

Research papers in prestigious journals (journals with an impact factor according to Thomson Reuters or according to Scopus) supported by UKIM - 2018

N.	Author	Title of the paper	Faculty/Institute
Natural sciences			
1	D. Jadreško, D. Guziejewski, V. Mirčeski	Electrochemical Faradaic Spectroscopy, ChemElectroChem 5, 187–194 (2018). IF = 3,975	Faculty of Natural Sciences and Mathematics
2	S. Stojkovicikj, M. Najdoski, B. Sefer, V. Mirčeski	Non-enzymatic Amperometric Sensor for H ₂ O ₂ Based on MnCO ₃ Thin Film Electrodes, Croat. Chem. Acta 91(4), 567–575 (2018). IF = 0,731	Faculty of Natural Sciences and Mathematics
3	M. Bozem, P. Knapp, V. Mirčeski	Electrochemical Quantification of Extracellular Local H ₂ O ₂ Kinetics Originating from Single Cells, Antioxidants & Redox Signaling, 29, 501–517 (2018). IF = 5,828	Faculty of Natural Sciences and Mathematics
4	T. Stafilov, R. Sajn, L. Barandovski , K. Bačeva, S. Malinovska	Moss biomonitoring of atmospheric deposition study of minor and trace elements in Macedonia, Air Quality Atmosphere & Health 11(2), 137–152 (2018). IF = 2,297	Faculty of Natural Sciences and Mathematics
5	M.C. Raportaru, L. Barandovski , N. Stojanov, D. Jakimovski	Cross Sections for Electron Capture in Li ³⁺ + H(1s) Collisions in Debye Plasmas, Romanian Reports in Physics 70, Article. No. 203 (2018). IF = 1,940	Faculty of Natural Sciences and Mathematics
6	S. Nickel, W. Schröder, R. Schmalfluss, M. Saathoff, H. Harmens, G. Mils, M.V. Frontasyeva, L. Barandovski	Modelling spatial patterns of correlations between concentrations of heavy metals in mosses and atmospheric deposition in 2010 across Europe, Environmental Science Europe 30, 53 (2018). DOI: 10.1186/s12302-018-0183-8 IF = 5,878	Faculty of Natural Sciences and Mathematics
7	A. Cvetkovska, A. Pavlov, E. Jovanovska, S. Tofilovska, S. Blanco, L. Ector, F. Wagner-Cremer, Z. Levkov	Spatial patterns of diatom diversity and community structure in ancient Lake Ohrid, Hydrobiologia 819, 197–215 (2018). IF = 2,056	Faculty of Natural Sciences and Mathematics

8	B. Stelbrink, E. Jovanovska, Z. Levkov , N. Ogjanova-Rumenova, T. Wilke, C. Albrecht	Diatoms do radiate: evidence for a freshwater species flock, Journal of Evolutionary Biology 31, 1969–1975 (2018). IF = 2,541	Faculty of Natural Sciences and Mathematics
9	I. Jüttner, J.P. Kociolek, S. Gurung, A. Gurung, C. Mani Sharma, Z. Levkov , D.M. Williams, L. Ector	The genus Gomphonema (Bacillariophyta) in Rara Lake, Nepal: taxonomy, morphology, habitat distribution and description of five new species, Diatom Research 33, 1–38 (2018). IF = 1,169	Faculty of Natural Sciences and Mathematics
10	A. Cvetkovska Gjorgjievska , S. Hristovski, B. Guéorgiev, D. Prelić, K. Arsovski	Faunistic records of ground-beetles (Coleoptera:Carabidae) on Belasica Mountain, Southeastern part of the Republic of Macedonia, Acta Zoologica Bulgarica 70(2), 165–177 (2018). IF = 0,278	Faculty of Natural Sciences and Mathematics
11	A. Ribolini, M. Bini, H. Isola, M. Spagnolo, G. Zanchetta, R. Pellitero, S. Mechernich, R. Gromig, T. Dunai, B. Wagner, I. Milevski	An Oldest Dryas glacier expansion on Mount Pelister (Former Yugoslav Republic of Macedonia) according to 10Be cosmogenic dating, Journal of Geological Society (2018). IF = 3,300	Faculty of Natural Sciences and Mathematics
Engineering and technology			
1	Dimova Vesna , Jordanov I.	NOVEL APPLICATION OF TOPOLOGICAL DESCRIPTORS: QSAR STUDY OF ANTIBACTERIAL ACTIVITIES OF TRIAZOLES, Indian Journal of Chemistry 57B, 1023-1032 (2018). IF = 0.509	Faculty of Technology and Metallurgy
2	Kuvendziev Stefan , Lisichkov K., Zekovic Z., Marinkovski M., Musliu Z.	SUPERCRITICAL FLUID EXTRACTION OF FISH OIL FROM COMMON CARP (CYPRINUS CAPRIO L.) TISSUES, Journal of Supercritical Fluids 133 (1), 528-534 (2018). IF = 3.481	Faculty of Technology and Metallurgy

3	Gjoreski Hristijan , Ciliberto M., Wang L., Morales F., Mekki S., Valentin S., Roggen D.,	THE UNIVERSITY OF SUSSEX-HUAWEI LOCOMOTION AND TRANSPORTATION DATASET FOR MULTIMODAL ANALYTICS WITH MOBILE DEVICES, IEEE Access 6, 42592-42604 (2018). IF = 4.098	Faculty of Electrical Engineering and Information Technologies
4	Piltaver R., Gjoreski Hristijan , Gams M.,	IDENTIFYING A PERSON WITH DOOR-MOUNTED ACCELEROMETER, Journal of Ambient Intelligence and Smart Environments 10, 361-275 (2018). IF = 1.186	Faculty of Electrical Engineering and Information Technologies
5	Rajcic R., Todorovski Mirko	A DOUBLE-EXPONENTIAL LIGHTNING CURRENT FUNCTION SUITABLE FOR USE OF DIFFERENT SETS OF INPUT DATA, IEEE Transactions on Power Delivery, 33 (4), 2053-2055 (2018). IF = 4.415	Faculty of Electrical Engineering and Information Technologies
6	Grcev L., Kuhar A., Arnautovski-Toseva V., Markovski Blagoja	EVALUATION HIGH-FREQUENCY CIRCUIT MODEL FOR HORIZONTAL AND VERTICAL GROUNDING ELECTRODES, IEEE Transaction and Electromagnetic Compatibility, 33 (6), 3065-3074 (2018). IF = 2.274	Faculty of Electrical Engineering and Information Technologies
7	Vujcic I., Masic S., Spasevska Hristina	Dramicanin M., ACCURACY IN DETERMINING ABSORBED IRRADIATION DOSE AT DIFFERENT TEMPERATURE MEASUREMENTS USING ETHANOL-CHLOROBENZENE OSCILLOTITRATOR SYSTEM, Nuclear Technology & Radiation Protection, 33 (4), 363-368 (2018). IF = 0.614	Faculty of Electrical Engineering and Information Technologies
8	Denkovska M., Denkovski M., Atanasovski Vladimir , Gavrilovska L.	POWER OPTIMIZATION OF LTE-00 AND COEXISTENCE WITH DVB-T SERVICES, Physical Communication, 29, 12-21 (2018). IF = 1.451	Faculty of Electrical Engineering and Information Technologies
9	Szaszak G., Tundik M., Gerazov Branislav	PROSODIC STRESS DETECTION FOR FIXED STRESS LANGUAGES USING FORMAL ATOM DECOMPOSITION AND A STATISTICAL HIDDEN MARKOV HYBRID, Speech Communication, 102, 14-26 (2018). IF = 1,585	Faculty of Electrical Engineering and Information Technologies

10	Stojanovski D., Strezovski Gj, Madjarov Gjorgji , Dimitrovski I., Chorbev I.	DEEP NEURAL NETWORK ARCHITECTURE FOR SENTIMENT ANALYSIS AND EMOTION IDENTIFICATION OF TWITTER MESSAGES, Multimedia Tools and Applications 77 (24), 32213–32242 (2018). IF = 2.101	Faculty of Computer Science and Engineering
11	Gusev M. , Dustdar S.	GOING BACK TO THE ROOTS- THE EVOLUTION OF EDGE COMPUTING, AN IOT PERSPECTIVE, IEEE Internet Computing 22 (2), 5-15 (2018). IF = 2.891	Faculty of Computer Science and Engineering
12	Atanasovski B., Bogdanovic M., Velinov Goran , Stoimenov L., Dimovski A., Koteska B., Jankovic D., Skrceska I., Kon- Popovska M., Jakimovski B.	ON DEFENDING A MODEL DRIVEN ARCHITECTURE FOR AN ENTERPRISE E-HEALTH SYSTEM, Enterprise Information Systems 12 (8-9), 915-941 (2018). IF = 2.122	Faculty of Computer Science and Engineering
13	Polenakovik Radmil , Stankovska I., Jovanovski B., Gecevska V., Sutevski D., Velkovski T.,	INNOVATIVENESS IN MACEDONIAN COMPANIES: EVIDENCE FROM THE COMMUNITY INNOVATION SURVEY, Technical Gazette 25 (3), 910-915 (2018). IF = 0.64	Faculty of Mechanical Engineering
14	Mladenovska D., Lazarevska Ana , Bimbiloska Lekoska I.	THE ROLE AND INDEPENDENCE OF ECONOMIC INDICATORS IN OPTIMAL NATURAL GAS SUPPLY IN MACEDONIA AS A TRANSITIONAL ECONOMY, TEM Journal – Technology Education Management Informatics 7 (1), 86–96 (2018). IF = 0.52	Faculty of Mechanical Engineering
15	Filkovski Risto , Petrovski I., Gjurchinovski Z.	Energy Optimisation of Vertical Shaft Kiln Operation in the process of dolomite calcination, Thermal Science 22 (5), 2123-2135 (2018). IF = 1.541	Faculty of Mechanical Engineering
16	Krasniqi Alidema D., Filkoski Risto , Krasniqi M.	Energy Efficiency Analysis of Lignite-Fired Steam Generator, Thermal Science 22 (5), 2087-2101 (2018). IF = 1.541	Faculty of Mechanical Engineering

Medical and health sciences			
1	Matveeva, N. , Popovska, L., Evrosimovska, B., Chadikovska, E., Nikolovska, J.,	2018. Morphological alterations in the position of the mandibular foramen in dentate and edentate mandibles. <i>Anat. Sci. Int.</i> 93(3), 340-350. doi: 10.1007/s12565-017-0423-9. IF=1,566	Faculty of Medicine
2	Bosilkovski, M. , Stojanov, A., Stevanovic, M., Karadzovski, Z., Krstevski, K.	2018. Impact of measures to control brucellosis on disease characteristics in humans: experience from an endemic region in the Balkans. <i>Infect. Dis.</i> 50(5), 340-345. doi: 10.1080/23744235.2017.1407037. IF-2,191	Faculty of Medicine
3	Nadzinski, G., Dobrevski, M., Anderson, C., McClintock, P.V.E., Stefanovska, A., Stankovski, M., Stankovski, T.	2018. Experimental Realization of the Coupling Function Secure Communications Protocol and Analysis of Its Noise Robustness. <i>IEEE Transactions on Information Forensics and Security</i> 13(10), 2591-2601. IF=6,21	Faculty of Medicine
4	Wilke, A., Bollmann, U., Cazzaniga, S., Hübner, A., John, S.M., Karadzinska-Bislimovska, J., Mijakoski, D., Šimić, D., Simon, D., Sonsmann, F., Stoleski, S. , Weinert, P., Wulfhorst, B.	2018. The implementation of knowledge dissemination in the prevention of occupational skin diseases. <i>Eur. Acad. Dermatol. Venereol.</i> 32(3), 449-458. doi: 10.1111/jdv.14653. IF=5,113	Faculty of Medicine
5	Martinez, G.S., Spadaro, J.V., Chapizanis. D., Kendrovski. V., Kochubovski, M. , Mudu, P.	2018. Health Impacts and Economic Costs of Air Pollution in the Metropolitan Area of Skopje. <i>Int. J. Environ. Res. Public Health</i> 15(4). pii: E626, 1-11. doi: 10.3390/ijerph15040626. IF= 2,468	Faculty of Medicine

6	<p>Tofte, N., Lindhardt, M., Adamova, K., Beige, J., Beulens, J.W., Birkenfeld, A.L., Currie, G., Delles, C., Dimos, I., Francová, L., Frimodt-Møller, M., Girman, P., Göke, R., Havrdova, T., Kooy, A., Mischak, H., Navis, G., Nijpels, G., Noutsou, M., Ortiz, A., Parvanova, A., Persson, F., Ruggenenti, P.L., Rutters, F., Rychlík, I., Spasovski, G., Speeckaert, M., Trillini, M., von der Leyen, H., Rossing, P.</p>	<p>2018. Characteristics of high- and low-risk individuals in the PRIORITY study: urinary proteomics and mineralocorticoid receptor antagonism for prevention of diabetic nephropathy in Type 2 diabetes. <i>Diabet Med.</i> 35(10), 1375-1382. doi: 10.1111/dme.13669. IF=3.107</p>	<p>Faculty of Medicine</p>
7	<p>Figurek, A., Spasovski, G.</p>	<p>2018. Is serum sclerostin a marker of atherosclerosis in patients with chronic kidney disease-mineral and bone disorder? <i>Int. Urol. Nephrol.</i> 50(10), 1863-1870. doi: 10.1007/s11255-018-1935-5. IF=1,596</p>	<p>Faculty of Medicine</p>
8	<p>Markoska, K., Pejchinovski, M., Pontillo, C., Zürgbig, P., Jacobs, L., Smith, A., Masin-Spasovska, J., Stojceva-Taneva, O., Polenakovic, M., Magni, F., Mischak, H., Spasovski, G.</p>	<p>2018. Urinary peptide biomarker panel associated with an improvement in estimated glomerular filtration rate in chronic kidney disease patients. <i>Nephrol Dial. Transplant.</i> 33(5), 751-759. doi: 10.1093/ndt/gfx263. IF=4,198</p>	<p>Faculty of Medicine</p>

Agricultural and veterinary sciences			
1	Konstantin Bahcevandziev, Nikola Mihajlovski.	Dimensional Stability and Water Absorption of Spruce Wood (Picea Abies Karst.) Impregnated and Coated with Polyurethane and Acrylic Coatings, Drvna Industrija, vol.69(2), 135-140, Zagreb (2018) IF=0,776	Faculty of Design and Technologies of Furniture and Interior
2	Francesco Maria Sabatini, Sabina Burrascano, William S. Keeton, Christian Levers, Marcus Lindner, Florian Pötzschner, Pieter Johannes Verkerk, Jürgen Bauhus, Erik Buchwald, Oleh Chaskovsky, Nicolas Debaive, Ferenc Horváth, Matteo Garbarino, Nikolaos Grigoriadis, Fabio Lombardi, Inês Marques Duarte, Peter Meyer, Rein Midteng, Stjepan Mikac, Martin Mikoláš, Renzo Motta, Gintautas Mozgeris, Leónia Nunes, Momchil Panayotov, Peter Ódor, Alejandro Ruete, Bojan Simovski , Jonas Stillhard, Miroslav Svoboda, Jerzy Szwagrzyk, Olli-Pekka Tikkanen, Roman Volosyanchuk, Tomas Vrska, Tzvetan Zlatanov, Tobias Kuemmerle.	Where are Europe's last primary forests? Diversity and Distribution, vol.24, Issue 10, 1426-1439, UK IF=4,092	Hans Em Faculty of Forest Sciences, Landscape Architecture and Environmental Engineering

3	<p>Liviu Nichiforel, Kevin Keary, Philippe Deuffic, Gerhard Weiss, Bo Jellesmark, Thorsen Georg Winke, Mersudin Avdibegović, Zuzana Dobšinská, Diana Feliciano, Paola Gatto, Elena Gorriz Mifsud, Marjanke Hoogstra-Klein, Michal Hrib, Teppo Hujala, Laszlo Jager, Vilém Jarský, Krzysztof Jodłowski, Anna Lawrence, Diana Lukmine, Špela Pezdevšek Malovrh, Jelena Nedeljković, Dragan Nonić, Silvija Krajter Ostoić, Klaus Pukall, Jacques Rondeux, Theano Samara, Zuzana Sarvašová, Ramona Elena Scriban, Rita Šilingienė, Milan Sinko, Makedonka Stojanovska, Vladimir Stojanovski, Nickola Stoyanov, Meelis Teder, Birger Vennesland, Lelde Vilkriste, Erik Wilhelmsson, Jerylee Wilkes-Allemann, Laura Bouriaud.</p>	<p>How private are Europe's private forests? A comparative property rights analysis. Volume 76, p. 535-552, 2018 IF=3,573</p>	<p>Hans Em Faculty of Forest Sciences, Landscape Architecture and Environmental Engineering</p>
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4	Ruth Mitchell, Savely Chitanava, Roman Dbar, Volodymyr Kramarets, Asko Lehtijärvi, Izolda Matchutadze, Giorgi Mamadashvili, Iryna Matsiakh, Saidou Nacambo, Irena Papazova-Anakieva , Shiroma Sathyapala, Boris Tuniyev, Gábor Vétek, Marine Zukhbaia, Marc Kenis.	Identifying the ecological and societal consequences of a decline in Buxus forests in Europe and the Caucasus, Volume 20, Issue 12, pp 3605–3620, 2018 IF=2,897	Hans Em Faculty of Forest Sciences, Landscape Architecture and Environmental Engineering
5	Valerij Pažin, Dean Jankuloski , Lidija Kozačinski, Vesna Dobranić, Bela Njari, Željka Cvrtila, José Manuel Lorenzo and Nevijo Zdolec.	Tracing of Listeria monocytogenes Contamination Routes in Fermented Sausage Production Chain by Pulsed-Field Gel Electrophoresis Typing, Foods, Vol.7, p.198, 2018 IF=3,011	Faculty of Veterinary Medicine
6	Martin Morovic, Olga Østrup, Frantisek Strejcek, Michal Benc, Matej Murin, Katarina Jedlickova, Alexandra Bartkova, Andrea Lucas-Hahn, Lazo Pendovski , Jozef Laurincik.	Maternally inherited rRNA triggers de novo nucleolus formation in porcine embryos, vol.26, issue 5, pp 395-402, 2018 IF=1,278	Faculty of Veterinary Medicine
7	Svetlana Trifunović, Milica Manojlović-Stojanoski, Nataša Nestorović, Nataša Ristić, Branka Šošić-Jurjević, Lazo Pendovski , Verica Milošević.	Histological and morphofunctional parameters of the hypothalamic–pituitary–adrenal system are sensitive to daidzein treatment in the adult rat. Acta Hystochemica, 120 (2), 129-135, 2018 IF=1,719	Faculty of Veterinary Medicine

8	V.Lj. Milošević, W.B. Severs, N.M. Ristić, M.N. Manojlović-Stojanoski, F.V. Popovska-Perčinić, B.T. Šošić-Jurjević, L.B. Pendovski , S.L. Trifunović, M.Š. Milerand V.Z. Ajdžanović,	Soy isoflavone effects on the adrenal glands of orchidectomized adult male rats: a comprehensive histological and hormonal study, vol.33, issue 8, pp 843-857, 2018 IF=1,777	Faculty of Veterinary Medicine
9	Mirjana S. Jankulovska , Ilinka Spirevska and Vesna Dimova	Investigation of Dissociation Process of Some 4-Methoxybenzaldehyde Benzoylhydrazones in Sodium Hydroxide Media by UV Spectroscopy, Letters in Organic Chemistry, 15(6): 515 - 522, 2018 IF=0,723	Faculty of Veterinary Medicine
10	Marina D. Meixner, Aleksandar Uzunov	Genotype-environment-interactions and the occurrence of honey bee diseases affect the survival of honey bee colonies – summary from a pan-European experiment, Berliner Und Munchener Tierarztliche Wochenschrift, Online first: 07.11.2018 http://vetline.de/facharchiv/158/3222 , DOI 10.2376/0005-9366-18015 IF=0,438	Faculty of Veterinary Medicine
11	A. Rustempašić, A.Dokso, E. Zečević, A.Hodžić, A.Hrković-Porobija, Z.Sarić, E.Miskoska–Milevska, Z.Popovski and M.Brka	Polymorphism of B-Lactoglobulin in pramenka sheep breed In Bosnia and Herzegovina, The Journal of Animal & Plant Sciences, 28(1), p. 337-340, 2018 IF=0,529	Faculty of Veterinary Medicine

Social sciences

1	Gontarev, S., Kalac, R., Velickovska, A. L., Shukova Stojmanovska, D. , Misovski, A., & Milenkovski, J.	(2018). Health-related physical fitness of normal, stunted and overweight children aged 6-14 years in Macedonia. <i>Nutricion Hospitalaria</i> , 35(5), 1208:1214. DOI: http://dx.doi.org/10/20960/nh.1794 IF (2018)=0.759	Faculty of Physical Education, Sport and Health
2	Gontarev, S., Kalac, R., Velickovska, A. L. , & Zivkovic, V.	Physical fitness reference standards in Macedonian children and adolescents: the MAKFIT study. <i>Nutricion Hospitalaria</i> , 35(6), 1275-1286. DOI: http://dx.doi.org/10.20960/nh.1881 IF (2018)=0.759	Faculty of Physical Education, Sport and Health
3	Pireva, A., Selimi, M., Gontarev, S. , & Georgiev, G.	(2018). Association Between Aerobic Fitness and High Blood Pressure in Adolescents in Macedonia Evidence for criterion-referenced cut-points. <i>Journal of Physical Education and Sport</i> , 18(2), 853-861. SCOPUS	Faculty of Physical Education, Sport and Health
4	Soklevska Ilievski, E., Kostovski, Ž. , Mikić, B., & Kostovska Petkovska, V.	(2018). The structure of karate representatives and competitors' psychological characteristics. <i>Sport Science</i> , (1), 23-29.	Faculty of Physical Education, Sport and Health
5	Kostovski, Ž. , Mikić, B., Niqci, V., & Shalja, S.	(2018). Blood lactate concentration in karate athletes measured twice in the pre-competitive and competitive programmed annual period. <i>Sport Science</i> , (2), 22-24.	Faculty of Physical Education, Sport and Health
6	Filipovski, V., Trpeski, P. , & Bogoev, J.	(2018). Business Cycle Synchronization of a Small Open EU-Candidate Country's Economy with the Economy. <i>PANOECONOMICUS</i> , 65(5), 609-631. IF - SSCI (2018)=0.594	Faculty of Economics

Humanities and the arts

1	Jasmina Troshanska, Vladimir Trajkovski , Filip Jurtoski, David Ross Preece	“The Impact of ASD on Macedonian Families and Their Experience of Parent Education”, Journal of Special Education and Rehabilitation (Дефектолошка теорија и практика, 2018, 3-4, 127-138). IF = 0,14	Faculty of Philosophy
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