

## Publikácie / Publications

**Department: SAVGEOF - Geofyzikálny ústav SAV**  
**Year of publication 2012~2015**

### Statistics publication category

AAA	Scientific monographs published abroad	1
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<b>Count</b>		<b>353</b>

### AAA Scientific monographs published abroad

- AAA01 MOCZO, Peter - KRISTEK, Jozef - GÁLIS, Martin. *The finite-difference modelling of earthquake motions: waves and ruptures*. Cambridge : Cambridge University Press, 2014. 365 p. ISBN 978-1-107-02881-4.

### AAB Scientific monographs published in Slovak publishing houses

- AAB01 AUBRECHT, Roman - BARRIO-AMORÓS, César Luis - BREURE, Abraham - BREWER-CARÍAS, Charles - DERKA, Tomáš - FUENTES-RAMOS, Oswaldo A. - GREGOR, Miloš - KODADA, Ján - KOVÁČIK, Ľubomír - LÁNCZOS, Tomáš - LEE, Natuschka M. - LIŠČÁK, Pavel - SCHLÖGL, Ján - ŠMÍDA, Branislav - VLČEK, Lukáš. *Venezuelan Tepuis - their caves and biota*. Acta Geologica Slovaca AGEOS - Monograph. Bratislava : Comenius University, 2012. p. 168. ISBN 978-80-223-3349-8.

- AAB02 VOZÁR, Jozef - EBNER, F. - VOZÁROVÁ, Anna - HAAS, János - KOVÁCS, S. - SUDAR, Milan - BIELIK, Miroslav - PÉRÓ, Csaba. *Variscan and Alpine terranes of the Circum-Pannonian region*. Second Edition (Available only as DVD version). Bratislava : Geological Institute of SAS Bratislava : Comenius University, Faculty of Natural Sciences, Bratislava, 2014.

### ABC Chapters in scientific monographs published abroad

- ABC01 BIČÁROVÁ, Svetlana - PAVLEDOVÁ, Hana - FLEISCHER, Peter. Vulnerability to ozone air pollution in different landforms of Europe. In *Air pollution: sources, prevention and health effects : air, water and soil pollution science and technology: pollution science, technology and abatement* [elektronický zdroj]. - New York : Nova Science Publishers, 2013, p. 25-63. ISBN 978-1-62417-735-4. Názov z vytlačeného dokumentu.

- ABC02 HOLKO, Ladislav - FLEISCHER, Peter - NOVÁK, Viliam - KOSTKA, Zdeňek - BIČÁROVÁ, Svetlana - NOVÁK, J. Hydrological Effects of a Large Scale Windfall Degradation in the High Tatra Mountains, Slovakia. In *Management of*

*Mountain Watersheds*. - Dordrecht ; New Delhi : Springer, 2012, s. 164-179. ISBN 978-94-007-2475-4.

ABC03        PRIBULLOVÁ, Anna - PECHO, Jozef, RNDr. - CHMELÍK, Miroslav. Air temperature variability in the High Tatra Mountains. In *Integrating nature and society towards sustainability*. 10. Series environmental science and engineering. - Springer, 2013, p. 111-130. ISBN 978-642-12724-3.

ABC04        TENZER, Robert - HAMAYUN - VAJDA, Peter. Global topographically corrected and topo-density contrast stripped gravity field from EGM08 and CRUST 2.0. In *Geodesy for Planet Earth : proceedings of the 2009 IAG Symposium, Buenos Aires, Argentina, 31 August 31 - 4 September 2009*. Vol. 136. International Association of Geodesy Symposia. - Berlin, Heidelberg : Springer, 2012, p. 389-399. ISBN 978-3-642-20337-4.

#### **ABD Chapters in scientific monographs published in Slovak publishing houses**

ABD01        KUCHARIČ, Ľudovít - BARÁTH, Ivan - NAGY, Alexander - BODIŠ, Dušan - ŠESTÁK, Pavol - BEZÁK, Vladimír. Local and regional aquifers. In *Potential, capacities estimations and legislation For CO2 storage in the geological formations of the Slovak Republic*. - Bratislava : State Geological Institute od Dionyz Stur, 2013, p. 33-66. ISBN 978-80-89343-90-4.

#### **ACB Academic/university textbooks published in Slovak publishing houses**

ACB01        HVOŽDARA, Milan. *Naša Zem pevná i premenlivá* [Our Earth solid and variable]. 1. vyd. Bratislava : VEDA, Vydavateľstvo Slovenskej akadémie vied, 2012. 260 s. Svet vedy, Zväzok 22. ISBN 978-80-224-1263-6.

#### **ADCA Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)**

ADCA01        AUBRECHT, Roman - LÁNCZOS, Tomáš - GREGOR, Mikuláš - SCHLÖGL, Ján - ŠMÍDA, Branislav - LIŠČÁK, Pavel - BREWER-CARÍAS, Charles - VLČEK, Lukáš. Reply to the Comment on "Sandstone caves on Venezuelan tepuis: Return to pseudokarst? In *Geomorphology*, 2013, vol. 197, no. 1, p. 197-203. (2.552 - IF2012). (2013 - Current Contents). ISSN 0169-555X.

ADCA02        BEDNÁRIK, Martin - KOHÚT, Igor. Three-dimensional colour functions for stress state visualisation. In *Computers and Geosciences*, 2012, vol. 48, p. 117-125. (1.429 - IF2011). (2012 - Current Contents). ISSN 0098-3004.

ADCA03        BEZÁK, Vladimír - PEK, Josef - VOZÁR, Ján - BIELIK, Miroslav - VOZÁR, Jozef. Geoelectrical and geological structure of the crust in Western Slovakia. In *Studia Geophysica et Geodaetica*, 2014, vol. 58, p. 473-488. (0.752 - IF2013). (2014 - Current Contents, CC). ISSN 0039-3169.

ADCA04        BROSKA, Igor - PETRÍK, Igor - SHLEVIN, Yaron Be'eri - MAJKA, Jarosław - BEZÁK, Vladimír. Devonian/Mississippian I-type granitoids in the Western Carpathians: A subduction-related hybrid magmatism. In *Lithos*, 2013, vol. 162-163, no. 1, p. 27-36. (3.779 - IF2012). (2013 - Current Contents). ISSN 0024-4937.

- ADCA05 CLAPROOD, Maxime - ASTEN, Michael W. - KRISTEK, Jozef. Combining HVSR microtremor observations with the SPAC method for site resonance study of the Tamar Valley in Launceston (Tasmania, Australia). In *Geophysical Journal International*, 2012, vol. 191, issue 2, p. 765-780. (2.420 - IF2011). (2012 - Current Contents). ISSN 0956-540X.
- ADCA06 FOJTÍKOVÁ, Lucia - ZAHRADNÍK, Jiří. A new strategy for weak events in sparse networks: the first-motion polarity solution constrained by single-station waveform inversion. In *Seismological Research Letters*, 2014, vol. 85, no. 6, p. 1265-1274. (2.268 - IF2013). (2014 - Current Contents). ISSN 0895-0695.
- ADCA07 GÁLIS, Martin - PELTIES, Christian - KRISTEK, Jozef - MOCZO, Peter - AMPUERO, Jean Paul - MAI, Martin P. On the initiation of sustained slip-weakening ruptures localized stresses. In *Geophysical Journal International*, 2015, vol. 200, p. 888-907. (2.560 - IF2014). (2015 - Current Contents, CC). ISSN 0956-540X.
- ADCA08 GRINČ, Michal - ZEYEN, Hermann - BIELIK, Miroslav - PLAŠIENKA, Dušan. Lithospheric structure in Central Europe: Integrated geophysical modelling. In *Journal of Geodynamics*, 2013, vol. 66, no. 1, p. 13-24. (2.967 - IF2012). (2013 - Current Contents). ISSN 0264-3707.
- ADCA09 CHALJUB, Emmanuel - MAUFROY, Emeline - MOCZO, Peter - KRISTEK, Jozef - HOLLENDER, Fabrice - BARD, Pierre Yves - PRIOLO, E. - KLIN, Peter - DE MARTIN, Florent - ZHANG, Zhenguo - ZHANG, Wei - CHEN, Xiaofei. 3-D numerical simulations of earthquake ground motion in sedimentary basins: testing accuracy through stringent models. In *Geophysical Journal International*, 2015, vol. 201, issue 1, p. 90-111. (2.560 - IF2014). (2015 - Current Contents, CC). ISSN 0956-540X.
- ADCA10 KLAČKA, Jozef - KOCIFAJ, Miroslav - KUNDRACIK, F. - VIDEEN, Gorden - KOHÚT, Igor. Generalization of electromagnetic scattering by charged grains through incorporation of interband and intraband effects. In *Optics Letters*, 2015, vol. 40, no. 21, p. 5070-5073. (3.292 - IF2014). (2015 - Current Contents). ISSN 0146-9592.
- ADCA11 KOCIFAJ, Miroslav - KÓMAR, Ladislav - KOHÚT, Igor. Modeling the aerosol effects on the light field below a tubular-pipe: A case of clear sky conditions. In *Solar Energy*, 2014, vol. 107, p. 122-134. (3.541 - IF2013). (2014 - Current Contents). ISSN 0038-092X.
- ADCA12 KOCIFAJ, Miroslav - KLAČKA, Jozef - VIDEEN, Gorden - KOHÚT, Igor. Optical properties of a polydispersion of small charged cosmic dust particles. In *Journal of Quantitative Spectroscopy & Radiative Transfer*, 2012, vol. 113, p. 2561-2566. (3.193 - IF2011). (2012 - Current Contents). ISSN 0022-4073.
- ADCA13 KÓMAR, Ladislav - KOCIFAJ, Miroslav - KOHÚT, Igor. An extension to the Rayleigh-Gans formula: model of partially absorbing particles. In *Optica Applicata*, 2013, vol. XLIII, no. 2, p. 313-323. (0.541 - IF2012). (2013 - Current Contents). ISSN 0078-5466.

- ADCA14 KOPÁČEK, Jiří - BIČÁROVÁ, Svetlana - HEJZLAR, Josef - HYNŠTOVÁ, Marie - KAŇA, Jiří - MITUŠINKOVÁ, Marta - PORCAL, Petr - STUHLÍK, E. - TUREK, Jan. Catchment biochemistry modifies long-term effects of acidic deposition on chemistry of mountain lakes. In *Biochemistry*, 2015, vol. 125, no. 3, p. 315-335. (3.015 - IF2014). (2015 - Current Contents). ISSN 0006-2960.
- ADCA15 KUCHARIČ, Ľudovít - BEZÁK, Vladimír - KUBEŠ, Peter - KONEČNÝ, Vlastimil - VOZÁR, Ján. New magnetic anomalies of the Outer Carpathians in NE Slovakia and their relationship to the Carpathian Conductivity Zone. In *Geological Quarterly*, 2013, vol. 57, no. 1, p. 123-134. (0.761 - IF2012). (2013 - Current Contents). ISSN 1641-7291.
- ADCA16 MARSENIČ, Alexandra. A kinematic model of vertical geomagnetic field variation resulting from a steady convective flow. In *Geophysical and Astrophysical Fluid Dynamics*, 2014, vol. 108, 2014, p. 1-22, DOI 10.1080/03091929.2013.840723. (0.924 - IF2013). (2014 - Current Contents). ISSN 0309-1929.
- ADCA17 MÁRTON, Emő - GRABOWSKI, Jacek - PLAŠIENKA, Dušan - TÚNYI, Igor - KROBICKI, Michał - HAAS, János - PETHE, Mihály. New paleomagnetic results from the upper cretaceous red marls of the Pieniny Klippen Belt, Western Carpathians: Evidence for general CCW rotation and implications for the origin of the structural arc formation. In *Tectonophysics*, 2013, vol. 592, p. 1-13. (2.684 - IF2012). (2013 - Current Contents). ISSN 0040-1951.
- ADCA18 MATENCO, Liviu Ciprian - ANDRIESEN, Paul - ANDRIESEN, P. A.M. - AVRAM, Corina - BADA, Gábor - BEEKMAN, Fred - BIELIK, Miroslav - KOVÁČ, Michal - KRÁLIKOVÁ, Silvia - MINÁR, Jozef - PLAŠIENKA, Dušan - STANKOVIANSKY, Miloš - THE SCIENTIFIC NETWORK. Quantifying the mass transfer from mountain ranges to deposition in sedimentary basins: Source to sink studies in the danube basin-black sea system. In *Global and planetary change*, 2013, vol. 103, no. 1, p. 1-18. (3.155 - IF2012). (2013 - Current Contents). ISSN 0921-8181.
- ADCA19 MAUFROY, Emeline - CHALJUB, Emmanuel - HOLLENDER, Fabrice - KRISTEK, Jozef - MOCZO, Peter - KLIN, Peter - PRIOLO, E. - IWAKI, A. - IWATA, Tomotaka - ETIENNE, Vincent - DE MARTIN, Florent - THEODOULIDIS, Nikolaos - MANAKOU, M. - GUYONNER-BENAIZE, C. - PITILAKIS, K. - BARD, Pierre Yves. Earthquake ground motion in the Mygdonian Basin, Greece: the E2VP verification and validation of 3D numerical simulation up to 4 Hz. In *Bulletin of the Seismological Society of America*, 2015, vol. 105, no. 3, p. 1398-1418. (2.322 - IF2014). (2015 - Current Contents). ISSN 0037-1106.
- ADCA20 MÉRES, Štefan - AUBRECHT, Roman - GRADZIŃSKI, Michał - SÝKORA, Milan. High (ultrahigh) pressure metamorphic terrane rocks as the source of the detrital garnets from the Middle Jurassic sands and sandstones of the Cracow Region (Crakow-Wieluń Upland, Poland). In *Acta Geologica Polonica*, 2012, vol. 62, no. 2, p. 231-245. (0.565 - IF2011). (2012 - Current Contents). ISSN 0001-5709.

- ADCA21 MIHAILOVIĆ, Dragutin T. - KRMAR, M. - MIMIĆ, Gordan - NIKOLIĆ-DORIĆ, Emilija - SMETANOVA, Iveta - HOLÝ, Karol - ZELINKA, Ján - OMELKA, Jozef. A complexity analysis of Rn222 concentration variation: A case study for Domica cave, Slovakia for the period June 2010-June 2011. In *Radiation Physics and Chemistry*, 2015, vol. 106, no. 1, p. 88-94. (1.380 - IF2014). (2015 - Current Contents). ISSN 0969-806X.
- ADCA22 MÜLLEROVÁ, Monika - KOZAK, Krzysztof - KOVÁCS, Tibor - CSORDÁS, Anita - GRZADZIEL, Dominik - HOLÝ, Karol - MAZUR, Jadwiga - MORAVČÍK, Martin - NEZNAL, Martin - NEZNAL, Matěj - SMETANOVA, Iveta. Preliminary results of indoor radon survey in V4 countries. In *Radiation Protection Dosimetry*, 2014, vol. 160, no. 1-3, p. 210-213. (0.861 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0144-8420.
- ADCA23 PÁNISOVÁ, Jaroslava - FRAŠTIA, Marek - WUNDERLICH, Tina - PAŠTEKA, Roman - KUŠNIRÁK, Dávid. Microgravity and ground-penetrating radar investigations of subsurface features at the St. Catherine's Monastery, Slovakia. In *Archaeological Prospection*, 2013, vol. 20, no. 3, p. 163-174.
- ADCA24 PÁNISOVÁ, Jaroslava - PAŠTEKA, Roman - PAPČO, Juraj - FRAŠTIA, Marek. The calculation of building corrections in microgravity surveys using close range photogrammetry. In *Near Surface Geophysics*, 2012, vol. 10, no. 5, p. 391-399. (0.945 - IF2011). (2012 - Current Contents, Current Contents). ISSN 1569-4445.
- ADCA25 PAŠTEKA, Roman - KARCOL, Roland - KUŠNIRÁK, Dávid - MOJZEŠ, Andrej. REGCONT: A Matlab based program for stable downward continuation of geophysical potential fields using Tikhonov regularization. In *Computers and Geosciences*, 2012, vol. 49, p. 278-289. (1.429 - IF2011). (2012 - Current Contents). ISSN 0098-3004.
- ADCA26 PRUTKIN, Ilya - VAJDA, Peter - GOTTMANN, Jo. The gravimetric picture of magmatic and hydrothermal sources driving hybrid unrest on Tenerife in 2004/5. In *Journal of Volcanology and Geothermal Research*, 2014, vol. 282, p. 9-18. (2.515 - IF2013). (2014 - Current Contents). ISSN 0377-0273.
- ADCA27 REVALLO, Miloš - VALACH, Fridrich - HEJDA, Pavel - BOCHNÍČEK, Josef. A neural network Dst index model driven by input time histories of the solar wind-magnetosphere interaction. In *Journal of Atmospheric and Solar-Terrestrial Physics*, 2014, vol. 110-111, no. 1, p. 9-14. (1.751 - IF2013). (2014 - Current Contents). ISSN 1364-6826.
- ADCA28 SAIZ, Elena - CERRATO, Yolanda - CID, Consuelo - DOBRICA, Verena - HEJDA, Pavel - NENOVSKI, Petko - STAUNING, Peter - BOCHNÍČEK, Josef - DANOV, Dimitar - DEMETRESCU, Crisan - GONZALES, Walter Demetrio - MARIS, Georgeta - TEODOSIEV, Dimitar - VALACH, Fridrich. Geomagnetic response to solar and interplanetary disturbances. In *Journal of Space Weather and Space Climate*, 2013, vol. 3, p. A26. (2013 - Current Contents, WOS, SCOPUS, CrossRef). ISSN 2115-7251.

- ADCA29 SEMENOV, Vladimír Yu. - HVOŽDARA, Milan - VOŽÁR, Ján. Modeling of deep magnetovariation soundings on the rotating earth. In *Acta Geophysica*, 2013, vol. 61, no. 2, p. 264-280. (0.910 - IF2012). (2013 - Current Contents). ISSN 1895-6572.
- ADCA30 SMETANOVÁ, Iveta - HOLÝ, Karol - OMELKA, Jozef. Temporal variability of radon in the atmosphere of Domica and Važecká karst caves (Slovakia). In *Radiation Protection Dosimetry*, 2014, vol. 160, no. 1, p. 65-69. (0.861 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0144-8420.
- ADCA31 TENZER, Robert - HAMAYUN - NOVÁK, Pavel - GLADKIKH, Vladislav - VAJDA, Peter. Global crust-mantle density contrast estimated from EGM2008, DTM2008, CRUST2.0, and ICE-5G. In *Pure and Applied Geophysics*, 2012, vol. 169, no. 9, p. 1663-1678. (1.787 - IF2011). (2012 - Current Contents). ISSN 0033-4553.
- ADCA32 TENZER, Robert - BAGHERBANDI, Mohammad - VAJDA, Peter. Global model of the upper mantle lateral density structure based on combining seismic and isostatic models. In *Geosciences Journal*, 2013, vol. 17, issue 1, p. 65-73. (0.618 - IF2012). (2013 - Current Contents, Current Contents Connects). ISSN 1226-4806.
- ADCA33 TENZER, Robert - GLADKIKH, Vladislav - NOVÁK, Pavel - VAJDA, Peter. Spatial and spectral analysis of refined gravity data for modelling the crust-mantle interface and mantle-lithosphere structure. In *Surveys in Geophysics*, 2012, vol. 33, no. 5, p. 817-839. (3.093 - IF2011). (2012 - Current Contents). ISSN 0169-3298.
- ADCA34 TENZER, Robert - NOVÁK, Pavel - HAMAYUN - VAJDA, Peter. Spectral expressions for modelling the gravitational field of the Earth's crust density structure. In *Studia Geophysica et Geodaetica*, 2012, vol. 56, no. 1, p. 141-152, doi: 10.1007/s11200-011-9023-7. (0.700 - IF2011). (2012 - Current Contents, Current Contents). ISSN 0039-3169.
- ADCA35 TENZER, Robert - NOVÁK, Pavel - VAJDA, Peter - GLADKIKH, Vladislav - HAMAYUN. Spectral harmonic analysis and synthesis of Earth's crust gravity field. In *Computational Geosciences*, 2012, vol. 16, no. 1, p. 193-207. (1.348 - IF2011). (2012 - Current Contents). ISSN 1420-0597.
- ADCA36 VAJDA, Peter - PRUTKIN, Ilya - TENZER, Robert - JENTZSCH, Gerhard. Inversion of temporal gravity changes by the method of local corrections: A case study from Mayon volcano, Philippines. In *Journal of Volcanology and Geothermal Research*, 2012, vol. 241-242, no. 1, p. 13-20. (1.978 - IF2011). (2012 - Current Contents). ISSN 0377-0273.
- ADCA37 VALACH, Fridrich - BOCHNÍČEK, Josef - HEJDA, Pavel - REVALLO, Miloš. Strong geomagnetic activity forecast by neural networks under dominant southern orientation of the interplanetary magnetic field. In *Advances in Space Research*, 2014, vol. 53, p. 589-598. (1.238 - IF2013). (2014 - Current Contents, SCOPUS, NASA ADS). ISSN 0273-1177.

ADCA38 VETCHFINSKII, Vladimír. S. - TÚNYI, Igor - VAJDA, Peter - SOLOVEVA, Svetlana S. Effects of and methods for determination of induced magnetic anisotropy of igneous and metamorphosed rocks. In *Studia Geophysica et Geodaetica*, 2013, vol. 57, no. 1, p. 118-137. (0.975 - IF2012). (2013 - Current Contents, Current Contents). ISSN 0039-3169.

ADCA39 ZAHOREC, Pavol - MIKUŠKA, Ján - PAPČO, Juraj - MARUŠIAK, Ivan - KARCOL, Roland - PAŠTEKA, Roman. Towards the measurement of zero vertical gradient of gravity on the Earth's surface. In *Studia Geophysica et Geodaetica*, 2015, vol. 59, no. 4, p. 524-537. (0.806 - IF2014). (2015 - Current Contents). ISSN 0039-3169.

ADCA40 ZAHRADNÍK, Jiří - FOJTÍKOVÁ, Lucia - CARVALHO, Joao - BARROS, Luca, Vieira - JANSKÝ, Jiří. Compromising polarity and waveform constraints in focal-mechanism solutions; the Mara Rosa 2010 Mw 4 central Brazil earthquake revisited. In *Journal of South American Earth Sciences*, 2015, vol. 63, p. 323-333. (1.367 - IF2014). (2015 - Current Contents). ISSN 0895-9811.

**ADDA Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)**

ADDA01 BIELIK, Miroslav - KRAJŇÁK, Martin - MAKARENKO, Irina - LEGOSTAEVA, Ola - STAROSTENKO, Vitaly I. - BOŠANSKÝ, Marián - GRINČ, Michal - HÓK, Jozef. 3D gravity interpretation of the pre-Tertiary basement in the intramontane depressions of the Western Carpathians: a case study from the Turiec Basin. In *Geologica Carpathica*, 2013, vol. 64, no. 5, p. 399-408. (1.143 - IF2012). (2013 - Current Contents). ISSN 1335-0552.

ADDA02 GAWLIK, Hans-Jürgen - AUBRECHT, Roman - SCHLAGINTWEIT, Felix - MISSIONI, Sigrid - PLAŠIENKA, Dušan. Ophiolitic detritus in Kimmeridgian resedimented limestones and its provenance from an eroded obducted ophiolitic nappe stack south of the Northern Calcareous Alps (Austria). In *Geologica Carpathica*, 2015, vol. 66, no. 6, p. 473-487. (0.761 - IF2014). (2015 - Current Contents). ISSN 1335-0552.

ADDA03 PRUTKIN, Ilya - VAJDA, Peter - BIELIK, Miroslav - BEZÁK, Vladimír - TENZER, Robert. Joint interpretation of gravity and magnetic data in the Kolárovo anomaly region by separation of sources and the inversion methods of local corrections. In *Geologica Carpathica*, 2014, vol. 65, no. 2, p. 163-174. (0.835 - IF2013). (2014 - Current Contents). ISSN 1335-0552.

**ADEB Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)**

ADEB01 AUBRECHT, Roman. Paleokarst, neptunian dykes, collapse breccias, mud-mounds and sedimentary unconformities. In *Journal of Alpine Geology*, 2012, vol. 54, no. 1 spec., p. 1-32. ISSN 1563-0846.

ADEB02 GRINČ, Michal - VONDRÁČKOVÁ, Terezie - SLABEJ, Martin - LIZBETIN, Ján - ŠKODA, Stanislav. Repeated GPR measurements carried out on a test field facility. In *Procedia Earth and Planetary Science*, 2015, vol. 15, p. 37-42. ISSN 1878-5220.



- ADEB03 LEVASHOV, Sergey P. - YAKYMCHUK, Nikolay A. - KORCHAGIN, Ignat N. - KUTAS, Roman Ivanovich - MAJCIN, Dušan - BOZHEZHA, Dimitry N. O možnosti primenija mobil'nykh geofizičeskikh metodov dlja obnaruženija i kartirovanija geotermal'nykh istočnikov. In *Geoinformatika. Naukovij žurnal*, 2012, vo. 42, no. 2, p. 7-14. ISSN 1684-2189.
- ADEB04 MOJŽIŠ, Michal - PIVOVARNIČEK, Pavol - SNOPKOVÁ, Zora - VÁCZYOVÁ, Magdaléna - JANČOKOVÁ, Ľudmila. Vliv externých faktorov prostredia na explozívnu silu dolných končatín adolescentov = Environmental factors impact on lower limbs explosive strenght of adolescents. In *Česká kinantropologie*, 2014, vol. 18, no. 2, p. 37-49. ISSN 1211-9261.
- ADEB05 PODHORSKÝ, Dušan - RUŽIČKA, Milan. Monitoring kachestva vody, kak faktor modernizatsii sistem vodosnabzhenia i vodootvedenia [Podnikajme in Central Asia: guide exporters to prospective markets of the five countries of Central Asia]. In *Vodnye resursy i vodopolzovanie*, 2013, vol. 118, no. 11, . s. 29-34. ISSN 0321-0596.
- ADEB06 SLABEJ, Martin - PODOLKA, Luboš - GRINČ, Michal - MUSÍLEK, Josef - ČEJKA, Jiří - VONDRÁČKOVÁ, Terezie. Advanced progressive road network diagnostic method used to monitor changes in the quality of the pavement surface. In *Procedia Earth and Planetary Science*, 2015, vol. 15, p. 19-24. ISSN 1878-5220.

**ADFB Scientific papers in other domestic journals not registered in Current Contents Connect without IF (non-impacted)**

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**AFHA Abstracts of papers from international conferences in Slovakia**

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#### **AGI Reports on solved scientific and research tasks**

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*Observatórium SAV Skalnaté Pleso : 70 rokov meteorologických meraní.* Bičárová Svetlana, Bezák Vladimír, Bilčík Dušan, Čepčková Eva, Fleischer Peter, Hlavatá Helena, Holko Ladislav, Jakubkák Ondrej, Mačutek Jozef, Majcin Dušan, Ostrožlík Marian, Radimáková Alžbeta, Smolen František, Škvarenina Jaroslav. Stará Lesná : Geofyzikálny ústav SAV, 2013. 63 s. ISBN 978-80-85754-29-2.

BAB02      BROSKA, Igor - BALÁŽ, Peter - BEZÁK, Vladimír - BRIMICH, Ladislav - ĎURIŠOVÁ, Anna - HUDÁČKOVÁ, Natália - JELEŇ, Stanislav - KOVÁČOVÁ, Marianna - LEXA, Jaroslav - MADARÁS, Ján - MALÍK, Peter - MICHALÍK, Jozef - NELIŠEROVÁ, Eva - ORFÁNUS, Tomáš - PAŽÁK, Peter - PETRÍK, Igor - PORUBČAN, Vladimír - PUŠKELOVÁ, Ľubica - SIMAN, Pavol - SLÁDEK, Ján - STAREK, Dušan - ŠEFČÁKOVÁ, A. - ZAHRADNIKOVA, Barbara - ŽENIŠOVÁ, Zlatica. *Planéta, na ktorej žijeme* [The Planet we live on]. 1. vyd. Bratislava : VEDA, vydavateľstvo Slovenskej akadémie vied, 2015. 170 s. Svet vedy, zväzok č. 36. ISBN 978-80-224-1436-4.

BAB03      PODHORSKÝ, Dušan. *Podnikajme v Strednej Ázii príručka exportéra na podnikanie na perspektívnych trhoch piatich krajín Strednej Ázie (Kazachstan, Kirgizsko, Tadžikistan, Turkménsko a Uzbekistan)* [Business in Central Asia guide exporter of business on promising markets of the five countries of Central Asia (Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan)]. Bratislava : Slovenská obchodná a priemyselná komora, 2013. 67 s. ISBN 978-80-89105-54-0.

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BAB05      TÚNYI, Igor - AUBRECHT, Roman - GUBA, Peter - ŠOLTIS, Tomáš - BOČIK, Andrej - MAJCIN, Dušan - BRIMICH, Ladislav - BILČÍK, Dušan. *Akrécia Zeme s podporou impulzných magnetických polí.* Bratislava : Geofyzikálny ústav SAV, 2014. 320 s. + elektronická príloha. ISBN 978-80-85754-32-2.

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BBA02      NIEDŹWIEDŹ, Tadeusz - LUPIKASZA, Ewa - NEJEDLÍK, Pavol - ŽMUDZKA, Elwira - ŠŤASTNÝ, Pavel - LAPIN, Milan - KOTARBA, Andrzej - USTRNUL, Zbigniew - WALAWENDER, Ewelina - MIKULOVÁ, Katarína. II.4. Zachmurzenie, wiatr i wybrane zjawiska meteorologiczne = Oblačnosť, vietor a vybrané meteorologické javy = Cloudiness, wind and other weather phenomena. In *Atlas Tatr-przyroda nieożywiona = Atlas Tatier-neživá príroda = Atlas of the Tatra Mts.-abiotic nature.* - Zakopane : Tatrzański Park Narodowy, 2015. ISBN 978-83-61788-91-1.

- BBA03        NIEDŹWIEDŹ, Tadeusz - LUPIKASZA, Ewa - ŹMUDZKA, Elwira - NEJEDLÍK, Pavol - ŠTASTNÝ, Pavel - LAPIN, Milan. II.6. Regionalizacja klimatyczna i typy pogody = Klimatická regionalizácia a typy počasia = Climatic Regions and weather types. In *Atlas Tatr-przyroda nieożywiona = Atlas Tatier-neživá príroda = Atlas of the Tatra Mts.-abiotic nature*. - Zakopane : Tatrzński Park Narodowy, 2015. ISBN 978-83-61788-91-1.
- BBA04        PIOTROWSKA, Kryzstyna - DANIEL, Weronika - IWANOW, Andrzej - GAŹDZICKA, Elżbeta - RACZKOWSKI, Wojciech - BEZÁK, Vladimír - MAGLAY, Juraj - POLÁK, Milan - KOHÚT, Milan - GROSS, Pavel. IV. 1. Budowa geologiczna = Geologická stavba = Geology. In *Atlas Tatr-przyroda nieożywiona = Atlas Tatier-neživá príroda = Atlas of the Tatra Mts.-abiotic nature*. - Zakopane : Tatrzński Park Narodowy, 2015. ISBN 978-83-61788-91-1.
- BBA05        ŹMUDZKA, Elwira - NEJEDLÍK, Pavol - MIKULOVÁ, Katarína. II. 2. Temperatura, wskaźniki termiczne = Teplota a teplotné charakteristiky = Temperature, thermal indices. In *Atlas Tatr-przyroda nieożywiona = Atlas Tatier-neživá príroda = Atlas of the Tatra Mts.-abiotic nature*. - Zakopane : Tatrzński Park Narodowy, 2015. ISBN 978-83-61788-91-1.

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- BDF03        TÚNYI, Igor. Fides et ratio. In *RAN-Radosť a nádej : Spoločensko-duchovná revue*, 2012, roč. 15, č. 1-2, s. 52-53. ISSN 1335-3543.
- BDF04        TÚNYI, Igor. Robert Hooke a jeho doba. In *RAN-Radosť a nádej : Spoločensko-duchovná revue*, 2012, roč. 15, č. 1-2, s. 3-7. ISSN 1335-3543.

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- BED02        BOŽIK, Dušan. Organizácia meteorologických meraní v školách [Organization of meteorological measurements in schools]. In *Meteorológia a klimatológia vo vyučovaní III. Slnko a vzduch : zborník z prednášok zo seminára pre učiteľov základných a stredných škôl, 13-16. júna 2012*. Ed. Anna Pribullová, foto A.

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#### **FAI Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)**

FAI01 *Numerical Modeling of Earthquake Motions : Waves and Ruptures - NMEM 2015, July 5-9, 2015 : proceedings of the workshop - abstract book*. Eds. Ralph J. Archuleta, Peter Moczo, Jozef Kristek, Martin Galis. Bratislava : Faculty of Mathematics, Physics and Informatics, 2015. 79 p. ISBN 978-80-8147-030-1.

FAI02 *Structure and thermal state of the West Carpathians lithosphere: hot dry rock energy sources potential of Slovakia : proceedings of the project final workshop, 15 december 2015* = Štruktúra a tepelný stav litosféry Západných Karpát: potenciál energetických zdrojov tepla suchých hornín Slovenska : zborník zo záverečného seminára projektu, 15. decembra 2015 [elektronický dokument]. Eds. Bezák V., Majcin D., Pašteka R., Vajda P. ; reviewers: Bielik, M., Brimich L., Majcin D., Kucharič L., techn. red. Bilčík, D. Bratislava : Earth Science Institute of the Slovak Academy of Sciences, 2015. 1 CD-ROM, 139 p. elektronický zborník na CD-ROM. ISBN 978-80-85754-34-6.

FAI03 *Yearbook of radiation and meteorological measurements 2011* = Ročenka radiačných a meteorologických meraní 2011 [elektronický zdroj]. Vol. 20. Editor: Bilčík Dušan. Bratislava : Geofyzikálny ústav SAV, 2012. 33 s. Názov z CD. ISBN 978-80-85754-26-1.

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FAI07        *Environmental, Sedimentary & Structural Evolution of the Western Carpathians : 9th ESSEWECA Conference, November 5-7, 2014, Smolenice, Slovakia : Abstract Book*. Editor Jana Bučová, Ľubica Puškelová. Bratislava : Geophysical Institute, Slovak Academy of Sciences : Geological Institute, Slovak Academy of Sciences, 2014. 74 s. ISBN 978-80-85754-31-5.

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FAI11        *Towards climatic services: international scientific conference, conference proceeding, abstracts : Nitra, 15th-18th September 2015, Nitra, Slovakia*. Eds. Bernard Šiška, Pavol Nejedlík, Mariana Eliašová. Nitra : Slovak University of Agriculture, 2015. 80 p. ISBN 978-80-552-1390-3.

## **GAI Reports**

GAI01        FRANEK, Peter - KYSEL, Róbert - MOCZO, Peter - KRISTEK, Jozef. *Projekt NJZ EBO. Posúdenie seizmicity a geologických pomerov pre projekt NJZ - Predĺžená správa. Kapitola 4: Seizmológia* [Evaluation of seismicity and geological conditions for the new NPP Project in Jaslovské Bohunice Site]. Bratislava : Geofyzikálny ústav SAV : Fakulta matematiky, fyziku a informatiky UK, 2012. 68 s.

GAI02        KRISTEK, Jozef - KYSEL, Róbert - MOCZO, Peter - KRISTEKOVÁ, Miriam. *Posúdenie seizmicity a geologických pomerov pre Projekt NJZ EBO :*



*záverečná správa (vypracované v slovenskej aj v anglickej verzii). časť:*  
Pravdepodobnostný výpočet seizmického ohrozenia. Bratislava : EQUIS s.r.o., 2013.  
131 s.

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- GII02 DUMA, Gerard - LEICHTER, Barbara - VÁCZYOVÁ, Magdaléna - VALACH, Fridrich - MAGNETE GROUP. *Map of magnetic declination in Europe (2006)* = Carte de la déclinaison magnétique en Europe (2006). Vienna : CGMW of UNESCO, 2012. ISBN 978-2-917310-11-3.
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- GII04 PODHORSKÝ, Dušan. Ekonomizácia diplomacie ako príspevok k marketingu vo vede [Economization of diplomacy as a contribution to the marketing of sciences]. In *Správy Slovenskej akadémie vied*, 2013, roč. 49, č. 7-8, s. 14. ISSN 0139-6307.
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