

Popis radova objavljenih u akad. god. 2023./2024. u časopisima indeksiranim u WoSCC (Web of Science Core Collection) i/ili Scopus bazi u prvom kvartilu (Q1) prema klasifikaciji u pripadnim kategorijama Journal Citation Report (JCR) temeljenim na bazi Web of Science Core Collection i/ili Scimago Journal & Country Rank (SJR) temeljenim na bazi Scopus

Red. br.	Autor(i)	Godina objave	Naslov rada	Časopis, IF, kvartil JCR (SJR)	Br. (Vol): str. (od – do)	Vrsta rada*	Mrežna poveznica CRORIS baza / mrežna poveznica izdavača s podacima o radu*****
2024							
Q1							
1.	Beč, A.; Persoons, L.; Daelemans, D.; Starčević, K.; Vianello, R.; Hranjec, M.	2024	Biological activity and computational analysis of novel acrylonitrile derived benzazoles as potent antiproliferative agents for pancreatic adenocarcinoma with antioxidative properties	Bioorganic chemistry IF 4.5, Q1 (Q1)	147: 107326, 16	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/827821/ https://pubmed.ncbi.nlm.nih.gov/38653153/
2.	Čorak, I.; Tarbuk, A.; Flinčec Grgac, S.; Dekanić, T.	2024	Bio-Innovative Modification of Poly(Ethylene Terephthalate) Fabric Using Enzymes and Chitosan	Polymers, IF 4.7, Q1 (Q1)	16(17), 2532	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/844693/
3.	Fras Zemljič, L.; Čolnik, M.; Fakin, D.; Pušić, T.; Bračko, V.; Kraševac Glaser, T.; Škerget, M.	2024	Eco friendly functional finishes of polyester fabric using keratin from wool and feather wastes	Progress in organic coatings, IF 6.5, Q1 (Q1)	194 (9): 108616	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/842953/
4.	Ivanovska, A.; Milošević, M.; Lađarević, J.; Tarbuk, A.; Svirčev, Z.; Kostić, M.	2024	The impact of sodium periodate oxidation and alginate coating on the capillarity of jute fabric	Journal of engineered fibers and fabrics, IF 2.2, Q1 (Q3)	19: 1558925024 1246071, 10	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/843441/
5.	Kalazić, A.; Brnada, S.; Bušac, T.; Pušić, T.	2024	Quantitative Analysis of the Impact of Finishing and Washing Processes on the Roughness of Polyester Fabric	Polymers, IF 4.7, Q1 (Q1)	16(15), 2199	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/843047/
6.	Kopitar, D.; Marasović, P.	2024	Degradation of Biodegradable Nonwoven Mulches in the Winter Period	Polymers, IF 4.7, Q1 (Q1)	16(16), 2279	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/843516/

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7.	Kopitar, D.; Marasović, P.; Vrsaljko, D.	2024	Impact of Polylactic Acid Fibers in Cellulose Nonwoven Mulch Blends on Biodegradability and Performance—An Open Field Study	Polymers, IF 4.7, Q1 (Q1)	16(2), 222	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/817013/ https://doi.org/10.3390/polym16020222
8.	Krulić Himmelreich, K.; Pečarić, J.; Pokaz, D.; Praljak, M.	2024	Generalizations of Hardy-type inequalities by Hermite interpolating polynomial	Journal of Mathematical Inequalities, IF 1.1, Q1 (Q3)	18(2): 443 – 455.	Izvorni znanstveni rad	https://files.ele-math.com/articles/mi-18-24.pdf https://www.croris.hr/crosbi/publikacija/prilog-casopis/842617
9.	Kurpanik, R.; Kolesińska, B.; Lechowska – Liszka, A.; Sokołowski, K.; Ścisłowska – Czarnecka, A.; Tarbuk, A.; Zielińska, R.; Zych, Ł.; Stodolak – Zych, E.	2024	Preparation and characterization of peptide-modified core-shell fibrous substrates with UV-blocking properties for corneal regeneration applications	Materials & Design, IF 7.6, Q1 (Q1)	245: 113285	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/843440
10.	Lelas, K.; Nakić, I.	2024	Optimal damping of vibrating systems: Dependence on initial conditions	Journal of sound and vibration, IF 4.3, Q1 (Q1)	576:118303	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/818212

11.	Ludaš Dujmić, A., Radičić, R., Ercegović Ražić, S., Cingesar, I. K., Glogar, M., Jurov, A., Krstulović, N.	2024	Characterization of Melt-Spun Recycled PA 6 Polymer by Adding ZnO Nanoparticles during the Extrusion Process	Polymers, IF 4.7, Q1 (Q1)	16 (13), 1 – 13	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/836406
12.	Marasović, P.; Kopitar, D.; Permin – Volf, T.; Andreatta – Koren, M.	2024	Effect of Biodegradable Nonwoven Mulches from Natural and Renewable Sources on Lettuce Cultivation	Polymers, IF 4.7, Q1 (Q1)	16 (7), 1014	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/826666 / https://doi.org/10.3390/polym16071014
13.	Petrov, A.; Salopek Čubrić, I.; Čubrić, G.	2024	Influence of Aging on the Physical Properties of Knitted Polymeric Materials	Polymers, IF 4.7, Q1 (Q1)	16(4), 513	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/820005 / https://www.mdpi.com/2073-4360/16/4/513
14.	Pušić, T.; Bušac, T.; Volmajer Valh, J.	2024	Influence of Cross-Linkers on the Wash Resistance of Chitosan-Functionalized Polyester Fabrics	Polymers, IF 4.7, Q1 (Q1)	16(16): 2365	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/842955
15.	Rezić, I.; Meštrović, E.	2024	Challenges of Green Transition in Polymer Production: Applications in Zero Energy Innovations and Hydrogen Storage	Polymers, IF 4.7, Q1 (Q1)	16(10), 1310	Pregledni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/850422 / https://doi.org/10.3390/polym16101310
16.	Rezić, I.; Somogyi Škoc, M.	2024	Computational Methodologies in Synthesis, Preparation and Application of Antimicrobial Polymers, Biomolecules, and Nanocomposites	Polymers, IF 4.7, Q1 (Q1)	16(16), 2320	Pregledni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/842114 / https://doi.org/10.3390/polym1616232
17.	Salopek Čubrić, I.; Čubrić, G.	2024	Influence of Yarn and Fabric Properties on Mechanical Behavior of Polymer Materials and	Polymers, IF 4.7, Q1 (Q1)	12: 1725, 1 – 21	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij

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18.	Somogyi Škoc, M.; Meštrović, E.; Mouthuy, P. – A.; Rezić, I.	2024	Synthesis, Characterization and Application of Advanced Antimicrobial Electrospun Polymers	Polymers, IF 4.7, Q1 (Q1)	16 (17): 2443	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/843246/ https://www.mdpi.com/2073-4360/16/17/2443
19.	Somogyi Škoc, M.; Macan, J.; Jakovljević, S.; Rezić, I.	2024	Synthesis and Characterization of ZnO and TiO ₂ Hybrid Coatings for Textile UV Anti-Aging Protection	Polymers, IF 4.7, Q1 (Q1)	16(14): 2001	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/840396/ https://www.mdpi.com/2073-4360/16/14/2001
Q2							
20.	Ahmedova, A.; Pavlović, G.; Marinov, M.; Zaharieva, J.; Stoyanov, N.	2024	Crystal structure, tautomerism and photostability of 2-(2-pyridyl)-phenalene-1,3-dione	Journal of Molecular Structure, IF 4.0, Q2 (Q2)	1303, 137605.	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/818062/ https://doi.org/10.1016/j.molstruc.2024.137605
21.	Beč, A.; Zlatić, Z.; K.; Banjanac, M.; Radovanović, V.; Starčević, K.; Kralj, M.; Hranjec, M.	2024	Design, synthesis and biological activity of novel methoxy- and hydroxy-substituted N-benzimidazole-derived carboxamides	Molecules IF 4.2, Q2 (Q1)	29:2138, 17	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/830129/ https://www.mdpi.com/1420-3049/29/9/2138
22.	Fileš, M.; Ludaš, A.; Ercegović Ražić, S.; Hudina, S.	2024	Analysis of the Mechanical Degradability of Biodegradable Polymer-Based Bags in Different Environments	Sustainability, IF 3.3, Q2 (Q2)	16 (6), 1 – 17	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/824335/
23.	Katunarić, A.; Flinčec Grgac, S.; Gabrić, D.; Pavelić, B.; Bago, I.	2024	Effect of sodium hypochlorite and ethylenediaminetetraacetic acid activated by laser and ultrasonic energy on surface	Microscopy research and technique, IF 2.0,	87(4): 818 – 831	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-

			morphology and chemical composition of intracanal dentin	Q2 (Q2)			casopis/811787
24.	Kirin, S.; Hursa Šajatović, A.; Firšt Rogale, S.	2024	Use of MTM, RAV and ZAK Methods in Determining Working Methods and Time Norms in Technological Operations of Sewing Clothes	Processes, IF 2.8, Q2 (Q2)	12(4): 740	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/829288
25.	Kirin, S.; Kralj, D.; Hursa Šajatović, A.	2024	Using the Methods-Time Measurement Calculator to Determine the Time Norms for Technological Sewing Operations in the Clothing Industry	Processes, IF 2.8, Q2 (Q2)	12 (8): 1763 – 1777	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/843572
26.	Kovačević, Z.; Bischof, S.; Bilandzija, N.; Krička, T.	2024	Conversion of Waste Agricultural Biomass from Straw into Useful Bioproducts-Wheat Fibers and Biofuels	Sustainability, IF 3.3, Q2 (Q2)	16(1): 4739	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/833685/ https://www.mdpi.com/2071-1050/16/11/4739
27.	Kutnjak – Mravlinčić, S.; Godec, D.; Pilipović, A.; Sutlović, A.	2024	Optimization of the FDM Processing Parameters on the Compressive Properties of ABS Objects for the Production of High-Heeled Shoes	Journal of manufacturing and materials processing, IF 3.3, Q2 (Q2)	8 (3): 106 – 135	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/831860
28.	Martinaga, L.; Ludwig, R.; Rezić, I. ; Andlar, M.; Pum, D.; Vrsalović Presečki A.	2024	The application of bacteria-derived dehydrogenases and oxidases in the synthesis of gold nanoparticles	Applied Microbiology and Biotechnology, IF 3.9, Q2 (Q1)	108(1):62	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/850415/ https://doi.org/10.1007/s00253-023-12853-1
29.	Mihelić – Bogdanić, A.; Špelić, I.	2024.	Approaching Environmental Sustainability through Energy Optimization in Polyisoprene Production	Sustainability, IF 3.3, Q2 (Q2)	16 (14), 6224, 1 – 24	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/842614/ https://www.mdpi.com/2071-1050/16/14/6224
30.	Pečarić, J.; Perušić Pribanić, A.; Smoljak Kalamir, K.	2024	New generalizations of Steffensen's inequality by Lidstone's polynomial	Aequationes mathematicae, IF 0.9, Q2 (Q2)	98(1): 441 – 454	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/827018

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31.	Pušić, T.; Bušac, T.; Šimić, K.; Čurlin, M.; Šaravanja, A.; Grgić, K. Volmajer Valh, J.	2024	Sustainability-Oriented Surface Modification of Polyester Knitted Fabrics with Chitosan	Sustainability, IF 3.3, Q2 (Q2)	16(3), 1121	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/819924
32.	Rogale, D.; Firšt Rogale, S.; Knezić, Ž.; Fajt, S.; Časar Veličan, D.; Jukl, N.	2024	Process Parameters of High Frequency Welding	Materials, IF 3.1, Q2 (Q2)	17(2), 517	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/816429
33.	Rolich, T.; Domović, D.; Čubrić, G.; Salopek Čubrić, I.	2024	Advanced Image Analysis and Machine Learning Models for Accurate Cover Factor and Porosity Prediction in Knitted Fabrics: Tailored Applications in Sportswear, Swimwear, and Casual Wear	Fibers, IF 4.0, Q2 (Q2)	12 (5): 1 – 29	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/830988
34.	Schwarz, I; Rogale, D; Kovačević, S; Firšt Rogale, S.	2024	A Multifunctional Approach to Optimizing Woven Fabrics for Thermal Protective Clothing	Fibers, IF: 4.0; Q2 (Q2)	12 (4): 35, 12040035	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/826122 / https://doi.org/10.3390/fib12040035
35.	Somogyi Škoc, M.; Juran, J.; Rezić, I.	2024	Effect of Sterilization Methods on Chemical and Physical-Mechanical Properties of Cotton Compresses	Molecules IF 4.2, Q2 (Q1)	29(15): 3541	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/841056 / https://doi.org/10.3390/molecules29153541
36.	Somogyi Škoc, M.; Stevelić, N.; Rezić, I.	2024	Development and Characterization of Sustainable Coatings on Cellulose Fabric and Nonwoven for Medical Applications	Sustainability, IF 3.3, Q2 (Q2)	16(2): 857	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij/a/prilog-casopis/816578 / https://www.mdpi.com/2071-1050/16/2/857
37.	Šabarić, I.; Sutlović, A.; Filipčić, J.; Karin, F.	2024	Contribution of Plant Transfer Printing to Sustainable Fashion	Sustainability, IF 3.3, Q2 (Q2)	16(11), 4361	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacij

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38.	Vojnović, B.; Mihovilović, P.; Dimitrov, N.	2024	Approaches for Sampling and Sample Preparation for Microplastic Analysis in Laundry Effluents	Sustainability, IF 3.3, Q2 (Q2)	16 (8), 3401	Pregledni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/826906/ https://www.mdpi.com/2071-1050/16/8/3401
39.	Tomljenović, A.; Živičnjak, J.; Skenderi, Z.	2024	Wearing Quality of Ribbed Knits Made from Viscose and Lyocell Fibers for Underwear	Fibers, IF: 4.0; Q2 (Q2)	12(10), 83, 20	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/848015
40.	Tomljenović, A.; Živičnjak, J.; Skenderi, Z.	2024	Quality Assessment of Socks Produced from Viscose and Lyocell Fibers	Materials, IF 3.1, Q2 (Q2)	17(7), 1559: 22	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/825022
2023							
Q1							
41.	Katić Križmančić, I. Salopek Čubrić, I.; Potočić Matković, V.M.; Čubrić, G.	2023	Changes in Mechanical Properties of Fabrics Made of Standard and Recycled Polyester Yarns Due to Aging	Polymers, IF 4.7, Q1 (Q1)	15(23), 4511, 1 – 16	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/808493
42.	Marasović, P.; Kopitar, D.; Brunšek, R.; Schwarz, I.	2023	Performance and Degradation of Nonwoven Mulches Made of Natural Fibres and PLA Polymer—Open Field Study	Polymers, IF 4.7, Q1 (Q1)	15(22), 4447	Izvorni znanstveni rad	https://doi.org/10.3390/polym15224447
43.	Pečarić, J.; Perušić Pribanić, A.; Smoljak Kalamir, K.	2023	Weighted Hermite-Hadamard-type inequalities for generalizations of Steffensen's inequality via the extension of Montgomery identity	Applicable Analysis and Discrete Mathematics, IF 1.0, Q1 (Q2)	17(2): 432 – 445	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/827017/ https://pefmath.etf.bg.ac.rs/
Q2							
44.	Kovačević, Z.; Strgačić, S.; Bischof, S.	2023	Barley Straw Fiber Extraction in the Context of a Circular Economy	Fibers, IF 4.0, Q2 (Q2)	108 (11): 1 – 23	Izvorni znanstveni rad	https://www.croris.hr/crosbi/publikacija/prilog-casopis/815594 https://www.mdpi.com/2079-

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45.	Palčić, A.; Flinčec Grgac, S.; Brnada, S.	2023	Sustainable Aspects of Multiple-Use Woven Fabric in the Hospital Environment: Comfort and Textile Dust Generation Perspectives	Sustainability, IF 3.3, Q2 (Q2)	15(21), 15364	Izvorni znanstveni rad	https://www.croris. hr/crosbi/publikacij a/prilog- casopis/811764