



Dr Maja Trumić

Associate Professor

Basic information:

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Education:

2006

BSc in Mining, Mineral Processing

University of Belgrade, Technical faculty in Bor,

Department for Mineral and Recycling Technologies

2015

PhD in technical and technological sciences

University of Belgrade, Technical faculty in Bor,

Department for Mineral and Recycling Technologies

Work experience:

2008 – 2016

Teaching Assistant

University of Belgrade, Technical faculty in Bor,

Department for Mineral and Recycling Technologies,

2016 – 2020

Assistant professor

University of Belgrade, Technical faculty in Bor,

Department for Mineral and Recycling Technologies

2020 –

Associate professor

University of Belgrade, Technical faculty in Bor,

Department for Mineral and Recycling Technologies

Engagement on subjects (Teaching courses) :

Flotation – UAS, modules MP and RTSD
Waste Management and Treatment – UAS, module RTSD
Recycling Technology – UAS, module RTSD
Construction Waste Processing Technologies– UAS, module RTSD
Study Research Work on Theoretical Basis of the Master Thesis – MAS, modules MP and RTSD
Mineral Processing Design – MAS, module MP
Processing Technologies of Non-metallic Mineral Raw Materials – MAS, module MP
Theoretical Principles of Flotation Concentration – MAS, modules MP and RTSD
Theoretical Principles of Physical-Chemical and Chemical Concentration Processes – MAS, modules MP and RTSD
Theory of Elementary Physicochemical Processes in Flotation – DAS, Mining Engineering
Basics of Flotation Kinetics – DAS, Mining Engineering
Theoretical Principles of Comminution and Classification – DAS, Mining Engineering

Areas of interest:

Physical-chemical processes in flotation, Kinetic models of the mineral and other raw materials flotation process, Recycling technologies, Waste management, Development of waste management plans.

Projects:

OI 172031: "Some aspects of the dissolution of metals and natural minerals", Project of the Ministry of Education and Science of the Republic of Serbia (2011-).

JST SATREPS "Research on the Integration System of Spatial Environment Analyses and Advanced Metal Recovery to Ensure Sustainable Resource Development", 2014-2020

Technical solution, Defining a new flotation concentration line of mineral copper, lead and zinc from polymetallic ore deposits "Podvirovi and Conjev kamen" - Bosilmetal using modern technical and technological solutions, Project TR 33007. Verification of technical solution: Institute for Technology of Nuclear and Other Mineral Raw Materials, ITNMS, 2015.

Technical control (revision) of the "Supplementary mining project" Pilot "of the plant for technological testing of flotation processing of Cu-Pb-Zn ore deposits Podvirovi and Popovica in the area of Kamenica", 2016.

CB007.1.32.224 " Clean and Green Life" Interreg-IPA CBC Bugarska-Srbija, 2017-2018

EMS: RORS-462 Interreg-IPA Cross-border Cooperation Programme Romania-Serbia, Academic environmental protection studies on surface water quality in significant cross-border nature reservations djerdap / iron gate national park and carska bara special nature reserve, with population awareness raising workshops, 2019-2021

**The most
important
references:**

Trumić M. Ž., **Trumić M. S.**, The role of preparation in waste recycling, Monograph: State and prospects for the preparation of mineral resources in Serbia, Belgrade, 2011, pp. 73-93. ISBN 978-86-7747-430-0(MU)(COBISS.SR-ID 183782156) Editor: Nedeljko Magdalinović

Magdalinovic N., Trumic M., Trumic G., Magdalinovic S., **Trumić M. S.**, Determination of the bond work index on samples of non-standard size, International Journal of Mineral Processing, Vol 114–117, 2012, pp. 48–50.

[ISSN: 0301-7516, IF(2012): 1,378, Mining & Mineral Processing 2/20]

Magdalinović N., Trumić Ž. M., **Trumić M. S.**, Andrić Lj.: The Optimal Ball Diameter in a Mill, Physicochemical Problems of Mineral Processing, Vol 48, No 2, 2012, pp.5–15.

[ISSN 1643-1049, IF(2012)=0,580; Mining & Mineral Processing 9/20]

Trumić M. Ž., Andrić Lj. D., **Trumić M. S.**: "Waste Management and Treatment", University of Belgrade, Technical Faculty in Bor, 2014., str.172., ISBN 978-86-6305-020-4

Trumić M. S., Antonijević M., Toner recovery from suspensions with fiber and comparative analysis of two kinetic models, Physicochemical Problems of Mineral Processing, Vol 52, No 1, 2016, pp.5–17.,

[ISSN 1643-1049, IF(2014)=0,926; Mining & Mineral Processing 9/20]

Trumic M. S., Trumic M. Z., Vujuc B., Andric Lj., Bogdanovic G., Results of fibre and toner flotation depending on oleic acid dosage, Waste Management & Research, Vol 34, Issue 9, 2016, pp. 969-974.,

[Print ISSN 0734-242X, Online ISSN: 1096-3669, IF(2015)=1,553; Engineering Environmental 30/50] DOI: 10.1177/0734242X16652960

Todorovic D., **Trumic M. S.**, Andric Lj., Milosevic V., Trumic M. Z., A quick method for bond work index approximate value determination, Physicochemical Problems of Mineral Processing, Vol 53, No 1, 2017, pp.321–332.,

[Print ISSN 1643-1049, IF(2015)=0,977; Mining & Mineral Processing 11/21]

Radulović D., Božović D., Terzić A., **Trumic M. S.**, Simić, V., Andrić, Lj., A kinetic study of limestone dry micronization in an ultra-centrifugal mill with peripheral comminuting path, Journal of Ceramic Science and Technology, Vol 8, Issue 2, June 2017, pp. 295-304

[ISSN 2190-9385, IF(2016)=1,220; Materials Science, Ceramics 9/26]

Trumić M. Ž., **Trumić M. S.**: "Basis of Design in Mineral Processing ", University of Belgrade, Technical Faculty in Bor, 2019., str.202., ISBN:978-86-6305-102-7

Trumić M. Ž., **Trumić M. S.**: "Comminution and Classification of Materials", University of Belgrade, Technical Faculty in Bor, 2020., str.199., ISBN:978-86-6305-105-8

Trumić M., **Trumić M.**, Radulovic D., Terzic A., Andrić Lj., Petrov M., The effect of reducing the metal content in the input ore on the value of Bond's working index Pb-Zn ore from the Grot-Kriva Feja-Vranje mine, 2019, M84.

Terzic A., Pezo L., Andrić Lj., **Trumić M.**, Optimization and improvement of the process of mechano-chemical activation of zeolite using a mathematical model based on artificial neural networks, 2019, M85.

Nikolić V., García G., Coello-Velázquez A., Menéndez-Aguado J., **Trumić M.**, Trumić M., A Review of Alternative Procedures to the Bond Ball Mill Standard Grindability Test, Metals, Vol. 11, No. 7, 2021.

[ISSN 2075-4701, IF(2019)= 2.244; Materials Science, Multidisciplinary 162/314, Metallurgy & Metallurgical Engineering 18/79]

Trumić M., Bogdanović G., Sokolović J., Stević Z., Štirbanović Z., **Trumić M.**, Milošević V., 60 years of Department for Mineral and Recycling Technologies: 1962-2022., Publisher: TF Bor, 2022, M49, ISBN: 978-86-6305-125-6 Monograph

Izvoreanu S., Cioabla A. E., Bacos T. B., Borborean A. T., Genić S., Lelea D., Popescu F., **Trumić M.**, Experimental approach for catalytic combustion of biogas: Preliminary research, Thermal Science, 2022, OnLine-First Issue 00, pp. 182-182.

[ISSN 0354-9836, IF(2021)=1.971; Thermodynamics 44/63]

Popescu F., Trumić M., Cioabla A., Vujić B., Stoica V., **Trumić M.**, Opris C., Bogdanović G., Trif-Tordai G., Analysis of Surface Water Quality and Sediments Content on Danube Basin in Djerdap-Iron Gate Protected Areas, Water, Vol. 14, No. 19, 2022, pp. 1 – 14.

[ISSN 2073-4441, IF(2021)= 3.628; Environmental Sciences 143/179, Water Resources 38/103]

Other activities:

- **Technical editor of national scientific journal** "Recycling and sustainable development" since 2011-2017. (Print ISSN 1820-7480 Online ISSN 2560-3132)
- **Field editor of national scientific journal** "Recycling and sustainable development" since 2017-. (Print ISSN 1820-7480 Online ISSN 2560-3132)
- **Member of professional association Serbian Chemical Society**
- **License-certificate:** Training of professionally exposed persons and persons responsible for the implementation of ionizing radiation protection measures when using X-ray analyzers in the scientific research field.