

**Conferință invitată/plenară/keynote prezentată la o manifestare științifică internațională
— 2013 —**

- Seghedi I., Lexa J.** 2013. Neogene to Quaternary volcanics in the Carpathian-Pannonian region – their geodynamic setting and petrological aspects, 82, in *GEEWE-C2013 “Geological evolution of the Western Carpathians: new ideas in the field of inter-regional correlations. Geological Institute, Slovak Academy of Sciences.*
- Szakács A.** Volcano instability: causes, processes and consequences. *Basalt2013 International Conference, Gorlitz, April 24-28, 2013*
- Bănescu M.** On the function $\mathfrak{N}(x)$; *Workshop on Algebraic and Analytic Number Theory and Their Applications, Constanta, Romania, 23-24 May 2013*
- Besutiu L.** Geophysical insights on the structure and geodynamic evolution of the SE Carpathians and related foreland in the context of the Black Sea opening; *5th International Scientific Conference “Geophysical Technologies of Geological Media Predicting and Monitoring” (plenary session), Lvov, Ukraine, 1-4 October 2013*

Comunicări orale prezentate la o manifestare științifică internațională

- Niculae, L.**, 2013. The impact of environmental factors on the evolution of the slopes in the Naruja Basin, *Conferința Internațională „Aerul și Apa Componente ale Mediului”, Cluj Napoca, România, 22-23 March 2013*
- Demetrescu C., Dobrica V.**, Space climate characterization via geomagnetic indices. An attempt of integrating solar, heliospheric, and geomagnetic indices at various time-scales, *European Geosciences Union (EGU) General Assembly, Vienna, Austria, 7 – 12 April 2013*
- Dobrica V., Demetrescu C.**, Large-scale lithospheric magnetic anomalies in Europe as revealed by recorded geomagnetic storms at the observatory network, *European Geosciences Union (EGU) General Assembly, Vienna, Austria, 7 – 12 April 2013*
- Greculeasa R., Dobrica V., Demetrescu C.**, Auroral electrojet and magnetospheric ring current effects in the disturbance field recorded at European Observatories, *European Geosciences Union (EGU) General Assembly, Vienna, Austria, 7 – 12 April 2013*
- Stefan C., Demetrescu C., Dobrica V.**, Long-term external effects in annual means from observatory and main field models, *European Geosciences Union (EGU) General Assembly, Vienna, Austria, 7 – 12 April 2013*
- Stanica D. Stanica D.A.**, Possible correlations between the pre-seismic anomalous behaviour of the electromagnetic parameters and the extreme seismic events; Case study: M9 Great Tohoku earthquake on March 11, 2011, *European Geosciences Union (EGU) General Assembly, Vienna, Austria, 7 – 12 April 2013.*
- Suteanu C., Dobrica V., Demetrescu C.**, A comparative approach to surface air temperature patterns and pattern change, *European Geosciences Union (EGU) General Assembly, Vienna, Austria, 7-12 April 2013*
- Beșuțiu, L., Zlăgnea, L., Plopeanu, M.** An attempt to monitor tectonic forces in the Vrancea active geodynamic zone: The Baspunar experiment; *European Geosciences Union (EGU) General Assembly, Vienna, Austria, 7-12 April 2013*
- Manea V.C., Taras G., Manea M., Zhu G., Leeman W.** Subduction of the fracture zones; *European Geosciences Union (EGU) General Assembly, Vienna, Austria, 7-12 April 2013*
- Manea V. C., Manea M., Ferrari L.** A Geodynamical Perspective on the Subduction of Cocos and Rivera plates beneath Mexico and Central America; *European Geosciences Union (EGU) General Assembly, Vienna, Austria, 7-12 April 2013*

- Manea M., Manea V.C., Capra L., Bonasia R.** Volcanic hazard in Mexico: a comprehensive on-line database for risk mitigation; *European Geosciences Union (EGU) General Assembly, Vienna, Austria, 7-12 April 2013*
- Cadicheanu N., van Ruymbekke M., Zhu Ping,** On the variability of the coupling between some earth tide periodicities and earthquake triggering from three important seismic nest regions on earth, *17th International Symposium on Earth Tides, „Understand the Earth”, Warsaw, Poland, 15-19 April, 2013*
- Szakács A., Soós I.** Locating phreatomagmatic eruptive centers by “inverse ballistics”: A new methodological approach applied in the Persani Mts., Romania. *Basalt2013 International Conference, Gorlitz, April 24-28, 2013*
- Dobrica V., Demetrescu C.,** Signature of Hale and Geissberg cycles in geomagnetic activity and in climate parameters, *COST Action ES1005, WG2 workshop on the influence of interplanetary perturbations on the Earth’s atmosphere and climate, Sunny Beach, Bulgaria, 13-16 May 2013*
- Manea V.C., Manea M., Pomeran M., Besutiu L., Zlagnean L.** High Performance Computing: a viable solution to boost research for Earth Sciences; *AGU Meeting of the Americas, Cancun, Mexico, 14-17 May 2013*
- Manea V.C., Manea M., Pomeran M., Besutiu L., Zlagnean L.** A parallelized particle tracing code for massive 3D mantle flow simulations; *AGU Meeting of the Americas, Cancun, Mexico, 14-17 May 2013*
- Dobrica V., Greculeasa R., Demetrescu C.,** On sources of the disturbance field recorded at European geomagnetic observatories, *The 6th MagNetE Workshop and Meeting of the EPOS WG 9 Magnetic Observations, Prague, Czech Republic, 3–5 June 2013*
- Greculeasa R., Dobrica V., Demetrescu C.,** The Romanian network of repeat stations. Geomagnetic measurements 2011-2012, *The 6th MagNetE Workshop and Meeting of the EPOS WG 9 Magnetic Observations, Prague, Czech Republic, 3-5 June 2013*
- Demetrescu C., Stefan C., Dobrica V.,** Magnetosphere response to solar activity during the Maunder Minimum, *The Fifth Workshop “Solar influences on the magnetosphere, ionosphere and atmosphere”, Nessebar, Bulgaria, 3-7 June 2013*
- Stefan C., Dobrica V., Demetrescu C.,** The magnetopause standoff distance: Short- and long-term variability, *The Fifth Workshop “Solar influences on the magnetosphere, ionosphere and atmosphere”, Nessebar, Bulgaria, 3-7 June 2013*
- Maris Muntean G., Maris O., Besliu-Ionescu D., Mierla M.,** Long-term variability of the high speed solar wind, *The Fifth Workshop Solar Influences on the Magnetosphere, Ionosphere and Atmosphere, Nesebar, Bulgaria, 3-7 June 2013*
- Manea V.C., Manea M., Pomeran M., Besutiu L., Zlagnean L.** High Performance Computing and Visualization: a viable solution to boost research for Earth Sciences. *International Workshop NEMO – Numerical Modelling Using High Performance Computing Infrastructures, Bucharest, Romania, 10-11 June 2013*
- Manea M., Manea V.C. –** Scientific visualization with open source software. *International Workshop NEMO – Numerical Modelling Using High Performance Computing Infrastructures, Bucharest, Romania, 10-11 June 2013*
- Pomeran M., Manea V.C., Manea M., Besutiu L., Zlăgnea L. -** Code parallelization algorithms. *International Workshop NEMO – Numerical Modelling Using High Performance Computing Infrastructures, Bucharest, Romania, 10-11 June 2013*
- Zlăgnea L., Besutiu L. -** Gravity insights on the deep structure of the Vrancea intermediate-depth seismic zone. *International Workshop NEMO – Numerical Modelling Using High Performance Computing Infrastructures, Bucharest, Romania, 10-11 June 2013*
- Besutiu L., Zlăgnea L. -** Modelling non-tidal gravity changes within Vrancea active geodynamic zone. *International Workshop NEMO – Numerical Modelling Using High Performance Computing Infrastructures, Bucharest, Romania, 10-11 June 2013*

- Manea V.C., Manea M., Pomeran M., Besutiu L., Zlagnan L.** – Slab beak-off and mantle flow in the Carpatian region: new insights from 4D numeric models. *International Workshop NEMO – Numerical Modelling Using High Performance Computing Infrastructures, Bucharest, Romania, 10-11 June 2013*
- Cadicheanu N.**, Validation of the statistical parameter of correlation between earth tides and earthquakes, *International Workshop NEMO - Numerical Modelling using high performance computing infrastructures, Bucharest, 10-11 June, 2013.*
- Stanica D., Stanica M.**, The Carpathian conductivity anomaly and its geodynamic implication reflected by 2-D magnetotelluric modeling, *International Workshop NEMO - Numerical Modelling using high performance computing infrastructures, Bucharest, 10-11 June, 2013*
- Mierla M., Chifu I., Inhester B., Rodriguez L., Zhukov A.**, Low polarised emission from the core of coronal mass ejections, *IAUS 300, Nature of prominences and their role in Space Weather, Paris, 10-14 June 2013*
- Besliu-Ionescu D., Mierla M., Srivastava N., Maris Muntean G.**, Linking Various Signatures of the February 15, 2011 Solar Flare, *Space Climate 5 – Under the midnight Sun, Oulu, Finlanda, 15-19 June 2013*
- Mierla M., Dima G., Moise E., Rodriguez L., Seaton D.**, 3D reconstruction of a sigmoidal active region, *Sixth Coronal Loops workshop, La Roche, Belgium, 25-27 June 2013*
- Demetrescu C., Dobrica V.**, Similar interdecadal evolution of magnetosphere and ionosphere current systems as seen in geomagnetic indices, PC included, *The XIIth Scientific Assembly IAGA 2013, Merida, Mexico, 26-31 August 2013*
- Demetrescu C., Stefan C., Dobrica V.**, Geoeffective solar activity before geomagnetic observatory era. Insights from global models of the geomagnetic field. *The XIIth Scientific Assembly IAGA 2013, Merida, Mexico, 26-31 August 2013*
- Dobrica V., Demetrescu C.**, On space climate features in geomagnetic field and terrestrial climate, *The XIIth Scientific Assembly IAGA 2013, Merida, Mexico, 26-31 August 2013*
- Dobrica C., Demetrescu C., Greculeasa R., Stefan C.**, The geomagnetic disturbance field as a means to infer information on underground electrical structure. Case study – Europe, *The XIIth Scientific Assembly IAGA 2013, Merida, Mexico, 26-31 August 2013*
- Stanica D., Stanica D.A.**, EM imaging along the intra-plate collision suture zone and its geodynamic and seismic implication, *The XIIth Scientific Assembly IAGA 2013, Merida, Mexico, 26-31 August 2013*
- Stanica D., Stanica D.A.**, EM studies for the earthquake-induced landslides hazard assessment, *The XIIth Scientific Assembly IAGA 2013, Merida, Mexico, 26-31 August 2013*
- Dobrica V., Demetrescu C.**, Interdecadal variability of precipitation in Europe and its connection with solar variability, *European Meteorological Society (EMS) Assembly, Reading, UK, 8-14 September 2013*
- Besutiu L., Orlyuk M., Zlagnan L., Roments., A., Atanasiu L., Makarenko I.** Geomagnetic insights on an active tectonic contact: Peceneaga-Camena Fault; 5th *International Scientific Conference “Geophysical Technologies of Geological Media Predicting and Monitoring”, Lvov, Ukraine, 1-4 October 2013*
- Chitea F., Ioane D., Marunteanu C., Garbacea, G.F.**, Electric resistivity tomography (ERT) measurements in area of an old salt mine, *7th Congress of the Balkan Geophysical Society, Tirana (Albania), 7–10 October 2013*
- Ioane D., Chitea F.**, Resistivity (ERT) prospection in Tropaeum Traiani roman city, *7th Congress of the Balkan Geophysical Society, Tirana (Albania), 7–10 October 2013*

- Maris Muntean, G., Besliu-Ionescu, D., Mierla, M.**, Comparison of the high-speed solar wind streams during the first four years of last five solar cycles (nos. 20 – 24), *Tenth European Space Weather Week, Antwerp, Belgium, November 18-22, 2013*
- Mierla M.**, Rodriguez L., Kilpua E., D'Huys E., Zuccarello F., Zhukov A., Seaton D., Study of stealth CMEs arriving at the Earth in the period 2009 – 2010, *Tenth European Space Weather Week, Antwerp, Belgium, November 18-22, 2013*