

Published in international journals with IF

1. Rakanović, M., Vukojević, A., Savanović, M.M., Armaković, S., Pelemiš, S., Živić, F., Sladojević, S., Armaković, S.J. Zeolites as adsorbents and photocatalysts for removal of dyes from the aqueous environment. *Molecules*, **27** (2022) 6582. (IF = 4.927)
2. Armaković, S.J., Jovanoski Kostić, A., Bilić, A., Savanović, M.M., Tomić, N., Kremenović, A., Šćepanović, M., Grujić-Brojčin, M., Ćirković, J., Armaković, S. Photocatalytic Activity of the V₂O₅ Catalyst toward Selected Pharmaceuticals and Their Mixture: Influence of the Molecular Structure on the Efficiency of the Process. *Molecules*, **28** (2023) 655. (IF = 4.927)
3. Bilić A., Savanović M.M., Armaković S., Četojević-Simin D.D., Srđenović Čonić B., Kladar N. and Armaković S.J. Exploring the influence of free radicals on photolytic removal of nadolol from water: Mechanism of degradation and toxicity of intermediates. *Frontiers in Environmental Science*, **11** (2023) 1119944. (IF = 5.411)
4. Savanović, M.M., Armaković, S.J., Bilić, A., Kalajdžić, M., Kalajdžić, J., Ivanišević, D., Srđenović Čonić, B., Kladar, N., Savić, I., Gajo, T., Armaković, S. (in press) Exploring the influence of structural characteristics on the stability of bioregulators in natural environmental conditions. *Journal of Molecular Structure*, Accepted (2023). (IF = 3.841)
5. Armaković, S.J., Bilić, A., Savanović, M.M., Četojević-Simin, D.D., Srđenović Čonić B., Kladar N. and Armaković S. Experimental and theoretical insights into the photoinduced degradation of nadolol in the Danube River through catalytic oxidation with radical species, **181** (2023) 106729. (IF = 3.7)

Published at scientific conferences

1. Vukojević, A., Armaković, S.J. Stability and photochemical fate of nadolol in water, 65th International Conference for Students of Physics and Natural Sciences „Open Readings 2022”, Vilnius, Lithuania, March 15-18, 2022.
2. Vukojević, A., Savanović, M.M., Tomić, N., Armaković, S., Pelemiš, S., Armaković, S.J., Removal of nadolol using coupled nanomaterials based on titanium and carbon, *Contemporary Materials*, Vol 13, No 2 (2022) 127–132.
3. Savanović, M.M., Vukojević, A., Marković, D., Armaković, S., Pelemiš, S., Armaković, S.J., Photocatalytic activity of ZnO and TiO₂ towards effective degradation of cefoperazone, *Contemporary Materials*, Vol 13, No 2, (2022) 133–139.
4. Vukojević, A., Savanović, M.M., Armaković, S., Pelemiš, S., Armaković, S.J. Photolysis of nadolol in the aquatic environment: Insights into the effect of bicarbonates, XIV Conference of Chemists, Technologists and Environmentalists of Republic of Srpska, Banja Luka, Bosnia and Herzegovina, October 21-22, 2022.

5. Savanović, M.M., Kostić, A.J., Vukojević, A., Armaković, S., Kalajdžić, J., Milić, B., Kalajdžić, M., Pelemiš, S., Armaković, S.J. Solar stability of commercial pesticides that contribute to the quality of grapes and fruits, XIV Conference of Chemists, Technologists and Environmentalists of Republic of Srpska, Banja Luka, Bosnia and Herzegovina, October 21-22, 2022. **AWARDED**
6. Bilić, A., Četojević-Simin, D.D., Savanović, M.M., Armaković, S.J. Toxicity assessment of nadolol and its photodegradation mixtures using mammalian cell lines, 8th Conference of Young Chemists of Serbia, Belgrade, Serbia, October 29, 2022.
7. Savanović, M.M., Bilić, A., Kostić, A.J., Armaković, A., Tomić, N., Šćepanović, M.J., Grujić-Brojčin, M., Kremenović, A., Armaković, A.J. Application of single-crystal V₂O₅ in photodegradation of selected pharmaceutical products, 5th Edition of Nanotechnology and Nanomaterials Virtual, December 9-10, 2022.
8. Vojnović, Đ., Savanović, M.M., Bilić, A., Adamović, B., Ilin, Ž., Armaković, S., Savić, I., Gajo, T., Armaković, S., Pelemiš, S. Influence of humic and fulvic acids on stability of Lobo® and its prolonged activity in onion production, International Congress „Engineering, Environment and Materials in Process Industry“, Jahorina, Bosnia and Herzegovina, March 15-17, 2023.
9. Armaković S., Savanović M.M., Bilić A., Kalajdzic M., Kalajdžić J., Ivanišević D., Savić I., Gajo T., Armaković S. Application of grape biostimulators and their stability under solar light in rainwater, VIII International Congress "Engineering, Environment and Materials in Process Industry", Jahorina, Bosnia and Herzegovina, March 20-23, 2023.
10. Tomić, J., Savanović, M.M., Vojnović, Đ., Ilin, Ž., Bilić, A., Armaković, S., Armaković, S.J. Influence of the selected biostimulators on the prolonged action and stability of imidacloprid, Young Investigators' Seminar on Analytical Chemistry (YISAC), Belgrade, Serbia, June 25-28, 2023.
11. Bilić, A., Armaković, S., Savanović, M.M., Armaković, S.J. Understanding the interactions between nadolol and hydroxyl radical: A computational study, Young Investigators' Seminar on Analytical Chemistry (YISAC), Belgrade, Serbia, June 25-28, 2023.
12. Bilić, A., Savanović, M.M., Armaković, S.J. Nitrate-induced photodegradation of nadolol in water solution, 38th International Conference on Solution Chemistry, Beograd, Serbia, July 9-14, 2023. **AWARDED**
13. Bilić, A., Savanović, M.M., Armaković, S., Pelemiš, S., Armaković, S.J., Advancing environmental sustainability: enhanced photocatalytic degradation of cefoperazone using ZnO and H₂O₂ under different radiation sources, Contemporary Materials, Banja Luka, Bosnia and Herzegovina, September 7-8, 2023.
14. Savanović, M.M., Bilić, A., Armaković, Perić, M., S., Pelemiš, S., Armaković, S.J., Photocatalytic degradation of metoprolol commercial formulation: Validation of the

RP-HPLC method, Contemporary Materials, Banja Luka, Bosnia and Herzegovina, September 7-8, 2023.

15. Bilić, A., Armačić, S., Armačić, S.J., Comparative exploration of the stability of cefoperazone and nadolol through atomistic calculations, 9th Conference of Young Chemists of Serbia, Novi Sad, Serbia, October 4, 2023.

Other

1. **Third Place Award** on International Student Conference on Environment and Sustainability in category *Smart Environment* with work "*Smart Digital Water*" as part of the "MAM game time" team, Tongji, Sichuan, China, June 2-5, 2022.
2. **Third Place Award** on International Student Conference on Environment and Sustainability in category *Circular Economy* with work "*Plantable seed biofoil*" as part of the "BioBlanket time" team, Tongji, Sichuan, China, June 5, 2023.
3. Participant of the Workshop "Organic soil amendments impact on soil organic matter and nutrient characteristics and dynamics" organized by the TwinSubdyn project team, Novi Sad, Serbia, September 26-29, 2023.
4. 2023-today, Application of photocatalytic active polymers biosynthesized on media containing industrial effluents of AP Vojvodina, Provincial Secretariat for Science and Technological Development of Vojvodina, Republic of Serbia, No. 142-451-3166/2023-01/01. Researcher
5. **Training courses:** Computational Materials Science, modul: *Computational modeling of molecules and periodic structures* (2022); Computational Materials Science, modul: *Application of Schrödinger's virtual workstation platform* (2021)