

**O comunicare orală prezentată la o manifestare științifică internațională în 2016**

- Mitrofan H.**, Marin C., Povară I., Onac B.P.: Hercules and Diana hypogene caves (Herculane Spa, Romania): Dissimilar chemical evolutions experienced by their present-day thermal water discharges, *National Cave and Karst Research Institute Symposium 6. DEEPKARST 2016: Origins, Resources, and Management of Hypogene Karst, Carlsbad, New Mexico, U.S.A., 11-14 April 2016.*
- Besutiu L., Seghedi I., Zlagnean L., Atanasiu L., Popa R.-G., Pomeran M., Visan M.**, Geomagnetic imprint of the Persani volcanism, *European Geosciences Union (EGU) General Assembly, Vienna, Austria, 17-22 April 2016*
- Stănică D., Stănică D. A.**, Real time electromagnetic monitoring system used for short-term earthquakes forecast related to the seismic-active Vrancea zone, *EGU General Assembly, Vienna, Austria, 17-22 April 2016*
- Stănică D. A., Stănică D., Vladimirescu N.**, Pre-seismic anomalous geomagnetic signature related to M8.3 earthquake occurred in Chile on September 16-th, 2015, *EGU General Assembly, Vienna, Austria, 17-22 April 2016*
- Mareș, I., Dobrică, V., Demetrescu, C., Mareș, C.**, Hydrological response in the Danube lower basin to some internal and external forcing factors of the climate system, *EGU General Assembly, Vienna, Austria, 17 – 22 April 2016*
- Niculae L.**, Land degradation on environmental impact of basin Sărățel, *Perspectives of Geographical Approach on Territorial Development: Theories, Methods and Practices, Timișoara, 13-14 May, 2016*
- Mierlă, M.**, Zhukov, A.N., Calibration of polarized white light images, *PROBA3 meeting meeting, Turin, Italy, 17 - 19 May 2016*
- Moldovan M., Burghel B.-D., Roba C., Cosma C., Mitrofan H., Buterez C.**: Radon assessment in water samples from the aspiring Buzău Land Geopark, *V. Terrestrial Radioisotopes in Environment. International Conference on Environmental Protection, Veszprém, Hungary, 17 – 20 May 2016.*
- Besutiu L., Diaconescu M., Zlagnean L., Craiu A.**, Structural and Geodynamic Considerations on the Galati-Izvoarele Seismic-Prone Area, *ELSEDIMA 11<sup>th</sup> International Conference, Cluj Napoca, Romania, 26-28 May 2016*
- Besutiu L.**, Non-tidal gravity studies within Vrancea intermediate-depth seismic zone, *18th International Symposium on Geodynamics and Earth Tides, Trieste, Italy, 5-9 June 2016*
- Beșliu-Ionescu, D., Tălpeanu, D., Mariș Muntean, G., Mierlă, M.**, Comparison Between negative Bz Duration and Geomagnetic Storm Main Phase Duration During Moderate Geomagnetic, *First VarSITI (Variability of the Sun and Its Terrestrial Impacts) General Symposium, Albena, Bulgaria, 6 – 10 June 2016*
- Demetrescu C., Dobrică V., Ștefan C., Greculeasa, R., Beșliu-Ionescu, D.**, The Induced Surface Electric Response in Europe to 2015 St. Patrick's Day Geomagnetic Storm. Comparison to Strongest Storms in Cycle 23, *First VarSITI (Variability of the Sun and Its Terrestrial Impacts) General Symposium, Albena, Bulgaria, 6 – 10 June 2016*
- Dobrică V., Demetrescu, C., Ștefan, C., Pîrloagă, R.**, Long-term solar signals in the north temperate climate from reanalysed data, *First VarSITI (Variability of the Sun and Its Terrestrial Impacts) General Symposium, Albena, Bulgaria, 6 – 10 June 2016*

- Mariş Muntean, G., Beşliu-Ionescu, D., Tălpeanu, D., Lăcătuş, D., Paraschiv, A.,** High Speed Streams in the Solar Wind During the 24th Solar Cycle (2008 – 2015), *First VarSITI (Variability of the Sun and Its Terrestrial Impacts) General Symposium, Albena, Bulgaria, 6 – 10 June 2016*
- Mierlă, M.,** Verdini, A., Kilpua E., Rodriguez, L., West, M., Propagation of coronal mass ejections in different solar wind conditions, *First VarSITI (Variability of the Sun and Its Terrestrial Impacts) General Symposium, Albena, Bulgaria, 6 – 10 June 2016*
- Anghelache M.-A. Mitrofan H., Chitea F., Cadicaneanu N.,** A case scenario of groundwater radionuclide pollution in Cernavodă area, due to the effects of earthquakes, *EGU Topical Event 2016 (Water as hazard and water as heritage), Accademia di Romania in Roma, Italia, 13 – 14 June 2016*
- Moraru M.,** Tanasie A., Geoelectric Tomography and Electrical Methods, with Applicability in the Strategy for Identifying Contaminated Area, <http://isfee.elth.pub.ro/isfee2016/>, *International Symposium on Fundamentals of Electrical Engineering, University Politehnica of Bucharest, Romania, June 30 – July 2, 2016*
- Roba C.A., Mitrofan H.,** Buterez C., Assessment of soil quality in the area of future “Buzau Land” Geopark, Romania, *16th International Multidisciplinary Scientific GeoConference SGEM 2016, Albena, Bulgaria, 28 June – 6 July 2016.*
- Marin C., Olariu A., Mitrofan H.,** Tudorache A., **Chitea F.,** Magma-related acid groundwaters scavenge base-metals from the sedimentary basement of the recently extinct Ciomadul Volcano, *16th International Multidisciplinary Scientific GeoConference SGEM 2016, Albena, Bulgaria, 28 June – 6 July 2016.*
- Nuţu-Dragomir L.-M.,** Marin C., **Mitrofan H.,** Trace elements geochemistry investigation concerning a CO<sub>2</sub>-rich groundwater discharge on the eastern flank of Ciomadul Volcano (East Carpathians, Romania), *16th International Multidisciplinary Scientific GeoConference SGEM 2016, Albena, Bulgaria, 28 June – 6 July 2016.*
- Olariu A., Chitea F.,** Ioane D., Time-space variability of physical parameters of water sources in a post-volcanic environment, *16th International Multidisciplinary Scientific GeoConference SGEM 2016, Albena, Bulgaria, 28 June – 6 July 2016.*
- Chitea F.,** Electrical signatures of Mud Volcanoes -case studies from Romania- *16th International Multidisciplinary Scientific GeoConference SGEM 2016, Albena, Bulgaria, 28 June – 6 July 2016.*
- Chitea F.,** Ioane D., Evaluation of mineral groundwater resources in Harghita Mts. (Romania) using resistivity tomography and spatial data fusion, *16th International Multidisciplinary Scientific GeoConference SGEM 2016, Albena, Bulgaria, 28 June – 6 July 2016.*
- Nuţu-Dragomir M.-L.,** (2016) Diagenetic history of Lower Miocene sandstones within the Subcarpathian nappe, East Carpathians (Romania). *16<sup>th</sup> International Multidisciplinary Scientific GeoConferences SGEM, Albena, Bulgaria, 25 June - 07 July, 2016.*
- Szakács, A., Seghedi I.,** Mapping volcanoclastic deposits in the Călimani-Gurghiu-Harghita Neogene volcanic range, Romania. A brief history and current challenges, *3<sup>rd</sup> Volcano Geology Workshop, Etna and Vulcano Island, Italia, (IAVCEI), 3-10 July 2016*
- Demetrescu C., Dobrică V., Ştefan C.,** The geomagnetic field evolution from the perspective of sub-centennial variations. Consequences, *Study of the Earth's Deep Interior SEDI 2016, Nantes, France, 24-29 July 2016*
- Dobrică V., Ştefan C., Demetrescu C.,** On the fine structure of geomagnetic secular variation foci, *Study of the Earth's Deep Interior SEDI 2016, Nantes, France, 24-29 July 2016*
- Ştefan C., Dobrică V., Demetrescu C.,** Investigating the core surface magnetic flux patches at sub-centennial time scale. Insights regarding the travelling speeds, *Study of the Earth's Deep Interior SEDI 2016, Nantes, France, 24-29 July 2016*

- Dobrică, V., Demetrescu, C.,** Solar cycle 24 trends in space weather, *Asia Oceania Geosciences Society (AOGS) Assembly, Beijing, China, 31 July – 06 August 2016*
- Demetrescu, C., Dobrică V.,** Magnetic (~22 years) and Gleissberg (80-90 years) signals in the solar-terrestrial system, *Asia Oceania Geosciences Society (AOGS) Assembly, Beijing, China, 31 July – 06 August 2016*
- Seghedi I., Szakács, A.,** Maar structures in Persani volcanic field, SE Transylvania, Romania – a revised volcanological study, *6th International Maar Conference, Changchun, China (IAVCEI) , July 29 –August 9 2016*
- Besutiu, L., Zlagnean, L., Atanasiu, L., Pomeran, M.,** Integrated gravity and magnetics as a tool for investigating volcanic areas. The Neogene – Quaternary volcanism of East Carpathians, *35<sup>th</sup> IGC, Cape Town, South Africa, 27 August – 4 September 2016*
- Iatan E. L., Bilal E.,** New compositional data concerning Au-Ag alloys from the northern part of Roșia Montană deposit, Metaliferi Mountains, Romania. *10<sup>th</sup> International Symposium on Economic Geology “QUO VADIS ECONOMIC GEOLOGY”, Alba Iulia, Romania, 9-11 September 2016*
- P. Palmeiras Freitas De Moraes, A. H. Horn, E. Bilal, **E. L. Iatan.** Heavy metals in Vereda's soil of the Formoso river basin, Buritizeiro, Minas Gerais, Brazil. *10<sup>th</sup> International Symposium on Economic Geology “QUO VADIS ECONOMIC GEOLOGY”, Alba Iulia, Romania, 9-11 September 2016*
- Pomeran, M., Besutiu, L., Zlagnean, L.,** Contributions to load efficiency in a computer cluster environment for an oblique subduction tentative modeling, *World Multidisciplinary Earth Sciences Symposium (WMESS), Prague, Czech Republic, 11-15 September 2016*
- Iftode S. G., Niculae L.,** Geoeducation and Geotourism –Important tools for Geoconservation: the case of Buzau Land aspiring Geopark, Romania, *8-th Conference of the Association of African Women in Geosciences: Building bridges between Earth Scientists worldwide a way for promoting peace and strenghtening integration, 1-7 October 2016, Sibiu*
- Niculae L., Arba A.-M.,** Drought in the context of sustainable development, *National Scientific Conference with International Participation „Environment and sustainable development, III-rd Edition, Dedicated to Anniversary of 80 years from birthday of Professor, dr. hab. Alexandru Lungu, 6-8 October 2016, Chișinău*
- Moraru, M., Diacopolos, C.,** Determining the Tomography of the Geoelectric Resistivity by Applying the Reversed Solved Using the Newtonian Algorithm, *6<sup>th</sup> International Conference “Protection of Natural Resoueces and Environmental Management: The main Tools for Sustainability”. Romanian Academy, Romania Pronasem-November 11-13, 2016*
- Mierlă, M., Verdini, A., Kilpua E., Rodriguez, L., West, M.,** Analysis of coronal mass ejections propagating in different solar wind conditions, *European Space Weather Week, Ostende, Belgium, 14-18 November 2016*
- Mierlă, M.,** On the calibration of polarised white light images *PROBA3 meeting, Prague, Check Republic, 28-30 November 2016*