

## SCIENTIFIC PAPERS: 63

### Scientific papers in ISI journals/ISI proceedings -12

1. **Esmeralda Chiorescu**, Ștefan Popescu, Daniel Toma, *Equations for alluvial soil's storage coefficients*, in Environmental Engineering and Management Journal, vol.7, nr. 6, ISSN 1582-9596, pp. 809-813, Iasi, 2008 IF=1.18
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5. Elena-Doinita Carlig, **Esmeralda Chiorescu**, Matei Macoveanu, *Numerical simulation of pollution with anion SO<sub>4</sub><sup>2-</sup> for the phreatic aquifer inside a metallurgical waste hall*, in: Environmental Engineering and Management Journal, Vol.8,nr.3,pp. 553-542, 2009, ISSN ISSN 1582-9596- Iasi, 2009, IF= 1.18
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9. Chiorescu Dan, **Chiorescu Esmeralda**, Dodun Oana- *Numerical simulation with the finite element using the contact between the soil and the actively working body*, IManEE, The 21th edition of IManEE 2017, [https://www.mateconferences.org/articles/mateconf/abs/2017/26/mateconf\\_imane2017\\_06001/mateconf\\_imane2017\\_06001.htm](https://www.mateconferences.org/articles/mateconf/abs/2017/26/mateconf_imane2017_06001/mateconf_imane2017_06001.htm), 2017, ISI Proceedings
10. Chiorescu Dan, **Chiorescu Esmeralda**, Sergiu Olaru -*The analysis of the parameters for deep drawing of cylindrical parts*-22nd International Conference on Innovative Manufacturing Engineering and Energy – Imane, <https://doi.org/10.1051/mateconf/201817802011>., 2018, ISI Proceedings
11. Filipov Feodor, Nita Lucian, **Chiorescu Esmeralda** , *Indicative Recognition Criteria of Degradation by Compaction and Salinization of the Greenhouses Soils with Fine Texture* , International Conference on Life Science. Filodiritto Editore, pp. 477-483. ISBN 978-88-85813-24-3, 2018, ISI Proceedings
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1. **Chiorescu Esmeralda**, *Research on the influence of hydrogels Stockosorb and TerraCottem on the development of some agricultural plants species*, Simpozionul Științele vieții, o provocare pentru viitor , 17-18 octombrie 2019, Iași, în curs de apariție, 2019

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15. Chiorescu Esmeralda, Jităreanu Sergiu, Țigaret Ghe, *Generalization of the fundamental equation of the reservoir* , The 53th Scientific Conference "Durable Agriculture present and perspectives" 21-23 octombrie Agricultură, vol 53 (1), pp.95 -99, ISSN: 1454-7414, Iași, 2010
16. Chiorescu Esmeralda Ștefan Popescu, *Analytical expressions for the storage coefficients of a stratified soil, (Expresii analitice pentru coeficienții de inmagazinare ai unui sol stratificat.)* The 51th Scientific Conference "Durable Agriculture in the context of environmental changes" 16-18 octombrie, vol 51 (2), Agricultură, ISSN: 1454-7414, pp 202-207, Iași, 2008
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**Patent invention: 1**

Eftimie Nițescu, **Esmeralda Chiorescu**, Ciobanu Dumitru , *Automated flood warning system*, Patent invention no. 123083/ 30.09.2010