



## Dr Jovica Sokolović

### Redovni profesor

#### Osnovni podaci:

**Adresa:** Vojske Jugoslavije 12, 19210 Bor

**Kancelarija:** Zgrada MiRT; kancelarija br. 10

**Telefon:** +381 30 424 555, lokal 185

**E-mail adresa:** [jsokolovic@tfbor.bg.ac.rs](mailto:jsokolovic@tfbor.bg.ac.rs)

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

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

#### Obrazovanje:

**2000**

Diplomirani inženjer rudarstva  
Univerzitet u Beogradu, Tehnički fakultet u Boru,  
Katedra za pripremu mineralnih sirovina

**2006**

Magistar tehničkih nauka iz oblasti rudarstva  
Univerzitet u Beogradu, Tehnički fakultet u Boru,  
Katedra za mineralne i reciklažne tehnologije

**2012**

Doktor tehničkih nauka iz oblasti rudarstva  
Univerzitet u Beogradu, Tehnički fakultet u Boru,  
Katedra za mineralne i reciklažne tehnologije

#### Radno iskustvo/

#### Izbori u zvanja:

**2000 – 2001**

Istraživač pripravnik  
Univerzitet u Beogradu, Tehnički fakultet u Boru  
Katedra za pripremu mineralnih sirovina

**2001 – 2006**

Asistent pripravnik  
Univerzitet u Beogradu, Tehnički fakultet u Boru  
Katedra za pripremu mineralnih sirovina

**2006 – 2012**

Asistent  
Univerzitet u Beogradu, Tehnički fakultet u Boru  
Katedra za mineralne i reciklažne tehnologije

**2012 – 2017**

Docent

Univerzitet u Beogradu, Tehnički fakultet u Boru  
Katedra za mineralne i reciklažne tehnologije**2017 – 2022**

Vanredni profesor

Univerzitet u Beogradu, Tehnički fakultet u Boru  
Katedra za mineralne i reciklažne tehnologije**2022 –**

Redovni profesor

Univerzitet u Beogradu, Tehnički fakultet u Boru  
Katedra za mineralne i reciklažne tehnologije**Angažovanje na predmetima:****Tehnologije i održivi razvoj** – OAS, moduli ELMS, PMS i RTiOR**Fizičke metode koncentracije** – OAS, modul PMS i RTiOR**Specijalne metode koncentracije** – OAS, modul PMS i RTiOR**Tehnologije pripreme mineralnih sirovina 1** – OAS, modul PMS**Priprema mineralnih sirovina** – OAS, modul ELMS**Teorijski principi fizičkih procesa pripreme i koncentracije** – MAS, moduli PMS i RTiOR**Sanacija i rekultivacija** – MAS, moduli ELMS, PMS i RTiOR**Tehnologije prerade ugljeva** – MAS, modul PMS**Projektovanje i upravljanje komunalnom deponijom** – MAS, modul RTiOR**Reciklaža metala i metalnog otpada** – MAS, modul RTiOR**Teorija procesa fizičkih metoda koncentracije** – DAS, Rudarsko inženjerstvo**Teorijski principi prerade ugljeva** – DAS, Rudarsko inženjerstvo**Oblasti interesovanja:**

Istraživanje u oblasti pripreme mineralnih sirovina i reciklažnih tehnologija, posebno gravitacijske i elektromagnetne separacije, prerade uglja, reciklaže i minimizacije otpada, zaštite životne sredine i održivog razvoja.

**Projekti:****TR 33007:** "Implementacija savremenijih tehničko-tehnoloških i ekoloških rešenja u postojećim proizvodnim sistemima Rudnika Bakra Bor i Rudnika Bakra Majdanpek", Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije.**TR 33038:** „Usavršavanje tehnologija eksploatacije i prerade rude bakra sa monitoringom životne i radne sredine u RTB Bor Grupa“, Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije.**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)“.

**Najznačajnije  
reference:**

- **Sokolović, J.**, Stanojlović, R., Marković, Z., Effect of oxidation on flotation and electrokinetic 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.
- 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.
- Gardić, V., Marković, R., Masuda, N., **Sokolović, J.**, Petrović, J., Đorđievski, S., Božić, D., The study of leachability and toxicity of sludge after neutralization of Saraka and Robule AMD wastewaters, *Journal of Mining and Metallurgy, Section A: Mining*, 53 A (1) (2017), pp. 17-29.
- **Sokolović, J.**, The role and importance of anthracite coal in the energy sector and water treatment, *Proceedings of the 3rd International Conference on Science, Technology and Management in Energy, eNergetics 2017*, ISBN: 978-86-80616-02-5, October 22-23, 2017, Niš, Serbia, pp. 121-127.
- Paunović, P., **Sokolović, J.**, Twenty-five years of ecological truth, *Proceedings of the 26th International Conference Ecological Truth and Environmental Research - EcoTER'18*, ISBN: 978-86-6305-076-1, June 12-15, 2018, Bor, Serbia, pp. 16-31.
- 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.
- **Sokolović J. M.**, Miskovic S., The effect of particle size on coal flotation kinetics: A review, *Physicochemical Problems of Mineral Processing*, 54 (4) (2018), pp. 1172-1190.
- Egerić, M., Smičiklas, I., Mraković, A., Jović, M., Šljivić-Ivanović, M., **Sokolović, J.**, Ristić, M., Separation of Cu(II) ions from synthetic solutions and wastewater by raw and calcined seashell waste, *Desalination and Water Treatment*, 132 (2018), pp. 205-214.

- Wen, B., Xia, W., **Sokolović, J.**, Effect of surface oxidation in air and water on hydrophobicity and floatability of a bituminous coal, Archives of Mining Sciences, 64 (1) (2019), pp. 223-233.
- Štirbanović, Z., **Sokolović, J.**, Marković, I., Đorđević, S., The effect of degree of liberation on copper recovery from copper-pyrite ore by flotation, Separation Science and Technology, 55 (17) (2020), pp. 3260-3273.
- Štirbanović, Z., Gardić, V., Stanujkić, D., Marković, R., **Sokolović, J.**, Stevanović, Z. Comparative MCDM Analysis for AMD Treatment Method Selection. Water Resources Management, 35 (11) (2021), pp. 3737-3753.
- Xia, W., He, W., **Sokolović, J.**, Effect of pyrolysis temperature on desulfurization performance of high organic sulfur low rank coal, Journal of Mining and Metallurgy, Section A: Mining, 57 A (1), 2021, pp. 27-32.
- **Sokolović, J.**, Stanujkić, D., Štirbanović, Z., Selection of process for aluminium separation from waste cables by TOPSIS and WASPAS methods, Minerals Engineering, 173 (2021), 107186.

**Udžbenici i monografije:**

- Stanojlović, R., **Sokolović, J.**, Topionička šljaka – produkcija i prerada šljake Topionice bakra u Boru, Monografija, ISBN: 978-86-80987-83-5, Univerzitet u Beogradu, Tehnički fakultet u Boru, (2011).
- Stanojlović, R., **Sokolović, J.**, Tehnologije i održivi razvoj, Udžbenik, ISBN: 978-86-6305-055-6, Univerzitet u Beogradu, Tehnički fakultet u Boru, (2016).
- **Sokolović, J.**, Praktikum iz fizičkih metoda koncentracije, Pomoćni udžbenik, ISBN: 978-86-6305-109-6, Univerzitet u Beogradu, Tehnički fakultet u Boru, (2020).

**Ostale aktivnosti:**

- 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 (2006-2017),
- 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 (2015-2021).
- Member of the Organizing Committee of the International Conference Ecological Truth and Environmental Research (2018).
- Member of the Scientific Committee of the 6<sup>st</sup> Symposium with international participation "Environmental protection and sustainable development 2018" (2018).

- Member of the Scientific Committee of the 7<sup>th</sup> Symposium with international participation "Sustainable development 2019" (2019).
- Member of the Scientific Committee of the 10<sup>th</sup> Symposium with international participation "Mining 2019" (2019).
- Member of the Scientific and the Organizing Committee of the International Mineral Processing and Recycling Conference (2019).
- President of Organizing Committee and Vice-president of the Scientific Committee of the 14<sup>th</sup> International Mineral Processing and Recycling Conference (2021).
- Member of the Organizing Committee of the International October Conference on Mining and Metallurgy (2021).
- 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, (2016 - present).
- Stručni ispit za oblast rudarstvo - priprema mineralnih sirovina, Uverenje broj: 7105/R, Ministarstvo rudarstva i energetike Republike Srbije, 2018.
- Sudski veštak za oblast: Rudarstvo i geologija; Uža oblast: Priprema mineralnih sirovina i reciklaža, Rešenje br. 740-05-0024/2014-22, Ministarstvo pravde Republike Srbije.
- Prodekan za materijalno i finansijsko poslovanje, Univerzitet u Beogradu, Tehnički fakultet u Boru, 2022.

#### **Nagrade i priznanja:**

- **Sokolović, J.**, Stanojlović, R., Nikolić, R., Marković, Z., Štirbanović, Z., Najbolja tehnološka inovacija NTI 2007, Eko-Karbon tim, Specijalna nagrada za najbolje plasirani tim iz Zaječara, (2007). Ministarstvo za nauku i tehnološki razvoj Republike Srbije.
- **Sokolović, J.**, Najbolja tehnološka inovacija NTI 2008, Prva nagrada za udruženje inovatora i pronalazača grada Zaječar, (2008). Ministarstvo za nauku i tehnološki razvoj Republike Srbije.
- **Sokolović, J.**, Stojanović, J., Žikić, M., Tanikić, D., Najbolja tehnološka inovacija NTI 2014, EcoCoalBriquette tim, Polufinale (8. mesto), (2014). Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije.
- **Sokolović, J.**, Stakić, B., Perendić, P., Najbolja tehnološka inovacija NTI 2016, EcoAqua tim, Finale (4. mesto), (2016). Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije.