

***Vedecký výstup –
–bibliografické údaje výstupov pracovníkov GFÚ SAV***

Vedecké práce v časopisoch evidovaných

a.) Current Contents

1. BIELIK, Miroslav - ŠEFARA, Ján - KOVÁČ, Michal - BEZÁK, Vladimír - PLAŠIENKA, Dušan. The Western Carpathians–interaction of Hercynian and Alpine processes. In *Tectonophysics*. ISSN 0040-1951. Vol. 393, no. special issue 1-4 (2004), p. 63-86. (1.838 – IF2004).
2. MOCZO, Peter – KRISTEK, Jozef – GÁLIS, Martin. Simulation of the planar free surface with near–surface lateral discontinuities in the finite–difference modeling of seismic motion. In *Bulletin of the Seismological Society of America*. ISSN 0037-1106. Vol. 94, no. 2 (2004), p. 760-768. (1.812 – IF2004).
3. NOVÁK, Viliam – HURTALOVÁ, Tat'jana – MATEJKA, František. Predicting the effects of soil water content and soil water potential on transpiration of maize. In *Agricultural and Water Management*. ISSN 1335-6291. Vol. 76, no. 3 (2005) p. 211 - 223. (0.835 – IF2004).
4. STŘELCOVÁ, Katarína – MATEJKA, František – KUČERA, Jiří. Beech stand transpiration assesment – two methodical approaches. In *Ekológia*. ISSN 1335-342X. Vol. 23, Supplement 2 (2004), p. 147-167. (0,078 – IF2004).
5. TÚNYI, Igor – VASS, Dionýz – KAROLI, Stanislav – JANOČKO, Juraj – HALÁSOVÁ, Eva – ZLINSKÁ, Adriana – BELÁCEK, Boris. Magnetostratigraphy of Badenian evaporite deposits (East Slovak Basin). In *Geologica Carpathica*. ISSN 1335-0552. Vol. 56, no. 3 (2005), p. 273-284. (0.494 – IF2004).
6. FELDSTEIN, Ya. I. – LEVITIN, A. E. – KOZYRA, J.U. – TSURUTANI, B.T. – PRIGANCOVÁ, Alina – ALPEROVICH, I. – GONZALEZ, W. D. – MALL, U. – ALEXEEV, I. I. – GROMOVA, L. I. – DREMUKHINA, L. A.. Self-consistent modeling of the large-scale distortions in the geomagnetic field during the 24-27 september 1998 major magnetic storm. In *Journal of Geophysical Research*. ISSN 0148-0227. Vol. 110, A11214, doi:10.1029/2004JA010584, November 2005 (2.839– IF2004).

Štatistika

ADC	Vedecké práce v zahraničných karentovaných časopisoch	4
ADD	Vedecké práce v domácich karentovaných časopisoch	2

Spolu		6

b.) v iných medzinárodných databázach (SCOPUS)

1. BEDNÁRIK, Martin. Datalogger-controlled triggering and sampling of the extensometer calibration in time multiplex with the standard data, In *Contributions to geophysics and geodesy*. Vol. 35, no. 4 (2005), p. 339-354.
2. BEDNÁRIK, Martin – BRIMICH, Ladislav. Implementation of extensometer calibration and decimation filtering on Campbell Scientific CR10X datalogger. In *Contributions to geophysics and geodesy*. Vol. 35, no. 4 (2005), p. 373-382.
3. BEDNÁRIK, Martin – KOHÚT, Igor. Fourier family match on an elastic rectangle under its own weight. In *Contributions to geophysics and geodesy*. Vol. 35, no. 2 (2005), p. 189-217.
4. BIČÁROVÁ, Svetlana – SOJÁKOVÁ, Michaela – BURDA, Cyril – FLEISCHER, Peter. Summer ground level ozone maximum in Slovakia in 2003. In *Contributions to geophysics and geodesy*. Vol. 35, no. 3 (2005), p. 265-279.
5. BIELIK, Miroslav - MAKARENKO, Irina - STAROSTENKO, Vitaly - LEGOSTAEVA, Olga - DÉREROVÁ, Jana - ŠEFARA, Ján - PAŠTEKA, Roman : New 3D gravity modeling in the Carpathian-Pannonian basin region In *Contributions to geophysics and geodesy*. Vol. 35, no. 1 (2005), p. 65-78.
6. BRIMICH, Ladislav. Analytical model of the surface displacement and gravity changes due to the point source of the heat in the viscoelastic halfspace with topography. In *Contributions to geophysics and geodesy*. Vol. 35, no. 4 (2005), p. 331-338.
7. DÉREROVÁ, Jana - BIELIK, Miroslav - DUDÁŠOVÁ, Viera. Preliminary map of the lithospheric thickness in the Pannonian-Carpathian basin region obtained by means of 2D integrated modelling. In *Contributions to geophysics and geodesy*. Vol. 35, no. 2 (2005), p. 163-172.
8. DUDÁŠOVÁ, Viera. Study of the deformation observed at the Vyhne tidal station. In *Contributions to geophysics and geodesy*. Vol. 35, no. 4 (2005), p. 367-372.
9. HURTALOVÁ, Tatjana – MATEJKA, František – JANOUSH, Dalibor – ROŽNOVSKÝ, Jaroslav – MARKOVÁ, Irena. Wind speed and aerodynamic conductance variation in air layer affected by spruce forest stand. In *Contributions to geophysics and geodesy*. Vol. 35, no. 3 (2005), p. 319-330.
10. HVOŽDARA, Milan – VOZÁR, Ján. Laboratory and geophysical implications for explanation of the nature of the Carpathian conductivity anomaly. In *Acta Geophysica Polonica*. Vol. 52, no. 4 (2004), p. 497-508.
11. HVOŽDARA, Milan. Geothermal anomaly due to a cylindrical obstacle buried in the halfspace with groundwater flow. In *Contributions to geophysics and geodesy*. Vol. 35, no. 2 (2005), p. 113-125.

12. HVOŽDARA, Milan – KAPLÍKOVÁ, Adriana. Magnetic anomaly due to magnetic halfspace with buried cylindrical perturbing body. In *Contributions to geophysics and geodesy*. Vol. 35, no. 2 (2005), p. 127-139.
13. KOSTECKÝ, Pavel - ONDRÁŠKOVÁ, Alena – ŠEVČÍK, Sebastián – ROSENBERG, L. – KOHÚT, Igor. Observations of the anomalous third Schumann resonance peak during October 21 to 25, 2004 at Modra Observatory and a possible explanation. In *Contributions to geophysics and geodesy*. Vol. 35, no. 1 (2005), p. 33-51.
14. MATEJKA, František – HURTALOVÁ, Taťjana – ROŽNOVSKÝ, Jaroslav – CHALUPNÍKOVÁ, Blanka: Effect of soil moisture on evapotranspiration of a maize stand during one growing season. In *Contributions to geophysics and geodesy*. Vol. 35, no. 3 (2005), p. 219-228.
15. ORLICKÝ, Oto – LIPKA, Ján – TÓTH, Ivan. An explanation of some effects of the titanomagnetite solid solutions ($\text{Fe}_{3-x}\text{Ti}_x\text{O}_4$) based on the magnetic susceptibilities, the Curie temperature measurements, and the Mössbauer spectra measurements. In *Contributions to geophysics and geodesy*. Vol. 35, no. 2 (2005), p. 79-94.
16. ORLICKÝ, Oto. An origin of the source of extreme high intensity of natural remanent magnetization (NRM) of oxidized titano-magnetite bearing basaltic and andesitic rocks. In *Contributions to geophysics and geodesy*. Vol. 35, no. 2 (2005), p. 95-112.
17. ORLICKÝ, Oto. The virtual geomagnetic pole positions of the Neogene volcanics from Kremnické vrchy Mts., Slovakia: Field-reversal versus self-reversal hypothesis (Part XIV). In *Contributions to geophysics and geodesy*. Vol. 35, no. 2 (2005), p. 141-161.
18. OSTROŽLÍK, Marian. Atmospheric icing at Lomnický štít. In *Contributions to geophysics and geodesy*. Vol. 35, no. 3 (2005), p. 245-254.
19. PAŠTEKA, Roman – RICHTER, Peter. Improvement of the Euler deconvolution algorithm by means of the introduction of regularized derivatives. In: *Contributions to geophysics and geodesy : a journal of geophysics, geodesy, meteorology and climatology*. In *Contributions to geophysics and geodesy*. Vol. 35, no 1 (2005), p. 1-18.
20. PRIBULLOVÁ, Anna. Biologically effective UV radiation over Slovakia – Measurements and forecasts. In *Publications of the Institute of Geophysics, Polish Academy of Sciences, series M: Miscellanea*. Vol. 64, no 371 (2004), p. 99-104.
21. PRIBULLOVÁ, Anna. – CHMELÍK, Miroslav. Effect of altitude and surface albedo variability on global UV-B and total radiation under clear-sky condition. In *Contributions to geophysics and geodesy*. Vol. 35, no. 3 (2005), 281-298.
22. RICHTER, Peter – PAŠTEKA, Roman. Calculation of the numerical derivatives - comparison of the software In *Contributions to geophysics and geodesy*. Vol. 35, no 1 (2005), p. 19-32.

23. ŠEVČÍK, Sebastián – KOSTECKÝ, Pavel – KOHÚT, Igor – TURŇA, Ľubomír. Dynamical evolution of Schumann resonance spectra during a strong Q-burst on July 11, 2004. In *Contributions to geophysics and geodesy*. Vol. 35, no 1 (2005), p. 33-53.
24. VAJDA, Peter – PÁNISOVÁ, Jaroslava. Practical comparison of formulae for computing normal gravity at the observation point with emphasis on the territory of Slovakia. In *Contributions to geophysics and geodesy*. Vol. 35, no. 2 (2005), p. 173-188.

Štatistika

ADE	Vedecké práce v zahraničných nekarentovaných časopisoch	2
ADF	Vedecké práce v domácich nekarentovaných časopisoch	22

Spolu		24

Vedecké práce v ostatných časopisoch

1. BIČÁROVÁ, Svetlana – SOJÁKOVÁ, Michaela – BURDA, Cyril – FLEISCHER, Peter. Summer ground level ozone maximum in Slovakia in 2003. Summer ground level ozone maximum in Slovakia in 2003. In *Meteorologický časopis = Meteorological Journal*. Vol. 7, no. 4 (2005), p. 265-279.
2. BUČEK, Stanislav – KÖHLER, Eduard. Genus Borelis (Foraminiferida, Alveolinidae) in paleogene of the Western Carpathians. In *Slovak Geological Magazin*. Vol. 10, no. 4 (2004), p. 285-291.
3. HURTALOVÁ, Tat'jana – MATEJKA, František – ROŽNOVSKÝ, Jaroslav – JANOUS, Dalibor. Specialities of the air temperature, humidity, and wind speed vertical profiles over spruce forest stand. In *Meteorologický časopis = Meteorological Journal*. Vol. 7, no. 4 (2004), p. 173-177.
4. KLUKANOVÁ, Alena – WAGNER, P. – IGLÁROVÁ, L. – LABÁK, Peter – LIŠČÁK, Pavel. Environmental monitoring in Slovakia: geological hazards. In *European Geologist*. ISSN 1028 -267X. Vol. 19 (2005), p. 27-29.
5. MAĐAR, Dalibor - GRAND, Tomáš - DŽUPPA, Peter - ŠEFARA, Ján - REMŠÍK, Anton - KOMOŇ, Jozef - PAŠTEKA, Roman - BIELIK, Miroslav - WEIS, Karol. Využívanie ľahkých geofyzikálnych metód pri vyhľadávaní zdrojov geotermálnej vody = Application of light geophysical methods during exploration of the sources of geothermal waters. In *Mineralia Slovaca*. Vol. 37, no. 2 (2005), s. 103-106.

6. MATEJKA, František – ROŽNOVSKÝ, Jaroslav – KOHÚT, Mojmír – HURTALOVÁ, Tatjana. The evapotranspiration of the maize stand at high evaporative demands of the atmosphere. In *Meteorologický časopis = Meteorological Journal*. Vol. 7, no. 4 (2004), p. 161-165.
7. OSTROŽLÍK, Marian – SMOLEN, František. Transformation of solar radiation in the atmospheric boundary layer. In *Meteorologický časopis = Meteorological Journal*. Vol. 8, no. 1 (2005), p. 13-19.
8. OSTROŽLÍK, Marian. Variability of the diffuse radiation in the High Tatras. In *Meteorologický časopis = Meteorological Journal*. Vol. 7, no. 4 (2004), p. 189-191.
9. SABOL, Martin - VASS, Dionýz - KONEČNÝ, Vlastimil – HUDÁČKOVÁ-HLAVATÁ, Natália - SLAMKOVÁ, Marianna - TÚNYI, Igor - BALOGH, Kadosa. Reconstruction of the paleoenvironmental evolution of the Bone Gorge Maar near Hajnačka. In *Occasional papers of Geological Institut of Hungary*. Vol. 203 (2004), p. 88-89.
10. TÚNYI, Igor — MÁRTON, Emő – ZEČ, Branislav – VASS, Dionýz. Paleomagnetizmus neovulkanitov Vihorlatských vrchov. In *Mineralia Slovaca*. Vol. 37, no. 3 (2005), p. 268-271.
11. TÚNYI, Igor – ZEČ, Branislav – MÁRTON, Emő – VASS, Dionýz. Nové paleomagnetické merania v južnej časti Slanských vrchov. In *Mineralia Slovaca*. Vol. 37, no. 3 (2005), p. 288-291.
12. VASS, Dionýz – ELEČKO, Michal – JANOČKO, Juraj – KAROLI, Stanislav – PERESZLÉNYI, Miroslav – TÚNYI, Igor – ZLINSKÁ, Adriana – HALÁSOVÁ, Eva. Východoslovenská panva vo svetle nových poznatkov. In *Mineralia Slovaca*. Vol. 37, no. 3 (2005), p. 252-254.

Štatistika

ADE	Vedecké práce v zahraničných nekarentovaných časopisoch	1
ADF	Vedecké práce v domácich nekarentovaných časopisoch	11

Spolu		12

Vedecké práce v zborníkoch (konferenčných aj nekonferenčných, vydaných tlačou a lebo na CD)

a/ recenzovaných

1. BIČÁROVÁ, Svetlana. Prízemný ozón v rôznom environmentálnom prostredí. In ČELKOVÁ, A. – MATEJKA, F. (Eds.). *Transport vody, chemikálií a energie v systéme pôda-rastlina-atmosféra : 13. posterový deň s medzinárodnou účasťou a deň otvorených dverí v ÚH SAV, 10. 11. 2005.* [elektronický zdroj]. Bratislava : Ústav hydrológie SAV ; Geofyzikálny ústav SAV, 10. 11. 2005. ISBN 80-85754-13-4. S. 37-44. Elektronický zborník na CD-ROM
2. BIČÁROVÁ, Svetlana. Prízemný ozón v podmienkach extrémne teplého počasia. In ROŽNOVSKÝ, J. – LITSCHMANN, T. (Eds). *Bioklimatologie současnosti a budoucnosti : 15. československá bioklimatologická konference : sborník abstraktů s CD ROM, 12. - 14. září 2005, Křtiny.* [elektronický zdroj]. Brno – Křtiny : Česká bioklimatologická společnost, 2005. [7] S. ISBN 80-86690-31-08. Elektronický zborník na CD ROM.
3. BONNEFOY-CLAUDET, Sylvette – CORNOU, C. - KRISTEK, Jozef - OHRNBERGER, M. - WATHELET, M. – BARD Pier Yves - FÄH, D. - MOCZO, Peter - COTTON, F. Simulation of seismic ambient vibrations: I. H/V and array techniques on canonical models. In *Proccedings of 13th world conference in Earthquake Engineering*. Vancouver, August 2004. Paper No. 1120.
4. CORNOU, C. – KRISTEK, JOZEF - BONNEFOY-CLAUDET, Sylvette - FÄH, D. - BARD, Pier Yves - MOCZO, Peter - OHRNBERGER, M. - WATHELET, M. Simulation of seismic ambient vibrations: II. H/V and array techniques for real sites. In *Proccedings of 13th world conference in Earthquake Engineering*. Vancouver, August 2004, Paper No. 1130.
5. FLEISCHER, Peter – GODZIK, Barbara – BIČÁROVÁ, Svetlana – BYTNEROWICZ, Andrzej. Effects of air pollution and climate change on forests of the slovak Tatra mountains. In OMASA, K. et al. (Eds.). *Plant Responses to Air Pollution Transport and Global Changes : 6th International Symposium, Japan, October 19-22 2004.* Tokyo : Springer-Verlag, 2005, [11] p.
6. HURTALOVÁ, Taťjana – MATEJKA, František – ROŽNOVSKÝ Jaroslav, MARKOVÁ, Irena – ZVĚŘINOVÁ, Zuzana – JANOUŠ, Dalibor. Prúdenie vzduchu nad smrekovým porastom. In ČELKOVÁ, A.– MATEJKA, F. (Eds.). *Transport vody, chemikálií a energie v systéme pôda-rastlina-atmosféra : 13. posterový deň s medzinárodnou účasťou a deň otvorených dverí v ÚH SAV, 10. 11. 2005.* [elektronický zdroj]. Bratislava : Ústav hydrológie SAV ; Geofyzikálny ústav SAV, 10. 11. 2005. ISBN 80-85754-13-4. S. 237-245. Elektronický zborník na CD-ROM
7. KATONA, Martin - SZALAIÓVÁ, Viktória - VOZÁR, Vojtech - BIELIK, Miroslav. Geological overview of the Western Carpathians and the tectonic phenomena interpreted by geophysics. In *Geofizyka, No. 1.* Varšava : Przedsiębiorstwo Badań Geofizycznych, 2005. P. 19-39. ISBN 1733-9197.

8. KOVÁČOVÁ, Monika.: Wavelets Methods. In *The New Picking System, Technical report, European project HPRN-CT-2002-00286*, 2005, 26 p.
9. MATEJKA, František – HURTALOVÁ, Taťjana – ROŽNOVSKÝ, Jaroslav. Vplyv porastov poľných plodín na sezónnu dynamiku pôdnej vlhkosti. In ROŽNOVSKÝ, J. – LITSCHMANN, T. (Eds). *Bioklimatologie současnosti a budoucnosti : 15. československá bioklimatologická konference : sborník abstraktů s CD ROM, 12. - 14. září 2005, Křtiny*. [elektronický zdroj]. Brno – Křtiny : Česká bioklimatologická společnost, 2005. [9] S. ISBN 80-86690-31-08. Elektronický zborník na CD ROM.
10. MATEJKA, František – HURTALOVÁ, Taťjana. Vzťah medzi potenciálnou a referenčnou evapotranspiráciou. In ROŽNOVSKÝ, J. – LITSCHMANN, T. (Eds). *Evaporace a evapotranspirace : sborník z mezinárodního vědeckého semináře, Brno 23. 3. 2005*. [elektronický zdroj]. Brno : Česká bioklimatologická společnost, 2005. S. 39-46. ISBN 80-86690-24-5. Elektronický zborník na CD ROM.
11. MATEJKA, František – POKORNÝ, Radek – HURTALOVÁ, Taťjana – JANOUŠ, Dalibor. Vplyv vysokých evaporačných požiadaviek ovzdušia na evapotranspiráciu smrekového porastu. In ČELKOVÁ, A.– MATEJKA, F. (Eds.). *Transport vody, chemikálií a energie v systéme půda-rastlina-atmosféra : 13. posterový deň s medzinárodnou účasťou a deň otvorených dverí v ÚH SAV, 10. 11. 2005*. [elektronický zdroj]. Bratislava : Ústav hydrológie SAV ; Geofyzikálny ústav SAV, 10. 11. 2005. ISBN 80-85754-13-4. S. 355-364. Elektronický zborník na CD-ROM
12. OSTROŽLÍK, Marian. Rozptýlené žiarenie v Mlyňanoch. In ROŽNOVSKÝ, J. – LITSCHMANN, T. (Eds). *Bioklimatologie současnosti a budoucnosti : 15. československá bioklimatologická konference : sborník abstraktů s CD ROM, 12. - 14. září 2005, Křtiny*. [elektronický zdroj]. Brno – Křtiny : Česká bioklimatologická společnost, 2005. [5] S. ISBN 80-86690-31-08. Elektronický zborník na CD ROM
13. OSTROŽLÍK, Marian. Časová premenlivosť rozptýleného žiarenia v Mlyňanoch. In ČELKOVÁ, A.– MATEJKA, F (Eds.). *Transport vody, chemikálií a energie v systéme půda-rastlina-atmosféra : 13. posterový deň s medzinárodnou účasťou a deň otvorených dverí v ÚH SAV, 10. 11. 2005*. [elektronický zdroj]. Bratislava : Ústav hydrológie SAV ; Geofyzikálny ústav SAV, 10. 11. 2005. ISBN 80-85754-13-4. S. 407-410. Elektronický zborník na CD-ROM
14. PEKEVSKI, Lazo.– LABÁK, Peter – ČERNIH, D.– BYSTRICKÝ, Erik – TUNTEV, A. – CIPCIAR, Andrej. Macedonian seismological network and the real-time data exchange in the SE Europe. In. *Earthquake engineering in the 21st century, August 27-September 1, 2005*. [elektronický zdroj]. Ohrid, Macedonia. Elektronický zborník na CD ROM
15. PRIBULLOVÁ, Anna – CHMELÍK, Miroslav. Rekonštrukcia časového radu UV-B žiarenia na Skalnatom Plese v období 1950 – 2004. In ČELKOVÁ, A.– MATEJKA, F (Eds.). *Transport vody, chemikálií a energie v systéme půda-rastlina-atmosféra : 13. posterový deň s medzinárodnou účasťou a deň otvorených dverí v ÚH SAV, 10. 11. 2005*. [elektronický zdroj]. Bratislava : Ústav hydrológie SAV ; Geofyzikálny ústav SAV, 10. 11. 2005. ISBN 80-85754-13-4. S. 448-454. Elektronický zborník na CD ROM.

16. PRIBULLOVÁ, Anna. – CHMELÍK, Miroslav. Reconstruction of UV-B radiation time series at Skalnaté Pleso observatory in period 1961-2004. In ROŽNOVSKÝ, J. – LITSCHMANN, T. (Eds). *Bioklimatologie současnosti a budoucnosti : 15. československá bioklimatologická konference : sborník abstraktů s CD ROM, 12. - 14. září 2005, Křtiny*. [elektronický zdroj]. Brno – Křtiny : Česká bioklimatologická společnost, 2005. [8] S. ISBN 80-86690-31-08. Elektronický zborník na CD ROM.
17. PRIGANCOVÁ, Alina – VALACH, Fridrich – VÁCZYOVÁ, Magdaléna. Premennivosť kozmického počasia a jeho predpoveď. In ROŽNOVSKÝ, J. – LITSCHMANN, T. (Eds). *Bioklimatologie současnosti a budoucnosti : 15. československá bioklimatologická konference : sborník abstraktů s CD ROM, 12. - 14. září 2005, Křtiny*. [elektronický zdroj]. Brno – Křtiny : Česká bioklimatologická společnost, 2005. [8] S. ISBN 80-86690-31-08. Elektronický zborník na CD ROM.
18. PRIGANCOVÁ, Alina - FELDSTEIN, Ya. I. Porušenosť magnetosféry ako súčasť výkyvov kozmického počasia. In MARKOVÁ, E. *Člověk ve svém pozemském a kosmickém prostředí : bulletin referátů ze semináře*. Úpice : Hvězdárna Úpice, 18.-20. května 2004. ISBN 80-86303-08-X. S. 84-93.
19. PRIGANCOVÁ, Alina – FELDSTEIN, Ya. I. Prúdové systémy počas globálnej poruchy magnetosféry. In 17. *Celoštátneho slnečného seminára : The New Picking System, Technical report* Hurbanovo : Slovenská ústredná hviezdáreň, 2004. S. 175–178.
20. VALACH, Fridrich – TÚNYI, Igor. O možnosti modelovať vplyvy geomagnetickej aktivity na človeka umelou neurónovou sieťou. In 17. *Celoštátneho slnečného seminára : zborník, SÚH, Hurbanovo, 2005*. Hurbanovo : Slovenská ústredná hviezdáreň, 2004. S. 203–206.
21. VALACH, Fridrich – VÁCZYOVÁ, Magdaléna – DOLINSKÝ, Peter. New Slovak Geomagnetic Repeat Station Network. In: *Proceedings XIth IAGA Workshop on Geomagnetic Observatory Instruments, data acquisition and Processing*, Kakioka and Tsukuba (Japan), p. 224-229, 2004.
22. VALACH, Fridrich – VÁCZYOVÁ, Magdaléna – DOLINSKÝ, Peter. Zmeny geomagnetického poľa na území Slovenska od polovice 19. storočia. In ŠÍŠKA, B. et al. *Zmeny podnebia – extrémny počasia – organizmy a ekosystémy = Climate change – weather extremes – organism and ecosystems : international bioclimatological workshop 2004 : zborník príspevkov z bioklimatologických pracovných dní 2004*. Viničky, 23.-26. 8. 2004. [elektronický zdroj]. Slovenská poľnohospodárska univerzita : Nitra, 2004. ISBN 80-8069-402-8. [8] S. Elektronický zborník na CD ROM.
23. VALACH, Fridrich – VÁCZYOVÁ, Magdaléna – DOLINSKÝ, Peter. Variations of the Geomagnetic Field over the Territory of Slovakia. In: *3rd International Conference on Applications of Natural, Technological and Economical Sciences*, [elektronický zdroj]. Berzsényi Dániel College, Szombathely (Hungary), 2004 . [8] S. Elektronický zborník na CD ROM.

Štatistika

AEC	Vedecké práce v zahraničných rec. vedeckých zborníkoch	15
AED	Vedecké práce v domácich rec. vedeckých zborníkoch	8

Spolu		23

b/ nerecenzovaných

1. BIELIK, Miroslav – KOVÁČ, Michal – HÓK, Jozef – ŠUJAN, Marek – LABÁK, Peter – MOCZO, Peter – ŠEFARA, Ján – PLAŠIENKA, Dušan – DÉREROVÁ, Jana. Integrated interpretation of geophysical fields: regional implications for EMO nuclear power plant. In: BIELIK, M. – MOCZO, P. (Eds.). *Proceedings of the Second international conference Science and Technology for Safe Development of Lifeline Systems Natural Risks: Earthquakes and Co-seismic Associated Risks, Neotectonics and Seismic Hazard Assessment in the CEI Area, Oct. 24-25, 2005*. Bratislava : Geophysical Insstitute of the Slovak Academy of Sciences and Comenius University, 2005. P. 25-31. ISBN: 80-223-2116-8.
2. HÓK, Jozef – ŠUJAN, Marek – BIELIK, Miroslav – Nagy, A. Integrated Interpretation of geophysical fields: near region and site vicinity implications for mochove nuclear power plant. In BIELIK, M. – MOCZO, P. (Eds.). *Proceedings of the Second international conference Science and Technology for Safe Development of Lifeline Systems Natural Risks: Earthquakes and Co-seismic Associated Risks, Neotectonics and Seismic Hazard Assessment in the CEI Area, Oct. 24-25, 2005*. Bratislava : Geophysical Insstitute of the Slovak Academy of Sciences and Comenius University, 2005. P 74-87. ISBN: 80-223-2116-8.
3. JUHÁSOVÁ, Emília – MATYS, Mirko – FRANKOVSKÁ, Jana – LABÁK, Peter. Cooperative approach of geotechnical and earthquake engineering in seismic input assessment. In: BIELIK, M. – MOCZO, P. (Eds.). *Proceedings of the Second international conference Science and Technology for Safe Development of Lifeline Systems Natural Risks: Earthquakes and Co-seismic Associated Risks, Neotectonics and Seismic Hazard Assessment in the CEI Area, Oct. 24-25, 2005*. Bratislava : Geophysical Insstitute of the Slovak Academy of Sciences and Comenius University, 2005. P. 91-97. ISBN: 80-223-2116-8.
4. KLUČIAROVÁ, Denisa – GREGOROVÁ, Dagmar – TÚNYI, Igor. Magnetic susceptibility: a proxy method of estimating increased pollution. In HYBNER, P. – MARUŠKOVÁ, A. (red.). *Zborník prednášok : 6. Banskštiavnické dni 2004*. Zvolen : Technická univerzita vo Zvolene, I. - december 2004. S. 62-64. ISBN 80-228-1485-7.
5. LABÁK, Peter – PEKEVSKI, Lazo – RADOVANOVICH, S. Real-time data exchange and analysis in the Central and SE Europe. In: BIELIK, M. – MOCZO, P. (Eds.). *Proceedings of the Second international conference Science and Technology for Safe Development of Lifeline Systems Natural Risks: Earthquakes and Co-seismic Associated Risks, Neotectonics and Seismic Hazard Assessment in the CEI Area, Oct. 24-25, 2005*.

Bratislava : Geophysical Institute of the Slovak Academy of Sciences and Comenius University, 2005. P. 110-116. ISBN: 80-223-2116-8.

Štatistika

AEE	Vedecké práce v zahraničných nerecenzovaných vedeckých zborníkoch	0
AEF	Vedecké práce v domácich nerecenzovaných vedeckých zborníkoch	5

Spolu		5

Prednášky a vývesky na vedeckých podujatiach s min. 30% zahraničnou účasťou

14h Conference on Upper Tertiary (Brno, Česká republika, September 23-24, 2004)

1. [KMC] TÚNYI, Igor – MÁRTON, Emő – VASS, Dionýz – ŽEC, Branislav. Results of paleomagnetic study in the Vihorlatské vrchy Mts. (East Slovakia).
2. [KMC] TÚNYI, Igor – VASS, Dionýz – KAROLY, Stanislav – JANOČKO, Juraj – BELÁČEK, Boris. The Age precision of the Salt-Bearing Zbudza formation (Badenian, East Slovakian Basin).

2nd Workshop on Earthquake Engineering for Nuclear Facilities, Uncertainties in Seismic Hazard Assessment (Trieste, Italy, February 14-25, 2005)

3. [KMA] LABÁK, Peter. Probabilistic Seismic Hazard Assessment for Bohunice and Mochovce Nuclear Power Plant (Slovakia) Sites

Dynamic theories of deformation and gravity fields : workshop on deformation and gravity change: indicators of isostasy, tectonics, volcanism and climate, Working Group ICCT2 on “Dynamic theories of deformation and gravity fields” (Lanzarote, Canary Islands, Spain, March 1–4, 2005)

4. [KMB] VAJDA, Peter – BRIMICH, Ladislav. Merapi 1997–2002 gravity and deformation data: Temporal pattern recognition in search for magma source processes.

From disks to Planets: observations, models and theories (Pasadena, California, March 7–10, 2005)

5. [KMC] TÚNYI, Igor – GUBA, Peter – ROTH, Ladislav, Emanuel – TIMKO, Milan.. Planetesimal aggregation driven by impulse fields in protoplanetary nebulae.

**Evaporace a evapotranspirace : vedecký seminár
(Brno, Česká republika, 23.-24. marca 2005)**

6. [KMA] MATEJKA, František – HURTALOVÁ, Taťjana. Vzťah medzi potenciálnou a referenčnou evapotranspiráciou.

**2nd Workshop on European Geomagnetic Repeat Station Survey 2004-2005.
(Varšava, Poľsko, April 6-8, 20005)**

7. [KMC] VALACH, Fridrich – VÁCZYOVÁ, Magdaléna – DOLINSKÝ, Peter. About the Slovak Geomagnetic Repeat Station Network.

**3rd Meeting of the Central European Tectonics studie Group (CETeG) : 10th Meeting of the Czech Tectonic Studies GROUP (ČTS) HUNTEK-2005
(Eger-Felsőtárkány, April 14-17, 2005)**

8. [KMC] HROUDA, František – KOHÚT, Mojmír – GREGOROVÁ, Dagmar. Coaxia, magnetic fabrics the basement rocks of the Western Carpathians: a remmant of the variscan structure within the Alpine edifice.

**EGU General Assemby 2005
(Vienna, Austria, April 24 –29, 2005)**

9. [KMB] BIELIK, Miroslav and the CELEBRATION 2000 POTENTIAL FIELD TEAM, 2005. Gravity map of Central Europe CELEBRATION 2000 area.
10. [KMB] BONNEFOY-CLAUDET, Sylvette – CORNOU, C. – OHRNBERGER, M. – WATHELET, M. – BARD, Pier Yves – COTTON, F. – MOCZO, Peter – KRISTEK, Jozef – FAEH, D. Nature of the seismic noise wavefield: implications for H/V and array processing methods.
11. [KMB] BONNEFOY-CLAUDET, Sylvette – KRISTEK, Jozef – MOCZO, Peter – ROVELLI, A. – KRISTEKOVÁ, Miriam. 3D numerical modeling of earthquake motion in Colfiorito basin during the Umbria-Marche, Italy, seismic sequence.
12. [KMB] GÁLIS, Martin – KRISTEK, Jozef – MOCZO, Peter – BARD, Pier Yves – KRISTEKOVÁ, Miriam. Seismic motion in Grenoble valley for two hypothetical earthquakes: a 3D hybrid simulation.
13. [KMC] HROUDA, František – KOHÚT, Mojmír – GREGOROVÁ, Dagmar. Coaxia, magnetic fabrics the basement rocks of the Western Carpathians: a remmant of the variscan structure within the Alpine edifice.
14. [KMC] LABÁK, Peter – JOSWIG, M. – FOJTÍKOVÁ, Lucia – DEWEZ, P. Detection capability of 3-component seismic stations and tripartite mini-arrays: CTBT monitoring of artificial nanoevents with M<0.
15. [KMB] MATEJKA, František – HURTALOVÁ, Taťjana – ROŽNOVSKÝ, Jaroslav. Effect od field crops on soil water content in root zone.

16. [KMC] ONDRÁŠKOVÁ, A. – KOSTECKÝ, Pavel – ŠEVČÍK, Sebastián. – ROSENBERG, L. – KOHÚT, Igor. The model calculations of Schumann eigenmode frequencies and possible changes during solar proton events.

**Člověk ve svém pozemském a kosmickém prostředí
(Úpice, Česká republika, 17.-19. mája 2005)**

17. [KMB] PRIGANCOVÁ, Alina – FELDSTEIN, Ya. I. Dynamika okolozemské Plazmy počas magnetickej búrky.
18. [KMB] VALACH, Fridrich – TÚNYI, Igor. Umelá neurónová sieť ako moderný nástroj štúdia biomagnetizmu.

**5th International Conference
(Smolenice Castle, Slovakia, May 15-19, 2005)**

19. [KMB] ONDRÁŠKOVÁ, A. – ŠEVČÍK, Sebastián – ROSENBERG, L. – KOSTECKÝ, Pavel – TURŇA, Ľ. – KOHÚT, Igor. The detection of magnetic field component of schumann eigenmodes using search coil sensors at Modra observatory. MEASUREMENT 2005.

**International Conference on Application of Natural-, Technological- and Economical Sciences
(Szombathely, Hungary, May 28, 2005)**

20. [KMB] VALACH, Fridrich. – VÁCZYOVÁ, Magdaléna. – TÚNYI, Igor. Biomagnetic Relations Modelled by Artificial Neural Networks.

**Geodynamics of Central Europe 2005 : Workshope CELEBRATION 2000
(Zakopane, Poland, May 29- June 3, 2005)**

21. [KMB] BIELIK, Miroslav – GRABOVSKA, T. – BOJDYS, G. – CSICSAY, K. – WYBRANIEC, S. – ŠEFARA, Ján. – VOZÁR, Ján. Density modelling along the profile CEL01.
22. [KMB] DÉREROVÁ Jana – BIELIK, Miroslav – ZEYEN, Hermann – VOZÁR, Ján ŠEFARA, Ján. Integrated gravity, geothermal and isostatic modeling along the profiles CEL04 and CEL05.
23. [KMB] SZALAI OVÁ, V. – KATONA, M. – POTFAJ, M. – VOZÁR, Ján – BIELIK, Miroslav – TKÁČOVÁ, H. Interpretation of new geophysical sections in the Northern part of Western Carpathians (Conclusion of the CARTA-project, Slovak part).
24. [KMB] WYBRANIEC, S. – BIELIK, Miroslav – MEURERS, B. – ŠVANCARA, J. – KLOSKA, K. Maps of potential fields in the CELEBRATION 2000 region.

Workshop: Recent developments on earthquake engineering issued from Euroseisrisk experiment
(Thessaloniki, Greece, June 21 –22, 2005)

25. [KMB] FRANEK, Peter – MOCZO, Peter – BARD, Pier, Yves – KRISTEK, Jozef – KRISTEKOVÁ, Miriam. 3D FD Modeling of Seismic Motion in the Valley near Volvi Lake.

IAGA Scientific Assembly 2005
(Toulouse, Francúzsko, July 18 – 29, 2005)

26. [KMB] PRIGANCOVÁ, Alina – STARKOV, G. V. – VOROBJEV, V. G. – FELDSTEIN, Ya. I. – GROMOVA, L. – LEVITIN, A. Regions of plasma precipitation from the magnetosphere to the ionospheric altitudes and dynamics of their boundaries during a magnetic storm.

Bioklimatologie súčasnosti a budúcnosti : 15. československá bioklimatologická konferencie
(Křtiny. Brno – Křtiny, Česká republika, 12. - 14. septembra 2005)

27. [KMB] BIČÁROVÁ, Svetlana. Prízemný ozón v podmienkach extrémne teplého počasia.
28. [KMB] MATEJKA, František – HURTALOVÁ, Taťjana – ROŽNOVSKÝ, Jaroslav. Vplyv porastov poľných plodín na sezónnu dynamiku pôdnej vlhkosti.
29. [KMB] OSTROŽLÍK, Marian. Rozptýlené žiarenie v Mlyňanoch.
30. [KMB] PRIBULLOVÁ, Anna – CHMELÍK, Miroslav. Rekonštrukcia časového radu UV-B žiarenia na Skalnatom Plese v období 1961-2004.
31. [KMB] PRIGANCOVÁ, Alina – VALACH, Fridrich – VÁCZYOVÁ, Magdaléna. Premennivosť kozmického počasia a jeho predpoveď.

SPICE R&T Workshop II
(Smolenice castle, Slovakia, September 4-10. 2005)

32. [KMC] KRISTEKOVÁ, Miriam – KRISTEK, Jozef – MOCZO, Peter – Di GIULIO, G. – ROVELLI, A. 3D numerical modeling of earthquake motion in Colfiorito basin during the Umbria-Marche, Italy, seismic sequence: I. Data analysis.
33. [KMC] GÁLIS, Martin – MOCZO, Peter – KRISTEK, Jozef. Numerical Behavior of the FD-Fe Transition zone in the 3d hybrid modeling of earthquake motion.
34. [KMA] MOCZO, Peter – AMPUERO, J. P. – KRISTEK, Jozef – GÁLIS, Martin. The spice code validation.

**Earthquake engineering in the 21st century
(Ohrid, Macedonia, August 27– September 1, 2005)**

35. [KMB] PEKEVSKI, Lazo – LABÁK, Peter – ČERNIH, D.– BYSTRICKÝ, Erik – TUNTEV, A. – CIPCIAR, Andrej. Macedonian seismological network and the real-time data exchange in the SE Europe.

**Earthquake Monitoring and Seismic Hazard Mitigation in Balkan Countries
(Borovetz, Bulgaria, September 11-17, 2005)**

36. [KMB] PEKEVSKI, Lazo – LABÁK, Peter. Monitoring of earthquake in Macedonia and real-time data exchange in Balkan area.

**15. konferencia slovenských a českých fyzikov.
(Viničky-Košice, Slovenská republika, 5. – 8. septembra 2005).**

37. [KMC] TÚNYI, Igor. Instructive view of gravity.

**The 25th NIPR Symposium on Polar Geoscience
(Tokyo, Japan, October 13-14, 2005)**

38. [KMB] DOLINSKÝ Peter – YAMAZAKI, A. – FUNAKI Minoru – ISHIKAWA, N. Interpretation of Magnetic Anomaly at Richardson Lake, Antarctica.

**Second International Conference Science and Technology for Safe Development of Lifeline Systems Natural Risks: Earthquakes and Co-seismic Associated Risks, Neotectonics and Seismic Hazard Assessment in the CEI Area
(Bratislava, Slovakia October 24-25, 2005)**

39. [KMB] BIELIK, Miroslav – KOVÁČ, Michal – HÓK, Jozef – ŠUJAN, M. – LABÁK, Peter – MOCZO, Peter – ŠEFARA, Ján – PLAŠIENKA, Dušan – DÉREROVÁ, Jana. Integrated interpretation of geophysical fields: regional implications for EMO nuclear power plant.
40. [KMB] HÓK, Jozef – ŠUJAN, M. – BIELIK, Miroslav – NAGY, A. Integrated Interpretation of geophysical fields: near region and site vicinity implications for Mochovce nuclear power plant.
41. [KMB] JUHÁSOVÁ, E. – MATYS, M.– FRANKOVSKÁ J.– LABÁK, Peter. Cooperative approach of geotechnical and earthquake engineering in seismic input assessment.
42. [KMB] LABÁK, Peter – PEKEVSKI, Lazo – RADOVANOVICH, S. Real-time data exchange and analysis in the Central and SE Europe.
43. [KMC] LABÁK, Peter – JOSWIG, M. – FOJTÍKOVÁ, Lucia – DEWEZ, P. Detection capability of a 3-component seismic station and tripartite mini-arrays: CTBT monitoring of artificial nanoevents.

44. [KMC] S. BONNEFOY-CLAUDET, Sylvette – KRISTEKOVÁ, Miriam – KRISTEK, Jozef – MOCZO, Peter – DI GIULIO, G. – ROVELLI, A. 3D numerical modeling of earthquake motion in Colfiorito basin during the Umbria-Marche, Italy, seismic sequence: I. Data analysis.
45. [KMC] GÁLIS, Martin – MOCZO, Peter – KRISTEK, Jozef. Numerical Behavior of the FD-Fe Transition zone in the 3d hybrid modeling of earthquake motion.
46. [KMB] MOCZO, Peter – GÁLIS, Martin – KRISTEK, Jozef. 3D Hybrid FE-FD Modeling of Earthquake Motion.

**6th Experimental Advance Course for Seismologists, OSI Division, CTBO
(Stupava, Slovenská republika, 24-28. októbra 2005)**

47. [KMA] LABÁK, Peter. Overview of Seismic Investigation Techniques: Passive and Active Seismometry.

**Transport vody, chemikálií a energie v systéme pôda-rastlina-atmosféra : 13 posterový deň s medzinárodnou účasťou
(Bratislava, Slovensko, 11. novembra 2005)**

48. [KMC] BIČÁROVÁ, Svetlana. Prízemný ozón v rôznom environmentálnom prostredí.
49. [KMC] HURTALOVÁ, Tatjana – MATEJKA, František. Prúdenie vzduchu nad smrekovým porastom.
50. [KMC] MATEJKA, František – POKORNÝ, Radek – HURTALOVÁ, Tatjana – JANOUŠ, Dalibor. Vplyv vysokých evaporačných požiadaviek ovzdušia na evapotranspiráciu smrekového porastu.
51. [KMC] OSTROŽLÍK, Marian. Časová premenlivosť rozptýleného žiarenia v Mlyňanoch.
52. [KMC] PRIBULLOVÁ, Anna – CHMELÍK, Miroslav. Rekonštrukcia časového radu UV-B žiarenia na Skalnatom Plese v období 1961 – 2004.

**COST 727
(Sofia, Bulgaria, November 28–30, 2005)**

53. [KMB] OSTROŽLÍK, Marian. Results of the atmospheric icing measurement at Lomnický štít.

**AGU Fall Meeting
(San Francisco , USA, December 5–9, 2005)**

54. [KMC] MOCZO, Peter – AMPUERO, J. P. – KRISTEK, Jozef – GÁLIS, Martin. – DAY, S. M. – IGEL, H - KRISTEKOVÁ, Miriam. The European network SPICE code validation.
55. [KMC] KRISTEK, Jozef - MOCZO, Peter – GÁLIS, Martin. A new accurate finite-difference scheme based on the optimally accurate operators and boundary-condition consistent material parameterization.
56. [KMC] IGEL, H. – BARSCH, R. – MOCZO, Peter – VILOTTE, J. P. – CAPDEVILLE, Y. – VYE, E. The EU SPICE Project: a digital library with codes and training material in computational seismology.

Štatistika

KMB	Prihlásené referáty na medzinárodných vedeckých konferenciách	29
KMC	Postery zo zahraničných konferencií	22
KMA	Vyžiadané (pozvané) referáty na medzinárodných vedeckých konferenciách	4

Spolu		56

Ostatné prednášky a vývesky

**6. Slovenská geofyzikálna konferencia : geodynamika – geofyzika – geodézia
(Bratislava, Slovenská republika, 28 – 29. júna 2005)**

1. [KNB] BEDNÁRIK, Martin – KOHÚT, Igor. Fourierove metódy pre elastické teleso obdĺžnikového prierezu deformované tiažou.
2. [KNB] BIELIK, Miroslav – VOZÁR, Ján. Čo je nové v medzinárodnom seizmickom projekte CELEBRATION 2000?
3. [KNB] BIELIK, Miroslav – DÉREROVÁ, Jana – ŠEFARA, Ján – MAKARENKO, I. – STAROSTENKO, I. – LEGOSTAEVA, O. Zdokonalenie 3D hustotných modelov karpatsko–panónskych povrchových hustotných nehomogenít a ich gravitačné účinky.
4. [KNB] BRIMICH, Ladislav – CHARCO, M. – KOHÚT, Igor – KOSTELECKÝ, Pavel – FERNÁNDEZ, J. Vplyv regionálnej topografie na povrchové posunutia a zmeny tiažového zrýchlenia spôsobené pod povrchovými tepelnými zdrojmi.

5. [KNB] DÉREROVÁ, Jana – BIELIK, Miroslav – ZEYEN, Hermann. Nové výsledky integrovaného geofyzikálneho modelovania litosféry v karpatsko–pannónskej oblasti.
6. [KNB] BRIMICH, Ladislav – DUDÁŠOVÁ, Viera. Výskum deformácií zemskej kôry na slapovej stanici vo Vyhniciach.
7. [KNB] FRANEK, Peter – MOCZO, Peter – KRISTEK, Jozef – KRISTEKOVÁ, Miriam. Modelovanie seizmického pohybu v sedimentárnom bazéne pri jazere Volvi pri Thessalonikách: 3D efekt v “2D” štruktúre.
8. [KNB] GÁLIS, Martin – KRISTEK, Jozef – MOCZO, Peter – BARD, Pier Yves – KRISTEKOVÁ, Miriam. Hybridné modelovanie seizmického pohybu.
9. [KNB] GREGOROVÁ, Dagmar. Človek v elektromagnetickom poli: normy a riziká.
10. [KNB] HVOŽDARA, Milan. Magnetická anomália spôsobená magnetickým polpriestorom, v ktorom sa nachádza valcová nehomogenita odlišnej permeability.
11. [KNC] KLUČIAROVÁ, Denisa – GREGOROVÁ, Dagmar – TÚNYI, Igor. Magnetic susceptibility as indicator of environmental pollution.
12. [KNB] KOSTELECKÝ, Pavel – ROSENBERG, L – KOHÚT, Igor. Modelovanie elektromagnetického poľa v rezonátore Zem – spodná ionosféra metódou konočených prvkov.
13. [KNB] KRISTEK, Jozef – MOCZO, Peter. Účasť slovenskej seizmológie v medzinárodných projektoch.
14. [KNB] KRISTEKOVÁ, Miriam – MOCZO, Peter – KRISTEK, Jozef – BONNEFOY–CLAUDET, S. Časovo–frekvenčná analýza a jej aplikácie na analýzu seizmických signálov.
15. [KNC] LABÁK, Peter – JOSWIG, M. – FOJTÍKOVÁ, Lucia – DEWEZ, P. Detection capability of 3-component seismic stations and tripartite mini-arrays: CTBT monitoring of artificial nanoevents with $M < 0$.
16. [KNB] LABÁK, Peter – MOCZO, Peter – KRISTEK, Jozef. Pokrok v monitorovaní zemetrasení na Slovensku.
17. [KMB] MOCZO, Peter – Kristek, Jozef. Zhrnutie realistického útlmu a reologické modely.
18. [KNB] ORLICKÝ, Oto. Príspevok k objasneniu zdroja morských magnetických anomálií.
19. [KNB] PAŠTEKA, Roman – RICHTER, Peter – VRZBA, M.– KARCOL, R. – ČAJKA, M. Mikrogravimetrický prieskum veľkej terasy Oravského zámku.
20. [KNB] PÁNISOVÁ, Jaroslava – VAJDA, Peter. Praktické porovnanie vzorcov na výpočet normálneho tiažového zrýchlenia v bode pozorovania s dôrazom na územie Slovenska.

21. [KNC] PEKÁREK, I. – GREGOROVÁ, Dagmar. Tectonic deformation of the Southern part of Bratislava granitoid massif: evidence from structural and magnetic fabric.
22. [KNC] PRIGANCOVÁ, Alina – VALACH, Fridrich – VÁCZYOVÁ, Magdaléna. Geomagnetic activity at the solar cycle 23 minimum.
23. [KNC] SMETANOVÁ, Iveta – HOLÝ, Karol – POLAŠKOVÁ, Anna – TÚNYI, Igor, STEINITZ, Gideon. Radon monitoring at Modra AGO – the first results. 2005.
24. [KNC] VALACH, Fridrich – VÁCZYOVÁ, Magdaléna – DOLINSKÝ, Peter. Terénne geomagnetické merania na sekulárnych bodoch na Slovensku pre epochu 2004.
25. [KNB] VAJDA, Peter – MEURERS, B. Nepriamy geofyzikálny účinok.
26. [KNB] VAJDA, Peter. O používaní anomálie tiaže v geofyzike.
27. [KNB] VAJDA, Peter – PÁNISOVÁ, Jaroslava. Practical comparison of formulae for computing normal gravity at the observation point with emphasis on the territory of Slovakia.
28. [KNC] VÁCZYOVÁ, Magdaléna – VALACH, Fridrich. Vplyv geomagnetickej aktivity na presnosť geomagnetických meraní.

6. Banskštiavnické dni 2004

(Zvolen, Slovenská republika, 6. - 8. októbra 2004)

29. [KNC] KLUČIAROVÁ, Denisa – GREGOROVÁ, Dagmar – TÚNYI, Igor. Magnetic susceptibility: a proxy method of estimating increased pollution.

7. Banskštiavnické dni

(Modra-Piesky, Slovenská republika, 5. – 7. októbra, 2005)

30. [KNB] SMETANOVÁ, Iveta – HOLÝ, Karol – TÚNYI, Igor – STEINITZ, Gideon. Sledovanie zmien objemovej aktivity ^{222}Rn vo vode a v ovzduší vrtov v Astronomickom geofyzikálnom observatóriu UK v Modre-Piesky.

Štatistika

KNB	Prihlásené referáty na domácich vedeckých konferenciách	22
KNC	Prihlásené postery na domácich vedeckých konferenciách	8
ONB	odborných seminároch	

Spolu		30

Ostatné vydávané periodiká

1. HVOŽDARA, Milan (ved. red.) – BRIMICH, Ladislav (zodp. red.) – BIELIK, Miroslav (zostav.) – BOĎA, Ján (zostav.) – BRESTENSKÝ, Jozef (zostav.) – GAJDOŠ, Vojtech (zostav.) – HEFTY, Ján (zostav.) – HURTALOVÁ, Tatjana (zostav.) – MOCZO, Peter (zostav.) – MOIZEŠ, Marcel (zostav.) – PANÁČEK, Adrián (zostav.) – PRIGANCOVÁ, Alina (zostav.) – SIRÁŇ, Gustáv (zostav.) – ŠEFARA, Ján (zostav.) – ŠEVČÍK, Sebastián (zostav.) – TÚNYI, Igor (zostav.) – VÖRÖS, Zoltán (zostav.). *Contributions to geophysics and geodesy : a journal of geophysics, geodesy, meteorology and climatology*. ISSN 1335-2806. Vol. 35, 2005. (R)

Štatistika

	Redakčné a zostavovateľské práce	
FAI	(bibliografie, časopisy, encyklopédie, katalógy, slovníky, zborníky...)	1

Spolu		1

Ostatné vydávané neperiodiká – ročenky

1. OSTROŽLÍK, Marian. *Meteorological observatories Skalnaté Pleso and Stará Lesná. Year-book 2004*. Bratislava : Geofyzikálny ústav SAV, 2005. 34 s.

Štatistika

	Redakčné a zostavovateľské práce	
FAI	(bibliografie, časopisy, encyklopédie, katalógy, slovníky, zborníky...)	1

Spolu		1

Vydané alebo evidované zborníky z vedeckých podujatí

1. BIELIK, Miroslav – MOCZO, Peter. (Eds.) *Proceedings of the Second international conference Science and Technology for Safe Development of Lifeline Systems Natural Risks: Earthquakes and Co-seismic Associated Risks, Neotectonics and Seismic Hazard Assessment in the CEI Area, October 24-25, 2005*. Bratislava : Geophysical Insstitute of the Slovak Academy of Sciences and Comenius University, 2005. 203 p. ISBN: 80-223-2116-8.
2. BIELIK, Miroslav – MOCZO, Peter. (Eds.) *The Second International Conference Science and technology for Safe Development of Lifeline Systems. Natural Risks: earthquakes and Co/seismic Associated risks, Neotectonics and Seismic Hazard Assessment in the CEI Area. Proceedings of the Workshop, October 24-25, 2005*. [elektronický zdroj] Bratislava, Geophysical Institute, Slovak Academy of Sciences and

Comenius University Bratislava, 203. CD ISBN: 80-223-2117-6. Elektronický zborník na CD-ROM.

3. ČELKOVÁ, Anežka – MATEJKA, František *Transport vody, chemikálií a energie v systéme pôda-rastlina-atmosféra : 13th international poster day, 10. 11. 2005.* [elektronický zdroj]. Bratislava : ÚH SAV a Geofyzikálny ústav SAV, 2004. ISBN 80-85754-13-4. Elektronický zborník na CD-ROM. (R)
4. MOCZO, Peter – LABÁK, Peter – KRISTEK, Jozef (Eds.). *SPICE R&T Workshop II: proceedings of the Workshop – Abstract Book. Seismic Wave Propagation and Imaging in Complex Media: a European Network – Spice R&T Workshop II. September 4-10, 2005, Smolenice.* Bratislava : FMFI UK a GFÚ SAV. 2005. 64 p. ISBN 80-223-2074-9 (R)

Štatistika

	Redakčné a zostavovateľské práce	
FAI	(bibliografie, časopisy, encyklopédie, katalógy, slovníky, zborníky...)	4

Spolu		4
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BIELIK, Miroslav

Počet citácií: 10

LILLIE, Robert J. - BIELIK, Miroslav - BABUŠKA, Vladislav - PLOMEROVÁ, Jaroslava. Gravity modelling of the Lithosphere in the Eastern Alpine-Western Carpathian Pannonian Basin Region. In *Tectonophysics*. ISSN 0040-1951. Vol. 231, no. 4 (1994), p. 215-235.

Ohlasy:

1. [1] PEPE, F. – BERTOTTI, G. - CLOETINGH, Sird. Tectono-stratigraphic modelling of the North-Sicily continental margin (southern Tyrrhenian Sea). In *Tectonophysics*, ISSN 0040-1951, 2004, Vol. 384, no. 1-4, p. 257-273, SCI
2. [1] EBBING, J. The crustal structure of the Eastern Alps from a combination of 3D gravity modelling and isostatic investigations. In *Tectonophysics*, ISSN 0040-1951, 2004, Vol. 380, no. 1-2, p. 89-104, SCI
3. [1] SPERNER, B. – IOANE, D. - LILLIE, R. J. Slab behaviour and its surface expression: new insights from gravity modelling in the SE-Carpathians. In *Tectonophysics*, ISSN 0040-1951, 2004, Vol. 382, no. 1-2, p. 51-84, SCI

BIELIK, Miroslav. Continental convergence in the area of the Western Carpathians on the basis of density modeling. In *Geologica Carpathica*. ISSN 1335-0552. Vol. 46, no. 1 (1995), p. 3-12.

Ohlasy:

4. [1] SPERNER, B. – IOANE, D. - LILLIE, R. J. Slab behaviour and its surface expression: new insights from gravity modelling in the SE-Carpathians. In *Tectonophysics*, ISSN 0040-1951, 2004, Vol. 382, no. 1-2, p. 51-84, SCI

KOVÁČ, Michal - BIELIK, Miroslav - LEXA, Jaroslav - PERESZLÉNYI, Miroslav - ŠEFARA, Ján - TUNYI, Igor - VASS, Dionýz. The Western Carpathian intramontane basins. In *Geological Evolution of the Western Carpathians*. Bratislava : Geocomplex, 1997. S. 43-65. ISBN 80-967018-7-8

Ohlasy:

5. [2] BAUMGART-KOTARBA M. – MARCAK, H. - MÁRTON, Emő. Rotation along the transverse transforming Orava strike-slip fault: Based on geomorphological, geophysical and paleomagnetic data (Western Carpathians). In *Geologica Carpathica*, ISSN 1335-0552, 2004, Vol. 55, no. 3, p. 219-226, SCI

BIELIK, Miroslav - ŠEFARA, Ján - SOTÁK, Ján - BEZÁK, Vladimír - KUBEŠ, Peter. Deep structure of the Western and Eastern Carpathian junction. In RAKÚS, Miloš. *Geodynamic development of the Western Carpathians*. Bratislava : Dionýz Štúr Publishers, Geological Survey of Slovak Republic, 1998. ISBN 80-85314-94-0. P. 259-271.

Ohlasy:

6. [2] BAUMGART-KOTARBA M. – MARCAK, H. - MÁRTON, Emő. Rotation along the transverse transforming Orava strike-slip fault: Based on geomorphological,

geophysical and paleomagnetic data (Western Carpathians). In *Geologica Carpathica*, ISSN 1335-0552, 2004, Vol. 55, no. 3, p. 219-226, SCI

BIELIK, Miroslav - ZEYEN, Hermann - LANKREIJER, Anco. Integrated modelling and rheological study of the Western Carpathians. In *Geologica Carpathica*. ISSN 1335-0552. Vol. 50, special issue (1999), p. 142-143.

Ohlasy:

7. [2] BAUMGART-KOTARBA, M. – MARCAK, H. - MÁRTON, Emő. Rotation along the transverse transforming Orava strike-slip fault: Based on geomorphological, geophysical and paleomagnetic data (Western Carpathians). In *Geologica Carpathica*, ISSN 1335-0552, 2004, Vol. 55, no. 3, p. 219-226, SCI

BIELIK, Miroslav. Geophysical features of the Slovak Western Carpathians: A review. In *Kwartalnik Geologiczny : Geological Quarterly*. ISSN 0023-5873. Vol. 43, no. 3 (1999), p. 251-262.

Ohlasy:

8. [1] SPERNER, B. - IOANE, D. - LILLIE, R. J. Slab behaviour and its surface expression: new insights from gravity modelling in the SE-Carpathians. In *Tectonophysics*, ISSN 0040-1951, 2004, Vol. 382, no. 1-2, p. 51-84, SCI
9. [1] GRABOWSKA, T. – BOJDYS G. Analysis of geomagnetic field along seismic profile P4 of the International Project POLONAISE'97. In *Tectonophysics*, ISSN 0040-1951, 2004, Vol. 383, no. 1-2, p. 15-28, SCI

BIELIK, Miroslav - DÉREROVÁ, Jana - ZEYEN, Hermann. New approach for determination of the Western Carpathian lithospheric thermal structure. In *Geologica Carpathica*. ISSN 1335-0552. Vol. 53, special issue (2002), s. 117-119.

Ohlasy:

10. [2] BAUMGART-KOTARBA, M. – MARCAK, H. - MÁRTON, Emő. Rotation along the transverse transforming Orava strike-slip fault: Based on geomorphological, geophysical and paleomagnetic data (Western Carpathians). In *Geologica Carpathica*, ISSN 1335-0552, 2004, Vol. 55, no. 3, p. 219-226, SCI

DÉREROVÁ, Jana

Počet citací: 1

ZEYEN, Hermann - DÉREROVÁ, Jana - BIELIK, Miroslav. Determination of the continental lithospheric thermal structure in the Western Carpathians: integrated modelling of surface heat flow, gravity anomalies and topography. In *Physics of the Earth and Planetary Interiors*. ISSN 0031-9201. Vol. 134, no. 1-2 (2002), p. 89-104.

Ohlasy:

11. [1] MAJOROWICZ, J. A. Thermal lithosphere across the trans-european suture zone in Poland In *Geological Quarterly*, ISSN 0278-7407, 2004, Vol. 48, No. 1, p. 1-13, SCI
-

GUBA, Peter. On the finite-amplitude steady convection in rotating mushy layers
Journal of Fluid Mechanics. ISSN 0022-1120.) Vol. 437 (2001), p. 337-365.

Ohlasy:

12. [1] RIAHI, D.N. On Stationary and Oscillatory Modes of Flow Instability in a Rotating Porous Layer during Alloy Solidification. In *Journal of Porous Media*. ISSN 1091-028X, 2003, Vol. 6, no. 3, p 177-187.
13. [1] RIAHI, D.N. Nonlinear steady convection in rotating mushy layers. In *Journal of Fluid Mechanics*. ISSN 0022-1120, 2003, Issue 485, p. 279-306.
14. [1] ŠIMKANIN, J. – BRESTENSKÝ, J. – ŠEVČÍK, J. Problem of the rotating magnetoconvection in variously stratified fluid layer revisited. In *Studia Geophysica et Geodaetica*. ISSN 0039-3169, 2003, Vol. 47, no. 4, p. 827-845.
15. [1] GOVENDER, S. On the linear stability of large Stefan number convection in rotating mushy layers for a new Darcy equation formulation. In *Transport in Porous Media*. ISSN, 2003, Vol. 51, no. 2, p. 173-189.

HURTALOVÁ, Tatjana - MATEJKA, František. Surface characteristics and energy fluxes above different plant canopies. In *Agricultural and Forest Meteorology*. ISSN 0168-1923. Vol. 98-99, no. 1-4 (1999), p. 491-500. (1.183 - IF1998).

Ohlasy:

16. [1] BARBER, J.L. – KERSTIENS, G. – JONES, K.C. Current issues and uncertainties in the measurement and modelling of air-vegetation exchange and within-plant processing of POPs. In *Environmental Pollution*, ISSN 0269-7491, 2004, Vol. 128, no. 1-2, p. 99-138, SCI

HURTALOVÁ, Tatjana – MATEJKA, František – JANOUSH, Dalibor – ROŽNOVSKÝ, Jaroslav. 2001: Air flow over a young spruce forest stand II. Experimental determination of the roughness length and zero plane displacement. In *Beskydy : The Beskids Bulletin*. 2001, p. 77-82.

Ohlasy:

17. [2] HAVRÁNKOVÁ, K. – SEDLÁK, P. Wind velocity analysis for mountainous site Bílý Kříž. *Ekológia (Bratislava)*, Vol. 23, Supplement 2/2004, 46-54.
-

HVOŽDARA, Milan

Počet citácií: 1

ČAJAGI, Edo – HVOŽDARA, Milan. Modelling of the electromagnetic induction for three-dimensional prism in a two-layered earth by the method of integral equations. In *Contributions of the Geophysical Institute of the Slovak Academy of Sciences*, ISSN 0586-4607, 1993, Vol. 23, p. 136-148.

Ohlasy:

18. [1] KOBZOVA, V. M. – LADANIVSKYY, B. T. – MOROZ, I. P. Physical modeling of the geoelectromagnetic field. In *Izvestiya, Physics of the Solid Earth*. ISSN 1069-3513. 2003, Vol. 39, no. 1, p. 38-47, SCI
-

KÖHLER, Eduard

Počet citácií: 1

GROSS, P. – KÖHLER, Eduard – MELLO, Ján – HRAŠKO, J. – HALOUZKA, R. – NAGY, A. Geológia južnej a východnej Oravy. Bratislava : GÚDŠ, 1993. p. 4- 319.

Ohlasy:

19. [2] BAUMGART-KOTARBA, M. – MARCAK, H. - MÁRTON, Emő. Rotation along the transverse transforming Orava strike-slip fault: Based on geomorphological, geophysical and paleomagnetic data (Western Carpathians). In *Geologica Carpathica*, ISSN 1335-0552, 2004, Vol. 55, no. 3, p. 219-226, SCI
-

KRISTEK, Jozef

Počet citácií: 2

KRISTEK, Jozef – MOCZO, Peter – IRIKURA, K. – IWATA, T. – SEKIGUCHI, H. The 1995 Kobe mainshock simulated by 3D finite differences. In Irikura, K. et al. (Eds.). Vol. 3 : *The Effect of Surface Geology on Seismic Motion*. Balkema : Rotterdam, The Netherlands, 1999, p. 1361-1368. ISBN 90-5809-030-2.

Ohlasy:

20. [1] KOMATITSCH, D. – LIU, Q. – TROMP, J. – SÜSS, P. – STIDHAM, C. – SHAW, J.H. Simulation of ground motion in the Los Angeles basin based upon the spectral-element method. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2004, Vol. 94, no. 1, p. 187-206, SCI

KRISTEK, Jozef – MOCZO, Peter – ARCHULETA, Ralph J. Efficient methods to simulate planar free surface in the 3D 4th-order staggered-grid finite-difference schemes. In *Studia Geophysica et Geodaetica*. ISSN 0039-3169. Vol. 46, no, 2 (2002), p. 355-381.

Ohlasy:

21. [1] CHÁVEZ-GARSÍA, F. J. Site effects in Parkway Basin: Comparison between observations and 3-D modelling. In *Geophysical Journal International*, ISSN 0956-540X, 2003, Vol. 154, no. 3, p. 633-646, SCI
-

LABÁK, Peter – BROUČEK, Ivan. Catalogue of macroseismically observed earthquakes on the territory of Slovakia. Version 1996. In *Manuscript*. Bratislava : Geophysical Institute SAS, 1996. 15 p.

Ohlasy:

22. [1] BIELIK, Miroslav - ŠEFARA, Ján - KOVÁČ, Michal - BEZÁK, Vladimír - PLAŠIENKA, Dušan. The Western Carpathians - interaction of Hercynian and Alpine processes. In *Tectonophysics*, ISSN 0040-1951, 2004, Vol. 393, no. 1-4, p. 63-86, SCI

LABÁK, Peter. Earthquake catalogue of Slovakia. Manuscript, Geophysical Bratislava : Geophysical Institute of SAS, 1998.

23. [1] GRUNTHAL, G. – WAHLSTROM, R. An M-w based earthquake catalogue for central, northern and northwestern Europe using a hierarchy of magnitude conversions. In *Journal of Seismology*, ISSN 1383-4649, 2003, Vol. 7, no. 4, p. 507-531, SCI

GRÜNTAL, G. – BOSSE, CH. – CAMELBEECK, T. – DE CROOK, T. – GARIEL, J. C. – GREGERSEN, S. – GUTERCH, B. – HALLDORSSON, P. – LABÁK, Peter – LINDHOLM, C. – LENHARDT, W. – MÄNTYNIEMI, P. – MAYER-ROSA, D. – MUSSON, R. M. W. – SCHENK, V. – SCHENKOVÁ, Z. – SLEJKO, D. – VERBEIREN, R. – WAHLSTRÖM, R. – ZABUKOVEC, B. – ZÍROS, T. Seismic hazard assessment for Central, North and Northwest Europe: GSHAP Region 3. In *Annali di Geofisica*. ISSN 0365-2556. Vol. 42 (1999), p. 999-1011.

Ohlasy:

24. [1] HUSEBYE, E. S. – KEBEASY, T. R.M. A re-assessment of the 31st of August 1819 Luroy earthquake - Not the largest in NW Europe In *Norwegian Journal of Geology*, ISSN 0029-196X, 2004, Vol. 84, no. 1, p. 57-66, SCI

STŘELCOVÁ, Kateřina - MATEJKA, František - MINĎÁŠ, Jozef
Estimation of beech transpiration in relation to their social status in forest stand. Journal of Forest Science. Vol. 48, 2002, no. 3, p. 130-140.

25. [1] SCHUME, H. – JOST, G. – HAGER, H. Soil water depletion and recharge patterns in mixed and pure forest stands of European beech and Norway spruce. *Journal of Hydrology*. ISSN 0022-1694. 2004, Vol. 289, No. 1-4, p. 258-274, SCI

MOCZO, Peter – BARD, Pier Yves – PŠENČÍK, I. Seismic response of a two-dimensional absorbing structure by the ray method. In *Journal of Geophysics-Zeitschrift für Geophysik*. ISSN 0340-062X. Vol. 62, no. 1 (1987), p. 38-49.

Ohlasy:

26. [1] DINEVA, P.S. – MANOLIS, G.D.– RANGELOV, T.V. Transient seismic wave propagation in a multilayered cracked geological region. In *Journal Sound and Vibration*, ISSN 0022460X., 2004, Vol. 273, no. 1-2, p. 1-32, SCI

MOCZO, Peter. Finite-difference technique for SH-waves in 2-D media using irregular grids - application to the seismic response problem. *Geophysical Journal International* ISSN 0956-540X. Vol. 99, no. 2 (1989), p. 321-329.

Ohlasy:

27. [1] OLIVEIRA, S. A. M. A fourth-order finite-difference method for the acoustic wave equation on irregular grids. In *Geophysics*, ISSN 0033-4553, 2003, Vol. 68, no. 2, p. 672-676, SCI
28. [1] SUN, W. – YANG, H. Z. Elastic wavefield calculation for heterogeneous anisotropic porous media using the 3-D irregular-grid finite-difference. *Acta Mechanica Solida Sinica*, ISSN 0894-9166, 2003, Vol. 16, no. 4, p. 283-299, SCI
29. [1] HUSTEDT, B. et al. A multi-level direct-iterative solver for seismic wave propagation modelling: space and wavelet approaches. In *Geophysical Journal International*, ISSN 2003, Vol. 155, no. 3, p. 953-980, SCI
30. [1] KANG, T.-S. – BAAG, CH.-E. Finite-difference seismic simulation combining discontinuous grids with locally variable timesteps. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2004, Vol. 94, no. 1, p. 207-219, SCI
31. [1] KANG, T.-S. – BAAG, CH.-E. An efficient finite-difference method for simulating 3D seismic response of localized basin structures. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2004, Vol. 94, no. 5, p. 1690-1705, SCI
32. [1] ZHANG, J. F. Elastic wave modelling in heterogeneous media with high velocity contrasts. In *Geophysical Journal International*, ISSN 0956-540X, 2004, Vol. 159, no. 1, p. 223-239, SCI
33. [1] SUN, W. T. – YANG, H. Z. Simulation seismic wave propagation in topographic structures using asymmetric staggered grids. In *Applied Mathematics and Mechanics-English Edition*, ISSN 0253-4827, 2004, Vol. 25, no. 7, p. 751-760, SCI
34. [1] WU, C. L. – HARRIS, J. M. Cross-well seismic modeling with inclusion of tube waves and tube-wave-related arrivals. In *Geophysical Research Letters*, ISSN 0094-8276, 2004, Vol. 31, no. 11, Art. No. L11606, SCI

ZÁHRADNÍK, J. – JECH, J. – MOCZO, Peter. Approximate absorption corrections for complete SH seismograms. In *Studia geophysica et geodaetica*, ISSN 0039-3169. Vol. 34, (1990), p. 185-196. Reprinted in *Studia geophysica et geodaetica*, 2002, Special Issue, p. 133-146.

Ohlasy:

35. [1] DALEY, P. F. – KREBES, E. S. SH wave propagation in viscoelastic media. In *Studia geophysica et geodaetica*, ISSN 0039-3169, 2004, Vol. 48, no. 3, p. 563-587, SCI

ZÁHRADNÍK, J. – MOCZO, Peter – HRON, F. Testing four elastic finite-difference schemes for behavior at discontinuities. *Bulletin of the Seismological Society of America*. ISSN 0037-1106. Vol. 83, no. 1 (1993), p. 107-129.

36. [1] HESTHOLM, S. Elastic wave modeling with free surfaces: Stability of long simulations. In *Geophysics*, ISSN 0033-4553, 2003, Vol. 68, no. 1, p. 314-321, SCI
37. [1] YAMASHITA, T. Regularity and complexity of aftershock occurrence due to mechanical interactions between fault slip and fluid flow. In *Geophysical Journal International*, ISSN 0956-540X, 2003, Vol. 52, no. 1, p. 20-33, SCI
38. [1] GRAVES, R.W. et al. Stability and accuracy analysis of coarse-grain viscoelastic simulations. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2003, Vol. 93, no. 1, p. 283-300, SCI
39. [1] YANG, D. – TENG, J. – ZHANG, Z. – LIU, E. A nearly analytic discrete method for acoustic and elastic wave equations in anisotropic media. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2003, Vol. 93, no. 2, p. 882-890, SCI
40. [1] KOMATITSCH, D. – LIU, Q. – TROMP, J. – SÜSS, P. – STIDHAM, CH. – SHAW, J. H. Simulations of ground motion in the Los Angeles basin based upon the spectral-element method. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2004, Vol. 94, no. 1, p. 187-206, SCI
41. [1] YANG, D. – LU, M. – WU, R. – PENG, J. An optimal nearly analytic discrete method for 2D acoustic and elastic wave equations. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2004, Vol. 94, no. 5, p. 1982-1991, SCI

MOCZO, Peter – BARD, Pier Yves. Wave diffraction, amplification and differential motion near strong lateral discontinuities. In *Bulletin of the Seismological Society of America*. ISSN 0037-1106, Vol. 83, no. 1 (1993), p. 85-106.

Ohlasy:

42. [1] ORTEGA, R. – HERRMANN, R.B. – QUINTANAR, L. Earthquake ground-motion scaling in central Mexico between 0.7 and 7 Hz. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2003, Vol. 93, no. 1, p. 397-413., SCI
43. [1] KEBEASY, T. R. M. – HUSEBYE, E. S. A finite-difference approach for simulating ground responses in sedimentary basins: Quantitative modelling of the Nile Valley,

Egypt. In *Geophysical Journal International*, ISSN 0956-540X, 2003, Vol. 154, no. 3, p. 913-924, SCI

- 44. [1] KEBEASY, T. R. M. – HUSEBYE, E. S. Revising the 1759 Kattégat earthquake questionnaires using synthetic wavefield analysis. In *Physics of the Earth and Planetary Interiors*, ISSN 0031-9201, 2003, Vol. 139, no. 3-4, p. 269-284., SCI
- 45. [1] ADAMS, B.M. – OSBORNE, N. M. – TABER, J. J. The basin-edge effect from weak ground motions across the fault-bounded edge of the Lower Hutt Valley, New Zealand. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2003, Vol. 93, no. 6, p. 2703-2716, SCI

ZAHRADNÍK, J. – MOCZO, Peter. Hybrid seismic modeling based on discrete-wave number and finite-difference methods. In *Pure and Applied Geophysics*. ISSN 0033-4553, Vol. 148, no. 1-2 (1996), p. X2-38.

Ohlasy:

- 46. [1] BOUCHON, M. A review of the discrete wavenumber method. In *Pure and Applied Geophysics*, ISSN 0033-4553, 2003, Vol. 160, no. 3-4, p. 445-465, SCI
- 47. [1] BIELAK, J. – LOUKAKIS, K. – HISADA, Y. – YOSHIMURA, C. Domain reduction method for three-dimensional earthquake modeling in localized regions, part I: Theory. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2003, Vol. 93, no. 2, p. 817-824, SCI
- 48. [1] YOSHIMURA, C. – BIELAK, J. – HISADA, Y. – FERNÁNDEZ, A. Domain reduction method for three-dimensional earthquake modeling in localized regions, part II: Verification and applications. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2003, Vol. 93, no. 2, p. 825-840, SCI

MOCZO, Peter - LABÁK, Peter - KRISTEK, Jozef - HRON, F. Amplification and differential motion due to an antiplane 2D resonance in the sediment valleys embedded in a layer over the halfspace. In *Bulletin of the Seismological Society of America*. ISSN 0037-1106. Vol. 86, no. 5 (1996), p. 1434-1446.

- 49. [1] KANG, T.-S. – BAAG, CH.-E. An efficient finite-difference method for simulating 3D seismic response of localized basin structures. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2004, Vol. 94, no. 5, p. 1690-1705, SCI
- 50. [1] ZHANG, J. F. Elastic wave modelling in heterogeneous media with high velocity contrasts. In *Geophysical Journal International*, ISSN 0956-540X, 2004, Vol. 159, no. 1, p. 223-239, SCI
- 51. [1] CHÁVEZ-GARCÍA, F. J. Site effects in Parkway Basin: Comparison between observations and 3-D modelling. In *Geophysical Journal International*, ISSN 0956-540X, 2003, Vol 154, no. 3, p. 633-646, SCI

MOCZO, Peter – BYSTRICKÝ, Erik – KRISTEK, Jozef – CARCIONE, J. M. – BOUCHON, M. Hybrid modeling of P-SV seismic motion at inhomogeneous viscoelastic topographic structures. In *Bulletin of the Seismological Society of America*. ISSN 0037-1106. Vol. 87, no. 5 (1997), p. 1305-1323.

52. [1] KOMATITSCH, D. – LIU, Q. – TROMP, J. – SÜSS, P. – STIDHAM, CH. – SHAW, J. H. Simulation of ground motion in the Los Angeles basin based upon the spectral-element method. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2004, Vol. 94, no. 1, p. 187-206, SCI
53. [1] MA, S. – ARCHULETA, R. J. – LIU, P. Hybrid modeling of elastic P-SV wave motion: a combined finite-element and staggered-grid finite-difference approach. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2004, Vol. 94, no. 4, p. 1557-1563, SCI
54. [1] KANG, T.-S. – BAAG – CH.-E. An efficient finite-difference method for simulating 3D seismic response of localized basin structures. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2004, Vol. 94, no. 5, p. 1690-1705, SCI
55. [1] ZHANG, J. F. Elastic wave modelling in heterogeneous media with high velocity contrasts. In *Geophysical Journal International*, ISSN 0956-540X, 2004, Vol. 159, no. 1, p. 223-239, SCI
56. [1] MANOLIS, G. D. – DINEVA, P. S. – RANGELOV, T. V. Wave scattering by cracks in inhomogeneous continua. *International Journal of Solids and Structures*, ISSN, 2004, Vol. 41, no. 14, p. 3905-3927, SCI
57. [1] HUANG Z. P. – ZHANG, M. – WU, W. Q. – DONG, L.G. A domain decomposition method for numerical simulation of the elastic wave propagation. In *Chinese Journal of Geophysics-Chinese Edition*, ISSN 0001-5733. Vol. 47, no. 6, p. 1094-1100, SCI
58. [1] BIELAK, J. – LOUKAKIS, K. – HISADA, Y. – YOSHIMURA, C. Domain reduction method for three-dimensional earthquake modeling in localized regions, part I: Theory. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2003, Vol. 93, no. 2, p. 817-824, SCI
59. [1] YOSHIMURA, C. – BIELAK, J. – HISADA, Y. – FERNÁNDEZ, A. Domain reduction method for three-dimensional earthquake modeling in localized regions, part II: Verification and applications. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2003, Vol. 93, no. 2, p. 825-840, SCI
60. Del VALLE-GARCÍA, R. – SÁNCHEZ-SESMA, F.J. Rayleigh waves modeling using an elastic lattice model. In *Geophysical Research Letters*, ISSN 0094-8276, 2003, Vol. 30, no. 16, p. 12-1, SCI
61. [1] CHÁVEZ-GARCÍA, F. J. Site effects in Parkway Basin: Comparison between observations and 3-D modelling. In *Geophysical Journal International*, ISSN 0956-540X, 2003, Vol 154, no. 3, p. 633-646, SCI

62. [1] MANOLIS, G. D. Elastic wave scattering around cavities in inhomogeneous continua by the BEM. In *Journal of Sound and Vibration*, ISSN 0022-460X, 2003, Vol. 266, no. 2, p. 281-305, SCI
63. [1] RIPPERGER, J. – IGEL, H. – WASSERMAN, J. Seismic wave simulation in the presence of real volcano topography. In *Journal of Volcanology and Geothermal Research*, ISSN 0377-0273, 2003, Vol. 128, no. 1-3, p. 31-44, SCI
64. [1] FU, L.-Y. Numerical study of generalized Lipmann-Schwinger integral equation including surface topography. In *Geophysics*, 2003, Vol. 68, no. 2, p. 665-671., SCI

MOCZO, Peter. Introduction to modeling seismic wave propagation by the finite-difference method. *Lecture Notes*. Kyoto University, 1998.

65. [1] MA, S. – ARCHULETA, R. J. – LIU, P. Hybrid modeling of elastic P-SV wave motion: a combined finite-element and staggered-grid finite-difference approach. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2004, Vol. 94, no. 4, p. 1557-1563, SCI

MOCZO, Peter - LUCKÁ, Mária - KRISTEK, Jozef - KRISTEKOVÁ, Miriam. 3D displacement finite differences and a combined memory optimization. In *Bulletin of the Seismological Society of America*. ISSN 0037-1106. Vol. 89, no. 1 (1999), p. 69-79.

66. [1] TADI, M. Finite volume method for 2D elastic wave propagation. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2004, Vol. 94, no. 4, p. 1500-1509, SCI
67. [1] MINKOFF, S.E. Spatial parallelism of a 3D finite difference velocity-stress elastic wave propagation code. In *SIAM Journal of Scientific Computing*, 2003, ISSN... Vol. 24, no. 1, p. 1-19, SCI

MOCZO, Peter – KRISTEK, Jozef – HALADA, Ladislav. 3D Fourth-order staggered-grid finite-difference schemes: Stability and grid dispersion. In *Bulletin of the Seismological Society of America*. ISSN 0037-1106. Vol. 90, no. 3 (2000), p. 587-603.

68. [1] KANG, T.-S. – BAAG, Ch.-E. Finite-difference seismic simulation combining discontinuous grids with locally variable timesteps. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2004, Vol. 94, no. 1, p. 207-219. (SCI).
69. [1] SAENGER, E. H. – BOHLEN, T. Finite-difference modeling of viscoelastic and anisotropic propagation using the rotated staggered grid. In *Geophysics*, ISSN 0033-4553, 2004, Vol. 69, no. 2, p. 583-591, SCI
70. [1] TADI, M. Finite volume method for 2D elastic wave propagation. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2004, Vol. 94, no. 4, p. 1500-1509, SCI
71. [1] KANG, T.-S.– BAAG, Ch.-E. An efficient finite-difference method for simulating 3D seismic response of localized basin structures. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2004, Vol. 94, no. 5, p. 1690-1705, SCI

72. [1] HESTHOLM, S. Elastic wave modeling with free surfaces: Stability of long simulations. In *Geophysics*, ISSN 0033-4553, 2003, Vol. 68, no. 1, p. 314-321, SCI
73. [1] FESTA, G. – NIELSEN, S. PML absorbing boundaries. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2003, Vol. 93, no. 2, p. 891-903, SCI
74. [1] CHÁVEZ-GARCÍA, F.J. Site effects in Parkway Basin: Comparison between observations and 3-D modelling. In *Geophysical Journal International*, ISSN 0956-540X, 2003, Vol 154, no. 3, p. 633-646, SCI

MOCZO, Peter – KRISTEK, Jozef – BYSTRICKÝ, Erik. Efficiency and optimization of the 3-D finite-difference modeling of seismic ground motion. In *Journal of Computational Acoustics*. ISSN . Vol. 9, no. 2 (2001), p. 593-609.

Ohlasy:

75. [1] BIELAK, J. – LOUKAKIS, K. – HISADA, Y. – YOSHIMURA, C. Domain reduction method for three-dimensional earthquake modeling in localized regions, part I: Theory. *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2003, Vol. 93, no. 2, p. 817-824, SCI
76. [1] Komatitsch, D. – Tromp, J. A perfectly matched layer absorbing boundary condition for the second-order seismic wave equation. In *Geophysical Journal International*, ISSN 0956-540X, 2003, Vol. 154, no. 1, p. 146-153, SCI

MOCZO, Peter – KRISTEK, Jozef – VAVRYČUK, V. – ARCHULETA, Ralf J. – HALADA, Ladislav. 3D heterogeneous staggered-grid finite-difference modeling of seismic motion with volume harmonic and arithmetic averaging of elastic moduli and densities. In *Bulletin of the Seismological Society of America*. ISSN 0037-1106. Vol. 92, no. 8 (2002), p. 3042-3066.

Ohlasy:

77. [1] SAENGER, E. H. – BOHLEN, T. Finite-difference modeling of viscoelastic and anisotropic propagation using the rotated staggered grid. In *Geophysics*, ISSN 0033-4553, 2004, 69 (2), 583-591. (SCI)
78. [1] ZHANG, J. F. Elastic wave modelling in heterogeneous media with high velocity contrasts. In *Geophysical Journal International*, ISSN 0956-540X, 2004, Vol. 159, no. 1, p. 223-239. (SCI).
79. [1] OLSEN, K.B. – Day, S. M. – Bradley, C. R. Estimation of Q for long-period (>2 sec) waves in the Los Angeles basin. In *Bulletin of the Seismological Society of America*, ISSN 0037-1106, 2003, Vol. 93, no. 2, p. 627-638, SCI
80. [1] CHÁVEZ-GARCÍA, F. J. Site effects in Parkway Basin: Comparison between observations and 3-D modelling. In *Geophysical Journal International*, ISSN 0956-540X, 2003, Vol. 154, no. 3, p. 633-646, SCI

POHÁNKA, Vladimír

Počet citací: 4

POHÁNKA, Vladimír. Optimum expression for computation of the gravity field of a polyhedral body with linearly increasing density. In *Geophysical Prospecting*. ISSN a 0016-8025. Vol. 46, no. 4 (1998), p. 391-404.

Ohlasy:

81. [1] AN, Y. L. – HUANG J. M. – CHEN Y. D. Forward computation of the magnetic field of a 3D body with arbitrary and continually varying magnetization. In *Geophysical Prospecting*, ISSN 0016-8025, 2004, Vol. 52, no. 1, p. 49-63, SCI

POHÁNKA, Vladimír. Application of the harmonic inversion method to the Kolářovo gravity anomaly. In *Contributions to Geophysics and Geodesy*, Vol. 31, no. 4 (2001), p. 603-620.

82. [1] HOLSTEIN, H. Gravimagnetic anomaly formulas for polyhedra of spatially linear media. *Geophysics*, ISSN 0016-8103, 2003, Vol. 68, no. 1, p. 157-167.
83. [1] TSOULIS, D – WZIONTEK, H. – PETROVIČ, Š. A bilinear approximation of the surface relief in terrain correction computations. In *Journal of Geodesy*, ISSN 0949-7714, 2003, Vol. 77, no. 5-6, p. 338-344.
84. [1] AN, Y. – HUANG, J. – CHEN, Y. Forward computation of the magnetic field of a 3D body with arbitrary boundary and continually varying magnetization. In *Geophysical Prospecting*, ISSN 0016-8025, 2004, Vol. 52, no. 1, p. 49-6, SCI.

PRIGANCOVÁ, Alina

Počet citací: 1

PISARSKIJ, V. Yu. - FELDSTEIN, Ya. I. - RUDNEVA, N. M. - PRIGANCOVÁ, Alina. Ring current and interplanetary medium parameters. In *Studia geophysica et geodaetica*. ISSN 0039-3169. Vol. 33, no. 1. (1989), p. 61-80.

Ohlasy:

85. [1] MALTSEV, Y. P. Points of controversy in the study of magnetic storms. In *Space science reviews*, ISSN 0038-6308, 2004, Vol. 110, no. 3-4, p. 227-267, SCI
-

KOVÁČ, Michal - MÁRTON, Emő - ŠEFARA, Ján - KONEČNÝ, Vlastimil - LEXA, Jaroslav. Miocene development of the Carpathian chain and the Pannonian basin: Movement trajectory of lithospheric fragments, subduction and diapiric uprise of asthenospheric mantle. In *Slovak Geological Magazine*. Vol. 6, no. 2-3 (2000), p. 77-84

Ohlasy:

86. [1] PLAŠIENKA, D. Development of basement-involved fold and thrust structures exemplified by the Tatric-Fatric-Veporic nappe system of the Western Carpathians (Slovakia). In *Geodinamica Acta*. Vol. 16, no. 1 (2003), p. 305-320.
87. [1] BÖHME, Madelaine. The Miocene Climatic Optimum: evidence from ectothermic vertebrates of Central Europe. In *Palaeogeography, Palaeoclimatology, Palaeoecology*, ISSN 0031-0182, 2003, Vol. 195, 3-4, 2003, p. 389-401, SCI

ŠEFARA, Ján - BIELIK, Miroslav - BEZÁK, Vladimír. Interpretation of the West Carpathians lithosphere on the basis of geophysical data. In *Geodynamic development of the Western Carpathians*. - Bratislava : GS SR, 1998. S. 273-280. - ISBN 80-85314-94-0.

Ohlasy:

88. [2] BAUMGART-KOTARBA M. – MARČAK, H. - MÁRTON, Emő. Rotation along the transverse transforming Orava strike-slip fault: Based on geomorphological, geophysical and paleomagnetic data (Western Carpathians). In *Geologica Carpathica*, ISSN 1335-0552, 2004, Vol. 55, no. 3, p. 219-226, SCI

PLAŠIENKA, Dušan - PUTIŠ, Marián - KOVÁČ, Michal - ŠEFARA, JÁN - HRUŠECKÝ, I. Zones of Alpidic subduction and crustal underthrusting in the Western Carpathians. - (ISSN 0369-2086) In: Grečula, P., Hovorka, D., Putiš, M. (eds.) : *Geological Evolution of the Western Carpathians*. - Bratislava : Geocomplex, 1997. - S. 35-42. ISBN 80-967018-7-8

89. [1] CSONTOS, L. - VÖRÖS, A. Mesozoic plate tectonic reconstruction of the Carpathian region Paleogeography, Paleoclimatology, Paleoeology, ISSN 0031-0182, 210, Issue 1, 2004, s. 1-56, SCI
90. [1] NÉMETH, Z. - PROCHASKA, W. - RADVANEC, M. - KOVÁČIK, M. - MADARÁS, J. - KODĚRA, P. - HRAŠKO, Ľ. Magnesite and talc origin in the sequence of geodynamic events in Veporicum, Inner Western Carpathians, Slovakia. In *Acta Petrologica Sinica*, ISSN 1000-0569, 2004, 20, Issue 4, p. 837-854 – SCI, Scopus

MÁRTON, Emő – PAGÁČ, Pavol – TÚNYI, Igor. Paleomagnetic investigations on late Cretaceous-Cenozoic sediments from the NW part of the Pannonian Basin. In *Geologica Carpathica*. ISSN 1335-0552. Vol. 43, no. 6 (1992), Pages 363-368.

Ohlasy:

91. [1] CSONTOS, L. – VÖRÖS, A. Mesozoic plate tectonic reconstruction of the Carpathian region . (2004) In *Palaeogeography, Palaeoclimatology, Palaeoecology*, ISSN 0031-0182, Vol. 210, 2004, no. 1, p. 1-56, SCI

AUBRECHT, R. - TÚNYI, Igor. Original orientation of neptunian dykes in the Pieniny Klippen Belt (Western Carpathians): the first results. In *Contributions to geophysics and geodesy : a journal of geophysics, geodesy, meteorology and climatology*. ISSN 1335-2806. Vol. 31, no. 3 (2001), p. 557-578.

Ohlasy:

92. [1] GOLONKA, J. Plate tectonic evolution of the southern margin of Eurasia in the Mesozoic and Cenozoic. In *Tectonophysics*, ISSN 0040-1951, 2004, Vol. 381, no. 1-4, p. 235-273, SCI

VAJDA, Peter

Počet citácií: 5

VANÍČEK, P. – KLEUSBERG, A. – MARTINEC, Z. – SUN, W. – ONG, P. – NAJAFI, M. – VAJDA, Peter – HARRIE, L. – TOMÁŠEK, P. – HORST, B. Compilation of a precise regional geoid. In Final report, geodetic survey division, Fredericton, Canada, 1995.

93. [1] TENZER, R. Discussion of mean gravity along the plumbline. In *Studia geophysica et geodaetica*, ISSN 0039-3169, Vol. 48, no. 2 (2004), p. 309-330, SCI

VANÍČEK, Petr - SUN, W. - ONG, P. - MARTINEC, Z. - VAJDA, Peter. Downward continuation of Helmert's gravity. In *Journal of Geodesy*. ISSN 0949-7714. Vol. 71, no. 1 (1996), p. 21-34.

94. [1] JEKELI, C. – SERPAS, J. G. Review and numerical assessment of the direct topographical reduction in geoid determination (2003) In *Journal of Geodesy*, ISSN 0949-7714, Vol. 2003, Vol. 77, no. 3, p. 226-239, SCI

95. [1] TENZER, R. Discussion of mean gravity along the plumbline. In *Studia Geophysica et Geodaetica*, ISSN 0039-3169, 2004, Vol. 48, no. 2, p. 309-330. SCI.

96. [1] SJÖBERG, L. E. The ellipsoidal corrections to the topographic geoid effects. In *Journal of Geodesy*, ISSN 0949-7714, 2004, Vol. 77, no. 12, p. 804-808, SCI.

VAJDA Peter – VANÍČEK, P. On gravity inversion for point mass anomalies by means of the truncated geoid. In *Studia geophysica et geodaetica*. ISSN 0039-3169. Vol. 41, no. 4 (1997), p. 329-344.

97. [1] ANTUNES, C. – PAIL, R. – CATALAO, J. Point mass method applied to the regional gravimetric determination of the geoid. In *Studia Geophysica et Geodaetica*, ISSN 0039-3169, 2003, Vol. 47, no. 3, p. 495-509, SCI.

Štatistika

1	Citácie v zahraničných publikáciách, registrované v citačných indexoch	90
2	Citácie v domácich publikáciách, registrované v citačných indexoch	7

Spolu		97

Citácie podľa iných indexov a báz s uvedením prameňa

BIELIK, Miroslav

Počet citácií: 1

BIELIK, Miroslav. Geophysical features of the Slovak Western Carpathians: a review
In *Geological Quarterly*. ISSN 00235873. Vol. 43, no. 3 (1999), pp. 273-280. 251-262

Ohlasy:

1. [3] CWOJDZINSKI, S. The tectonic structure of the continental lithosphere considered in the light of the expanding Earth theory - A proposal of a new interpretation of deep seismic data. In *Polish Geological Institute Special Papers*, (2003), Vol. 9, p. 1, Scopus

HURTALOVÁ, Tat'jana

Počet citácií: 2

HURTALOVÁ, Tat'jana - MATEJKA, František. Surface characteristics and energy fluxes above different plant canopies. In *Agricultural and Forest Meteorology*. ISSN 0168-1923. Vol. 98-99, no. 1-4 (1999), p. 491-500. (1.183 - IF1998).

Ohlasy:

2. [3] BALLARD, J. R. – SMITH, J. A. – KOENIG, G. G. Towards a high temporal frequency grass canopy thermal IR model for background signatures. In *Proceedings of SPIE - The International Society for Optical Engineering*, 2004, Vol. 5431 p. 251-259, Scopus
 3. [3] BALLARD, J. R. – BERRY, T. E. – LEESE, D. L. – ANDERSON, S. C. – BUNCH, L.S. High temporal and spatial thermal infrared characterization of dense grass during high humidity conditions. In *Proceedings of SPIE - The International Society for Optical Engineering*, 2004, Vol. 5431 p. 117-125, Scopus
-

HVOŽDARA, Milan

Počet citácií: 3

ERNST, T. – JANKOWSKI, J. – SEMENOV, V.YU. – ÁDÁM, A. – HVOŽDARA, Milan – JÓŽWIAK, W. – LEFELD, J. (...) – WESZTERGOM, V. Electromagnetic soundings across the Tatra mountains. *Acta Geophysica Polonica*. ISSN 0001-5725. Vol. 45, no. 1 (1997) , p. 33-44.

Ohlasy:

4. [3] STEFANIUK, M. – FLOREK, R. – KLITYN?SKI, W. Structure of the Carpathian basement in the vicinity of the Pieniny Klippen Belt in Poland as a result of magnetotelluric survey. In *Publications of the Institute of Geophysics, Polish Academy of Sciences, Series M: Miscellanea*. Vol. 28, no. 363 (2003), p. 171-172, Scopus
 5. [3] BIELIK, Miroslav – ŠEFARA, Ján – KOVÁČ, Michal – HÓK, Jozef – VOZÁR, Ján – ZEYEN, Hermann. Lithosphere in the Western Carpathians and its surrounding tectonic units - Geophysical study. In *Acta Geodaetica et Geophysica Hungarica*, ISSN 1217-8977, Vol. 39, no. 2-3, Special issue (2004), p. 139-159, Scopus
 6. [3] GUTERCH, A. – GRAD, M. Assessment of the deep geological and geophysical studies performed in Poland 1996-2003 according to the policy of the Ministry of Environment - Part II. In *Przegląd Geologiczny*. ISSN 0033-2151, 2004, Vol. 52, no. 6, p. 468-477, Scopus
-

LABÁK, Peter

Počet citácií: 1

DEBSKI, W. – GUTERCH, B. – LEWANDOWSKA, H. – LABÁK, Peter. Earthquake sequences in the Krynica region, western Carpathians, 1992-1993 *Acta Geophysica Polonica*. ISSN 0001-5725. Vol. 45, no. 4 (1997) , p. 255-290.

7. [3] WIEJACZ, P. Preliminary investigation of the September 21, 2004, earthquakes of Kaliningrad Region, Russia. In *Acta Geophysica Polonica*, ISSN 0001-5725, 2004, Vol. 52, no. 4, p. 425-441, Scopus

OSTROŽLÍK, Marian

Počet citácií: 1

OSTROŽLÍK, Marian. Time variability of global solar radiation in high-mountain regions. Contributions to geophysics and geodesy. ISSN 1335-2806. Vol. 32, no. 3 (2002), p. 277-290.

Ohlasy:

8. [4] LAPIN, Milan. Detection of changes in the regime of selected climatological elements at Hurbanovo. *Contributions to geophysics and geodesy*, ISSN 1335-2806, 2004, Vol. 34, no. 2, p. 169-193, Scopus
-

POHÁNKA, Vladimír

Počet citací: 1

POHÁNKA, Vladimír. Optimum expression for computation of the gravity field a homogeneous polyhedral body. In *Geophysical Prospecting*. ISSN 0016-8025. Vol. 36, no. 7 (1988), p. 733-751. Č. projektu:II-3-3/03

Ohlasy:

9. [4] GRAND, Tomáš – PAŠTEKA, Roman – ŠEFARA, Ján New version of terrain corrections in the Slovak regional gravity database. In : Contributions to geophysics and geodesy, ISSN 1335-2806, 2004, Vol. 34, no. 4, p. 315-337 - Scopus
-

RICHTER, Peter

Počet citací: 1

RICHTER, Peter - PAŠTEKA, Roman. Influence of norms on calculation of regularized derivatives in geophysics. In *Contributions to geophysics and geodesy*. ISSN 1335-2806. Vol. 33, no. 1, 2003, p. 1-16.

Ohlasy:

10. [4] ŠEFARA, Ján - BIELIK, Miroslav. Notes on lithosphere density modeling: main and complementary data and techniques. In : Contributions to geophysics and geodesy, ISSN 1335-2806, 2004, Vol. 34, no. 4, p. 371-380, Scopus
-

TÚNYI, Igor

Počet citací: 5

MÁRTON, Emő - VASS, Dionýz – TÚNYI, Igor. Counterclockwise rotations of the Neogene rocks in the East Slovak Basin. In *Geologica Carpathica*, ISSN 1335-0552, Vol. 51, no. 3 (2000), p. 159-168.

Ohlasy:

11. [3] VERÖ, J. Hungarian national report on Iaga 1999-2002. *Acta Geodaetica et Geophysica Hungarica*, ISSN 12178977, 2003, Vol. 38, no. 2, p. 159-214, Scopus
12. [3] Wéber, Z. Hungarian national report on IASPEI 1999-2002. In *Acta Geodaetica et Geophysica Hungarica*, ISSN 12178977, 2003, Vol. 38, no. 2, p. 239-258, Scopus

AUBRECHT, R. – TÚNYI, Igor. Original orientation of neptunian dykes in the Pieniny Klippen Belt (Western Carpathians): The first results. In *Contributions to geophysics and geodesy*. ISSN 1335-2806. Vo. 31, no. 2 (2001), p. 557-578.

Ohlasy:

13. [3] GOLONKA, J. – KROBICKI, M. – OSZCZYPKO, N. – ŚLACZKA, A. – ŠOMKA, T. Geodynamic evolution and palaeogeography of the Polish Carpathians and adjacent areas during Neo-Cimmerian and preceding events (latest Triassic-earliest cretaceous). In *Geological Society Special Publication*, ISSN 0305-8719, 2003, Issue 208, p. 138-158, Scopus

14. [3] LEWANDOWSKI, M., – KROBICKI, M. – MATYJA, B. – WIERZBOWSKI, A. Palaeogeography and dynamics of the eastern Pieniny Klippen basin (Carpathians, southwestern Ukraine) on the basis of palaeomagnetic data. In *Publications of the Institute of Geophysics, Polish Academy of Sciences, Series M: Miscellanea*, 2003, Vol. 28, Issue 363, p. 137-142, Scopus
15. [3] GOLONKA, J. – KROBICKI, M. Jurassic paleogeography of the Pieniny and Outer Carpathian basins. In *Rivista Italiana di Paleontologia e Stratigrafia*, ISSN 0035-6883 2004 Vol. 110, no. 1, p. 5-14, Scopus

Štatistika

3	Citácie zahraničných publikáciách, registrované. v iných medzinárodných citačných indexoch	12
4	Citácie v domácich publikáciách, registrované v iných medzinárodných citačných indexoch	3
<hr/>		
Spolu		15

Citácie v ostatných časopisoch

BIELIK, Miroslav

Počet citácií: 2

BIELIK, Miroslav. Geophysical features of the Slovak Western Carpathians: a review
In *Geological Quarterly*. ISSN 00235873. Vol. 43, no. 3 (1999), pp. 273-280. 251-262

Ohlasy:

1. [3] SZALAIÓVÁ, Viktória. Analysis and summarizing of gravity data exchange in frames of transborder cooperation between Poland, Czech republic and Slovakia and their density modeling. In *Österreichische Beiträge zu Meteorologie und Geophysik*, ISSN 1016-6254, 2004, Heft 31, p. 125-129.

BIELIK, Miroslav – ŠEFARA, Ján. Deep structure of the Western Carpathians.
In *Krystalinikum : Contributions to the Geology and Petrology of Crystalline Complexes = Arbeiten zu Problem der Geologie und Petrologie von Kristallgebieten*. Ed. Suk, Miloš. Brno : Moravian Museum, 2002. Zv. 28, p. 7-62. – ISBN 80-7028-190-11.

Ohlasy:

2. [4] JANOČKO, Juraj – KOVÁČ, Michal. Tectono-sedimentary evolution of Western Carpathian Tertiary basins. In *Mineralia Slovaca*, ISSN 0369-2086, 2003, Vol. 35, no. 3-4, p. 161-168.
-

ŠEFARA, Ján - BIELIK, Miroslav - KONEČNÝ, Patrik - BEZÁK, Vladimír - HURAI, Vratislav. The latest stage of development of the Western Carpathian Litosphere and its interaction with the asthenosphere (Western Carpathians). In *Geologica Carpathica : International Geological Journal*. ISSN 1335-0552. Vol. 47, no. 6 (1996), p. 339-347.

Ohlasy:

3. [3] SZALAIÓVÁ, V. - ZAHOREC, P. - PEPEL, A. - TKÁČOVÁ, H. - HALÁSZOVÁ, E. - POTFAJ, M. - SEDLÁK, J. et al. Analysis and summarizing of gravity data exchange in frames of transborder cooperation between Poland, Czech republic and Slovakia and their density modeling. In *Österreichische Beiträge zu Meteorologie und Geophysik*, ISSN 1016-6254, 2004, Heft 31, pp. 125-129

HRUŠECKÝ, I. - ŠEFARA, Ján - MASARYK, P. - LINTNEROVÁ, Otília. The structural and facies development and exploration potential of the Slovak part of the Danube Basin. - (EAGE Special Publication No. 5). In: *Oil and Gas in Alpidic Thrustbelts and Basins of Central and Eastern Europe*. - [s. l.] : EAGE, 1996. - S. 417-429

Ohlasy:

4. [4] JANOČKO, Juraj – KOVÁČ, Michal. Tectono-sedimentary evolution of Western Carpathian Tertiary basins. In *Mineralia Slovaca*, ISSN 0369-2086, 2003, Vol. 35, no. 3-4, p. 161-168.

GROSS, P. – KÖHLER, Eduard – SAMUEL, Oto. Nové litostratigrafické členenie vnútrokarpatského paleogénu. In *Geologické práce : správy*, 81, Bratislava, 1984, p. 103-117.

Ohlasy:

5. [4] STÁREK, D. – SLIVA, L. – VOJTKO, O. The channel-leaves sedimentary facies and their synsedimentary deformations. In *Slovak Geological Magazine*. ISSN 1335-96X, 2004, Vol. 10, no. 3, p. 103-117.

[4] BUČEK, S. – FILO, I. Oligocene larger foraminifers in Paleogene sediments westward of Banská Bystrica (Middle Slovakia). In *Slovak Geological Magazine*. ISSN 1335-96X, 2004, Vol. 10, no. 4, p. 277-283.

GROSS, P. – KÖHLER, Eduard – MELLO, Ján – HRAŠKO, J. – HALOUZKA, R. – NAGY, A. Geológia južnej a východnej Oravy. Bratislava : GÚDŠ, 1993. p. 4-319.

Ohlasy:

6. [4] BUČEK, S. FILO, I. Oligocene larger foraminifers in Paleogene sediments westward of Banská Bystrica (Middle Slovakia). In *Slovak Geological Magazine*. ISSN 1335-96X, 2004, Vol. 10, no. 4, p. 277-283.

7. [4] STÁREK, D. – SLIVA, L. – VOJTKO, O. The channel–leves sedimentary facies and their syndimentary deformations. In *Slovak Geological Magazine*. ISSN 1335-96X , 2004, Vol. 10, no. 3, p. 103-117.

Štatistika

3	Citácie zahraničných publikáciách, neregistrované v citačných indexoch	2
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Citácie v monografiách, učebniciach a iných knižných publikáciách

BIELIK, Miroslav

Počet citácií: 6

LILLIE, Robert J. - BIELIK, Miroslav. Crustal development and tectonic models of western Carpathians from gravity interpretation. In *Geologica Carpathica*. ISSN 1335-0552. Vol. 43, no. 2 (1992), p. 63-68.

Ohlasy:

1. [3] KONEČNY, V. - KOVÁČ, M. - LEXA, J. - ŠEFARA, Ján. Neogene evolution of the Carpatho-Pannonian region: an interplay of subduction and back-arc diapiric uprise in the mantle. EGU Stefan Mueller Special Publication Series, 1, 2003, P. 105

LILLIE, Robert J. - BIELIK, Miroslav - BABUŠKA, Vladislav - PLOMEROVÁ, Jaroslava. Gravity modelling of the Lithosphere in the Eastern Alpine-Western Carpathian-Pannonian Basin Region. In *Tectonophysics*. ISSN 0040-1951, 1994, Vol. 231, no. 4, p. 215-235.

Ohlasy:

2. [3] KONEČNY, V. - KOVÁČ, M. - LEXA, J. - ŠEFARA, J. Neogene evolution of the Carpatho-Pannonian region: an interplay of subduction and back-arc diapiric uprise in the mantle. EGU Stefan Mueller Special Publication Series, 1, 2003, P. 105

BIELIK, Miroslav : Estimation of the effective elastic thickness and flexure rigidity in the Western Carpathians. In *Contributions to geophysics and geodesy*. Vol. 25, no. 1 (1995), p. 81-93.

Ohlasy:

3. [3] KONEČNY, V. - KOVÁČ, M. - LEXA, J. - ŠEFARA, Ján. Neogene evolution of the Carpatho-Pannonian region: an interplay of subduction and back-arc diapiric uprise in the mantle. EGU Stefan Mueller Special Publication Series, 1, 2003, P. 105

KOVÁČ, Michal - BIELIK, Miroslav - LEXA, J. - PERESZLÉNYI, Miroslav - ŠEFARA, Ján - TÚNYI, Igor - VASS, Dionýz. The Western Carpathian intramontane basins. In: Geological Evolution of the Western Carpathians. - Bratislava : Geocomplex, 1997. - S. 43-65. - ISBN 80-967018-7-8

Ohlasy:

4. [3] GAWEDA, A. - LEFELD, J. - MICHALÍK, M. - UCHMAN, A. Inner Carpathians: Tatra Mountains. In GOLONKA, J. – LEWANDOWSKI, M. [Eds.] *Geology, Geophysics, Geothermics and deep structure of the West Carpathians and their basement* : Publications of the Institute of Geophysics, Polish Academy of Sciences, Monographic. 2002, Volume, M-28 (363), p. 57-66.
5. [3] SLABY, E. - MICHALÍK, M. Carpathian andesites/Foreland basalts. In GOLONKA, J. – LEWANDOWSKI, M. [Eds.] *Geology, Geophysics, Geothermics and deep structure of the West Carpathians and their basement* : Publications of the Institute of Geophysics, Polish Academy of Sciences, Monographic. 2002, Volume, M-28 (363), p. 167-169.

HRUŠECKÝ, I. - BIELIK, Miroslav - ŠEFARA, Ján - KÚŠIK, D. Slovak part of the Danube basin from geological structure to lithospheric dynamics - defined from seismic profiles. In *Contributions to geophysics and geodesy*. ISSN 1335-2806. Vol. 28, no. 4 (1998), p. 205-226.

Ohlasy:

6. [3] KOVÁČ, M. - ANDREYEVA-GRIGOROVICH, A. S. - BAJRAKTAREVIČ, Z. - BRZOBOHATÝ, R. - FILIPESCU, S. - FODOR, L. - HARZHAUSER, M. - OSZCZYPKO, N. - PAVELIČ, D. - ROGL, F. - SAFTIČ, B. - SLIVA, Ľ. - KVAČEK, P. - HUDÁČKOVÁ, N. - SLAMKOVÁ, M. *Scripta Facultatis Scientiarum Naturalium Universitatis Masarykianae Brunensis. Geology*, 31-32. Brno: Masarykova univerzita, 2004, S. 14, (R)

CIPCIAR Andrej

Počet citácií: 1

CIPCIAR Andrej – LABÁK, Peter – MOCZO, Peter – KRISTEKOVÁ, Miriam. Monitorovanie seizmických javov Národnou sieťou seizmických staníc = Monitoring of Seismic Phenomena by National Seismic Stations Network). Geologické práce. Správy 106. Bratislava : Vyd. D. Štúra, 2002, P. 123-132.

Ohlasy:

7. [3] KLUKANOVÁ Alena – LISCAK, Pavel. National Environmental Monitoring of the Slovak Republic - Part Geological Hazards. In *Lecture Notes in Earth Sciences Publisher: Springer-Verlag GmbH, ISSN: 0930-0317, Volume 104 / 2004, Title: Engineering Geology for Infrastructure Planning in Europe: A European Perspective*. Editors: Robert Hack, Rafiq Azzam, Robert Charlier ISBN: 3-540-21075-X, Chapter: 2004, P. 650 – 656, (R)

HURTALOVÁ, Tat'jana

Počet citací: 1

HURTALOVÁ, Tat'jana - MATEJKA, František. Surface characteristics and energy fluxes above different plant canopies. In *Agricultural and Forest Meteorology*. ISSN 0168-1923. Vol. 98-99, no. 1-4 (1999), p. 491-500. (1.183 - IF1998).

Ohlasy:

8. [3] KAMLEROVÁ, K. Vliv extrémních poklesů teploty vzduchu na teplotní poměry smrkového porostu. In ROŽNOVSKÝ, J. et al (Eds.) *Extrémy počasí a podnebí : sborník ze semináře. Brno 11. 3. 2004*. Brno : Česká bioklimatologická společnost, 2004. [8] S. ISBN 80-86690-12-1. Elektronický zborník na CD ROM, (R)
-

JANKOVIČOVÁ

Počet citací: 1

JANKOVIČOVÁ, Dana - DOLINSKÝ, Peter - VALACH, Fridrich - VÖRÖS, Zoltán. Neural network based nonlinear prediction of magnetic storms. *Journal of Atmospheric and Solar-Terrestrial Physics*. Vol. 64, 2002, no. 5-6, pp. 651-656

Ohlasy:

9. [4] DOROTOVIČ, I. Kozmické počasie – zdroje v jeho zmenách a monitorovacie služby. In *17. Celoštátneho slnečného seminára : The New Picking System, Technical report*. [elektronický zdroj]. Hurbanovo : Slovenská ústredná hviezdáreň, 2004. Elektronický zborník na CD-ROM, (R)
-

MATEJKA, František

Počet citací: 4

SMOLEN, František – MATEJKA, František. Vertical stratification of air temperature in the production space of oak-hornbeam forest (in Slovak). *Ecology*, 1982, Vol. 1, no. 1, p. 25-36.

Ohlasy:

10. [3] KAMLEROVÁ, K. Vliv extrémních poklesů teploty vzduchu na teplotní poměry smrkového porostu. In ROŽNOVSKÝ, J. et al (Eds.) *Extrémy počasí a podnebí : sborník ze semináře. Brno 11. 3. 2004*. Brno : Česká bioklimatologická společnost, 2004. [8] S. ISBN 80-86690-12-1. Elektronický zborník na CD ROM, (R)

MATEJKA, František – HUZULÁK, Jozef. Analýza mikroklimy porastu. Bratislava : VEDA 1987, 232 s.

Ohlasy:

11. [4] ŠPÁNIK, F. – ŠIŠKA, B. Biometeorológia. Nitra : SPU Nitra, 2004, 227 s.

MATEJKA, František. Vplyv meteorologických činiteľov na evapotranspiráciu. In Meteorologické zprávy. ISSN 0026-1173. Roč. 48, no. 3 (1995), p. 87-90.

Ohlasy:

12. [3] JANOUŠ, D. – URBAN, O. – PAVELKA, M. – ACOSTA, M. – HAVRÁNKOVÁ, K. – POKORNÝ, R. – ZVĚŘINOVÁ, Z. – KLIMÁNKOVÁ, Z. Dopad extrémů počasí na tok uhlíku ve smrkovém porostu. In ROŽNOVSKÝ, J. et al (Eds) *Extrémy počasí a podnebí : sborník ze semináře. Brno 11. 3. 2004.* Brno : Česká bioklimatologická společnost, 2004. [10] S. ISBN 80-86690-12-1. Elektronický zborník na CD ROM, (R)

MATEJKA, František – HURTALOVÁ, Tatjana – ROŽNOVSKÝ, Jaroslav – JANOUŠ, Dalibor. In *Vplyv mladého smrekového porastu na príľahlú vrstvu vzduchu.* Bratislava, Polygrafia SAV, 2000, 92 p.

Ohlasy:

13. [3] KAMLEROVÁ, K. Vliv extrémních poklesů teploty vzduchu na teplotní poměry smrkového porostu. In ROŽNOVSKÝ, J. et al (Eds) *Extrémy počasí a podnebí : sborník ze semináře. Brno 11. 3. 2004.* Brno : Česká bioklimatologická společnost, 2004. [8] S. ISBN 80-86690-12-1. Elektronický zborník na CD ROM, (R)

MOCZO, Peter

Počet citácií: 1

MOCZO, Peter – KRISTEK, Jozef – HALADA, Ladislav. 3D Fourth-order staggered-grid finite-difference schemes: Stability and grid dispersion. In *Bulletin of the Seismological Society of America.* ISSN 0037-1106. Vol. 90, no. 3 (2000), p. 587-603.

Ohlasy:

14. [3] FESTA, G. Slip imaging by isochron back projection and source dynamics with spectral element methods. In *Tesi di Dottorato in Geofisica.* Bologna : Università degli Studi di Bologna, 2004, (R)

Štatistika

3	Citácie zahraničných monografiách neregistrované v citačných indexoch	12
4	Citácie v domácich monografiách, neregistrované v citačných indexoch	2
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