

## Naučnoistraživački rad – dr Goran Keković

Radovi objavljeni u naučnim časopisima međunarodnog značaja – M20		
1.	Aleksandar Dikić, Ljiljana Radmilo, Željko Živanović, Goran Keković, Slobodan Sekulić, Zoran Kovačić, Ruža Radmilo. (2020) Cognitive impairment and depression after acute myocardial infarction: associations with ejection fraction and demographic characteristics. <i>Acta Neurologica Belgica</i> . <a href="https://doi.org/10.1007/s13760-020-01440-0">https://doi.org/10.1007/s13760-020-01440-0</a>	M23
2.	Keković, G., Sekulić, S., (2019) Detection of Change Points in Time Series with Moving Average Filters and Wavelet Transform: Application to EEG Signals. <i>Neurophysiology</i> 51 (1) , pp. 1-8.	M23
3.	Žarkov Marija, Stojadinović Aleksandra, Sekulić Slobodan, Barjaktarović Iva, Stojilković Olivera, Perić Stojan, Keković Goran, Drašković Biljana, Stević Zorica. Povezanost broja kopija SMN2 gena i kliničkih karakteristika bolesnika sa spinalnom mišićnom atrofijom sa homozigotnom delecijom egzona 7 gena SMN1. <i>Vojnosanitetski pregled</i> 2015, vol. 72, br. 10, str. 859-863.	M23
4.	Goran Keković, Milka Culić, Ljiljana Martać, Gordana Stojadinović, Ivan Čapo, Dušan Lalošević, Slobodan Sekulić (2010) Fractal dimension values of cerebral and cerebellar activity in rats loaded with aluminium. <i>Medical and Biological Engineering and Computing</i> 48(7) , pp. 671-667.	M22
5.	Slobodan Sekulić, Marko Ilinčić, Gordana Radeka, Aleksandra Novakov-Mikić, Svetlana Simić, Jelena Podgorac, Goran Keković (2013) Breech presentation and the cornual-fundal location of the placenta. <i>CMJ</i> 54: 198-202.	M22
5.	Tatjana Srdić-Rajić, Goran Keković, Dragomir M. Davidović and Radmila Metlas. Phosphocholine-binding antibody activities are hierarchically encoded in the sequence of the heavy-chain variable region: dominance of self-association activity in the T15 idotype. <i>INTERNATIONAL IMMUNOLOGY</i> , (2013), vol. 25 br. 6, str. 345-352	M22
6.	G.Keković, D.Raković and M.Davidović, "Kinetics of Non - Radiative Rotational Isomer Butane Transitions", <i>Acta Physica Polonica A</i> , 117(4), 775 - 777 (2009).	M23
7.	Keković, G., Raković, D., Tošić, B.,Davidović, D., Cosić, I. Quantum foundations of resonant recognition model. <i>Acta Physica Polonica A</i> 117(5) , pp. 756-759 (2010)	M23
8.	Milka Čulić, Goran Keković, Gordana Grbić, Ljiljana Martać, Marina Soković, Jelena Podgorac and Slobodan Sekulić, Wavelet and fractal analysis of rat brain activity in seizures evoked by camphor essential oil and 1,8-cineole, <i>Gen. Physiol. Biophys.</i> (2009), Special Issue, 28, 2-4.	M23
9.	Slobodan Sekulić, Damir Lukač, Miodrag Drapšin, Vesna Suknjaja, Goran Keković, Gordana Grbić and Ljiljana Martać, The righting reflex from a supine to a prone position in the guinea pig fetus. <i>Gen. Physiol. Biophys.</i> (2009), Special Issue, 28, 284-288.	M23
10.	Martac L, Grbic G, Kekovic G, Podgorac J, Culic M, Sekulic S, Laloševic D, Capo I (2010) Spectral changes of brain activity in offspring of rats exposed to aluminium during gestation and lactation. <i>Archives of Biological Sciences</i> 62(1) , pp. 9-14.	M23
11.	Kekovic G, Stojadinovic G, Martac L, Podgorac J, Sekulic S, Culic M (2010) Spectral and fractal measures of cerebellar and cerebral activity in various types of anaesthesia. <i>Acta Neurobiologiae Experimentalis</i> 70(1) , pp. 67-75.	M23
12.	Keković, G., Sekulić, S., Podgorac, J., Sakać, D., Marković, J (2012) Linear analysis of epileptic forms in the electroencephalogram. <i>Neurophysiology</i> 44 (6) , pp. 474-478.	M23
13.	Keković, G., Milovanović, B.,Davidović, D., Raković, D., Čulić, M (2012) Comparative effect of bisoprolol and losartan in the treatment of essential hypertension. <i>Journal of Research in Medical Sciences</i> 17 (11) , pp. 1027-1032.	M23
14.	G. Keković, Z. Ivić, D. Kostić, "On the neutron scattering on large polarons in quasi-one-dimensional molecular crystals", <i>EuroPhys.Lett.</i> 41(3), 285-290 (1998).	M21
15.	Sekulić, S., Božić, A., Zarkov, M.,Kekovic, G., Podgorac, J., Novakov-Mikic, A., Martac, L., Pepelcevic, N (2012) Changes in the anterior presentation in sheep fetuses due to their ventro-sacral position in the second half of gestation. <i>Philippine Journal of Veterinary Medicine</i> 49(1), pp. 51-56.	M23
16.	Sekulic, S., Podgorac, J., Kekovic, G., Žarkov, M., Kopitovic, A (2012) Significance of adequate postural control in the appearance of habitual upright bipedal locomotion. <i>Medical Hypotheses</i> 79 (5) , pp. 564-571.	M23
17.	Slobodan Sekulic, Slobodanka Komazec,Ivana Sokolovac, Anastasia Topalidou, Olga Gouni, Branka Petkovic, Ljiljana Martac, Goran Kekovic,Tatjana Redzek-Mudrinic &Ivan Capo, Inner Ear Malformations in Congenital Deafness Are Not Associated with Increased Risk of Breech Presentation. <i>Fetal and Pediatric Pathology</i> .	M23
Zbornici međunarodnih naučnih skupova – M30		

1.	G. Keković, J. Podgorac, L.Martać, G. Grbić, M. Ćulić, S. Sekulić, "Nonlinear properties of cerebellar electrocortical activity in anesthesia", Second International Symposium, Coma and Consciousness, Clinical, Societal and Ethical Implications, 4 – 5 June 2009, Berlin	M34
2.	Ćulić M, Keković G, Ljiljana Martać Lj, Gordana G, Sekulic S. Cerebellar role in brain injury and epilepsy: linear and nonlinear analysis of electrocortical activity. MCC2009, From Basic Motor Control To Functional Recovery, 05-08 September 2009, Varna.	M34
3.	Podgorac J, Stojadinovic G, Culic M, Martac L, Kekovic G and Sekulic S (2010). Cerebellar electric activity in anaesthesia and in chronic mild stress. Conference Abstract: NeuroMath COST Action BM0601: Neurodynamic insight into functional connectivity, cognition, and consciousness. doi: 10.3389/conf.fnins.2010.05.00033	M34
4.	Goran Keković, Branislav Milovanović, Dragomir Davidović, Dejan Raković, Milka Ćulić. Analysis of heart rate variation in the treatment of hypertension. Joint Meeting: The Third International Symposium on Neurocardiology NEUROCARD 2011 and The Second International Symposium on Noninvasive Electrocardiology, October 6th – 8th, 2011, Belgrade, Serbia.	M34
5.	Branislav Milovanović, Goran Keković, Dragana Bajić, Tatjana Lončar – Turukalo, Vesna Bisenić, Dragana Tejović, Tanja Radenkov, Slavica Tufegdžić, Bojan Milovanović, Tanja Krajnović. The Genetically determination of the autonomic nervous system activity: new individualized approach in the treatment of disease. Folia Cardiologica Excerpta, 2011, tom 6, suplement A.	M34
6.	B. M. Milovanović, G. K. Keković, B. V. Bisenić, K. M. Krotin, T. D. Tejović, N. N. Ninković, S. J. Sarić, Z. I. Živanović, K. T. Krajnović, M. B. Milovanović. The genetically determination of heart rate variability and autonomic nervous system adjustment: new personal approach in the treatment of arrhythmias. 14th Congress of the International Society for Holter and Noninvasive Electrocardiology, 26-28 April 2011, Moscow, Russia.	M34
7.	Goran Keković, Branislav Milovanović, Dragomir Davidović, Dejan Raković, Milka Ćulić. HRV analysis in the treatment of hypertension with losartan. Joint Meeting: The Fourth International Symposium on Neurocardiology NEUROCARD 2012 and The Third International Symposium on Noninvasive Electrocardiology, September 27th – 29th, 2012, Belgrade, Serbia.	M34
8.	Dragan Milovanović, Mirko Ostojić, Goran Keković, Branislav Milovanović, Dejan Raković. The analysis of fractal dimension for several groups of patients with myocardial infarction. Joint Meeting: The Fourth International Symposium on Neurocardiology NEUROCARD 2012 and The Third International Symposium on Noninvasive Electrocardiology, September 27th – 29th, 2012, Belgrade, Serbia.	M34
9.	J. Podgorac, S. Sekulić, I. Čapo, Lj. Martać, G. Keković. The effect of valproic acid on neurodevelopment mice during gestation. Proceedings, 17th Multidisciplinary International Conference on Neuroscience and Biological Psychiatry "Stress ans Behaviour", ISBS Conference, St-Petersburg, Russia, May 16-19, 2012.	M34
10.	M. Ćulić, G. Keković, "Linear and nonlinear methods in EEG analysis", COST B30 Training School, << Neuroimaging and complementary techniques>> , Faculty of Biology, University of Belgrade 29 June – 6 July, 2008 Belgrade, Serbia.	M34
11.	G. Keković, G. Grbić, L. Martać, J. Podgorac, M. Soković, M. Ćulić, "The nonlinear properties of EEG signals in acute animal model of epilepsy", Proceedings of the NEUROMATH Workshop, Leuven – Heverlee, March 12-13, 2009.	M34
12.	G. Keković, D. Raković, M. Satarić, Dj. Koruga, "A model for soliton charge transport through microtubules", Proc. 2002 WSEAS Int. Conf. Nanoelectronics & Nanotechnologies, 2002, Skiathos, Greece.	M33
13.	G. Keković, D. Raković, "Face Recognition by Using Unitary Vector Spaces", Proc. NEUREL-2006, B. Reljin, S. Stanković (eds.), Faculty of Electrical Engineering & IEEE Yugoslavia Section, 2006, Belgrade, Serbia.	M33
<b>Radovi u časopisima nacionalnog značaja - M50</b>		
1.	Goran Keković, Negovan Stamenković, The Moving Average Filter of Stator Current as Alarm for Overload of Induction Motor, Vol. 4, No. 2, April 2020.	M53
2.	G. Keković, D. Raković, M. Satarić, Dj. Koruga, "A kink-soliton model of charge transport through microtubular cytoskeleton", Materials Science Forum 494, 507-512 (2005).	M53
3.	D. Raković, M. Dugić, M. Plavšić, G. Keković, I. Ćosić, D. Davidović, "Quantum decoherence and quantum-holographic information processes: from biomolecules to biosystems", Materials Science Forum 518, 485-490 (2006).	M53
4.	G. Keković, D. Raković, D. Davidović, "Relevance of Polaron/Soliton-Like Transport Mechanisms in Cascade Resonant Isomeric Transitions of 1D-Molecular Chains", Materials Science Forum 555, 119-124 (2007).	M53

5.	D. Raković, M. Dugić, J. Jeknić-Dugić, M. Plavšić, G. Keković, D. Davidović, S. Jaćimovski, J. Šetrajčić, B. Tošić, I. Cosic, L. A. Gribov. On some quantum approaches to biomolecular recognition. <i>Contemporary Materials</i> , I-1 (2010), pp. 80-86	M53
6.	Podgorac Jelena, Čapo Ivan, Sekulić Slobodan, Pepelčević Nenad, Ljiljana Martać, Goran Keković. Function of serotonin receptors and its role in the behaviour. <i>MD Medical Data</i> 2012;4(2): 167-170.	M53
7.	Keković, G., Sekulić, S., Podgorac, J., Mihaljev-Martinov, J., Gebauer-Bukurov, K (2012) The slow and infraslow oscillations of cortical neural network. <i>Neurology Psychiatry and Brain Research</i> 18 (4), pp. 175-180.	M53
8.	Keković Goran, Raković Dejan, Satarić Miljko, Koruga Đuro. A kink-soliton model of charge transport through microtubular cytoskeleton. <i>CURRENT RESEARCH IN ADVANCED MATERIALS AND PROCESSES</i> , (2005), vol. 494, str. 507-512.	M53
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