

Списак публикација

Досадашње резултате истраживања кандидаткиња је публиковала у следећим научним радовима и саопштењима:

M21a - Рад у међународном часопису изузетних вредности

1. J. Krstić, A. Radosavljević, J. Spasojević, **N. Nikolić**, U. Jovanović, N. Abazović, Z. Kačarević-Popović, *Improvement of antibacterial activity of Ag-poly(vinyl-alcohol)/chitosan hydrogel by optimizing the procedure of radiolytic synthesis*, Radiat. Phys. Chem., 194 (2022) 110045.
<https://doi.org/10.1016/j.radphyschem.2022.110045>
IF= 2,858 (2020); Nuclear Science & Technology (3/34)

M21 - Рад у врхунском међународном часопису

1. **N. Nikolić**, J. Spasojević, A. Radosavljević, M. Milošević, T. Barudžija, L. Rakočević, Z. Kačarević-Popović, *Influence of poly(vinyl alcohol)/poly(N-vinyl-2-pyrrolidone) polymer matrix composition on the bonding environment and characteristics of Ag nanoparticles produced by Gamma Irradiation*, Radiat. Phys. Chem., 202 (2023) 110564.
<https://doi.org/10.1016/j.radphyschem.2022.110564>
IF= 2,776 (2021); Nuclear Science & Technology (7/34)

M23 - Рад у међународном часопису

1. B.M. Ranković, **N.R. Nikolić**, S.B. Mašić, I.T. Vujčić, *Dose mapping of products with different density irradiated in 60Co irradiation facility of the Vinca institute, Serbia*, Nucl. Technol. Radiat., 35 (2020) 56-63.
<https://doi.org/10.2298/NTRP2001056R>
IF= 1.242 (2020); Nuclear Science & Technology (25/34)

M33 – Саопштење са међународног скупа штампано у целини

1. J. Spasojević, A. Radosavljević, **N. Nikolić**, Z. Kačarević-Popović, *Swelling behavior of Ag-poly(NiPAAm/IA) hydrogel nanocomposites: Influence of temperature and pH*, 15th International Conference of Fundamental and Applied Aspects of Physical Chemistry, PHYSICAL CHEMISTRY 2021, September 20-24, 2021, Belgrade, Serbia, Proceedings,

Volume II (H-16-P), p. 426-429.

ISBN 978-86-82475-40-8; Volume II: ISBN 978-86-82475-39-2

2. **N. Nikolić**, J. Spasojević, A. Radosavljević, Z. Kačarević-Popović, *Radiolytic synthesis and characterization of antibacterial Ag-(PVA/PVP) hydrogel nanocomposites*, 15th International Conference of Fundamental and Applied Aspects of Physical Chemistry, PHYSICAL CHEMISTRY 2021, September 20-24, 2021, Belgrade, Serbia, Proceedings, Volume II (H-18-P), p. 434-437.
ISBN 978-86-82475-40-8; Volume II: ISBN 978-86-82475-39-2
- 3*. J. Tadić, A. Radosavljević, **N. Nikolić**, J. Spasojević, Z. Kačarević-Popović, *Vanillin-crosslinked chitosan as bio-functional material: effect of molecular weight on swelling, porosity and degradation properties*, 16th International Conference on Fundamental and Applied Aspects of Physical Chemistry, PHYSICAL CHEMISTRY 2022, September 26-30, 2022, Belgrade, Serbia, Proceedings, rad J-06-P.
- 4*. **N. Nikolić**, A. Radosavljević, J. Spasojević, U. Stamenović, V. Vodnik, J. Tadić, Z. Kačarević-Popović, *Physico-chemical characterization of bi-layered Au-PNiPAAm/PVA hydrogel nanocomposites*, 16th International Conference on Fundamental and Applied Aspects of Physical Chemistry, PHYSICAL CHEMISTRY 2022, September 26-30, 2022, Belgrade, Serbia, Proceedings, rad H-13-P.

3*, 4*, - Proceedings PHYSICAL CHEMISTRY 2022 je još uvek u pripremi tako da publikacije nemaју број страница, већ ознаку рада.

M34 - Саопштење са међународног скупа штампано у изводу

1. **N. Nikolić**, J. Spasojević, A. Radosavljević, V. Vodnik, Z. Kačarević-Popović, *Hydrogel nanocomposite photoactuator for direct optical to mechanical energy conversion obtained by ionizing irradiation*, AAAFM-UCLA International Conference on Advances in Functional Materials 2021, Los Angeles, USA, August 18-20, 2021, Book of Abstracts, Abstract ID: 781.
2. **N. Nikolić**, J. Spasojević, A. Radosavljević, U. Stamenović, V. Vodnik, Z. Kačarević-Popović, *Swelling and deswelling kinetics of Au-PNiPAAm hydrogel nanocomposite photoactuators obtained by gamma irradiation*, The Twenty-second Annual Conference YUCOMAT 2021, Herceg Novi, Montenegro, August 30 - September 3, 2021, Program and Book of Abstracts, V.P.S.9, p.137.
3. **N. Nikolić**, J. Spasojević, A. Radosavljević, Z. Kačarević-Popović, *Radiation-chemical synthesis of antibacterial Ag-poly(vinyl alcohol)/poly(N-vinyl-2-pyrrolidone) nanocomposite hydrogels*, Nineteenth Young Researchers' Conference - Materials Science and Engineering, December 01-03, Belgrade, Serbia, 2021. Program and Book of Abstracts, 6-3, p.31.
4. **N. Nikolić**, A. Radosavljević, J. Spasojević, U. Stamenović, V. Vodnik, Z. Kačarević-Popović, *Au-PNiPAAm hydrogel nanocomposites as photoactuators for direct optical to mechanical*

energy conversion, The Miller Online Workshop on Radiation Chemistry, 10-12 February 2022, Program and Book of Abstracts, P27, p.86.

5. **N. Nikolić**, A. Radosavljević, J. Spasojević, U. Stamenović, J. Tadić, V. Vodnik, Z. Kačarević-Popović, *Bi-layered Au-(PNiPAAm/PVA) hydrogel nanocomposite photoactuators for direct optical to mechanical energy conversion*, Second International Conference on Applications of Radiation Science and Technology (ICARST-2022) 22-26 August 2022, Vienna, Austria, Program and Book of Abstracts, Abstract ID 697.