

Scientific and Professional Publications of Academy Members in 2022

Prof. **Bruno Zelić**, Ph.D.
Vice-president of the Academy

To show only a part of the scientific and professional activities of the members of the Croatian Academy of Engineering, here is an overview of the scientific and professional publications in journals and congress proceedings, which were co-authored by members, associates and emeritus of the Academy in 2022.¹

1. Ačkar, Đurđica; Babić, Jurislav; Jokić, Stela; Jozinović, Antun; Miličević, Borislav; Šubarić, Drago. Transitioning to Zero Waste in Agro-Food Sector – Novel Solutions for By-Product Valorisation // Engineering power: bulletin of the Croatian Academy of Engineering, 17 (2022), 1; 2-10
2. Ačkar, Đurđica; Grec, Marijana; Grgić, Ivanka; Grysckin, Artur; Styczyńska, Marzena; Jozinović, Antun; Miličević, Borislav; Šubarić, Drago; Babić, Jurislav. Physical Properties of Starches Modified by Phosphorylation and High-Voltage Electrical Discharge (HVED) // Polymers, 14 (2022), 16; 3359, 12 doi:10.3390/polym14163359
3. Ahac, Maja; Ahac, Saša; Lakušić, Stjepan. Contribution to road traffic noise wall panel type selection process // Book of Proceedings / Mijoski, Goran (ur.). Skopje: Macedonian Association of Road Engineers „Via Vita“, 2022. str. 723-730
4. Ahac, Maja; Ahac, Saša; Lakušić, Stjepan. Vrednovanje neakustičnih svojstava zidova za zaštitu od prometne buke // Journal of the Croatian Association of Civil Engineers, 74 (2022), 01; 35-49 doi:10.14256/jce.3368.2021
5. Alfredo Višković; Vladimir Franki; Angela Bašić- Šiško. City-Level Transition to Low-Carbon Economy // Energies, 15 (2022), 5; 1737, 24 doi:10.3390/en15051737

¹ The papers presented were taken from the CROSBI database (Croatian Scientific Library, <https://www.bib.irb.hr>) as entered by the (co-)authors without additional editing. The (co-)authors are solely responsible for the accuracy of the presented bibliographic information.

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7. Antić, Tomislav; Thurner, Leon; Capuder, Tomislav; Pavić, Ivica. Modeling and open source implementation of balanced and unbalanced harmonic analysis in radial distribution networks // *Electric power systems research*, 209 (2022), 107935, 11 doi:10.1016/j.epsr.2022.107935
8. Antunović, Martina; Kovač Tomas, Marija; Šarić, Antonija; Lučan Čolić, Mirela; Babić, Jurislav; Kovač, Tihomir. Aflatoxin M1 in milk and dairy products – A mini review // *Croatian journal of food science and technology*, 14 (2022), 2; 235-248 doi:10.17508/CJFST.2022.14.2.08
9. Arbanas, Barbara; Petric, Frano; Batinović, Ana; Polić, Marsela; Vatavuk, Ivo; Marković, Lovro; Car, Marko; Hrabar, Ivan; Ivanović, Antun; Bogdan, Stjepan. From ERL to MBZIRC: Development of An Aerial-Ground Robotic Team for Search and Rescue // *Automation and Control / Dadios, Elmer P. (ur.)*. Online: IntechOpen, 2022. str. 87-112 doi:10.5772/intechopen.99210
10. Arbanas, Željko; Peranić, Josip; Jagodnik, Vedran; Vivoda Prodan, Martina; Čeh, Nina; Pajalić, Sara; Plazonić, Davor. Impact of gravity retaining wall on the stability of a sandy slope in small-scale physical model // *Landslide Modelling & Applications: Proceedings of the 5th Regional Symposium on Landslides in the Adriatic-Balkan Region / Peranić, Josip; Vivoda Prodan, Martin; Bernat Gazibara, Sanja; Krkač, Martin; Mihalić Arbanas, Snježana; Arbanas, Željko (ur.)*. Rijeka: Faculty of Civil Engineering, University of Rijeka and Faculty of Mining, Geology and Petroleum Engineering, University of Zagreb, 2022. str. 193-200
11. Arbanas, Željko; Udovič, Dalibor; Mihalić Arbanas, Snježana. Rockfall analyses and rockfall protection at the Raspadalica Rockfall, Croatia // *Proc of the 20th International Conference on Soil Mechanics and Geotechnical Engineering / Rahman, Md Mizanur; Jaksa, Mark (ur.)*. Sydney, Australia: Australian Geomechanics Society, 2022. str. 2349-2354
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13. Babić, Jurislav; Velić, Natalija; Panjičko, Mario; Vujić, Goran; Milovanović, Dušan; Mirić, Milan. A Path to Sustainable Municipal Waste Management: From Engineering Practices to Education and Training // *Engineering Power: Bulletin of the Croatian Academy of Engineering*, 17 (2022), 1; 23-27
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