Списак најзначајнијих објављених резултата установе за предходну календарску годину (систематисан по ознакама ресорног Министарства, не више од 50 референци)-**Прилог 5.4**

Број	Резултат	Ознака, према ознакама ресорног министарства за науку
1.	Radovanovic Aleksandra N ,Jovancicevic Branimir S, Radovanovic Blaga C, Mihajilov-Krstev Tatjana M , Zvezdanovic Jelena B, , *Antioxidant and antimicrobial potentials of Serbian red wines produced from international Vitis vinifera grape varieties*, JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, 92/10, (2012), 2154-2161	M21
2.	Milan Lj. Zlatanović, *New projective tensors for equitorsion geodesic mappings*, Applied Mathematics Letters, Vol. 25, No. 5, (2012), 890-897	M21
3.	A. S. Nastić, M. M. Ristić, H. S. Bakouch , *A combined geometric INAR(p) model based on negative binomial thinning*, , Mathematical and Computer Modelling, 55, (2012), 1665-1672	M21
4.	A. Stamenković, M. Ćirić, *Construction of fuzzy automata from fuzzy regular expressions*, Fuzzy Sets and Systems, 199 , (2012), 1-27	M21
5.	Biljana Samardzic, Bojana M. Zlatković, *Simulation of bifurcation and escape-time diagrams of cascade-connected nonlinear systems for rubber strip transportation*, Nonlinear Dynamics, , (2012), 1105-1113	M21
6.	D. Stevanović, *Comparing the Zagreb indices of the NEPS of graphs*, Appl. Math. Comput., 219, (2012), 1082-1086	M21
7.	D. Stevanović, M. Milanič, *Improved Inequality between Zagreb Indices of Trees*, MATCH Commun. Math. Comput. Chem., 68, (2012), 147–156	M21
8.	Dijana Mosić, Dragan S. Djordjević , *Factorization of weighted-EP elements in C*-algebras*, Applied Math. Comput., 218 (9) , (2012), 5383-5390	M21
9.	Dijana Mosić, Dragan S. Djordjević , *Representation of the generalized Drazin inverse of block matrices in Banach algebras*, Applied Math. Comput. , 218, (2012), 12001–12007	M21
10.	Dijana Mosić, Dragan S. Djordjević, *New characterizations of EP, generalized normal and generalized Hermitian elements in rings*, Applied Math. Comput. , 218 (12), (2012), 6702-6710	M21
11.	Dijana Mosić, Dragan S. Djordjević, *Reverse order law for the group inverse in rings*, Applied Math. Comput., 219 (5) , (2012), 2526-2534	M21
12.	Dijana Mosić, Dragan S. Djordjević, *Some results on the reverse order law in rings with involutions*, Aequationes Mathematicae, 83 (3), (2012), 271-282	M21
13.	Dijana Mosić, *Some results on the Drazin inverse of a modified matrix*, Calcolo, , (2012),	M21
14.	Eberhard Malkowsky, Vesna Veličković, *Some New Sequence Spaces, Their Duals and a Connection with Wulff's Crystal*, MATCH Commun. Math. Comput. Chem., vol. 67 no. 3, (2012), 589-607	M21
15.	Ferchaud, A.-L., Ursenbacher, S., Cheylan, M., Luiselli, L., Jelić, D., Halpern, B., Major, A., Kotenko, T., Crnobrnja-Isailovic, J., Tomović, Lj., Ghira, J., Ioannidis, Y., Arnal, V., Montgelard, C. , *From south to north: mitochondrial markers reveal an unexpected colonization route for vipers of the Vipera ursinii complex in the Palaearctic region.*, Journal of Biogeography , 39, (2012), 1836-1847	M21
16.	I. Stanimirovć, M. Tasić *Computation of generalized inverses by using the LDL* decomposition*, Applied Mathematics Letters, 25, (2012), 526-531	M21
17.	J. Ignjatović, M. Ćirić, N. Damljanović, I. Jančić, *Weakly linear systems of fuzzy*	M21

	relation inequalities: The heterogeneous case, Fuzzy Sets and Systems, 199 , (2012), 64-91	
18.	Janković Svetlana, Jovanović Miljana, Đorđević Jasmina, *Perturbed backward stochastic differential equations*, MATHEMATICAL AND COMPUTER MODELLING, 55 (5-6), (2012), 1734-1745	M21
19.	Jovanović Miljana, Krstić Marija, *Stochastically perturbed vector-borne disease models with direct transmission*, APPLIED MATHEMATICAL MODELLING, 36 (11) , (2012), 5214-5228	M21
20.	Kusano Takasi, Jelena Manojlović, *Asymptotic behavior of positive solutions of odd order Emden-Fowler type differential equations in the framework of regular variation*, Electronic Journal of Qualitative Theory of Differential Equations, 45, (2012), 1-23	M21
21.	Kusano Takasi, Jelena Manojlović, *Positive solutions of fourth order Emden-Fowler type differential equations in the framework of regular variation*, Applied Mathematics and Computation, 218, (2012), 6684-6701	M21
22.	M. Ćirić, J. Ignjatović, I. Jančić, N. Damljanović, *Computation of the greatest simulations and bisimulations between fuzzy automata*, Fuzzy Sets and Systems, 208, (2012), 22–42	M21
23.	M. Ćirić, J. Ignjatović, N. Damljanović, M. Bašić, *Bisimulations for fuzzy automata*, Fuzzy Sets and Systems, Volume 186, Issue 1, (2012), 100-139	M21
24.	M. Milošević, T. Reti, D. Stevanović, *On the Constant Difference of Zagreb Indices*, MATCH Commun. Math. Comput. Chem., 68, (2012), 157–168	M21
25.	M. Randjelovic, M. Purenovic, A. Zarubica, J. Purenovic, B.Matovic, M. Momcilovic,, *Synthesis of composite by application of mixed Fe, Mg (hydr)oxides coatings onto bentonite - A use for the removal of Pb(II) from water*, Journal of Hazardous Materials, 199-200, (2012), 367-374	M21
26.	Manojlovic Nedeljko T Rankovic Branislav R Kosanic Marijana M Vasiljevic Perica J Stanojkovic Tatjana P , *Chemical composition of three Parmelia lichens and antioxidant, antimicrobial and cytotoxic activities of some their major metabolites*, PHYTOMEDICINE, vol. 19 br. 13, (2012), str. 1166-1172	M21
27.	Manojlovic Nedeljko T Vasiljevic Perica J Maskovic Pavle Z Juskovic Marina Z Bogdanovic-Dusanovic Gordana , *Chemical Composition, Antioxidant, and Antimicrobial Activities of Lichen Umbilicaria cylindrica (L.) Delise (Umbilicariaceae)*, EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE, Article ID 452431, (2012), 8 pages	M21
28.	Manojlovic Nedeljko T Vasiljevic Perica J Maskovic Pavle Z , *Chemical composition and antioxidant activity of lichen Toninia candida*, REVISTA BRASILEIRA DE FARMACOGNOSIA-BRAZILIAN JOURNAL OF PHARMACOGNOSY, vol. 22 br. 2, (2012), str. 291-298	M21
29.	Marija S. Ćirić, Milan Lj. Zlatanović, Mića S. Stanković, Ljubica S. Velimirović , *On geodesic mappings of equidistant generalized Riemannian spaces*, Applied Mathematics and Computation , 218 , (2012), 6648-6655.	M21
30.	Marković Vidosav Lj, Jovanović Aleksandar P, Stamenković Suzana N, Popović Biljana Č, *From binomial distribution of electron occurrence to Gauss and Gauss-exponential distribution of the statistical time delay: Analytical transition and simulations*, EPL, vol. 100 No. 4, (2012), 45002-p1-p5	M21
31.	N. Radulovic, M. Dekic, P. Randjelovic, N. Stojanovic, A. Zarubica, Z. Stojanovic-Radic, *Toxic essential oils: Anxiolytic, antinociceptive and antimicrobial properties of the yarrow Achillea umbellate Sibth. et Sm. (Asteraceae) volatiles*, FOOD AND CHEMICAL TOXICOLOGY, 50, (2012), 2016-2026	M21
32.	N. Stojković, P.S. Stanimirović, D. Milojković, M.D. Petković, *On the simplex algorithm initializing,,* Abstract and Applied Analysis, 2012, (2012), Arti- cle ID 487870, 15	M21

	pages	
33.	P. Stanimirović, D. Pappas, V. Katsikis, I. Stanimirović, *Full-rank representations of outer inverses based on the QR decomposition*, Applied Mathematics and Computation, 218, (2012), 10321-10333	M21
34.	P.S. Stanimirović, D. Pappas, V.N, Katsikis, I.Š., Stanimirović, *Full-rank representations of outer inverses based on the QR decomposition*, Appl. Math. Comput., 218, (2012), 10321-10333	M21
35.	Pavlovic Tomislav M, Radonjic Ivana S, Milosavljevic Dragana D, Pantic Lana S. , *A review of concentrating solar power plants in the world and their potential use in Serbia (Review)*, RENEWABLE & SUSTAINABLE ENERGY REVIEWS, 16, (2012), 3891-3902	M21
36.	Pavlovic Voja, Djordjevic Aleksandra, Cherneva Emiliya, Yancheva Denitsa, Smelcerovic Andrija , *Stimulatory effect on rat thymocytes proliferation and antimicrobial activity of two 6-(propan-2-yl)-4-methyl-morpholine-2,5-diones*, FOOD AND CHEMICAL TOXICOLOGY, vol. 50, br. 3-4, (2012), 761-766	M21
37.	Pavlović Gorica, Janković Svetlana, *Moment exponential stability and integrability of stochastic functional differential equations*, APPLIED MATHEMATICS AND COMPUTATION, 218 (10), (2012), 6125-6134	M21
38.	Pavlović Gorica, Janković Svetlana, *Razumikhin-type theorems on general decay stability of stochastic functional differential equations with infinite delay*, JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, 236 (7), (2012), 1679-1690	M21
39.	R. Nikolić, B. Kaličanin, N. Krstić, *The release of zink, copper, lead, and cadmium from the mineral tissue of teeth under the influence of soft drinks and sour-tasting food*, Connective Tissue Research, 53(3), (2012), 229-235	M21
40.	Radulovic Niko S, Blagojevic Polina D, *The Most Frequently Encountered Volatile Contaminants of Essential Oils and Plant Extracts Introduced During the Isolation Procedure: Fast and Easy Profiling*, PHYTOCHEMICAL ANALYSIS, 23 (2), (2012), 131-142	M21
41.	Radulovic Niko S, Dekic Milan S, Randjelovic Pavle J, Stojanovic Nikola M, Zarubica Aleksandra R, Stojanovic-Radic Zorica Z, *Toxic essential oils: Anxiolytic, antinociceptive and antimicrobial properties of the yarrow Achillea umbellata Sibth. et Sm. (Asteraceae) volatiles*, FOOD AND CHEMICAL TOXICOLOGY, 50 (6), (2012), 2016-2026	M21
42.	Radulovic Niko S, Djordjevic Nevenka D, Denic Marija S, Gomes Pinheiro Mariana Martins, Fernandes Patricia Dias, Boylan Fabio, *A novel toxic alkaloid from poison hemlock (Conium maculatum L., Apiaceae): Identification, synthesis and antinociceptive activity*, FOOD AND CHEMICAL TOXICOLOGY, 50 (2), (2012), 274-279	M21
43.	Radulovic Niko S, Blagojevic Polina D , *The Most Frequently Encountered Volatile Contaminants of Essential Oils and Plant Extracts Introduced During the Isolation Procedure: Fast and Easy Profiling*, PHYTOCHEMICAL ANALYSIS, 23, (2012), 131-142	M21
44.	Radulović N., Dekić M., Ranđelović P., Stojanović, N., Zarubica, A., Stojanović-Radić Z. 2012. , *Toxic essential oils: Anxiolytic, antinociceptive and antimicrobial properties of the yarrow Achillea umbellata Sibth. et Sm. (Asteraceae) volatiles. *, Food and Chemical Toxicology, 50(6), (2012), 2016-2026	M21
45.	Rankovic Branislav R Kosanic Marijana M Stanojkovic Tatjana P Vasiljevic Perica J Manojlovic Nedeljko T , *Biological Activities of Toninia candida and Usnea barbata Together with Their Norstictic Acid and Usnic Acid Constituents*, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol. 13 br. 11, (2012), str. 14707-14722	M21
46.	Recuero, E., Canestrelli, D.,Voros, J., Szabo, K., Poyarkov, N.A., Arntzen, J.W., Crnobrnja-Isailovic, J., Kidov, A.A, Cogalniceanu, D., Caputo, F.P., Nascetti, G., Martinez-Solano, I., *Multilocus species tree analyses resolve the radiation of the widespread Bufo bufo species group (Anura, Bufonidae). *, Molecular Phylogenetics	M21

	and Evolution, 62, (2012), 71-86	
47.	Snežana Č. Živković-Zlatanović, Dragan S. Djodjević, Robin E. Harte, *Ruston, Riesz and perturbation classes* , JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 389(2), (2012), 871-886	M21
48.	Snežana S. Mitić, Mirjana V. Obradović, Milan N. Mitić, Danijela A. Kostić, Aleksandra N. Pavlović, Snežana B. Tošić, Milan D. Stojković, *Elemental Composition of Various Sour Cherry and Table Grape Cultivars Using Inductively Coupled Plasma Atomic Emission Spectrometry Method (ICP-OES)*, Food Anal. Method., 5(2), (2012), 279-286	M21
49.	Snežana S. Mitić, Mirjana V. Obradović, Milan N. Mitić, Danijela A. Kostić, Aleksandra N. Pavlović, Snežana B. Tošić, Milan D. Stojković, *Elemental Composition of Various Sour Cherry and Table Grape Cultivars Using Inductively Coupled Plasma Atomic Emission Spectrometry Method (ICP-OES)*, Food Anal. Method., 5(2), (2012), 279-286	M21
50.	Stanimirović, I., Tasić, M., *Computation of generalized inverses by using the LDL* decomposition*, Appl. Math. Lett., 25, (2012), 526 - 531	M21
51.	Svilar Ljubica, Stankov-Jovanovic Vesna P, Lesage Denis, Dossmann Heloise, Tabet Jean-Claude , *High-resolution mass spectrometry and hydrogen/deuterium exchange study of mitorubrin azaphilones and nitrogenized analogues*, JOURNAL OF MASS SPECTROMETRY, vol. 47 br. 8, (2012), 969-977	M21
52.	Svilar Ljubica, Stankov-Jovanovic Vesna P, Stadler Marc, Nedev Hristo, Tabet Jean-Claude , *Distinctive gas-phase fragmentation pathway of the mitorubramines, novel secondary metabolites from Hypoxylon fragiforme*, RAPID COMMUNICATIONS IN MASS SPECTROMETRY, vol. 26 br. 22, (2012), 2612-2618	M21
53.	Tojtovska Biljana, Svetlana Janković, *On a general decay stability of stochastic Cohen-Grossberg neural networks with time-varying delays*, APPLIED MATHEMATICS AND COMPUTATION, 219 (4) , (2012), 2289-2302	M21
54.	V. Lj. Marković, A. P. Jovanović, S. N. Stamenković and B. Č. Popović, *From binomial distribution of electron occurrence to Gauss and Gauss-exponential distribution of the statistical time delay: Analytical transition and simulations*, EPL (Europhysics Letters), Vol. 100, No 4, (2012), 45002(p1-p5)	M21