

ANEXA: Lucrări publicate în reviste și volumele unor conferințe

1. Calin, L., **Catinean, A.**, Bilici, M., Dascalescu, L., Samuila, A. **Electrostatic separation of HIPS/ABS and HIPS/ABS-PC plastic mixtures from IT equipment using fluidized bed tribocharging** (2021). *Particulate Science and Technology*, pp. 1-10. ISSN: 0272-6351. DOI: 10.1080/02726351.2021.1922560. Published online 13 mai 2021.
2. Bilici, M., Calin, L., **Catinean, A.**, Samuila, A. **Increasing the recovery rate of metals from WEEE by corona-electrostatic separation** (2021). 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Mai 25-27, 2021, Bucharest, Romania, pp. 1-6, Electronic ISBN: 978-1-6654-1878-2. DOI: 10.1109/ATEE52255.2021.9425156. Date added to IEEE Xplore: 12 May 2021. Publisher IEEE.
3. Calin, L., **Catinean, A.**, Bilici, M., Samuila, A. **A corona-electrostatic technology for zinc and brass recovery from the coarse fraction of the recycling process of spent alkaline and zinc-carbon batteries** (2021). *Journal of Cleaner Production*, Volume 278, 1 January 2021, Article 123477, pp. 1-10. ISSN: 0959-6526. DOI: 10.1016/j.jclepro.2020.123477.
- 4 / [76]. **Catinean, A.**, Dascalescu, L., Lungu, M., Dumitran, L. M., Samuila, A. **Improving the recovery of copper from electric cable waste derived from automotive industry by corona-electrostatic separation** (2021). *Particulate Science and Technology*, Volume 39, Issue 4, 2021, pp. 449-456. ISSN: 0272-6351. DOI: 10.1080/02726351.2020.1756545.
5. Samuila, A., Dascalescu, L., Bilici, M., Calin, L., **Catinean, A.** **Recent researches in electrostatic separation technologies for the recycling of Waste Electric and Electronic Equipment** (2019). TIM 19 Physics Conference, May 29 – 31, 2019, Timisoara, Romania, pp. 1-10. ISBN: 978-0-7354-1974-2. AIP (American Institute of Physics) Conference Proceedings, Volume 2218, Issue 1, article id.030001, 010001 (2020). DOI: 10.1063/10.0000237. Published Online: 20 March 2020
6. Bilici, M., **Catinean, A.**, Calin, L., Samuila, A. **The effect of charged granules agglomerations on the electric field distribution of a tribo-aero-electrostatic separator** (2019). Proceedings of The 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE). March 28-30, 2019, Bucharest, Romania. ISBN: 978-1-7281-0102-6. pp. 238-243. ISSN: 2068-79662. DOI: 10.1109/ATEE.2019.8724939.
7. **Catinean, A.**, Tebrean, B., Bogdan, R., Crisan, T.E. **Fiber optic pressure sensor** (2017). The

22nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modeling and Testing „Supporting world development through electrical & electronic measurements”. September 14-15, 2017, Iasi, Romania, pp. 360-366.

8. Micu, D.D., Bargauan, B., Ceclan, A., Stet, Denisa, Czumbil, L., **Căținean, A.**, Ploycarpou, A. On a demand response pilot demonstration in the Technical University of Cluj-Napoca (2016). 2016 International Conference and Exposition on Electrical and Power Engineering (EPE 2016), 20-22 October, 2016, Iasi, Romania, pp.785-791, ISBN 978-1-5090-6130-3. DOI: 10.1109/ICEPE.2016.7781445.

9. Crișan, T.E., Căținean, A., Crișan, S., Tebrean, B., **Analysis of inherent perturbations modeling on optical fibers** (2014). *Acta Electrotehnica*, Volume 55, Number 1-2, pp. 62-64. ISSN 1841-3323.

10. Moldovean (Avram), Ioana, **Căținean, A.**, Crisan, T., Tarnovan, I. **Analysis of the electromagnetic field modeling on optic fibers using Comsol** (2013). Proceeding of the 5th International Conference on Modern Power Systems (MPS 2013), May 28-31, 2013. Cluj-Napoca, Romania, pp. 29-32. Conference Proceeding Printed by S.C. Mediamira S.A Cluj-Napoca.

11. Calin, L., **Catinean, A.**, Bilici, M., Dascalescu, L., Samuila, A. **Electrostatic separation of HIPS/ABS and HIPS/ABS-PC plastic mixtures from IT equipment using fluidized bed tribocharging** (2019). 7th International Conference on Sustainable Solid Waste Management, 26-29 June 2019, Heraklion, Crete Island, Greece, pp. 1-12. Conference proceedings on CD ROM format.

12. Calin, L., **Catinean, A.**, Bilici, M., Samuila, A. Recovery of zinc and brass from spent alkaline and zinc-carbon batteries (2017). The 17th International Waste Management and Landfill Symposium, 30 September-04 October 2019, Forte Village, Cagliari, Italy. Proceedings Sardinia 2019, pp. 1-14. ISSN 2282-0027 (675 participants, 55 countries, 583 selected papers from 850).