

**Popis radova objavljenih u znanstvenim časopisima čiji se čimbenik odjeka nalazi u prvom (Q1) kvartilu prema bazi WoSCC (Web of Science Core Collection) za akad. god. 2020./2021.**

<b>Autor(i)</b>	<b>Godina objave</b>	<b>Naslov rada</b>	<b>Časopis, IF, kvartil</b>	<b>Godina, Br. (Vol.): str. (od-do)</b>	<b>Vrsta rada</b>	<b>Poveznica na rad</b>
1. Pisk J., Đilović, I. Hrenar, T. Cvijanović D., Pavlović, G. Vrdoljak V.	2020.	Effective methods for the synthesis of hydrazones, quinazolines, and Schiff bases: reaction monitoring using a chemometric approach	RSC Advances IF=3.267, Q1	2020., 10, 38566-38577	originalni znanstveni rad	<a href="https://pubs.rsc.org/en/content/articlelanding/2020/ra/d0ra06845d#!divAbstract">https://pubs.rsc.org/en/content/articlelanding/2020/ra/d0ra06845d#!divAbstract</a>
2. Jordanov, I., Kolibaba. T., Lazar, S., Magovac, E., Bischof, S., Grunlan, J.:	2020.	Flame suppression of polyamide through combined enzymatic modification and addition of urea to multilayer nanocoating	Journal of Material Science IF=3.440 Q1	2020., 55, 15056 - 15067	originalni znanstveni rad	<a href="https://link.springer.com/article/10.1007/s10853-020-05074-8">https://link.springer.com/article/10.1007/s10853-020-05074-8</a>
3. Kovačević, S., Schwarz, I., Đorđević, S., Đorđević, D.	2020.	Synthesis of Corn Starch Derivatives and Their Application in Yarn Sizing	Polymers IF=3.426, Q1	2020., 12, 6, 251, 22	originalni znanstveni rad	<a href="https://www.mdpi.com/2073-4360/12/6/1251">https://www.mdpi.com/2073-4360/12/6/1251</a>
4. Rogina-Car, B., Kovačević, S., Schwarz, I., Dimitrovski, K	2020.	Microbial Barrier Properties of Cotton Fabric— Influence of Weave Architecture	Polymers IF=3.426, Q1	2020., 12, 7, 1570- 1589	originalni znanstveni rad	<a href="https://www.mdpi.com/2073-4360/12/7/1570">https://www.mdpi.com/2073-4360/12/7/1570</a>
5. Kovačević, S., Brnada, S., Schwarz, I., Kiš, A.	2020.	Bicomponent Carbon Fibre within Woven Fabric for Protective Clothing	Polymers IF=3.426, Q1	2020., 12, 2824, 18	originalni znanstveni rad	<a href="https://www.mdpi.com/2073-4360/12/12/2824">https://www.mdpi.com/2073-4360/12/12/2824</a>
6. Smoljak Kalamir, K.	2020.	Weaker conditions for the q-Steffensen inequality and its generalizations	Mathematic IF=2.258, Q1	2020., 8, 1- 11	originalni znanstveni rad	<a href="https://www.mdpi.com/2227-7390/8/9/1462">https://www.mdpi.com/2227-7390/8/9/1462</a>
7. Martinaga Pintarić L., Somogi Škoc, M. Ljoljić Bilić, V. Pokrovac, I. Kosalec, I. Rezić, I.	2020.	Synthesis, Modification and Characterization of Antimicrobial Textile Surface Containing ZnO Nanoparticles	Polymers IF=3.164, Q1	2020., 12, 1210	originalni znanstveni rad	<a href="https://www.mdpi.com/2073-4360/12/6/1210">https://www.mdpi.com/2073-4360/12/6/1210</a>

8. Rezić, I.; Kiš, A.	2020.	Design of Experiment Approach to Optimize Hydrophobic Fabric Treatments	Polymers IF=3.164, Q1	2020., 12, 2131	originalni znanstveni rad	<a href="https://www.mdpi.com/2073-4360/12/9/2131">https://www.mdpi.com/2073-4360/12/9/2131</a>
9. Savić, L.; Augustyniak, E. M.; Kastensson, A.; Snelling, S.; Abhari, R. E.; Baldwin, M.; Price, A.; Jackson, W.; Carr, A.; Mouthuy, P.A.	2021.	Early development of a polycaprolactone electrospun augment for anterior cruciate ligament reconstruction	Materials Science & Engineering C IF=7.328, Q1	2021., 129, 112414	originalni znanstveni rad	<a href="https://www.sciencedirect.com/science/article/pii/S0928493121005543">https://www.sciencedirect.com/science/article/pii/S0928493121005543</a>
10. Kovacevic, Z., Flincec Grgac, S., Bischof, S.	2021.	Progress in Biodegradable Flame Retardant NanoBiocomposites	Polymers, IF=4.329, Q1	2021., 13, 1-30	originalni znanstveni rad	<a href="https://www.mdpi.com/2073-4360/13/5/741">https://www.mdpi.com/2073-4360/13/5/741</a>
11. Salopek Čubrić, I., Čubrić, G., Potočić Matković, V. M.	2021.	Behavior of Polymer Materials Exposed to Aging in the Swimming Pool: Focus on Properties That Assure Comfort and Durability	Polymers, IF 4.329, Q1	2021., 13 15, 2414	originalni znanstveni rad	<a href="https://www.mdpi.com/2073-4360/13/15/2414">https://www.mdpi.com/2073-4360/13/15/2414</a>
12. Schwarz, I., Kovačević, S., Vitlov, I.	2021.	Influential Parameters of Starching Process on Mechanical Properties of Yarns Intended for Multifunctional Woven Fabrics for Thermal Protective Clothing	Polymers IF=3.426, Q1	2021.,13, 73, 13	originalni znanstveni rad	<a href="https://www.mdpi.com/2073-4360/13/1/73">https://www.mdpi.com/2073-4360/13/1/73</a>
13. Krulić Himmelreich, K.; Pečarić, J.; Praljak, M.; Pokaz, D.	2021.	Generalizations of Hardy Type Inequalities by AbelGontscharoff's Interpolations Polynomial	Mathematics, IF 2,258, Q1	2021., 9, 1-14	originalni znanstveni rad	<a href="https://www.mdpi.com/2227-7390/9/15/1724">https://www.mdpi.com/2227-7390/9/15/1724</a>
14. Racané, L., Rep, V., Kraljević Pavelić, S., Grbčić, P., Zonjić, I., Radić Stojković, M.,	2021.	Synthesis, antiproliferative and antitrypanosomal activities, and DNA binding of	Journal of enzyme inhibition and medicinal chemistry IF=5.05 1, Q1	2021., 36, 1952-1967	originalni znanstveni rad	<a href="https://www.tandfonline.com/doi/full/10.1080/14756366.2021.1959572">https://www.tandfonline.com/doi/full/10.1080/14756366.2021.1959572</a>

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15. Višić, K.; Pušić, T.; Čurlin, M.	2021.	Carboxymethyl Cellulose and Carboxymethyl Starch as Surface Modifiers and Greying Inhibitors in Washing of Cotton Fabrics	Polymers IF=3.426, Q1	2021., 13, 1174	originalni znanstveni rad	<a href="https://www.mdpi.com/2073-4360/13/7/1174">https://www.mdpi.com/2073-4360/13/7/1174</a>
16. Ptiček, L.; Hok, L.; Grbčić, P.; Topić, F.; Cetina, M.; Rissanen, K.; Kraljević Pavelić, S.; Vianello, R.; Racané, L	2021.	Amidino substituted 2-aminophenols: biologically important building blocks for the amidino-functionalization of 2- substituted benzoxazoles	Organic & biomolecular chemistry IF=3.876, Q1	2021., 19, 2784-2793	originalni znanstveni rad	<a href="https://pubs.rsc.org/en/content/articlelanding/2021/ob/d1ob00235j">https://pubs.rsc.org/en/content/articlelanding/2021/ob/d1ob00235j</a>
17. Racané, L.; Cindrić, M.; Zlatar, I.; Kezele, T.; Milić, A.; Brajša, K.; Hranjec, M.	2021.	Preclinical in vitro screening of newly synthesised amidino substituted benzimidazoles and benzothiazoles	Journal of enzyme inhibition and medicinal chemistry IF=5.05 1, Q1	2021. 36, 163-174	originalni znanstveni rad	<a href="https://www.tandfonline.com/doi/full/10.1080/14756366.2020.1850711">https://www.tandfonline.com/doi/full/10.1080/14756366.2020.1850711</a>
18. Rezić, I. Majdak, M., Ljoljić Bilić, V. Pokrovac, I. Martinaga, L. Somogyi Škoc, M., Kosalec, I.	2021.	Development of Antibacterial Protective Coatings Active Against MSSA and MRSA on Biodegradable Polymers	Polymers IF = 3,164, Q1	2021., 13, 659., 1-17 <a href="https://doi.org/10.3390/polym13040659">https://doi.org/10.3390/polym13040659</a>	originalni znanstveni rad	<a href="https://www.mdpi.com/2073-4360/13/4/659">https://www.mdpi.com/2073-4360/13/4/659</a>
19. Lelas, K. Čelan, O., Prelogović, D. Buljan, H., Jukić, D.	2021.	Modulation instability in the nonlinear Schrödinger equation with a synthetic magnetic field: Gauge matters	Physical Review A, IF=3.14, Q1	2021., 103, 013309	originalni znanstveni rad	<a href="https://journals.aps.org/pr/abstract/10.1103/PhysRevA.103.013309">https://journals.aps.org/pr/abstract/10.1103/PhysRevA.103.013309</a>
20. Rogina-Car, B., Pavlović, Ž., Skenderi, Z.	2021.	The Effectiveness of the Microbial Barrier Knitted Homemade Facemasks	Journal of Natural Fibers IF 5.323, Q1	2021., <a href="https://doi.org/10.1080/15440478.2021.2002771">https://doi.org/10.1080/15440478.2021.2002771</a>	originalni znanstveni rad	<a href="https://www.tandfonline.com/doi/full/10.1080/15440478.2021.2002771">https://www.tandfonline.com/doi/full/10.1080/15440478.2021.2002771</a>

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<b>Autor(i)</b>	<b>Godina objave</b>	<b>Naslov rada</b>	<b>Časopis, IF, kvartil</b>	<b>Godina, Br. (Vol.): str. (od-do)</b>	<b>Vrsta rada</b>	<b>Poveznica na rad</b>
1. Grgurić, T.; Cetina, M.; Petroselli, M.; Bacchiocchi, C.; Džolić, Z.; Cametti, M.	2020.	Anion binding with biphenyl-bis-urea derivatives: solution and solid-state studies	New Journal of Chemistry, IF 3,59, Q2	2020., 44 16294-16301	originalni znanstveni rad	<a href="https://pubs.rsc.org/en/content/articlelanding/2020/NJ/D0NJ03670F">https://pubs.rsc.org/en/content/articlelanding/2020/NJ/D0NJ03670F</a>
2. Magovac E., Jordanov, I., Grunlan, J.C., Bischof, S.	2020.	Environmentally-Benign Phytic Acid-Based Multilayer Coating for Flame Retardant Cotton	Materials IF 3.623, Q2	2020., 13, 5492	originalni znanstveni rad	<a href="https://www.mdpi.com/1996-1944/13/23/5492">https://www.mdpi.com/1996-1944/13/23/5492</a>
3. Magovac, E., Vončina, B., Budimir, A., Jordanov, I., Grunlan, J.C., Bischof, S.:	2021.	Environmentally-Benign Phytic Acid-Based Nanocoating for Multifunctional Flame Retardant/Antibacterial Cotton	Fibers, IF=2.518, Q2	2021.	originalni znanstveni rad	<a href="https://www.mdpi.com/1996-1944/13/23/5492">https://www.mdpi.com/1996-1944/13/23/5492</a>
4. Ahmedova A., Pavlović G., Marinov M., Marinova P., Momekov G., Paradowska K., Yordanova, S. Stoyanov, S. Vassilev N. Stoyanov N	2021.	Synthesis and anticancer activity of Pt(II) complexes of spiro-5-substituted 2,4-dithiohydantoin	Inorganica Chimica Acta IF=2.545, Q2	2021., 528, 120605	originalni znanstveni rad	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0020169321003613?via%3DIhub">https://www.sciencedirect.com/science/article/abs/pii/S0020169321003613?via%3DIhub</a>
5. Rogale, D.; Firšt Rogale, S.; Majstorović, G.; Čubrić, G.	2021.	Thermal properties of thermal insulation chambers	Textile Research Journal IF 2.057, Q2	2021., 9- 10, (91), 953-961	originalni znanstveni rad	<a href="https://journals.sagepub.com/doi/10.1177/0040517520966718">https://journals.sagepub.com/doi/10.1177/0040517520966718</a>
6. Knezić, Ž.; Penava, Ž.; Šimić Penava, D.; Rogale, D.	2021.	The Impact of Elongation on Change in Electrical Resistance of Electrically Conductive Yarns Woven into Fabric	Materials IF 3.623, Q2	2021., 14 (12) 3390 (1-18)	originalni znanstveni rad	<a href="https://www.mdpi.com/1996-1944/14/12/3390">https://www.mdpi.com/1996-1944/14/12/3390</a>

7. Brlek, I., Ludaš, A., Sutlović, A.	2021.	Synthesis and Spectrophotometric Analysis of Microcapsules Containing Immortelle Essential Oil	Molecules IF 4.412, Q2	2021., 8 (26) 1-9	originalni znanstveni rad	<a href="https://www.mdpi.com/1420-3049/26/8/2390">https://www.mdpi.com/1420-3049/26/8/2390</a>
8. Kovačević, Z., Sutlović, A., Matin, A., Bischof, S.	2021.	Natural dyeing of cellulose and protein fibres with the flower extract of Spartium junceum L. plant	Materials IF 3.623, Q2	2021., 15 (14) 1-18	originalni znanstveni rad	<a href="https://www.mdpi.com/1996-1944/14/15/4091">https://www.mdpi.com/1996-1944/14/15/4091</a>
9. Sutlović, A., Glogar, M. I., Čorak, I., Tarbuk, A.	2021.	Trichromatic Vat Dyeing of Cationized Cotton	Materials IF 3.623, Q2	2021., 19 (14) 1-17	originalni znanstveni rad	<a href="https://www.mdpi.com/1996-1944/14/19/5731">https://www.mdpi.com/1996-1944/14/19/5731</a>
10. Grancarić, A.M.; Tarbuk, A.; Sutlović, A.; Castellano, A.; Colleoni, C.; Rosace, G.; Plutino, M.R.	2021.	Enhancement of Acid Dyestuff Salt-Free Fixation by a Cationizing Sol-Gel Based Coating for Cotton Fabric	Colloids and surfaces A, Physicochemical and engineering aspects, IF 4.539, Q2	2021., 612; 125984, 1- 11	originalni znanstveni rad	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0927775720315776?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S0927775720315776?via%3Dihub</a>
11. Čubrić G., Salopek Čubrić I., Rogale, D., Firšt Rogale S.	2021.	Mechanical and Thermal Properties of Polyurethane Materials and Inflated Insulation Chambers	Materials IF 3.623, Q2	2021., 14, 6, 1541	originalni znanstveni rad	<a href="https://www.mdpi.com/1996-1944/14/6/1541">https://www.mdpi.com/1996-1944/14/6/1541</a>
12. Dekanić, T., Pušić, T., Soljačić, I., Vojnović, B., Volmajer Valh, J.	2021.	The Influence of Iron Ions on Optical Brighteners and Their Application to Cotton Fabrics	Materials IF 3.623, Q2	2021.,14 17, 4995	originalni znanstveni rad	<a href="https://www.mdpi.com/1996-1944/14/17/4995">https://www.mdpi.com/1996-1944/14/17/4995</a>
13. Racáné, L.; Zlatar, I.; Perin, N.; Cindrić, M.; Radovanović, V.; Banjanac, M.; Shanmugam, S.; Radić Stojković, M.; Brajša, K.; Hranjec, M	2021.	Biological Activity of Newly Synthesized Benzimidazole and Benzothiazole 2,5- Disubstituted Furane Derivatives	Molecules IF=4.412, Q2	2021. 26, 4935-4956	originalni znanstveni rad	<a href="https://www.mdpi.com/1420-3049/26/16/4935">https://www.mdpi.com/1420-3049/26/16/4935</a>

14. Pušić, T.; Šaravanja, B.; Malarić, K.	2021.	Electromagnetic Shielding Properties of Knitted Fabric Made from Polyamide Threads Coated with Silver	Materials IF 3.623, Q2	2021. 14, 821-833	originalni znanstveni rad	<a href="https://www.mdpi.com/1996-1944/14/5/1281">https://www.mdpi.com/1996-1944/14/5/1281</a>
15. Penava, Ž.; Šimić Penava, D.; Lozo, M.	2021.	Experimental and analytical analyses of the knitted fabric off- axes tensile test	Textile Research Journal IF 2.057, Q2	2021., 1-2 91, 62-72	originalni znanstveni rad	<a href="https://journals.sagepub.com/doi/10.1177/0040517520933701">https://journals.sagepub.com/doi/10.1177/0040517520933701</a>
16. Ćurković, P.; Čubrić, G.	2021.	Fused Deposition Modelling for 3D Printing of Soft Anthropomorphic Actuators	International journal of simulation modelling IF=3.225, Q2	2021. 20, 2; 303-314	originalni znanstveni rad	<a href="http://www.ijmm.com/Full_Papers/Fulltext2021/text20-2_560.pdf">http://www.ijmm.com/Full_Papers/Fulltext2021/text20-2_560.pdf</a>