

**O conferință invitată/plenară/keynote prezentată la o manifestare științifică
internațională în 2015**

Besliu-Ionescu, D., Mierla, M., Maris Muntean, G., Energy coupling functions between the solar wind and the Earth magnetosphere, *Solar Variability and its Heliospheric Effect, Athens, Greece, 2-6 November 2015* (invited talk)

Demetrescu, C., Dobrica, V., Long- and short-term responses of the heliosphere-magnetosphere environment to solar activity variations, *Solar Variability and its Heliospheric Effect, Athens, Greece, 2-6 November 2015* (invited talk)

Dobrica, V., Georgieva, K., Kirov, B., **Demetrescu, C.**, Geomagnetic activity: long- and short-term variability, sources, *Solar Variability and its Heliospheric Effect, Athens, Greece, 2-6 November 2015* (invited talk)

Mierla, M. and SECCHI consortium, Highlights of STEREO, *Der Deutschen Physikalischen Gesellschaft meeting, Wuppertal, Germany, 9-13 March 2015* (invited talk)

O comunicare orală prezentată la o manifestare științifică internațională în 2015

- Tarff R.W., Day S.J., Downes H. , **Seghedi I.**, 2015. A re-examination of the Valentine et al (2014) model of diatreme evolution in the light of cyclic variations in explosivity in the Cova de Paul eruption, Santo Antao, Cape Verde, *The 51st Annual Volcanic and Magmatic Studies Group Conference, Norwich, 5-7 January 2015*.
- Dobrica V., Demetrescu, C., Stefan, C., Pirloaga, R.**, Decadal variability of NH temperatures and its connection with solar variability, *Sun-Climate connections Conference, Kiel, Germany, 16-19 March, 2015*
- Roba C., Roșu C., Burghel B-D., Moldovan M., **Mitrofan H.**, The quality of natural mineral waters from Buzău County, *7th International Conference Air and Water - Components of the Environment, Cluj-Napoca, Romania, 20-22 March, 2015*.
- Besliu-Ionescu, D., Mierla, M., Dobrica, V., Maris Muntean, G.**, Magnetospheric Energy Input during Intense Geomagnetic Storms in SC23, *European Geosciences Union General Assembly, Vienna, Austria, 12 – 17 April 2015*
- Beșuțiu, L., Zlăgnea, L.**, Monitoring Deep Geodynamic Processes within Vrancea Intermediate-Depth Seismic Zone by Geodetic Means, *European Geosciences Union General Assembly, Vienna, Austria, 12 – 17 April 2015*
- Bostenaru-Dan Maria, Gociman C. O., Hostiuc C., Mihaila M., Gheorghe (Popovici) D.A., **Anghelache M.A.**, Dutu A., Tascu-Stavre M., Results of the round table "Impact of natural and man-made hazards on urban areas", *European Geosciences Union General Assembly, Vienna, Austria, 12 – 17 April 2015*
- Demetrescu C., Dobrica V., Stefan C., Greculeasa, R.**, Surface electric field variations induced by intense geomagnetic storms of the solar cycle 23, a case study for the European geomagnetic observatory network, *European Geosciences Union General Assembly, Vienna, Austria, 12 – 17 April 2015*
- Dobrica, V., Pirloaga, R., Stefan, C., Demetrescu, C.**, On geoeffective solar variability signature in northern temperate climate zone at specific atmospheric levels, *European Geosciences Union General Assembly, Vienna, Austria, 12 – 17 April 2015*

- Greculeasa R., Demetrescu, C., Dobrica, V.,** On the lateral distribution of electrical properties of crust and mantle in Europe, *European Geosciences Union General Assembly, Vienna, Austria, 12 – 17 April 2015*
- Mares, I., Dobrica., V., Demetrescu, C., Mares, C.,** Influence of the atmospheric blocking on the hydrometeorological variables from the Danube basin and possible response to the solar/geomagnetic activity, *European Geosciences Union General Assembly, Vienna, Austria, 12 – 17 April 2015*
- Niculae L., Popa R-G., Tatu M.,** Torrential landscapes associated with gravitational slope movements in Buzău Land Geopark, Romania – A quantitative approach on the time-space evolution of denudation processes, *European Geosciences Union General Assembly, Vienna, Austria, 12 – 17 April 2015*
- Panaiotu C. G. , Visan M.,** Necula C., Dumitru A., Strachinaru A., Panaiotu A. , Dimofte D., Seghedi I., Paleomagnetism of the Upper Miocene volcanic rocks from the East Carpathians (Gurghiu Mountains, Romania), *European Geosciences Union General Assembly, Vienna, Austria, 12 – 17 April 2015*
- Popa R-G., Seghedi I.,** Late cretaceous hydrovolcanism of Hațeg Country Dinosaurs Geopark, Romania, *European Geosciences Union General Assembly, Vienna, Austria, 12 – 17 April 2015*
- Seghedi I.,** Mason P. R. D., What olivine and clinopyroxene mineral chemistry and melt inclusion study can tell us about magmatic processes in a post-collisional setting. Examples from the Miocene-Quaternary East Carpathian volcanic chain, Romania, *European Geosciences Union General Assembly, Vienna, Austria, 12 – 17 April 2015*
- Tatu M., Niculae L., Popa R-G.,** Landslide inventory map as a tool for landscape planning and management in Buzău Land Geopark, *European Geosciences Union General Assembly, Vienna, Austria, 12 – 17 April 2015*
- Moraru M.,** Maftciu M., Electrical Resistivity Tomography Used For Soil Polluted Area Identification Around An Oil Terminal, *International U.A.B.-B.E.N.A. Conference Environmental Engineering And Sustainable Development, Alba Iulia, Romania, 28-30 May, 2015.*
- Chiriac, A., Chitea, F., Serban, A.,** 2015, Evaluation of Hydrocarbon Pollution Plume Extension Using Electrical Resistivity Method, *77th EAGE Conference and Exhibition, Madrid, Spain, 1-4 June 2015.*
- Besliu-Ionescu, D., Mierla, M., Maris Muntean, G.,** The Influence of Apr 10, 2001 CME on the Magnetosphere, *The Seventh Workshop “Solar influences on the magnetosphere, ionosphere and atmosphere”, Sunny Beach, Bulgaria, 1-5 June 2015*

- Demetrescu C., Dobrica V., Stefan C., Greculeasa, R.**, Induced Currents, a space weather hazard. Case study – Europe under intense geomagnetic storms of the solar cycle 23, *The Seventh Workshop “Solar influences on the magnetosphere, ionosphere and atmosphere”, Sunny Beach, Bulgaria, 1-5 June 2015*
- Besutiu, L., Orlyuk, M., Zlagnan, L., Romenets, A., Atanasiu, L., Makarenko, I.**, Cross-Border Geophysical and Geological Models between Romania and Ukraine in the Low Danube Area, *8th EUREGEO, Barcelona, Spain, 15-17 June 2015*.
- Nuțu M.L., Vaselli O.**, Fault-related fluid flow within Subcarpathian nappe domain (East Carpathians) during post-collision stage. *15th International Multidisciplinary Scientific GeoConferences SGEM, Albena, Bulgaria, 16-25 June 2015*.
- Berbeleac I., Nutu M-L, Chitea F.**, Relationships between crustal faults, shallow magmatic chamber and Neogene porphyry CU-AU systems. *15th International Multidisciplinary Scientific GeoConferences SGEM, Albena, Bulgaria, 16-25 June 2015*.
- Besutiu, L., Seghedi, I., Zlagnan, L., Atanasiu, L., Pomeran, M., Visan, M.**, Geomagnetic Patterns along the Neogene to Quaternary Volcanism of East Carpathians, *26th International Union of Geodesy and Geophysics General Assembly, Prague, the Czech Republic, 22 June – 02 July 2015*
- Demetrescu C., Dobrica V.**, The Quiet Sun of 1964-65 and the following solar cycle 20, an expression of long-term evolution of solar activity, *26th International Union of Geodesy and Geophysics General Assembly, Prague, the Czech Republic, 22 June – 02 July 2015*
- Dobrica, V., Demetrescu, C.**, Long-term evolution of geomagnetic activity. An analysis of its solar and magnetospheric sources, *International Union of Geodesy and Geophysics General Assembly, Prague, the Czech Republic, 22 June – 02 July 2015*
- Harangi S., Kiss B., Lukács R., Schmitt A.K., Seghedi I., Novák A., Molnár K., Kis B.M., Palcsu L., Ntaflos T., Vaselli O., Szarka L.**, Anatomy of the late Pleistocene Ciomadul volcano (E-Carpathians, eastern-central Europe), a volcano with Potentially Active Magma Storage, *International Union of Geodesy and Geophysics General Assembly, Prague, the Czech Republic, 22 June – 02 July 2015*
- Luffi P., Seghedi I., Ducea M.** Subcreted oceanic crust melting beneath the Southeastern-Carpathians: evidence from garnet pyroxenite xenoliths from Quaternary basalts of the Perșani Mts., *International Union of Geodesy and Geophysics General Assembly, Prague, the Czech Republic, 22 June – 02 July 2015*
- Stănică D., Stănică D.A.**, Electromagnetic imaging used to delineate the lithospheric geoelectrical structure and earthquake generation mechanism in Vrancea subduction

- zone, *International Union of Geodesy and Geophysics General Assembly, Prague, the Czech Republic, 22 June – 02 July 2015*
- Stănică D.A., Stănică D.**, New evidences confirming the relationships between electromagnetic precursors and intermediate depth earthquakes, Vrancea zone, *International Union of Geodesy and Geophysics General Assembly, Prague, the Czech Republic, 22 June – 02 July 2015*
- Stefan, C., Demetrescu, C., Dobrica, V.**, On the traveling speeds of the ~80-year variation field features at the top of the core, *International Union of Geodesy and Geophysics General Assembly, Prague, the Czech Republic, 22 June – 02 July 2015*
- Stefan, C., Dobrica, V., Demetrescu, C.**, Short-term variability of the magnetopause standoff distance, *International Union of Geodesy and Geophysics General Assembly, Prague, the Czech Republic, 22 June – 02 July 2015*
- Szakács A., Seghedi I., Popa R.G.**, Integrating the volcanic facies concept with the lithostratigraphic approach to mapping ancient volcanic areas. Examples from the East Carpathians, Romania, *International Union of Geodesy and Geophysics General Assembly, Prague, the Czech Republic, 22 June – 02 July 2015*
- Zlagnean, L., Besutiu, L., Seghedi, I., Atanasiu, L., Pomeran, M.** - Geophysical Insights on the Deep Structure of Ciomadul Volcano through Interpretation of Potential Field data, *26th International Union of Geodesy and Geophysics General Assembly, Prague, the Czech Republic, 22 June – 02 July 2015*
- Ciucu M., Hughineata D., **Chitea F.**, 2015, Physico-Chemical properties variation of Slanic Moldova Springs, *6th International Geosciences Student Conference, Prague, the Czech Republic, 13 – 16 July 2015*
- Demetrescu, C., Dobrica V., Stefan, C.**, Long-term evolution of the ring current as inferred from geomagnetic data, *Asia Oceania Geosciences Society (AOGS) Assembly, Singapore, 02 – 07 August 2015*
- Dobrica, V., Demetrescu, C.**, Solar Signals at Schwabe and Hale Timescales in Temperature and Precipitation as Integrated by River Discharge Data. Case Study – The Danube River Basin (Central and South-Eastern Europe), *Asia Oceania Geosciences Society (AOGS) Assembly, Singapore, 02 – 07 August 2015*
- Popa D-A., Popa R-G., Andrașanu A.**, Connecting Man and Earth in Buzău Land Aspiring Geopark. *European Geoparks Conference 2015, Oulu, Finland, 3-6 September 2015.*
- Andrașanu A., **Popa R-G., Popa D-A.**, *Building the Aspiring Buzău Land Geopark: interpreting intangible heritage.* European Geoparks Conference 2015, Oulu, Finland, 3-6 September.

- Popa R-G., Popa D-A.,** Andraşanu A., *Building the Aspiring Buzău Land Geopark: philosophy, approach, funds.* European Geoparks Conference 2015, Oulu, Finland, 3-6 September.
- Dobrica, V., Stefan, C., Demetrescu, C.,** On external signals in long time-span geomagnetic models, *MagNetE Workshop, Budapest, Hungary, 16-18 September 2015*
- Greculeasa., R., Dobrica, V., Demetrescu, C.,** *Romanian secular variation network. Geomagnetic measurements 2013-2014, MagNetE Workshop, Budapest, Hungary, 16-18 September 2015*
- Mitrofan H., Anghelache M.A., Visan M. , Chitea F.-** Fluctuations in Plates-coupling Strength Suggested by Episodic Triggering of Shallow Earthquakes at the Carpathians Bend, *8th Congress of the Balkan Geophysical Society, Chania, Greece 5-8 October 2015.*
- Popa R-G., Stochici R.,** Measuring natural radiation backgrounds for natural hazard evaluation in the aspiring Buzău Land Geopark, Romania, *8th Congress of the Balkan Geophysical Society, Chania, Greece 5-8 October 2015.*
- Diacopolos C., Popa R.-G., Stochici R.,** Application of the DC resistivity method to landslide study; case study; case study: Church Ratesti, Romania, *8th Congress of the Balkan Geophysical Society, Chania, Greece 5-8 October 2015.*
- Georgescu P., **Chitea F.,** Geoelectrical Exploration of Mineral Deposits Using Gradient Array, *8th Congress of the Balkan Geophysical Society, Chania, Greece 5-8 October 2015.*
- Moraru M.,** Maftciu M. - Use Of Electrical Resistivity Tomography In The Detection Of Hydrocarbons Soil Pollution, *10th International Conference On Electromechanical And Power Systems, SIELMEN 2015, Technical University of Moldova, Chisinau, 8-9 October 2015.*
- Mierla M.** and SECCHI consortium, Solar sources of interplanetary coronal mass ejections during the period 2009 – 2010, *Kiepenheuer Institute for Solar Physics, Freiburg, Germany, 15 October 2015*
- Mierla M.,** PROBA3 Science working team meeting, *ESTEC, Noordwijk, Netherlands, 4-5 November 2015*
- Besliu-Ionescu, D., Mierla, M.,** Study of energy input into the magnetosphere during SC23 intense geomagnetic storms, *12th European Space Weather Week, Ostend, Belgium, 23-27 November 2015*

- Mierla, M.**, Kilpua E., Rodriguez, L., Zhukov, A., Analysis of CMEs-ICMEs on the ascending phase of SC24, *12th European Space Weather Week, Ostend, Belgium, 23-27 November 2015*
- Tarff R.W., Day S.J., Downes H., **Seghedi I.**, Cyclic explosivity in high elevation phreatomagmatic eruptions at ocean island volcanoes: implications for aquifer pressurization within dike swarms and volcano flank destabilization, *Fall American Geophysical Union meeting, december 2015.*