



Dr Zoran Štirbanović

Assistant Professor

- Basic information:**
- Address:** Vojske Jugoslavije 12, 19210 Bor, Serbia
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- ORCID:** [0000-0001-7571-2844](https://orcid.org/0000-0001-7571-2844)
- Scopus:** [54974097300](https://scopus.org/54974097300)
- Education:**
- 2005**
BSc in Mining, Mineral Processing
University of Belgrade, Technical faculty in Bor,
Department for Mineral and Recycling Technologies
- 2009**
MSc in Mining, Mineral and recycling technologies
University of Belgrade, Technical faculty in Bor,
Department for Mineral and Recycling Technologies
- 2015**
PhD in Mining, System Engineering
University of Belgrade, Faculty of Mining and Geology,
Department for Applied Computing and System Engineering
- Work experience:**
- 2007 – 2009**
Teaching Associate
University of Belgrade, Technical faculty in Bor,
Department for Mineral and Recycling Technologies
- 2009 – 2015**
Teaching Assistant
University of Belgrade, Technical faculty in Bor,
Department for Mineral and Recycling Technologies,
- 2015 –**
Assistant professor
University of Belgrade, Technical faculty in Bor,
Department for Mineral and Recycling Technologies

Engagement on subjects (Teaching courses) :

Testing mineral and secondary raw materials – UAS, modules MP and RTSD
Alternative and renewable energy sources – UAS, module RTSD
Mineral processing technologies – UAS, module MP
Reagents in mineral processing – UAS, module MP
Specific methods of flotation – MAS, module MP
Theory of elementary physical - chemical processes in flotation – DAS, Mining Engineering

Areas of interest:

Physical - chemical processes in flotation, Methods for testing mineral and secondary raw materials, Alternative and renewable energy sources, Mineral and recycling technologies

Projects:

TR 33023: " Development of technology for processing copper and precious metals ores by flotation in order to achieve better technological results ", Ministry of education, science and technological development of Republic of Serbia.
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

The most important references:

- **Zoran M. Stirbanovic**, Zoran S. Markovic, The effect of copper bearing particles liberation on copper recovery from smelter slag by flotation, Separation Science and Technology, Vol.46, No. 16, 2011, pp. 2496-2500 (ISSN 0149-6395)
- **Zoran Štirbanović**, Igor Miljanović, Zoran Marković, Application of Rough Set Theory for Choosing Optimal Location for Flotation Tailings Dump, Arch. Min. Sci., Vol. 58 No 3, 2013, pp. 893–900 (ISSN 0860-7001, DOI 10.2478/amsc-2013-0062)
- Zoran Markovic, **Zoran Stirbanovic**, Dragan Milanovic, Magdalena Markovic, Kinetics study on oxidized copper ore flotation from copper mine Veliki Krivelj, Proceedings of XXVI International Mineral Processing Congress (IMPC 2012), New Delhi, India, ISBN: 81-901714-3-7, September 24-28, 2012, pp. 3280-3286
- Rodoljub Stanojlović, **Zoran Štirbanović**, Jovica Sokolović, Wastefree technology for processing smelter slag from Bor Copper Mine, Journal of Mining and Metallurgy, Section A: Mining, Vol 44, No. 1 , 2008, pp. 44-50. (ISSN 1450-5959)
- **Zoran Štirbanović**, Zoran Marković, Proceedings of the XI International Symposium on Recycling Technologies and Sustainable Development, November 2016, Bor, Serbia, ISBN 978-86-6305-051-8
- Rodoljub Stanojlović, **Zoran Štirbanović**, Proceedings of the 3rd Symposium "Recycling technologies and sustainable development", October 2008, Sokobanja, Serbia, ISBN 978-86-80987-61-3
- Rodoljub Stanojlović, **Zoran Štirbanović**, Proceedings of the 2nd Symposium "Recycling technologies and sustainable development", October 2007, Sokobanja, Serbia, ISBN 978-86-80987-53-8

Other activities:

- President of Organizing Committee of XI International Symposium on Recycling Technologies and Sustainable Development, November 2016, Bor, Serbia