



# Dr Jovica Sokolović

## Associate professor

### Basic information:

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**ORCID:** [0000-0002-2003-1141](https://orcid.org/0000-0002-2003-1141)

**Scopus:** [55250002400](https://scopus.org/55250002400)

### Education:

#### 2000

BSc in Mining, Mineral Processing  
University of Belgrade, Technical faculty in Bor,  
Department for Mineral Processing

#### 2006

MSc in Mining, Mineral and recycling technologies  
University of Belgrade, Technical faculty in Bor,  
Department for Mineral and Recycling Technologies

#### 2012

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

### Work experience:

#### 2000 – 2001

Research Assistant  
University of Belgrade, Technical faculty in Bor  
Department for Mineral Processing

#### 2001 – 2006

Teaching Associate  
University of Belgrade, Technical faculty in Bor  
Department for Mineral Processing

#### 2006 – 2012

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

## **2012 – 2017**

Assistant professor

University of Belgrade, Technical faculty in Bor,

Department for Mineral and Recycling Technologies

## **2017 –**

Associate professor

University of Belgrade, Technical faculty in Bor,

Department for Mineral and Recycling Technologies

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

**Technology and sustainable development** – UAS, modules ELMS, MP and RTSD

**Physical methods of concentration** – UAS, modules MP and RTSD

**Special methods of concentration** – UAS, modules MP and RTSD

**Mineral processing** – UAS, module ELMS

**Landfill design** – MAS, module RTSD

**Land sanation reclamation** – MAS, modules ELMS, MP and RTSD

**Theory principles of the gravity concentration** – DAS, Mining engineering

**Theory of electromagnetic process of concentration** – DAS, Mining engineering

### **Areas of interest:**

Research in the field of mineral processing, Gravity and electromagnetic separation, Coal flotation, Recycling and waste minimization, Environmental protection and sustainable development.

### **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

**TR 33038:** „Improvement of copper ore exploitation and processing technologies with monitoring of environmental and working conditions in RTB Bor Group“, Ministry of education, science and technological development of Republic of Serbia

**SATREPS:** „The Project for the research on the integration system of spatial environment analysis and advanced metal recovery to ensure sustainable resource development, FY 2014, (2014 – 2019)“.

### **The most important references:**

- **Sokolović, J.**, Stanojlović, R., Marković, Z., Effect of oxidation on flotation and electro-kinetic properties of coal, Journal of Mining and Metallurgy, Section A: Mining, 42 (1) (2006), pp. 69-81.
- Zivkovic, D., **Sokolović, J.** et al., Modern trends in the recycling of electronic waste, Ecologica, 17 (57) (2010), pp. 11-16.
- Stanojlović, R., **Sokolović, J.**, Stojanović, S., Control of electrostatic separation efficiency of waste copper cable by float-sink analysis, Recycling and Sustainable Development, ROR 4 (1) (2011), pp. 29-66.
- **Sokolovic, J.**, Stanojlovic, R., Markovic, Z., The effects of pretreatment on the flotation kinetics of waste coal, International Journal of Coal Preparation and Utilization, 32 (3)

(2012), pp. 130-142.

- **Sokolovic, J.**, Stanojlovic, R., Markovic, Z., Activation of oxidized surface of anthracite waste coal by attrition, *Physicochemical Problems of Mineral Processing*, 48 (1) (2012), pp. 5–18.
- Stanojlović, R., **Sokolović, J.**, Milosević, M., Integrated environmental protection and waste minimization in the area of Copper Mine Bor, *Environmental Engineering and Management Journal*, 13 (4) (2014), pp. 791-804.
- Wen, B., Xia, W., **Sokolovic, J.**, Recent advances in effective collectors for enhancing the flotation of low rank/oxidized coals. *Powder Technology*, 319 (2017), pp. 1-11.
- Stanojlović, R., **Sokolović, J.**, A study of the optimal model of the flotation kinetics of copper slag from Copper Mine Bor, *Archives of Mining Sciences*, 59 (3) (2014), pp. 821-834.
- **Sokolović, J.**, Stanojlović, R., Stanković, S., Gardić, V., Treatment of oily wastewater by adsorption using anthracite, *Quaestus Multidisciplinary Research Journal*, Quaestus 4 (2014), pp. 290-297.
- **Sokolović, J.**, Stojanović, J., Žikić, M., Tanikić, D., Stanojlović, R., Marković, Z., Stojanović, A., Biomass briquetting – potentials and perspectives in Zajecar region, Serbia, *Quaestus Multidisciplinary Research Journal*, Quaestus No. 6/April 2015 (2015), pp. 292-300.

#### **Other activities:**

- Vice president of the Organizing Committee of the 39<sup>th</sup> and 40<sup>th</sup> International October Conference on Mining and Metallurgy, (2007-2008).
- Member of the Organizing Committee of Symposium on Recycling Technologies and Sustainable Development (2006-2016),
- President of Organizing Committee of the 4<sup>th</sup> (2009) and 9<sup>th</sup> (2014) Symposium on Recycling Technologies and Sustainable Development.
- Member of the Scientific Committee of Symposium on Recycling Technologies and Sustainable Development (2013-2017),
- President of Organizing Committee of the 1<sup>st</sup> (2012) Student Symposium on Recycling Technologies and Sustainable Development.
- Member of the Scientific Committee of Student Symposium on Recycling Technologies and Sustainable Development (2013-2017),
- Member of the Organizing Committee of the XVI Balkan Mineral Processing Congress, Belgrade, Serbia, (2015).
- Member of the Scientific Committee of the International Conference on Tourism and Durable Development (2014-2016).
- Member of the Scientific Committee of the International Student October Conference on Mining and Metallurgy (2015-2017).
- Technical Editor on *Journal of Mining and Metallurgy: Section A – Mining*, ISSN: 1450-5959, (2006 - 2013).
- Co-Editor for *Mineral Processing on Journal of Mining and Metallurgy: Section A – Mining*, ISSN: 1450-5959, (2013 - present).
- Editorial Board Member, *Physicochemical Problems of Mineral Processing journal*, ISSN: 1643-1049, (2016 - present).

- Judicial expert for the field: Mining and Geology; Narrow area: Preparation of mineral raw materials and recycling, Decision no. 740-05-0024 / 2014-22, Ministry of Justice of the Republic of Serbia.

**Awards and  
acknowledgement:**

- **Jovica Sokolović**, Rodoljub Stanojlović, Radmilo Nikolić, Zoran Marković, Zoran Štirbanović, The Best Technological Innovations NTI 2007, Team leader ECO-CARBON, Special Award for the top-ranked team in Zajecar, Ministry of Science and Technology of the Republic of Serbia (2007).
- **Jovica Sokolović**, The Best Technological Innovations NTI 2008, First Awards for the Association of Innovators and Inventors City of Zajecar, Ministry of Science and Technology of the Republic of Serbia (2008).
- **Jovica Sokolović**, Jovan Stojanović, Miodrag Žikić, Dejan Tanikić, The Best Technological Innovations NTI 2014, Special Awards, EcoCoal Briquette team, Semifinal, 8th place, Ministry of Education, Science and Technology of the Republic of Serbia (2014).
- **Jovica Sokolović**, Branislav Stakić, Savo Perendić, The Best Technological Innovations NTI 2016, Special Awards, Eco Aqua team, Final, 4th place, Ministry of Education, Science and Technology of the Republic of Serbia (2016).

**Textbook and  
monographs:**

- Rodoljub Stanojlović, **Jovica Sokolović**, Smelting slag - slag production and processing of copper smelter in Bor, Monograph, ISBN 978-86-80987-83-5, Published by University of Belgrade, Technical Faculty in Bor, Bor, Serbia (2011).
- Rodoljub Stanojlović, **Jovica Sokolović**, Technology and sustainable development", textbook, ISBN 978-86-6305-055-6, Published by University of Belgrade, Technical Faculty in Bor, Bor, Serbia (2016).