil pollution by heavy metals, Journal of Engineering Studies and Research, vol. 19, no. 2, ISSN 2068-7559, pg. 89 ÷ 96.
9. Belciu Mihai, Nedeff Valentin, Chitimus Alexandra Dana, Radu Cristian, Theoretical studies on liquid pollutants' transport in the soil and in the aquifer, Journal of Engineering Studies and Research, Vol. 20, nr. 1, 2014, p. 23-32, ISSN 2068-7559.
10. Chițimuş Alexandra-Dana, Nedeff Valentin, Moşneguţu Emilian, Lazăr Gabriel, Tehnologii pentru depoluarea solului, Carte Ştiinţifică, Editura ALMA MATER BACĂU, ISBN 978-606-527-218-7, 2012.

**Teza de doctorat:** Studii şi cercetări privind posibilităţile de influenţa proprietăţilor fizice şi mecanice ale solului în procesul de epurare şi autoepurare, Universitatea „Vasile Alecsandri” din Bacău, Facultatea de Inginerie, 18 octombrie 2011.

### Cărţi publicate

Chițimuş Alexandra-Dana, Nedeff Valentin, Moşneguţu Emilian, Lazăr Gabriel, Tehnologii pentru depoluarea solului, Carte Ştiinţifică, Editura ALMA MATER BACĂU, ISBN 978-606-527-218-7, 2012.

### Articole publicate în reviste indexate BDI

1. Chițimuş Alexandra-Dana, Nedeff Valentin, Lazăr Gabriel, Măcărescu Bogdan, Moşneguţu Emilian, 2011, Theoretical studies concerning the influence of physical and mechanical properties of the soil in the process of epuration and auto-epuration, Journal of Engineering Studies and Research, vol. 17, no. 1, ISSN 2068-7559, pg. 13 ÷ 20.
2. Mosnegutu Emilian, Nedeff Valentin, Bontas, Ovidiu, Bârsan Narcis, Chitimus Dana, The study to obtaining the trajectories of solid particles on an oscillatory flat surface, Proceedings of the 5th International Conference on Advanced Concepts in Mechanical Engineering ACME 2012, ISBN 2285-2301, June 2012, 14 -15, pg. 1-8.
3. Jessica Alcaraz, Marine Ridoire, Mirela Panainte-Lehăduş, Mariana Turcu, Narcis Bârsan, Dana Chițimuş, Oana Irimia, Application of the flocculation process for the municipal sewage sludge treatment, 2014, Journal of Engineering Studies and Research, vol. 20, no. 2, pg. 7-13, ISSN 2068-7559.

### Articole publicate în volumele unor conferinţe internaţionale

1. Chițimuş Alexandra-Dana, Nedeff Valentin, Lazăr Gabriel, 2011, Studies and researches on the influence of soil penetration resistance concerning forced circulation of air in soil, Proceedings on the Scientific Student Session – SSS'11, Universitatea „Angel Kanchev”, Ruse, Bulgaria, pg. 36-42, ISSN1311-3321.
2. Chițimuş Alexandra-Dana, Nedeff Valentin, Lazăr Gabriel, 2011, Actual stage in the soil remediation, “The 9th International Conference OPROTEH 2011”, Universitatea „Vasile Alecsandri”, din Bacău, România, Section E “Optimization in environmental engineering and environmental protection” poziția 19, ISBN 978-606-527-131-9, Bacău.

### Articole publicate în volumul ”Proiectul BRAIN - rezultate obținute la Universitatea ”Vasile Alecsandri” din Bacău”, februarie 2011, ISBN 978-606-527-111-1

1. Chițimuş Alexandra-Dana, Studii şi cercetări privind proprietăţile solului care influenţează deplasarea poluanţilor în sol, pg. 53-67.

## Lucrări prezentate la conferințe

1. Chițimuş Alexandra-Dana, Nedeff Valentin, Moşneguțu Emilian - In situ soil flushing – Studies on yield of polluted remediation sandy soils with organic compounds acids, Conference on Moldavian Risks from Global to Local Scale, 16-19 mai, Bacău, 2012.
2. Radu Cristian, Valentin Nedeff, Chițimuş Alexandra Dana, Studies and researches on the determination of heavy metals from the banks of the Siret river basin, Proceedings of the X the International Conference Constructive and Tehnological Design Optimization in the Machines Building Field, 23-25 Mai 2013, Universitatea „Vasile Alecsandri” din Bacău, Conferinces Proceedings abstracts.
3. Cristian Radu, Valentin Nedeff, Alexandra-Dana Chitimus, Studies and research on Typha Latifolia's (bulrush) absorption capacity of heavy metals from the soil, Second International Conference on Natural and anthropic risks ICNAR 2014, Universitatea “Vasile Alecsandri” din Bacău, 4-7 iunie 2014, Volum de rezumate BOOK OF ABSTRACTS, ISSN: 2360 – 4018.
4. Cristian Radu, Valentin Nedeff, Alexandra-Dana Chitimus, Studies and research on Phragmites Australis' (common reed) absorption capacity of heavy metals from the soil, International Journal of Arts & Sciences, 2-6 March, 2014, University of Malta.
5. Chițimuş Alexandra-Dana, Nedeff Valentin, Lazăr Gabriel, 2011, Studies and researches on the influence of soil penetration resistance concerning forced circulation of air in soil, Proceedings on the Scientific Student Session – SSS'11, Universitatea „Angel Kanchev”, Ruse, Bulgaria, pg. 36-42, ISSN1311-3321.
6. Chițimuş Alexandra-Dana, Actual Stage in the Soil Remediation, “The 9th International Conference OPROTEH 2011”, Universitatea „Vasile Alecsandri”, din Bacău, Section E19, 2011, ISBN 978-606-527-131-9.
7. Chițimuş Alexandra-Dana, Studies and researches on the influence of soil apparent density in the process of cleaning and auto-cleaning, Proceedings on the 12th International Conference ISI on the Environmental Science and Technology, Session 18, Solid Waste Management (2) & Soil, Rhodes Island, Dodecanese Greece, 8-10 September, 2011.
8. Stănilă Marius, Nedeff Valentin, Panainte Mirela, Chițimuş Alexandra-Dana, Several aspects regarding the operation optimization at partial loads for a mixed cycle gas turbine, type titan 130 S, , First International Conference on Moldavian Risks from Global to Local Scale, 16-19 mai, Bacău, poster, 2012.
9. Chițimuş Alexandra-Dana, Nedeff Valentin, Moşneguțu Emilian, In situ soil flushing – Studies on yield of polluted remediation sandy soils with organic compounds acids, First International Conference on Moldavian Risks from Global to Local Scale, 16-19 mai, Bacău, 2012.
10. Belciu Mihai, Valentin Nedeff, Chițimuş Alexandra Dana, Emilian Moşneguțu, Bârsan Narcis, The current stage of ex situ technologies for soil depollution by means of physical and thermal procedures, Proceedings of the Union of Scientist, Fifth Conferinca, Energy efficiency and agricultural engineering, 17-18 May 2013, Ruse Bulgaria ISSN 1311-9974.
11. Raducanu (Manea) Dumitra, Nedeff Valentin, Barsan Narcis, Chitimus Alexandra Dana, Mosnegutu Emilian Florin, Theoretical studies regarding to disposal and utilization of the sewage sludge from municipal wastewater treatment plants, Proceedings of the Union of Scientist, Fifth Conferinca, Energy efficiency and agricultural engineering, 17-18 May 2013, Ruse Bulgaria ISSN 1311-9974.
12. Belciu Mihai, Valentin Nedeff, Chițimuş Alexandra Dana, Theoretical studies on liquid pollutants' transport in the soil and in the aquifer, Proceedings of the X the International Conference Constructive and Tehnological Design Optimization in the Machines Building Field, 23-25 mai 2013, Conferinces Proceedings abstracts.
13. Chițimuş Alexandra Dana, Valentin Nedeff, Moşneguțu Emilian Florin, Bârsan Narcis, Mathematical modelling for liquid pollutants' crossing time in a soil sample, Proceedings of the X the International Conference Constructive and Tehnological Design Optimization in the Machines Building Field, 23-25 mai 2013, Conferinces Proceedings abstracts.
14. Moşneguțu Emilian, Valentin Nedeff, Ovidiu Bontaș, Narcis Bârsan, Dana Chițimuş, Panainte Mirela, Tomozei Claudia - Studies and research concerning the displacement of solid particle on an oscillatory flat surface, Abstract publicat al lucrării prezentate în cadrul Conferinței Internaționale OPROTEH 2013, Universitatea „Vasile Alecsandri” din Bacău, Facultatea de Inginerie, modul C14, ISBN 978-606-527-293-4, 23-25 mai 2013.

## Contracte de cercetare științifică:

1. Contract de cercetare industrială, nr. 313/01.10.2012, Moşneguțu Emilian, Nedeff Valentin, Panainte Mirela, Bârsan Narcis, Chițimuş Dana, Tomozei Claudia, S.C. ROMCHIM.
2. Contract nr. 2/2009 - Cercetări privind modul de încadrare a imisiilor de noxe și zgomot provenite de la Stația de betoane ERUMECAR, model EMA – 12042 în perioada probelor de punere în funcțiune și stabilirea eventualelor măsuri necesare, efectuarea măsurătorilor de zgomot și noxe la limita incintei S.C. Rustrans S.R.L.
3. Mosnegutu Emilian, Nedeff Valentin, Lazar Gabriel, **Chitimus Dana**, Irimia Tartoaca Oana, Nedeff Florin, Belciu Mihai, Studii si cercetari privind managementul deseurilor la S.C. SIGMA SECURITY GROUP S.R.L. Bacau, contract 17/2013.
4. Mosnegutu Emilian, Nedeff Valentin, Lazar Gabriel, **Chitimus Dana**, Irimia Tartoaca Oana, Nedeff Florin, Belciu Mihai, Studii si cercetari privind managementul deseurilor la S.C. COMSERVICE Company S.R.L. Bacau, contract 16/2013.
5. Mosnegutu Emilian, Nedeff Valentin, Lazar Gabriel, **Chitimus Dana**, Irimia Tartoaca Oana, Nedeff Florin, Belciu Mihai, Studii si cercetari privind managementul deseurilor la S.C. TERMA S.R.L. Bacau, contract 16/2013.
6. Valentin Nedeff, Mirela Panaite, Narcis Barsan, Claudia Tomozei, **Dana Chitimus**, Florin Marian Nedeff, Contract de servicii de consultanta in domeniul inovarii

## Membru în comitete de organizare:

1. Scientific Communications session for the students of “Vasile Alecsandri” University of Bacau, SCSUVAB, 17 May 2012.

2. First International Conference on MOLDAVIAN RISKS – FROM GLOBAL TO LOCAL SCALE, 16-19 May 2012, Bacau, Romania.
3. Scientific Communications session for the students of "Vasile Alecsandri" University of Bacau, SCSUVAB, 15 May 2013.
4. Echipa editorială a revistei Journal of Engineering.

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Asist. dr. ing. Alexandra-Dana Chițimuş