

SCIENTIFIC ACTIVITY – PAPERS LIST

Doctoral Thesis

Research regarding the soil tillage process optimisation, doctoral thesis, UTCN, 2008

Scientific papers

ISI indexed scientific papers

1. Fechete-Tutunaru, L. V., Gaspar, F., Gyorgy, Z., **Soil-tool interaction of a simple tillage tool in sand**. Sustainable solutions for energy and environment (EENVIRO 2018) E3S Web Conf. Vol. 85, 2019, <https://doi.org/10.1051/e3sconf/20198508007>
2. Filip, N., Ros, V., Deac, Teodora, Fechete-Tutunaru, L., **Romanian's experience and perspectives regarding to education in biosystems engineering**. Actual tasks on agricultural engineering. Proceedings, Vol. 47, Zagreb, Croatia, 2019, p. 507-517, ISSN 1848-4425, http://atae.agr.hr/47th_ATAE_proceedings.pdf
3. Pop, O. G., Fechete Tutunaru, L., Bode, F., Abrudan, Ancuta C., Balan, M. C., **Energy efficiency of PCM integrated in fresh air cooling systems in different climatic conditions**. Applied Energy, Volume 212, February 2018, pages 976-996, ISSN: 0306-2619, <https://www.sciencedirect.com/science/article/abs/pii/S0306261917318469>
4. Pop, O. G., Iuga, Cristina A., Fechete Tutunaru, L., Balan, M. C., **Modeling and Experimental Validation of the Thermal Behavior of PCM using DSC Input Data**. AIP Conference Proceedings, Vol. 2004, 020005, 2018, <https://doi.org/10.1063/1.5051100>
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16. Chira, Teodora, Ros, V., Gheres, M., Fechete, L., Ranta, O., Molnar, A., **The Possibilities of Energetic Crop Uses in Romania**, In Buletinul USAMV, Cluj - Napoca, Vol. 62/2006, p. 55-60, ISSN: 1454-2382.
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2. DUMITRU I. VLĂDUȚOIU L., ANDREI T., FECHETE L., MARIN E., VLĂDUȚ V., MATACHE M., ***Determining the wear of active organs for processing soil depending on the working depth***, ANALELE UNIVERSITATII DIN CRAIOVA-SERIA AGRICULTURA, MONTANOLOGIE, CADASTRU, nr. 2, vol. 45 (2015), pag. 253-258, issn: 1841-8317, <http://anale.agro-craiova.ro/index.php/aamc/article/view/306>
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5. NAGY, Elena Mihaela; COȚA, Constantin; CIOICA, Nicolae; GYORGY, Zoltan; FECHETE-TUTUNARU, Lucian; GHIRIȘAN, Adina; MICLEĂUȘ, Vasile; ***Researches Regarding a Protein Hydrolysate Used as Adjuvant in Fertilization Process***. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. AGRICULTURE, Vol 76, No 2 (2019), p. 78-83, DOI: <http://dx.doi.org/10.15835/buasvmcn-agr:2018.0035>
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2. Fechete, L.V., Roş, V., Ghereş, M., Chira Teodora, **Energetic valuable ways for waste agriculture**, 2005, Conferința Internațională The Impact of European Integration on the National Economy, Universitatea Babeş-Bolyai, Facultatea de Științe Economice, Cluj-Napoca. ISBN 973-751-111-5
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Cluj-Napoca, 1.10.2020

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