

Pavol Jozef Šafárik University in Košice

Wisdom of the Past – Knowledge of the Present – Education of the Future

**The Most Significant Scientific Papers and Monographs by
Pavol Jozef Šafárik University's Researchers Published in 2013
Listed by Faculties and Research Areas**

Faculty of Medicine

Research Area 18. Medical and Pharmacological Sciences

LUKAČÍNOVÁ, Agnesa – HUBKOVÁ, Beáta – RÁCZ, Oliver – NIŠTIAR, František:
Animal models for study of diabetes mellitus.

In: Oluwafemi O. Oguntibeju (ed.): **Diabetes Mellitus - Insights and Perspectives**.
– Rijeka, InTech, 2013. - ISBN 9789535109396. s. 229-254.

TKÁČ, Ivan:

Cardiovascular Importance of Hyperglycemia and Hypoglycemia.

Diabetes Care, 36 (suppl. 2) (2013) S267-S271.

HABALOVÁ Viera - ŽIDZIK Jozef:

PPARGC1A and PPARG genotyping : beginner's guide to genotyping with unlabeled probes.

In: **Peroxisome Proliferator – Activated Receptors (PPARs): methods and protocols**. New York: Springer Science + Business Media, 2013. ISBN 9781627031547. pp. 35-55.

Faculty of Science

Research Area 9.1. Physics

ČISÁROVÁ, Jana - MICHAUD, Frederic - MILA, Frederic - STREČKA, Jozef:
Intermediate magnetization plateaus in the spin-1/2 Ising-Heisenberg and Heisenberg models on two-dimensional triangulated lattices.
Physical Review B, 87 (2013) 054419.

PETROVAJOVÁ, Dana – JANCURA, Daniel - MIŠKOVSKÝ, Pavol – CHORVÁTH, Dušan jr., - CHORVÁTOVÁ, Alžbeta - RAGAS, Xavier - GARCIA-DIAZ, Maria - NONELL, Santi - NAĐOVÁ, Zuzana:
Monitoring of singlet oxygen luminescence and mitochondrial autofluorescence after illumination of hypericin/mitochondria complex: a time-resolved study.
Laser. Phys. Lett., 10 (2013) 075609.

ABELEV, Betty - BOMBARA, Marek - KRAVČÁKOVÁ, Adela - VRLÁKOVÁ, Janka et al:
K₀S and Lambda Production in Pb-Pb Collisions Betty at $\sqrt{s_{NN}} = 2.76$ TeV.
Physical Review Letters, 111 (2013), 222301.

Research Area 9. 2. Earth and Universe Sciences

HOCHMUTH, Zdenko:

Atlas jaskyne skalistý potok. - 1. vydanie. - Liptovský Mikuláš : Slovenská speleologická spoločnosť v Liptovskom Mikuláši, 2013. - 80 s.

MITÁŠOVÁ, Helena - BARTON, Michael - ULLAH, Isaac - HOFIERKA, Jaroslav - HARMON, Russell:
GIS-Based Soil Erosion Modeling. In:
Treatise on Geomorphology. - San Diego : Elsevier, 2013. - Vol. 3, s. 228-258.

GALLAY, Michal - LLOYD, Chris - MCKINLEY, Jennifer - BARRY, Lorraine:
Assessing modern ground survey methods and airborne laser scanning for digital terrain modelling: A case study from the Lake District, England.
Computers & Geosciences, 51(2013) 216-227.

Research Area 10. Environmental Science and Ecology

LÓŠKOVÁ, Jana - ĽUPTÁČIK, Peter - MIKLISOVÁ, Dana - KOVÁČ, Ľubomír:
The effect of clear-cutting and wildfire on soil Oribatida (Acari) in windthrown stands of the High Tatra Moun-tains (Slovakia).
European Journal of Soil Biology, 55 (2013) 131-138.

ČUCHTA, Peter - MIKLISOVÁ, Dana - KOVÁČ, Ľubomír:
The impact of disturbance and ensuing forestry practices on Collembola in monitored stands of windthrown forest in the Tatra National Park (Slovakia).
Environmental Monitoring and Assessment, 185 (6) (2013) 5085-5098.

SMRŽ, Jaroslav - KOVÁČ, Ľubomír - MIKEŠ, Jaromír – LUKEŠOVÁ, Alena:
Microwhipe scorpions (Palpigradi) feed on heterotrophic cyanobacteria in Slovak caves – A curiosity among Arachnida. - online.

PLoS ONE, 8 (1) (2013) art.no. e75989.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0075989>.

Research Area 12. Chemistry, Chemical Technology and Biotechnology

ŠKANTÁROVÁ, Lenka - ORIŇÁK, Andrej - ORIŇÁKOVÁ, Renáta - JERIGOVÁ, Monika - STUPAVSKÁ, Monika - VELIČ, Dušan:

Functional silver nanostructured surfaces applied in SERS and SIMS.

Surface and Interface Analysis, 45(8) (2013) 1266-1272.

JANOČKOVÁ, Jana - GULAŠOVÁ, Zuzana - MUSILEK, Kamil - KUČA, Kamil - KOŽURKOVÁ, Mária:

Novel cholinesterase modulators and their ability to interact with DNA.

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 115 (2013) 364-369.

MARTINKOVÁ, Miroslava - POMIKALOVÁ, Kvetoslava - GONDA, Jozef - VILKOVÁ, Mária:

A common approach to the total synthesis of L-arabino, L-ribo-C18-phytosphingosines, ent-2-epi-jaspine B and 3-epi-jaspine B from D-mannose.

Tetrahedron, 69 (38) (2013) 8228-8244.

Research Area 13. Natural Sciences

ŠEVC, Juraj - Goldberg, Danielle - van Gorp, Sebastiaan – Leerink, Marjolein - Juhás, Štefan - Juhásová, Jana - Maršala, Silvia - Hruška-Plochan, Marián - Hefferan, Michael P. - Motlik, Jan - Rypáček, František - Machova, Ludka - Kakinohana, Osamu - Santucci, Camila - Johe, Karl - Lukáčová, Nadežda - Yamada, Kazuhiko - Bui, Jack D. – Maršala, Martin:

Effective long-term immunosuppression in rats by subcutaneously implanted sustained-release tacrolimus pellet: effect on spinally grafted human neural precursors survival.

Experimental Neurology, 248 (2013) 85-99.

Košuth, Ján - Hrehorová, Denisa - Jaskolski, Mariusz - Čellárová, Eva:

Stress-induced expression and structure of the putative gene hyp-1 for hypericin biosynthesis.

Plant Cell Tissue and Organ Culture, 114 (2) (2013) 207-216.

Vranová, Eva - Coman, Diana - Gruissem, Wilhelm:

Network analysis of the MVA and MEP pathways for isoprenoid synthesis.

Annual Review of Plant Biology, 64 (2013) 665-700.

Research Area 16. Computer Sciences, Automatisation and Telecommunications

BREŠAR, Boštjan – JAKOVAC, Marko - KATRENIČ, Ján – SEMANIŠIN Gabriel – TARASENKO, Andrej:

On the Vertex k -Path Cover.

Discrete Applied Mathematics, 161 (13-14) (2013) 1943-1949.

GEFFERT, Viliam – PARDUBSKÁ, Dana:

In: RAIRO-Theoretical Factoring and Testing Primes in Small Space.

Informatics and Applications, 47 (3) (2013) 241-259.

GALČÍK, František – GASIENIEC, Leszek – LINGAS, Andrzej Lingas:

Efficient Broadcasting in Radio Networks with Long-Range Interference.

Distributed Computing, 26 (1) (2013) 59-74.

Research Area 24. Mathematics and Statistics

CECHLÁROVÁ, Katarína - DOBOŠ, Jozef - PILLÁROVÁ, Eva:

On the existence of equitable cake divisions.

Information Sciences 228 (2013) 239-245.

HUTNÍK, Ondrej:

On weighted strong type inequalities for the generalized weighted mean operator.

Archiv der Mathematik 100 (2013) 449-463.

JENDROĽ, Stanislav - VOSS, Heinz-Jürgen:

Light subgraphs of graphs embedded in the plane - A survey.

Discrete Mathematics 313 (2013) 406-421.

Faculty of Law

Research Area 7. Law and International Relations

MAZÁK, Ján – MOZER, Martin:

Adjudication by Reference to General Principles of EU law: A Second Look at the Mangold Case Law

Oxford : Hart Publishing (2013) 61 – 86.

BABČÁK, Vladimír:

Stan gospodarki i finansów publicznych na Słowacji jako państwa członkowskiego strefy euro

Białystok : Temida, 2 (2013) 53-76.

SUCHOŽA, Jozef:

Vzťah práva a ekonomiky v období krízových situácií v národnom hospodárstve (legislatívne úvahy a podnety)

Ekonomický časopis, 61 (5) (2013) 514 – 537.

Faculty of Public Administration

Research Area 6. Social and Behavioural Sciences

DRÁB, Radovan – MIHÓKOVÁ, Lucia:

Determinants of fiscal consolidation success in V4. **Financial Aspects of Recent Trends in the Global Economy.**

ASERS Publishing, Craiova, 2013, pp. 220-243.

PALÚŠ, Igor:

Obecné zastupiteľstvo v systéme miestnej samosprávy.

Studia Prawnoustrojowe, (21) (2013) 121-131.

VAĽOVSKÁ, Zlata:

Human Development and Economic Growth as Determinants of OECD Country's Competitiveness.

International Business and Economics Review. ISSN 1647-1989. No. 4 (2013), s. 112-125.

Faculty of Arts

Research Area 1. Educational Science

ŠMAJDOVÁ BÚŠOVÁ, Katarína:

Profesionálna rodina. Pedagogické a psychologické aspekty profesionálnej starostlivosti.

Equilibria, 2013. - 91 s. - ISBN 9788081430794

STAROSTA, V. I., KARDAŠ, K. O.:

Stavlennja studentiv do interaktyvnych metodiv navčannja

Visnik Čerkaskogo universytetu. Serija Pedagogični nauky, ISSN 2076-586X. - No 8(261) (2013), s. 119-125.

OROSOVÁ, Renáta, ŠMAJDOVÁ BÚŠOVÁ Katarína, KOCOVIÁ Nataša, STAROSTA, Volodymyr:

Pedagogična praktika studentiv: osnovni formi ta zavdannja (na prikladi Košickoho universitetu imeni Pavla Jozefa Šafarika, Slovenska Republika)

Visnik Čerkaskoho universitetu: Serija Pedagogični nauky, ISSN 2076-586X. - No. 26 (2013), s. 80-85.

Research Area 2. Humanities

ANDRIČÍK, Marián:

Preklad pod lupou.

Levoča : Modrý Peter, 2013. - 156 s. - ISBN 9788089545223

DŽAMBOVÁ, Anna:

Fónicko-funkčná charakteristika suprasegmentálnych javov. Pauza - dôraz – melódia.

Univerzita Pavla Jozefa Šafarika v Košiciach, Košice, 2013. - 136 s. - ISBN 9788081520662

THOLT, Pavol:

Patočka o vzniku matematickej prírodovedy

Filozofická fakulta Univerzity Pavla Jozefa Šafarika v Košiciach, Košice, 2013. - 224 s. - ISBN 9788081520488

Research Area 3. History and Ethnology

KAMINSKÁ, Ľubomíra - NERUDA, Petr:

Neanderthals at Bojnice in the Context of Central Europe.

Moravské zemské muzeum, Brno & Archeologický ústav SAV, Nitra, 2013. - 249 s. - ISBN 9788070284070

ŠUTAJ, Štefan:

A magyar külpolitika lépései a párizsi békekonferencia előtt - a csehszlovák diplomácia szemszögéből.

In: A Közép-Európaiság dicsérete és kritikája, Kalligram, Pozsony, 2013. - ISBN 9788081017308. - S. 613-633

ŠUTAJ, Štefan:

Problematika etnických menšín v kontexte historického vývoja v rokoch 1989 – 1993.

In: 20 rokov samostatnej Slovenskej republiky : jedinečnosť a diskontinuita historického vývoja. Veda, Bratislava 2013. - ISBN 9788022413138. - S. 239-262.

Research Area 6. Social and Behavioural Sciences

BIRKNEROVÁ, Zuzana – VÁVROVÁ, Soňa a kol.:

Vybrané sociální jevy v kulturních souvislostech

Hnutí R, Praha, 2013. - 158 s. -ISBN 9788086798417 (viaz.).

GAJDOŠOVÁ, Beáta:

Päťfaktorový model osobnosti a správanie súvisiace so zdravím u dospievajúcich.

Univerzita Pavla Jozefa Šafárika v Košiciach, Košice, 2013. 118 s., ISBN 9788081520082 (brož.).

GBÚROVÁ, Marcela:

K problematike deformácií súčasnej demokracie v stredoeurópskom priestore.

In: Demokracie? Masarykova univerzita, Brno, 2013. ISBN 9788021064874. S. 11-43.

Institute of Physical Education and Sport

Research Area 21. Sport Sciences

FEČ, Rastislav - FEČ, Karol:

Teória a didaktika športového tréningu / [elektronický zdroj]

Univerzita Pavla Jozefa Šafárika v Košiciach, Košice, 1. vyd., 2013.

UHER, Ivan - ŠVEDOVÁ, Milena:

Long and prosperous life paradigm.

Physical Activity Review [elektronický zdroj]. 1 (2013) 38-44.

ZUSKOVÁ, Klaudia - BUKOVÁ, Alena - BAKALÁR, Peter - BRŤKOVÁ, Mirianna -
VOJTAŠKO, Ľuboš - HANČOVÁ, Martina:

Overweight in relation to motor activity and stress level of university students.

Kultura fizyczna, XII (2) (2013) 203-215.