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Akadska karijera

- Doktor nauka – tehnološko inženjerstvo, Univerzitet u Beogradu, Tehnički fakultet u Boru (2012.)
- Diplomirani inženjer neorganske hemijske tehnologije, Univerzitet u Beogradu, Tehnički fakultet u Boru (2006.)

Oblasti istraživanja

- Koroziija
- Inhibitori koroziije
- Senzorske elektrode
- Materijali

Relevantni podaci

- Zamenik šefa Katedre za hemiju i hemijsku tehnologiju.
- Višegodišnji član organizacionih odbora međunarodnih konferencija EcoTER i IOC.
- Član Srpskog hemijskog društva.

Izdanja

- Petrović Mihajlović M. (2023), **Korozija odabranih staklastih materijala**, DOO Grafomed trade, Bor, ISBN: 978-86-82162-09-4.
- Antonijević M., Tasić Ž., Petrović Mihajlović M., Simonović A., Radovanović M. (2018), **Expired antibiotics as possible solution for corrosion of metals caused by acid rain** in Monograph Ecological Truth and Environmental Research, Editor: Šerbula S.M., pp. 93–120, University of Belgrade, Technical Faculty in Bor, Bor, ISBN: 978-86-6305-080-8.
- Petrović Mihajlović M., Antonijević M. (2017), **Inhibitori korozije bakra**, Univerzitet u Beogradu, Tehnički fakultet u Boru, Bor, ISBN: 978-86-6305-064-8.

Bibliografija

- Tasić Ž.Z., Petrović Mihajlović M.B., Radovanović M.B., Simonović A.T., Medić D.V., Antonijević M.M. (2022), Electrochemical determination of L-tryptophan in food samples on graphite electrode prepared from waste batteries, *Scientific Reports*, 12(1), 5469.
- Radovanović M., Petrović Mihajlović M., Tasić Ž., Simonović A., Antonijević M. (2021), Inhibitory effect of L-Threonine and L-Lysine and influence of surfactant on stainless steel corrosion in artificial body solution, *Journal of Molecular Liquids*, 342, 116939.
- Tasić Ž.Z., Petrović Mihajlović M.B., Radovanović M.B., Simonović A.T., Antonijević M.M. (2021), Experimental and theoretical studies of paracetamol as a copper corrosion inhibitor, *Journal of Molecular Liquids*, 327, 114817.
- Radovanović M.B., Tasić Ž.Z., Petrović Mihajlović M.B., Simonović A.T., Antonijević M.M. (2019), Electrochemical and DFT studies of brass corrosion inhibition in 3% NaCl in the presence of environmentally friendly compounds, *Scientific Reports*, 9(1), 16081.
- Petrović Mihajlović M.B., Radovanović M.B., Simonović, A.T., Tasić Ž.Z., Antonijević M.M. (2019), Evaluation of purine based compounds as the inhibitors of copper corrosion in simulated body fluid, *Results in Physics*, 14, 102357.

Projekti

- Angažovanje po Ugovoru o realizaciji i finansiranju naučno-istraživačkog rada NIO u 2021. godini (br. 451-03-9/2021-14/200131), u 2022. godini (br. 451-03-68/2022-14/200131), u 2023. godini (br. 451-03-47/2023-01/200131) i u 2024. godini (br. 451-03-65/2024-03/200131).
- JST SATREPS project: Research on the Integration System of Spatial Environment Analyses and Advanced Metal Recovery to Ensure Sustainable Resource Development (2014–2020).
- „Neki aspekti rastvaranja metala i prirodnih minerala” (2011–2019, br. projekta 172 031).