



# Dr Milan Trumić

## Full Professor

**Basic information:** **Address:** Vojske Jugoslavije 12, 19210 Bor  
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**ORCID:** <http://orcid.org/0000-0002-4321-5218>  
**Scopus:** [36545453200](https://scopus.org/authorities/65025121000)

**Education:** **1990**  
BSc in Mining, Mineral Processing  
University of Belgrade, Technical faculty in Bor,  
Department for Mineral and Recycling Technologies

**1998**  
MSc in Mining, Mineral Processing  
University of Belgrade, Technical faculty in Bor,  
Department for Mineral and Recycling Technologies

**1999**  
PhD in Mining,  
University of Belgrade, Technical faculty in Bor,  
Department for Mineral and Recycling Technologies

**Work experience:** **1990 – 1993**  
Operating engineer in Bor and Krivelj flotation  
Mining and Smelting Company Bor, Flotation plant in Bor and Veliki Krivelj

**1993**  
Manager of flotation tailings  
Mining and Smelting Company Bor, Flotation plant in Veliki Krivelj

**1993 – 1995**  
Technical Director of production in Veliki Krivelj flotation  
Mining and Smelting Company Bor, Flotation plant in Veliki Krivelj

**1995 – 1998**

Teaching Assistant  
 University of Belgrade, Technical faculty in Bor,  
 Department for Mineral and Recycling Technologies,

**1998 – 2000**

Teaching Assistant  
 University of Belgrade, Technical faculty in Bor,  
 Department for Mineral and Recycling Technologies,

**2000 – 2004**

Assistant professor  
 University of Belgrade, Technical faculty in Bor,  
 Department for Mineral and Recycling Technologies

**2004 – 2014**

Associate professor  
 University of Belgrade, Technical faculty in Bor,  
 Department for Mineral and Recycling Technologies

**2014 –**

Full professor  
 University of Belgrade, Technical faculty in Bor,  
 Department for Mineral and Recycling Technologies

**Engagement on  
 subjects (Teaching  
 courses) :**

**Comminution and Classification** – UAS, modules MP and RTSD

**Waste Management and Treatment** – UAS, UAS, module RTSD

**Dewatering and tailings** – UAS, UAS, module MP

**Theoretical principles of physical processes of preparation and concentration**– MAS,  
 modules MP and RTSD

**Theoretical basis for the preparation of master work** – MAS, modules MP and RTSD

**Basics of design in Mineral Processing** – MAS, module MP

**The theory of the process of comminution and classification of raw materials** – DAS,  
 rudarsko inženjerstvo

**Methodology of scientific research** – DAS, Mining Engineering

**Examination of the grindability of mineral raw materials**– DAS, Mining Engineering

**Kinetics of grinding and sieving**– DAS, Mining Engineering

**Micronization, mechanical and mechanochemical activation of minerals** – DAS, Mining  
 Engineering

**Areas of interest:**

Kinetic Models of Crushing and Classification of Mineral Raw Materials,  
 Preparation of Technical Documentation in the Field of Mineral Processing,  
 Mineral and Recycling Technology , Solid Waste Management, Development of  
 Action Plans in the Field of Environmental Protection.

**Projects:** **TR 33007:** " Implementation of modern technical, technological and ecological solutions in the existing production systems of the Copper Mines Bor and the Copper Mine Majdanpek ", Ministry of education, science and technological development of Republic of Serbia

**IPA Interreg Srbija Rumunija, (RORS-462), 2019-2021.**

**The most important references:**

- **Trumic M.**, Magdalinovic N.: New model of screening kinetics, *Minerals Engineering*, Vol 24, No 1, 2011, pp. 42-49., (ISSN: 0892-6875), IF: 1,352.
- Magdalinovic N., **Trumic M.**, Trumic G., Magdalinovic S., Trumic M., 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: 1,378.
- Andrić Lj., Aćimović-Pavlović Z., **Trumic M.**, Prstić A., Tanasković Z.: Specific Characteristics of Coating Glazes Based on Basalt, *Materials and Design*, Vol. 39, No 7, 2012, pp.9-13., (ISSN: 0261-3069), IF=2,913.
- Magdalinović N., **Trumić Ž. M.**, Trumić M., 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=0,580.
- Andrić Lj., Terzić A., Aćimović-Pavlović Z., **Trumić M.**, Petrov M., Pavlović Lj.: *A Kinetic Study of Micronization Grinding of Dry Mica in a Planetary Ball Mill*, *Advances in Materials Science and Engineering*, Vol. 2013, 2013., pp.1-6., (ISSN 1687-6822), IF=0,500.
- Trumić S. M., **Trumić Ž. M.**, Vujić B., Andrić Lj., Bogdanović G.: Results of fibre and toner flotation depending on oleic acid dosage, *Waste Management & Research*, ISSN 1096-3669, Vol. 34, No. 9, pp. 969 - 974, 2016, [Impact factor (IF) 1,553/2015]
- Todorović D., Trumić M. S., Andrić Lj., Milošević V., Trumić M., A quick method for bond work index approximate value determination, *Physicochemical Problems of Mineral Processing*, ISSN 1643-1049, Vol. 53, No. 1, pp. 321 - 332, 2017, [Impact factor (IF) 0,977/2015]
- Nikolić, V., & **Trumić, M.** (2021). A new approach to the calculation of bond work index for finer samples. *Minerals Engineering*, 165 doi:10.1016/j.mineng.2021.106858
- Nikolić, V., Doll, A., & **Trumić, M.** (2022). A new methodology to obtain a corrected bond ball mill work index valid with non-standard feed size. *Minerals Engineering*, 188 doi:10.1016/j.mineng.2022.107822
- Nikolić, V., García, G. G., Coello-velázquez, A. L., Menéndez-aguado, J. M., **Trumić, M.**, & Trumić, M. S. (2021). A review of alternative procedures to the bond ball mill standard grindability test. *Metals*, 11(7) doi:10.3390/met11071114
- Popescu, F., **Trumić, Ž. M.**, Cioabla, A.E., 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, (2022) *Water (Switzerland)*, 14 (19), art. no. 2991.

**Other activities:**

- Member of the Steering committee of the Institute for technology of nuclear and other mineral raw material in two mandates (2005-2010)
- Elected for the correspondent member of the Engineering Academy of Serbia in 2011.
- Vice dean for finances at Technical faculty in Bor from 2009-2012.

- Member of the Council at Technical faculty in Bor since 2012-2020; 2022-2025.
- Head of the department for mineral and recycling technologies at Technical faculty Bor since 2013-.
- Head of the Mining department since 2016-2019; 2022-2025.
- Chief editor for collection of works from scientific-expert gathering Environmental truth 2006, 2007 and 2008 and collection of works from scientific-expert gathering Recycling and sustainable development 2010, 2011, 2012, 2013, and 2017. and International Mineral Processing and Recycling Conference (IMPRC) 2019 i 2021.
- Chief editor of national scientific journal "Recycling and sustainable development" since 2011-.
- Chief editor of national scientific journal "Journal of Mining and Metallurgy-Section A" from 2012-2017.