

LISTA LUCRĂRILOR ELABORATE DE DOAMNA Ing. Mirela Ancuța NEAGA (RADU)

I. Articole publicate în reviste cotate Clarivate Analytics ISI WoS

1. Florin Dumitru POPESCU, Ciprian-Gheorghe DANCIU, Andrei ANDRAȘ, Ildiko BRÎNAȘ, Sorin Mihai RADU, **Mirela Ancuța NEAGA (RADU)**, *DETERMINATION OF LIGNITE SHEAR STRENGTH ALONG AN IMPOSED PLANE BY SIMULATION AND MODELLING USING FDEM*, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Vol 66, No 4 (2023) ISSN 1221-5872, <https://atna-mam.utcluj.ro/index.php/Acta>
2. Florin Dumitru Popescu, Sorin Mihai Radu, Andrei Andras, Ildiko Brinas, Mihaela-Olga Marita, **Mirela Ancuta Radu** and Constantin Laurentiu Brinas, *Stability Assessment of the Dam of a Tailings Pond Using Computer Modeling—Case Study: Coroiesti, Romania*, Appl. Sci. 2024, 14, 268. Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<https://creativecommons.org/licenses/by/4.0/>).<https://doi.org/10.3390/app14010268>, <https://www.mdpi.com/journal/applsci>

II. Articole publicate în reviste indexate în BDI

1. Florin Adrian Păun, Dan Gabor, **Mirela Radu**, Cătălin Mihai Popa, Anca Alexandra Tăzlăuan, *Laboratory testing of cutting strength performance of protective gloves against mechanical risks*, “Annals of the University of Petrosani Electrical Engineering” ISSN 1454-8518, Vol. 23 (L)/2021, https://www.upet.ro/annals/electrical/doc/2021/Lucrare%202_Paun.pdf.
2. Mihaela Paraian, Adrian Marius Jurca, **Mirela Radu**, Cătălin Mihai Popa, *Aspects regarding the assessment of equipment/installations regarding compliance with explosion prevention requirements*, Annals of the University of Petrosani - Electrical Engineering - Volume LII/2023, <https://www.upet.ro/annals/electrical/2023.php>

III. Lucrări publicate în Conferințe internaționale desfășurate în străinătate.

1. Adrian Marius Jurca, Mihaela Părăian, **Mirela Ancuța Radu**, Mihai Cătălin Popa, Dan Gabor, *Analyse of explosion characteristics of wood dust clouds in dependence of the particle size distribution*, SGEM conference proceedings / ISSN 1314-2704, 2 - 11 July, 2022, Albena, Bulgaria [10.5593/sgem2022/5.1/s20.002](https://www.sgem-conference.com/2022/5.1/s20.002)
2. Mihaela Părăian, Florin Adrian Păun, Adrian Marius Jurca, Sorin Mangu, Mihai Cătălin Popa, **Mirela Ancuța Radu**, *Aspects of explosion risk assessment for belt conveyors for bulk materials*, SGEM conference proceedings / ISSN 1314-2704, 2 - 11 July, 2022, Albena, Bulgaria [10.5593/sgem2022/1.1/s03.023](https://www.sgem-conference.com/2022/1.1/s03.023)
3. Cătălin Mihai Popa, Florin Paun, Dan Sorin Gabor, **Mirela Ancuța Radu**, Anca Alexandra Tăzlăuanu, *Hazard from electrification of materials, components and technical equipment intended for use in potentially explosive atmospheres*, CONFERENCE PROCEEDINGS OF SELECTED PAPERS in SCIENCE AND TECHNOLOGIES IN GEOLOGY,

EXPLORATION AND MINING, ISSUE 1.1, ISBN 978-619-7603-56-9,
ISSN 1314-2704, DOI: 10.5593/sgem2023/1.1,
[10.5593/sgem2023/1.1/s06.83](https://doi.org/10.5593/sgem2023/1.1/s06.83)

4. **Mirela Radu**, Mihael Părăian, Dan Matei, Adrian Jurca, Dan Gabor, *Aspects regarding the risk of explosions in dedusting systems*, CONFERENCE PROCEEDINGS OF SELECTED PAPERS in ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION ISSUE 5.1, ISSN 1314-2704, ISBN 978-619-7603-60-6, [10.5593/sgem2023/5.1/s20.04](https://doi.org/10.5593/sgem2023/5.1/s20.04)

IV Lucrări publicate în Conferințe internaționale și naționale cu participare internațională desfășurate în țară,

1. Alexandra Stanimirescu Soica, Florin Flavius Soica, Angela Egri, and **Mirela Ancuta Radu**, *Monitoring the noise level around the Jiu Valley mines using Bruel&Kjaer noise dose meter type 4448*, 9th edition of the International Multidisciplinary Symposium UNIVERSITARIA SIMPRO 2021, MATEC Web of Conferences **342**, 03010 (2021), <https://doi.org/10.1051/matecconf/202134203010>
2. Sorin Popescu, **Mirela Ancuța Radu**, Stela Dinescu, and Iulian Vladuca, *Study of the possibilities of CO2 storage in the underground caverns of dissolution salt mines*, 9th edition of the International Multidisciplinary Symposium UNIVERSITARIA SIMPRO 2021, MATEC Web of Conferences **342**, 06006 (2021), <https://doi.org/10.1051/matecconf/202134206006>
3. **Mirela Ancuta Radu**, Lazar Avram, Daniel Ion Matei, *Development of methods for assessing the safety of dust removal facilities in environments with a danger of explosive atmosphere*, 10th edition of the International Multidisciplinary Symposium “UNIVERSITARIA SIMPRO 2022”: Quality and Innovation in Education, Research and Industry – the Success Triangle for a Sustainable Economic, Social and Environmental Development, MATEC Web of Conferences 202237300024 (2022), eISSN: 2261-236X, <https://doi.org/10.1051/matecconf/202237300024>
4. Florin Adrian Păun, **Mirela Ancuța Radu**, Ana Petrina Păun, *Determination by standardized test methods of electrostatic discharge sensitivity of electric igniters in order to prevent their unexpected initiation*, 10th edition of the International Multidisciplinary Symposium “UNIVERSITARIA SIMPRO 2022”: Quality and Innovation in Education, Research and Industry – the Success Triangle for a Sustainable Economic, Social and Environmental Development, MATEC Web of Conferences 373, 00045 (2022), eISSN: 2261-236X, <https://doi.org/10.1051/matecconf/202237300006>
5. Mihaela Paraian, **Mirela Radu**, *The risk of explosion during the transport and storage of liquid fuels*, SESAM-International Symposium on Occupational Health and Safety, Published online: 10 January 2024, DOI: <https://doi.org/10.1051/matecconf/202438900029>
6. **Mirela Ancuta Radu**, Adrian Marius Jurca, *Explosion risk assessment – an important chapter of the explosion protection document*, SESAM-International Symposium on Occupational Health and Safety, Published online: 10 January 2024, DOI: <https://doi.org/10.1051/matecconf/202438900036>.