

Прилог 5.4. Списак најзначајнијих објављених резултата у Установи за предходну календарску годину не више од 50 референци систематизован по ознакама ресорног Министарства а за поље уметности према класификацији КАПКА

Објављени научноистраживачки резултати систематизовани по ознакама МНПТР				
Р.б.	Аутори	Назив научног рада	Часопис, волумен, година, стране	М
2019				
1.	Emilija Pecev-Marinković, Ana Miletić, Snezana Tosić, Aleksandra Pavlović, Danijela Kostić, Ivana Rašić Mišić, Vidoslav Dekić	Optimization and validation of the kinetic spectrophotometric method for quantitative determination of the pesticide atrazine and its application in infant formulae and cereal-based baby food	J Sci Food Agric, 99, 2019, 5424–5431	M21a
2.	Niko S. Radulović, Marko Z. Mladenović, Nikola M. Stojanović, Pavle J. Randjelović	Structural Elucidation of Presilphiperfolane-7 α ,8 α -diol, a Bioactive Sesquiterpenoid from Pulicaria vulgaris: a Combined Approach of Solvent-induced Chemical Shifts, GIAO Calculation of Chemical Shifts, and Full Spin Analysis	JOURNAL OF NATURAL PRODUCTS, 2019, 82, 7, pp. 1874 – 1885, 10.1021/acs.jnatprod.9b00120	M21a
3.	Stojanovic Nikola M., Randjelovic Pavle J., Mladenovic Marko Z., Ilic Ivan R., Petrovic Vladimir, Stojiljkovic Nenad, Ilic Sonja, Radulovic Niko S.	Toxic essential oils, part VI: Acute oral toxicity of lemon balm (<i>Melissa officinalis</i> L.) essential oil in BALB/c mice	FOOD AND CHEMICAL TOXICOLOGY, 2019, 133, 10.1016/j.fct.2019.110794	M21a
4.	Miltojevic Ana B., Stojanovic Nikola M., Randjelovic Pavle J., Radulovic Niko S.	Distribution of methyl and isopropyl N-methylantranilates and their metabolites in organs of rats treated with these two essential-oil constituents	Food and chemical toxicology, 2019, 128, pp. 68 - 80, 10.1016/j.fct.2019.03.039	M21a
5.	Stéphane Andreani, Ayaka Uehara, Polina Blagojević, Niko Radulović, Alain Muselli, Nicolas Baldovini	Key odorants of industrially-produced <i>Helichrysum italicum</i> subsp. <i>italicum</i> essential oil	Industrial crops and products, elsevier science bv, 132, pp. 275 - 282, 2019, 10.1016/j.indcrop.2019.02.008	M21a
6.	Miljana Đorđević, Niko Radulović, Nikola Stojanović, Pavle Randjelović	Immunomodulatory activity of marine natural products: Synthesis, spectral characterization and toxicity assessment of natural and related synthetic iodinated tyramides	FOOD AND CHEMICAL TOXICOLOGY, 2019, 125, pp. 150 - 160, 10.1016/j.fct.2018.12.039, 2019.	M21a
7.	Bojana M. Zlatkovic, B. Samardzic	Multiple spatial limit sets and chaos analysis in MIMO cascade nonlinear systems	Chaos, solitons and fractals: The Interdisciplinary Journal of Nonlinear Science, and	M21a

			Nonequilibrium and Complex Phenomena, 119 (2019), pp. 86 – 93.	
8.	Petrović, M.J., Rakočević, V., Valjarević, D., Ilić, D.	A note on hybridization process applied on transformed double step size model	Numerical Algorithms, 2019.	M21a
9.	Maja Obradović, Marija Milošević	Almost sure exponential stability of the θ -Euler-Maruyama method, when $\theta \in (1/2,1)$, for neutral stochastic differential equations with time-dependent delay under nonlinear growth conditions	Calcolo (2019) 56:9.	M21a
10.	Marija Milošević	Divergence of the backward Euler method for ordinary stochastic differential equations	Numerical Algorithms 82 (2019) 1395-1407.	M21a
11.	Ma, H., Stanimirović, P.S.	Characterizations, approximation and perturbations of the core-EP inverse	Applied Mathematics and Computation, 359 (2019), pp. 404-417.	M21a
12.	Saha, T., Srivastava, S., Khare, S., Stanimirović, P.S., Petković, M.D.	An improved algorithm for basis pursuit problem and its applications	Applied Mathematics and Computation, 355 (2019), pp. 385-398.	M21a
13.	Stanimirović, P.S., Katsikis, V.N., Kolundžija, D.	Inversion and pseudoinversion of block arrowhead matrices	Applied Mathematics and Computation, 341 (2019), pp. 379-401.	M21a
14.	Stojanović, V., Petković, M.D., Deng, J.	Stability of parametric vibrations of an isolated symmetric cross-ply laminated plate	Composites Part B: Engineering, 167 (2019), pp. 631-642.	M21a
15.	Ilić, A., Bašić, M.	Path matrix and path energy of graphs	Applied Mathematics and Computation, 355 (2019), pp. 537-541.	M21a
16.	Schiller, D. V., Datry, T.,...Savić, A., et al.	Sediment Respiration Pulses in Intermittent Rivers and Ephemeral Streams	Global Biogeochemical Cycles, 2019:33(10):1251-1263.	M21a
17.	Shumilova, O., Zak, D., Datry, T., ...Savić, A., et al. 2019:25(5):1591-1611	Simulating rewetting events in intermittent rivers and ephemeral streams: A global analysis of leached nutrients and organic matter.	Global Change Biology, 2019:25(5):1591-1611	M21a
18.	Mitić Zorica, Jovanović Boris, Jovanović Snezana, Stojanović-Radić Zorica, Mihajilov-Krstev Tatjana, Jovanović Nikola, Nikolić Biljana, Marin Petar, Zlatković Bojan, Stojanović Gordana.	Essential oils of <i>Pinus halepensis</i> and <i>P. heldreichii</i> : Chemical composition, antimicrobial and insect larvicidal activity.	Industrial Crops and Products, 2019:140.	M21a

19.	Jenačković Dragana, Lakušić D Mitar, Zlatković Ivana, Jušković Marina, Ranđelović Vladimir.	Emergent wetland vegetation data recording: Does an optimal period exist?	Applied vegetation science, 2019:22(2):200-2012.	M21a
20.	Denić Marko, Sunarić Slavica, Genčić Marija, Živković Jelena, Jovanović Tatjana, Kocić Gordana, Jonović Marija	Maternal age has more pronounced effect on breast milk retinol and β -carotene content than maternal dietary pattern	Nutrition, 65, 2019, 120-125	M21
21.	Velinov N, Mitrović J, Kostić M, Radović M, Petrović M, Bojić D, Bojić A	Wood residue reuse for a synthesis of lignocellulosic biosorbent: Characterization and application for simultaneous removal of copper (II), reactive blue 19 and cyprodinil from water	Wood Science and Technology, 53(3), 2019, 619-647	M21
22.	Bondžić B.P., Džambaski Z., Kolarević A., Đorđević A., Anderluh M., Šmelcerović A	Synthesis and DNase I inhibitory properties of new benzocyclobutane-2,5-diones	Future Medicinal Chemistry 2019; 11(18): 2415-2426.	M21
23.	Nevenko Bilić, Dragoljub D. Dimitrijević, Goran S. Djordjevic, Milan Milošević, Marko Stojanović	Tachyon inflation in the holographic braneworld	Journal of Cosmology and Astroparticle Physics (2019), 034–034	M21
24.	B. Samardzic, Bojana M. Zlatkovic	Probability Calculation of Spatial Chaos Appearance in MIMO Cascade Nonlinear Systems Using Monte Carlo Method	International Journal of Bifurcation and Chaos, Vol. 29, No. 11, 1950149(2019) (11 pages)	M21
25.	Ivan Mančev, Nenad Milojević and Dževad Belkić	State-selective and total cross sections for electron capture from the K-shell of multi-electron atoms by fully stripped projectiles	Atomic Data and Nuclear Data Tables, 129-130, 2019, 101282	M21
26.	C. Hermann-Avigliano, I. A. Salinas, D. A. Rivas, B. Real, A. Mančić, C. Mejia-Cortes, A. Maluckov, and R. A. Vicencio	Spatial rogue waves in photorefractive SBN crystals	Optics Letters 44, (2019), 2807	M21
27.	Dijana Mosić and Milica Z. Kolundžija	Weighted CMP inverse of an operator between Hilbert spaces	Revista de La Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas 113(3) (2019), 2155-2173.	M21
28.	Tingting Li, Jianlong Chen and Dijana Mosić	The core inverses of differences and products of projections in rings with involution	Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas 113(4) (2019), 3283-3296.	M21

29.	Daochang Zhang, Dijana Mosić and Tin-Yau Tam	On the existence of group inverses of Peirce corner matrices	Linear Algebra Appl. 582 (2019), 482-498.	M21
30.	B. V. Popović, M. M. Ristić, A. I. Genç	Dependence Properties of Multivariate Distributions with Proportional Hazard Rate Marginals	Applied Mathematical Modelling, Accepted for publication, DOI: 10.1016/j.apm.2019.07.030.	M21
31.	Alqahtani, B., Fulga, A., Karapınar, E., Rakočević, V.	Correction to: Contractions with rational inequalities in the extended b-metric space (Journal of Inequalities and Applications, (2019), 2019, 1, (220), 10.1186/s13660-019-2176-6)	Journal of Inequalities and Applications, 2019 (1), art. no. 229,	M21
32.	Alqahtani, B., Fulga, A., Karapınar, E., Rakočević, V.	Contractions with rational inequalities in the extended b-metric space	Journal of Inequalities and Applications, 2019 (1), art. no. 220,	M21
33.	Kostić, A., Rakočević, V., Radenović, S.	Best proximity points involving simulation functions with w - distance	Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales - Serie A: Matemáticas, 113 (2), 2019, pp. 715-727.	M21
34.	Pandey, R., Pant, R., Rakočević, V., Shukla, R.	Approximating Fixed Points of a General Class of Nonexpansive Mappings in Banach Spaces with Applications	Results in Mathematics, 74 (1), 2019, art. no. 7,	M21
35.	Alqahtani, B., Aydi, H., Karapınar, E., Rakočević, V.	A solution for Volterra fractional integral equations by hybrid contractions	Mathematics, 7 (8), 2019, art. no. 694,	M21
36.	D.S. Cvetković-Ilić	An analogue to a result of Takahashi II	Journal of Math. Anal. Appl., 479(1), 2019, 1266-1280.	M21
37.	D.S. Cvetković-Ilić, M. Kostadinov	Consistency in invertibility and Fredholmness of operator matrices	Journal of Spectral Theory, 9(2), 2019, 635-649.	M21
38.	Nenad O. Vesić, Milan Lj. Zlatanović, Ana M. Velimirović	Projective invariants for equitorsion geodesic mappings of semi-symmetric affine connection spaces	Journal of Mathematical Analysis and Applications, Volume 472, Issue 2, 15 April 2019, Pages 1571-1580.	M21
39.	Miloš Z. Petrović, Mića S. Stanković, Patrik Peška	On Conformal and Concircular Diffeomorphisms of Eisenhart's Generalized Riemannian Spaces	Mathematics, vol. 7 (2019), str. 10, 626	M21
40.	Brajević, I., Ignjatović, J.	An upgraded firefly algorithm with feasibility-based rules for constrained engineering optimization problems	Journal of Intelligent Manufacturing, 30, 6 (2019), pp. 2545 – 2574.	M21

41.	Stanimirović, P.S., Katsikis, V.N., Srivastava, S., Pappas, D.	A class of quadratically convergent iterative methods	Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales - Serie A: Matemáticas, 113 (4) (2019), pp. 3125-3146.	M21
42.	Stanimirović, P.S., Kumar, A., Katsikis, V.N.	Further efficient hyperpower iterative methods for the computation of generalized inverses $AT,S(2)$	Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales - Serie A: Matemáticas, 113 (4) (2019), pp. 3323-3339.	M21
43.	Stanimirović, P.S., Katsikis, V.N., Li, S.	Integration enhanced and noise tolerant ZNN for computing various expressions involving outerinverses	Neurocomputing, 329 (2019), pp. 129-143.	M21
44.	Ke, Y., Chen, J., Stanimirović, P.S., Ćirić, M.	Characterizations and representations of outer inverse for matrices over a ring	Linear and Multilinear Algebra. (2019). DOI: 10.1080/03081087.2019.1 590302	M21
45.	Stojanović, V., Petković, M.D., Deng, J.	Stability and vibrations of an overcritical speed moving multiple discrete oscillators along an infinite continuous structure	European Journal of Mechanics, A/Solids, 75 (2019), pp. 367-380.	M21
46.	Perić, Z.H., Nikolić, J.R., Petković, M.D.	Class of tight bounds on the Q- function with closed-form upper bound on relative error	Mathematical Methods in the Applied Sciences, 42 (6) (2019), pp. 1786- 1794.	M21
47.	Trokicić, A., Todorović, B.	Constrained spectral clustering via multi-layer graph embeddings on a grassmann manifold	International Journal of Applied Mathematics and Computer Science, 29 (1) (2019), pp. 125-137.	M21
48.	Savić, A., Dmitrović, D., Pešić, V.	Assessing environmental response of gastropod species in karst springs: what species response curves say us about niche characteristic and extinction risk?	Biodiversity and Conservation, 2019:29: 695-708	M21
49.	Pešić, V., Savić, A., Jabłońska, A., Michoński, G., Grabowski, M., Bańkowska, A., Zawal, A.	Environmental factors affecting water mite assemblages along eucrenon-hypocrenon gradients in Mediterranean karstic springs.	Experimental & applied acarology, 2019:77(4):471-486.	M21
50.	Pešić, V., Dmitrović, D., Savić, A., Milošević, Dj., Zawal, A., Vukašinović- Pešić, V., Fumetti, V. F.	Application of macroinvertebrate multimetrics as a measure of the impact of anthropogenic modification of spring habitats.	Aquatic Conservation: Marine and Freshwater Ecosystems, 2019:29(3): 341-352.	M21
51.	Stamenković Olivera, Stojković Piperac Milica, Milošević Đurađ, Buzhdygan Oksana, Petrović Ana, Jenačković	Anthropogenic pressure explains variations in the biodiversity of pond communities along	Hydrobiologia 2019: 838:65-83.	M21

	Dragana, Đurđević Aca, Čerba Dubravka, Vlaičević Barbara, Nikolić Danijela, Simić Vladica.	environmental gradients: a case study in south-eastern Serbia.		
52.	Aleksić Milena, Stanisavljević Danijela, Smiljković Marija, Vasiljević Perica, Stevanović Milena, Soković Marina, Stojković Dejan.	Pyrimethanil: Between efficient fungicide against <i>Aspergillus</i> rot on cherry tomato and cytotoxic agent on human cell lines	Annals Of Applied Biology, 2019:175(2):228-235.	M21
53.	Tošić Svetlana, Stojičić Dragana, Slavkovska Violeta, Mihajilov-Krstev Tatjana, Zlatkovic Bojan, Budimir Snezana, Uzelac Branka.	Phytochemical composition and biological activities of native and in vitro-propagated <i>Micromeria croatica</i> (Pers.) Schott (Lamiaceae).	Planta 2019:249(5):1365-1377.	M21
54.	Stojanović-Radić Zorica, Pejčić Milica, Dimitrijević Marina, Aleksić Ana, Kumar Nanjangud Anil, Salehi Bahare, Cho William, Sharifi-Rad Javad.	Piperine-A major principle of Black Pepper: A review of its bioactivity and studies.	Applied Sciences-Basel 2019:9:4270.	M21
55.	Ristić Milenko, Radulović Niko, Dekić Biljana, Dekić Vidoslav, Ristić Novica, Stojanović-Radić Zorica.	Synthesis and Spectral Characterization of Asymmetric Azines Containing a Coumarin Moiety: The Discovery of New Antimicrobial and Antioxidant Agents.	Chemistry & Biodiversity, 2019:16: e1800486	M21
56.	Szekeres, J, Borza, P, Csányi B, Graf W, Huber T, Leitner P, Milošević Dj, Erős, T.	Comparison of littoral and deep water sampling methods for assessing macroinvertebrate assemblages along the longitudinal profile of a very large river (the Danube River, Europe).	River Research and Applications, 2019:35(7):989-998.	M21
57.	Savić-Zdravković, D, Milošević, Dj, Uluer E, Duran H, Matić S, Stanić S, Jovanović, BA	Savić-Zdravković, D, Milošević, Dj, Uluer E, Duran H, Matić S, Stanić S, Jovanović, BA multiparametric approach to cerium oxide nanoparticle toxicity assessment in non-biting midges.	Environmental Toxicology and Chemistry. 2019.	M21
58.	Salehi Bahare, Stojanović-Radić Zorica, Matejić Jelena, S Sharifi-Rad Mehdi, Kumar Nanjangud Anil, Martins Natalia, Sharifi-Rad Javad.	The therapeutic potential of curcumin: A review of clinical trials.	European Journal of Medicinal Chemistry, 2019:163:527-545.	M21