

Analiza și prognoza seismicității României (AFROS): Prezentări la conferințe și articole științifice

Actualizată: 2022/12/07

Prezentări la conferințe naționale și internaționale:

2021

Dinescu, R., Ivan, M., Munteanu, I., Radulian, M. (2021). Seismic discrimination of anthropic and tectonic events in the Targu-Jiu quarry area (Romania), ESC 2021, online, prezentare poster (Cu mulțumiri AFROS).

Dinescu R., Ghica D., Popa M., Munteanu I., Radulian M. (2021). Discrimination between tectonic and anthropic events in Targu-Jiu quarry region (Romania), 11th Congress of the Balkan Geophysical Society, 2021 (prezentare orală). (Cu mulțumiri AFROS).

Enescu, B. and Takeda, Y. (2021). Systematic Investigation of Dynamic Earthquake Triggering in Japan, *EGU General Assembly 2021*, 19–30 Apr 2021, EGU21-2548, <https://doi.org/10.5194/egusphere-egu21-2548> (conferința online) (Cu mulțumiri AFROS).

Enescu, B., Takeda, T., and Miyazawa, M. (2021). Dynamic Triggering of Earthquakes in Volcanic and Geothermal Areas Before and After the 2011 M9.0 Tohoku-oki Earthquake, December 2021, *AGU Meeting*, S41A-02 (prezentare orală) (Cu mulțumiri AFROS)

Enescu, B., Moldovan, I-A., Ionescu, C., and the AFROS Team (2021). Analysis and Forecasting of Romanian Seismicity (AFROS) Project: Aim and Preliminary Results, *AGU Meeting*, NH25A-0542 (poster presentation). (Cu mulțumiri AFROS)

Ghita C., Raicu R., Constantinescu E. G., Moldovan I. A. , (2021). Estimating the magnitude of completeness and spatial variation of seismic *b* value for Vrancea area (Romania), crustal earthquakes for the last three decades, *XXIth International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2021* (prezentare poster) (Cu mulțumiri AFROS)

Mihai. A., Moldovan, I-A., Toader V. E., Radulian. M. (2021). The geomagnetic field variations recorded in Vrancea zone during 2000-2008 and the seismic energy release, *Bucharest University, Faculty of Physics 2021 Meeting, Atmosphere and Earth Science*, (conferința online) (Cu mulțumiri AFROS).

Mihai, A. Roban, R.D.Toader, V.E., Lingvay, I., Ciogesc, O. (2021). Downhole lithological profile of Ramnicu Valcea seismic site based on drill cuttings, *XXI International Multidisciplinary Scientific GeoConference SGEM 2021* (prezentare orală).

Opris, A., Kundu, S., Hatano, T. (2021). Imaging the spatio-temporal variations in deep tremor activity using cluster analysis techniques, *EGU General Assembly 2021*, NH4.4, (prezentare orală).

Placinta, A.O., Borleanu, F., Popescu, E., Radulian, M. (2021). Source parameters, clustering and scaling properties for the Vrancea (Romania) subcrustal earthquakes recorded between 2016 and 2018, *XXIth International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2021* (prezentare poster). (Cu mulțumiri AFROS)

2022

Armeanu I., Borleanu F., Radulian M., (2022). Quarry blasts identification in Maramures and Bucovina (Romania) areas using statistical and cross-correlation techniques, *The 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*. (Cu mulțumiri AFROS)

Borleanu F., Petrescu L., Seghedi I., Thomas C., De Siena L., (2022). Crustal structure of the East European Craton beneath the Carpathian Orogen revealed by attenuation tomography, *The 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*. (Cu mulțumiri AFROS)

Borleanu F., Petrescu L., Seghedi I., Thomas C., DeSiena L., (2022). Seismic attenuation tomography in the Carpathian-Pannonian region from ambient seismic noise analysis, *EGU 2022, Viena, Austria/23–27 May 2022* (oral presentation). (Cu mulțumiri AFROS)

Coman A., Borleanu F., Petrescu L., Placinta A., Enescu B., Poiata N., Radulian M., (2022). High-resolution Analysis of the Intermediate-depth Seismicity Patterns in the Vrancea region (Romania): towards a better Assessment of Earthquake Risk, *The 16th Workshop of International Lithosphere Program Task Force Sedimentary Basins & 7th Geoscience*, 6-8 October 2022, București, România. (Cu mulțumiri AFROS)

Constantin A. P., Diaconescu M., Manea L. (2022). Macroseisology in Romania: past and present practice, *The 16th Workshop of International Lithosphere Program Task Force Sedimentary Basins & 7th Geoscience*, 6-8 octombrie 2022, București, România (prezentare poster) (Cu mulțumiri AFROS)

Constantin A. P., Manea L., Moldovan I. A., Ionescu C., (2022). Analysis of recent macroseismic data collected through online and classic questionnaires: uncertainties, discrepancies and limitations, *The 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*, 4992 - 4998. (Cu mulțumiri AFROS)

Constantin A. P., Moldovan I. A., Diaconescu M. (2022). Macroseismic studies in Romania, *The 20th International Balkan Workshop on Applied Physics and Materials Science - IBWAPP*, 12-15 Iulie, Constanta, România (presentare poster) (Cu mulțumiri AFROS)

Enescu B., Moldovan I., Radulian M., Ghita C., Borleanu F., Placinta A.O., and Poiata N., (2022). Seismicity analysis for Vrancea region (Romania) using a z-value statistical approach, *The 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*. (Cu mulțumiri AFROS)

Ghita C., Diaconescu M., Constantinescu E.G., Moldovan I.A., (2022). Analysis of seismicity in north eastern part of Romania for the last three decades, *The 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*. (Cu mulțumiri AFROS)

Mihai. A, Toader V.E, Moldovan I.A., Relationship among seismic energy release and the anomalous geomagnetic field variations recorded at Muntele Rosu (Vrancea zone). *Geoscience*, 6-8 octombrie 2022, București, România (prezentare orala) (Cu mulțumiri AFROS)

Opris A., Ariyoshi K., Hatano T., and Hori T., (2022). Imaging the changes in the clustering properties of deep low-frequency earthquakes caused by the occurrence of the 2010 long-term slow slip event in Western Shikoku, Japan, *The 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*. (Cu mulțumiri AFROS)

Placinta A.O., Borleanu F., Popescu E., Radulian M, Munteanu I. (2022). Earthquake source properties of a lower crust sequence generated in the Marasesti area (Romania), *The 20th International Balkan Workshop on Applied Physics and Materials Science - IBWAP*, 12-15 Iulie, Constanta, România, (Cu mulțumiri AFROS)

Szakacs A., Kovacs I.J., and Radulian M., (2022). Precursor-based earthquake prediction: wishful thinking or real possibility?, *The 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*. (Cu mulțumiri AFROS)

Toader V.E., Ionescu C., Moldovan I.A., Marmureanu A., Lingvay I., Ciogescu O., (2022). Extension of the radon monitoring network in seismic areas in Romania, *EGU General Assembly 2022*, EGU22-2152, doi:10.5194/egusphere-egu22-2152. (Cu mulțumiri AFROS)

Toader V.E., Moldovan I.A., and Mihai A., (2022). Analysis of the relationship between geochemical data and seismicity parameters for the development of a procedure for OEF, *The 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*. (Cu mulțumiri AFROS)

Varzaru L., Borleanu F., (2022). Identifying anthropogenic seismic events generated in western Romania using statistical approaches and novel waveform processing techniques/ *EGU 2022, Viena, Austria/23–27 May 2022* (prezentare poster). (Cu mulțumiri AFROS)

Lucrari publicate in reviste de specialitate (cu peer-review):

2021

Dinescu R., Ghica D., Popa M., Munteanu I., Radulian M., Discrimination between tectonic and anthropic events in Targu-Jiu quarry region (Romania), *Proceedings Conference: 11th Congress of the Balkan Geophysical Society*, DOI: 10.3997/2214-4609.202149BGS86, 2021 (**BDI**). (Cu mulțumiri AFROS)

Ghita C., Raicu R., Constantinescu E. G., Moldovan I. A., (2022) Estimating the magnitude of completeness and spatial variation of seismic *b* value for Vrancea area (Romania), crustal earthquakes for the last three decades, *XXIth International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2021, Vol. 21*, (**BDI**). (Cu mulțumiri AFROS)

Placinta, A.O., Borleanu, F., Popescu, E., Radulian, M., Munteanu, I. (2021), Earthquake source properties of a lower crust sequence and associated seismicity perturbation in the SE Carpathians, Romania, Collisional Setting. *Acoustics*, 3, 270–296 (Editor: C. W. Lim), <https://doi.org/10.3390/acoustics3020019> (**ISI**) (Cu mulțumiri AFROS)

Placinta, A.O., Borleanu, F., Popescu, E., Radulian, M. (2022), Source parameters, clustering and scaling properties for the Vrancea (Romania) subcrustal earthquakes recorded between 2016 and 2018, *XXIth International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2021, Vol.. 21*. (**BDI**). (Cu mulțumiri AFROS)

Shimojo, K., Enescu, B., Yagi, Y. and Takeda, T., Nucleation process of the 2011 northern Nagano earthquake from nearby seismic observations. *Scientific Reports*, **11**, 8143 (2021) (ISI). <https://doi.org/10.1038/s41598-021-86837-4>. (Cu mulțumiri AFROS)

Toader, V-E; Mihai A.; Moldovan, I-A; Ionescu, C.; Marmureanu, A.; Lingvay, I.; (2021), Implementation of a Radon Monitoring Network in a Seismic Area. *Atmosphere*, **12**(8) 1041, Academic Editor: Cucos (Dinu) Alexandra, doi:10.3390/atmos12081041 (ISI). (Cu mulțumiri AFROS)

Zheng, Y., Enescu, B., Zhuang, J.C., and Yu, C. (2021). Data replenishment of five moderate earthquake sequences in Japan, with semi-automatic cluster selection, *Earthquake Science*, **34**, doi:[10.29382/eqs-2021-0030](https://doi.org/10.29382/eqs-2021-0030) (ISI) (Cu mulțumiri AFROS)

2022

Armeanu I., Borleanu F., Radulian M., (2022). Quarry blasts identification in Maramures and Bucovina (Romania) areas using statistical and cross-correlation techniques, *The 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*, 4671 - 4677, 2022 (capitol carte). (Cu mulțumiri AFROS)

Armeanu I., Borleanu F., Varzaru, Ghica D., Popa M., (2022). A reanalysis of the seismic activity at the western edge of the Eastern European Platform, submitted for publication to *Romanian Journal of Physics* (ISI). (Cu mulțumiri AFROS)

Borleanu F., Petrescu L., Seghedi I., Thomas C., De Siena L., (2022). Crustal structure of the East European Craton beneath the Carpathian Orogen revealed by attenuation tomography, *Proceedings of the 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*, 4671 - 4677 (capitol carte). (Cu mulțumiri AFROS)

Borleanu F., Petrescu L., Seghedi I., Thomas C., De Siena L., (2022). The seismic attenuation signature of collisional orogens and sedimentary basins within the Carpathian Orogen, submitted for publication to *Global and Planetary Change* (ISI).

Constantin A. P., Manea L., Moldovan I. A., Ionescu C., (2022). Analysis of recent macroseismic data collected through online and classic questionnaires: uncertainties, discrepancies and limitations, *Proceedings of the 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*, 4992 - 4998 (capitol carte). Cu multumiri AFROS

Enescu B., Moldovan I., Radulian M., Ghita C., Borleanu F., Placinta A.O., and Poiata N., (2022). Seismicity analysis for Vrancea region (Romania) using a z-value statistical approach, *Proceedings of the 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*, 4300 - 4305 (capitol carte). (Cu mulțumiri AFROS)

Ghita C., Diaconescu M., Constantinescu E.G., Moldovan I.A., (2022). Analysis of seismicity in north eastern part of Romania for the last three decades, *Proceedings of the 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*, 4362 - 4367 (capitol carte). (Cu mulțumiri AFROS)

Ghita, C., Tuta, L., Moldovan, I.-A., Ionescu, C. and Nicolaescu, M., (2022). FastICA algorithm applied on Black Sea water level ultrasound measurements. *Atmosphere*, 13, 1973, <https://doi.org/10.3390/atmos13121973> (ISI). (Cu mulțumiri AFROS)

Ishiyama, R., Fukuyama, E., and Enescu, B. (2022). Estimation of time-variable friction parameters using machine learning, submitted for publication to *Geophys. J. Int.* (ISI) (Cu mulțumiri AFROS)

Moldovan I.A., Popescu E., Radulian, M., Enescu B, Placinta A.O., Ghita C., Constantin A.P. (2022). Fractal properties of the spatial distribution of crustal and subcrustal Vrancea earthquakes, *Romanian Journal of Physics* - accepted (ISI). (Cu mulțumiri AFROS)

Opris A., Ariyoshi K., Hatano T., and Hori T., (2022). Imaging the changes in the clustering properties of deep low-frequency earthquakes caused by the occurrence of the 2010 long-term slow slip event in Western Shikoku, Japan, *Proceedings of the 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*, 4276-4283 (capitol carte). (Cu mulțumiri AFROS)

Oros, E., Placinta, A.O., Moldovan, I.A., Popa, M. (2022), *The Parametric Earthquake Catalogue for the Intra-Carpathians Region (Romania) for the period 1223 to 1990*, Mendeley Data, V2, doi: 10.17632/p8rgkfhjbz.2 (baza de date).

Placinta A.O., Borleanu F, Moldovan I.A., Coman, A., (2022). *Correlation between changes in seismic propagation velocities and the occurrence of moderate earthquakes from Vrancea (Romania)*, *Acoustics*, 4(4), 934-947, <https://doi.org/10.3390/acoustics4040057> (registering DOI) (ISI) (Cu mulțumiri AFROS)

Szakacs A., Kovacs I.J., and Radulian M., (2022). Precursor-based earthquake prediction: wishful thinking or real possibility?, *Proceedings of the 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*, 3580-3583 (capitol carte). (Cu mulțumiri AFROS)

Toader V.E., Moldovan I.A., and Mihai A., (2022). Analysis of the relationship between geochemical data and seismicity parameters for the development of a procedure for OEF, *Proceedings of the 3rd European Conference on Earthquake Seismology and Engineering, Bucharest, Romania, September 4-9, 2022*, 4338-4345 (capitol carte). (Cu mulțumiri AFROS)

Yagi, Y., Okuwaki, R., Enescu, B., and Lu, J., Irregular Rupture Process of the 2022 Taitung, Taiwan, Earthquake Sequence, (2022). submitted for publication to *Scientific Reports (ISI)*. (Cu mulțumiri AFROS)