

## Prezentari la conferinte:

### European Geosciences Union General Assembly, EGU, Viena, Aprilie 2017:

Investigation of Ionospheric Anomalies related to moderate Romanian earthquakes occurred during last decade using VLF/LF INFREP and GNSS Global Networks, Iren-Adelina Moldovan, Christina Oikonomou, Haris Haralambous, Eduard Nastase, Victorin Emilian Toader, Pier Francesco Biagi, Roberto Colella, and Dragos Toma-Danila, Tue, 25 Apr, 17:30–19:00, Hall X3, X3.162, [EGU2017-17327](#) | Posters | [NH4.5/AS4.31/EMRP4.4/SM9.3](#)

ULF radio monitoring network in a seismic area, Victorin Toader, Iren-Adelina Moldovan, Constantin Ionescu, and Alexandru Marmureanu, Tue, 25 Apr, 17:30–19:00, Hall X3, X3.163, [EGU2017-17235](#) | Posters | [NH4.2/SM3.11](#)

Seismic risk assessment for Poiana Uzului (Romania) buttress dam on Uz river Iren-Adelina Moldovan, Dragos Toma-Danila, Cosmin Marian Paerele, Victorin Emilian Toader, Angela Petruta Constantin, and Cristian Ghita, Mon, 24 Apr, 17:30–19:00, Hall X4, X4.357, [EGU2017-18037](#) | Posters [NH4.5/AS4.31/EMRP4.4/SM9.3](#)

EGU2017-18563 | Posters | SM9.1 A study on determination of CAV threshold levels for the Vrancea earthquakes Alexandru Marmureanu, Alcik Hakan, Can Zulfikar, Victorin Toader, and Constantin Ionescu Wed, 26 Apr, 17:30–19:00, Hall X3, X3.67

EGU2017-16080 | Posters | SM5.1/ESSI2.10/GI1.6 Near Fault Observatories: multidisciplinary research infrastructures, high resolution data and scientific products available through dedicated services implemented within the EPOS-IP project Gaetano Festa, Lauro Chiaraluce, Semih Ergintav, Pascal Bernard, John Clinton, Alexandru Marmureanu, Dragos Tataru, and Kristin Vogfjord Mon, 24 Apr, 17:30–19:00, Hall X3, X3.67

EGU2017-17438 | Posters | SM5.3 Site characterization of the Romanian Seismic Network stations: a national initiative and its first preliminary results Bogdan Grecu, Bogdan Zahria, Elena Manea, Cristian Neagoe, Felix Borleanu, Mihai Diaconescu, Eduard Constantinescu, and Andrei Bala Wed, 26 Apr, 17:30–19:00, Hall X3, X3.55

EGU2017-13103 | Posters | TS5.4/NH4.8/SM6.6 Active stress field and seismotectonic features in Intra-Carpathian region of Romania Eugen Oros, Mihaela Popa, Mihai Diaconescu, and Mircea Radulian Fri, 28 Apr, 17:30–19:00, Hall X2, X2.244

EGU2017-17098 | Posters | SM4.1/ERE6.4 Seismotectonics of Marasesti region (Eastern Romania) revealed by earthquake relocations and moment tensor determinations Felix Borleanu, Maria Rogozea, Anca Placinta, Mihaela Popa, and Mircea Radulian Fri, 28 Apr, 17:30–19:00, Hall X3, X3.28 Add programme schedule to your personal programme

EGU2017-11793 | Posters | SM2.1/EMRP4.12 Source scaling properties in the upper segment of the Vrancea subcrustal nest (Romania) Mircea Radulian, Emilia Popescu, and Anca Otilia Placinta Tue, 25 Apr, 17:30–19:00, Hall X3, X3.34 Add programme schedule to your personal programme

EGU2017-7542 | Posters | SM1.1 A Vrancea doublet of earthquakes on September 23 and December 27, 2016: comparative analysis of effects Maria Rogozea, Mircea Radulian, Anica Placinta, and Dragos Toma-Danila Wed, 26 Apr, 17:30–19:00, Hall X3, X3.10

**6th National Conference on Earthquake Engineering & 2nd National Conference on Earthquake Engineering and Seismology (Bucharest, June 2017)**

Seismicity analysis using earthquakes energy, V.-E. Toader, I.-A. Moldovan, C. Ionescu, A. Marmureanu

Seismic Intensity estimation using macroseismic questionnaires and instrumental data - Case Study Bârlad, Vaslui County, I.-A. Moldovan, B. Grecu, A.P. Constantin, A. Anghel, E.F. Manea, L. Manea, R. Partheniu

Testing the macroseismic intensity attenuation laws for Vrancea intermediate depth earthquakes, M.-M. Rogozea, I.-A. Moldovan, A.-P. Constantin, E.-F. Manea, C.-O. Cioflan, L. M. Manea

Abnormal animal behavior prior to the Vrancea (Romania) major subcrustal earthquakes, A.P. Constantin, I.-A. Moldovan, R. Partheniu

Seismotectonic characterization of the South-Western part of Southern Carpathians. *Mihail Diaconescu*, Eugen Oros, Andreea Craiu , Anca Placinta, -poster

The seismogenic sources from the west and south-west of Romania, Eugen Oros, M. Popa, *M. Diaconescu*, in 6<sup>th</sup> National Conference on Earthquake Engineering & 2<sup>nd</sup> National Conference on Earthquake Engineering and Seismology, Proceedings, Edited by Florin Pavel,, Mircea Radulian, Cristian Arion, Mihaela Popa, Alexandru Aldea, Conspress Publishing House, Bucharest, 2017. pag.121-128

**17th International Multidisciplinary Scientific GeoConference and EXPO S G E M 2017**

Spectral Investigation Of Infrasonic Signals Recorded On The Romanian Black Sea Coast (Oral Presentation), Author/S: Phd Iren Adelina Moldovan, Phd Victorin Emilian Toader, Phd Adrian Septimiu Moldovan, Phd Daniela Ghica, Phd Angela Petruta Constantin

Perception And Preparedness Of The Tsunami Risk Within The Black Sea (Romania) Communities (Poster Presentation), Author/S: Phd Angela Petruta Constantin, Phd Iren Adelina Moldovan, Phd Franck Lavigne, Phd Delphine Grancher, Raluca Partheniu

Geotectonic setting of some seismological observatories from the eastern part of Romania, E. G. Constantinescu, M. Diaconescu, B. Grecu 17th International Multidisciplinary Scientific Geoconference-SGEM 2017, Conference Proceedings, Vol.17, Science and Tehnologies in geology, Exploration and Mining, Issue 11, Geology. Mineral Processing, pg. 247-254, ISBN 978-619-7408-00-3, ISSN 1314-2704, DOI 10.5593/SGEM2017/14

Seismicity of Streiu-Hateg Basin, Mihail Diaconescu, G.M. Craiu, E. Oros, A. Craiu, E.G. Constantinescu, in 17th International Multidisciplinary Scientific Geoconference-SGEM 2017, Conference Proceedings, Vol.17, Science and Tehnologies in geology, Exploration and

Mining, Issue 14, Applied and Environmental Geophysics, Oil and Gas Exploration, pg. 371-3379, ISBN 978-619-7408-00-3, ISSN 1314-2704, DOI 10,5593/SGEM2017/14

Stress field, seismicity and seismotectonic features in the Apuseni Mountains Area, E. Oros, E.G. Constantinescu, M. Diaconescu, M. Popa, in 17th International Multidisciplinary Scientific Geoconference-SGEM 2017, Conference Proceedings, Vol.17, Science and Technologies in geology, Exploration and Mining, Issue 14, Applied and Environmental Geophysics, Oil and Gas Exploration, pg. 421-428, ISBN 978-619-7408-00-3, ISSN 1314-2704, DOI 10,5593/SGEM2017/14

Catalog of focal mechanism for Vrancea (Romania) intermediate depth earthquakes (2005-20017), A. Craiu, M. Craiu, M. Mihai, M. Diaconescu, C. Ghita, in 17th International Multidisciplinary Scientific Geoconference-SGEM 2017, Conference Proceedings, Vol.17, Science and Technologies in geology, Exploration and Mining, Issue 14, Applied and Environmental Geophysics, Oil and Gas Exploration, pg. 49-55, ISBN 978-619-7408-00-3, ISSN 1314-2704, DOI 10,5593/SGEM2017/14

### **17th International Balkan Workshop on Applied Physics and Materials Science IBWAP 2017 (11-14, July, 2017) , Constanta, Romania**

Investigation of source parameters and clustering properties for the Vrancea (Romania) subcrustal earthquakes, Popescu, E., Placinta, A.O., Borleanu, F., Radulian, M., Coman, A.

The seismicity, active stress pattern and seismotectonics setting in the western territory of Romania - the case of Banloc-Voiteg seismogenic area, Oros, E., Placinta, A.O., Diaconescu, M., Popa, M.

Seismic Hazard And Risk Assessment For Poiana Uzului (Romania) Buttress Dam On Uz River, Authors: Iren-Adelina Moldovan, Dragos Toma-Danila, Cosmin Marian Paerele, Victorin Emilian Toader, Angela Petruta Constantin, Cristian Ghita (Poster)

Seismo-Acoustic Signature Of Thunderstorms Observed At Plostina Site (Romania), Authors: Bogdan Grecu, Daniela Ghica, Iren-Adelina Moldovan, Victorin-Emilian Toader, Dragos Tataru (Poster)

Seismic Warning Time For Vrancea Earthquakes In Three Large Dams Sites Situated In The Eastern Part Of Romania, Authors: Alexandru Marmureanu, Iren-Adelina Moldovan, Victorin Toader (Oral)

Seismicity of Italy, Mihail Diaconescu, S5O1

Main transversal and oblique active faults from onshore and offshore of the Black Sea coast, Mihail Diaconescu, Andreea Craiu, Iren Adelina Moldovan, Eduard Gabriel Constantinescu, S5 P1.

Geotectonic Characteristics of the Hateg Basin, Mihail Diaconescu, Andreea Craiu, Eugen Oros, Eduard Gabriel Constantinescu, Emilia Popescu, S5 P2.

The seismicity, active stress pattern and seismotectonics setting in the western territory of Romania - The case of Banloc-Voiteg seismogenic area, Eugen Oros, Anca Otilia Placinta, Mihail Diaconescu, Mihaela Popa , S5 P30.

Determination of the fault plane solutions using P wave polarities and amplitude ratios for the sequence of November 22<sup>nd</sup>, 2014 recorded in Petresti area, Cristian Ghita, Andreea Craiu, Mihail Diaconescu, Marius Craiu, Alexandru Marmureanu, S5 P33.

Precursor Phenomena In A Seismic Zone, S5 P23 Victorin E. Toader, Iren A. Moldovan, Constantin Ionescu, Alexandru Marmureanu, Traian Moldoveanu

Tectonic Stress Generates Precursor Acoustic Waves, S5 P24 Victorin E. Toader, Iren A. Moldovan, Constantin Ionescu, Alexandru Marmureanu

Monitoring The Black Sea Natural Hazards Using New Technology And Equipment Raluca Partheniu, Cristian Ghita, Victorin Toader, Eduard Nastase, Alexandra Muntean, Edvin Murat, Iren A. Moldovan, Constantin Ionescu, S5 P34

Comparative Analysis Of Four Historical Earthquakes From 19th Century With The Last Major Earthquakes In The Vrancea (Romania) Region, Maria Rogozea, Mircea Radulian, Dragos Toma-Danila, S5 P22

The Intensity Assessment Of The April 25, 2009, Vrancea Subcrustal Earthquake From Macroseismic Data, Angela Petruta Constantin, Aurelian Pantea, Iren Adelina Moldovan, S5 P35

### **WMESS 2017, 15-18 septembrie 2017, Praga, Cehia**

Comparison between macroseismic and instrumental intensities for recent Vrancea (Romania) moderate earthquakes, Moldovan, I.A., Constantin, A.P., Manea, E.F., Cioflan, C.O., Grecu, B., Placinta, A.O., Anghel, A.

Repeated earthquakes in the Vrancea subcrustal source and source scaling, Popescu, E., Placinta, A.O., Borleanu, F., Radulian, M.

### **Articole ISI publicate**

Detection of Events in a Multidisciplinary Network Monitoring Vrancea Area Victorin-Emilian Toader, Iren-Adelina Moldovan, Alexandru Marmureanu, Constantin Ionescu, Romanian Journal of Physics, Volume 61, Number 7-8, pp 1437-1449, 2016 (ISI IF =1.758, AIS = 0.243)

Input Parameters for the Probabilistic Seismic Hazard Assessment in the Eastern Part of Romania and Black Sea Area, I.A. Moldovan, M. Diaconescu, E. Popescu, M. Radulian, D. Toma-Danila, A.P. Constantin, A.O. Placinta, Romanian Journal of Physics, Volume 61, Number 7-8, pp 1412-1425, 2016 (ISI IF = 1.758, AIS = 0.243)

Source parameters of the earthquake sequence that occurred close to the BURAR array (Romania) between 24 June and 1 July 2011 Emilia Popescu, Anica Otilia Placinta, Mircea Radulian, Felix Borleanu, Mihail Diaconescu, Mihaela Popa, ANNALS OF GEOPHYSICS, 60, 2, 2017, S0225; doi: 10.4401/ag-7285

Probabilistic Seismic Hazard Assessment in the Black Sea Area, I.A. Moldovan, M. Diaconescu, R. Partheniu, A.P. Constantin, E. Popescu, D. Toma-Danila, Romanian Journal of Physics, Volume 62, Number 5-6, 2017 (ISI IF = 1.758, AIS = 0.243)

Investigation of Pre-Earthquake Ionospheric Anomalies Using VLF/LF INFREP European and GNSS Global Networks, Christina Oikonomou, Haris Haralambous, Iren Adelina Moldovan,

- Razvan Greculeasa, Romanian Journal of Physics, Volume 62, Number 7-8, 2017 (ISI IF = 1.758, AIS = 0.243)
- Monitoring Of Radon And Air Ionization In A Seismic Area, Victorin-Emilian Toader, Iren-Adelina Moldovan, Alexandru Marmureanu, Pushan Kr Dutta, Raluca Partheniu, Eduard Nastase Rom. Rep. Phys. 69, 709, 2017 (IF = 1.367)
- Spectral Investigation Of Infrasonic Signals Recorded On The Romanian Black Sea Coast (Oral Presentation), Author/S: Phd Iren Adelina Moldovan, Phd Victorin Emilian Toader, Phd Adrian Septimiu Moldovan, Phd Daniela Ghica, Phd Angela Petruta Constantin , SGEM 2017 Proceedings, PP405-413, ISBN 978-619-7408-00-3, ISSN 1314-2704, DOI 10,5593/SGEM2017/14 (Indexed ISI, fara IF)
- Perception And Preparedness Of The Tsunami Risk Within The Black Sea (Romania) Communities (Poster Presentation), Author/S: Phd Angela Petruta Constantin, Phd Iren Adelina Moldovan, Phd Franck Lavigne, Phd Delphine Grancher, Raluca Partheniu SGEM 2017 Proceedings, PP 311-319, ISBN 978-619-7408-00-3, ISSN 1314-2704, DOI 10,5593/SGEM2017/14 (Indexed ISI, fara IF)
- Geotectonic setting of some seismological observatories from the eastern part of Romania, E. G. Constantinescu, M. Diaconescu, B. Grecu 17th International Multidisciplinary Scientific Geoconference-SGEM 2017, Conference Proceedings, Vol.17, Science and Tehnologies in geology, Exploration and Mining, Issue 11, Geology. Mineral Processing, pg. 247-254, ISBN 978-619-7408-00-3, ISSN 1314-2704, DOI 10,5593/SGEM2017/14
- Seismicity of Streiu-Hateg Basin, Mihail Diaconescu, G.M. Craiu, E. Oros, A. Craiu, E.G. Constantinescu, in 17th International Multidisciplinary Scientific Geoconference-SGEM 2017, Conference Proceedings, Vol.17, Science and Tehnologies in geology, Exploration and Mining, Issue 14, Applied and Enviromental Geophysics, Oil and Gas Exploration, pg. 371-3379, ISBN 978-619-7408-00-3, ISSN 1314-2704, DOI 10,5593/SGEM2017/14
- Stress field, sesimicity and sesimotectonic features in the Apuseni Mountains Area, E. Oros, E.G. Constantinescu, M. Diaconescu, M. Popa, in 17th International Multidisciplinary Scientific Geoconference-SGEM 2017, Conference Proceedings, Vol.17, Science and Tehnologies in geology, Exploration and Mining, Issue 14, Applied and Enviromental Geophysics, Oil and Gas Exploration, pg. 421-428, ISBN 978-619-7408-00-3, ISSN 1314-2704, DOI 10,5593/SGEM2017/14
- Catalog of focal mechanism for Vrancea (Romania) intermediate depth earthquakes (2005-20017), A. Craiu, M. Craiu, M. Mihai, M. Diaconescu, C. Ghita, in 17th International Multidisciplinary Scientific Geoconference-SGEM 2017, Conference Proceedings, Vol.17, Science and Tehnologies in geology, Exploration and Mining, Issue 14, Applied and Enviromental Geophysics, Oil and Gas Exploration, pg. 49-55, ISBN 978-619-7408-00-3, ISSN 1314-2704, DOI 10,5593/SGEM2017/14
- Seismicity analysis using earthquakes energy, V.-E. Toader, I.-A. Moldovan, C. Ionescu, A. Marmureanu, Proceedings 2CNISS&6CNIS, pp. 143-150, Editura Conspress (acreditata CNCSIS), ISSN 2559-3943, ISSN-L 2559 – 3943, Bucuresti 2017
- Seismic Intensity estimation using macroseismic questionnaires and instrumental data - Case Study Bârlad, Vaslui County, I.-A. Moldovan, B. Grecu, A.P. Constantin, A. Anghel, E.F. Manea, L. Manea, R. Partheniu, Proceedings 2CNISS&6CNIS, pp107-114, Editura Conspress (acreditata CNCSIS), ISSN 2559-3943, ISSN-L 2559 – 3943, Bucuresti 2017
- Testing the macroseismic intensity attenuation laws for Vrancea intermediate depth earthquakes, M.-M. Rogozea, I.-A. Moldovan, A.-P. Constantin, E.-F. Manea, C.-O. Cioflan,

L. M. Manea, Proceedings 2CNISS&6CNIS, Proceedings 2CNISS&6CNIS, pp129-134, Editura Conspress (acreditata CNCSIS), ISSN 2559-3943, ISSN-L 2559 – 3943, Bucuresti 2017

Abnormal animal behavior prior to the Vrancea (Romania) major subcrustal earthquakes, A.P. Constantin, I.-A. Moldovan, R. Partheniu, Proceedings 2CNISS&6CNIS, pp.71-78, Editura Conspress (acreditata CNCSIS), ISSN 2559-3943, ISSN-L 2559 – 3943, Bucuresti 2017

### Articole BDI

Seismic Risk Assessment For Large Romanian Dams On Bistrita And Siret Rivers And Their Tributaries, Iren-Adelina Moldovan, Dragoș Toma-Danilă, Angela Petruta Constantin, Anica Otilia Plăcintă, Emilia Popescu, Cristian Ghita, Mihail Diaconescu, Traian Moldoveanu, Cosmin Marian Paerele, Studia UBB Ambientum, LXI, 1-2, 2016, Pp. 57-72 (Revista indexata BDI)

### Capitole carti

The Rating of Large Romanian Dams into Seismic Risk Classes, Iren Adelina Moldovan, Angela Petruța Constantin, Anica Otilia Plăcintă, Dragoș Toma-Dănilă, Cristian Ghiță, Traian Moldoveanu, Cosmin Marian Paerele, Capitol in cartea Resilient Society Multidisciplinary contributions from economic, law, policy, engineering, agricultural and life sciences fields, Book Series: Environment and Human Action, Editors and Coordinators: Alexandru Ozunu, Ioan Alin Nistor, Dacina Crina Petrescu, Philippe Burny, Ruxandra Mălina Petrescu - Mag Les Presses agronomiques de Gembloux, Belgium ISBN 978-2-87016-148-7 & Bioflux (acreditata CNCSIS), Romania ISBN 978 – 606 -8887 -08-1

### Articole acceptate

Main active fault from the Eastern part of Romania (Dobrogea and Black Sea). Part I: Longitudinal fault system. **M. Diaconescu**, Craiu A., Toma-Danila D., Craiu M., Romanian Reports in Physics, <http://www.rrp.infim.ro/IP/A308.pdf>

### Articole trimise spre publicat

Main transversal and oblique active faults from onshore and offshore of the Black Sea coast, **Mihail Diaconescu**, Andreea Craiu, Iren Adelina Moldovan, Eduard Gabriel Constantinescu, trimis la RRP

Geotectonic Characteristics of the Hateg Basin, **Mihail Diaconescu**, Andreea Craiu, Eugen Oros, Eduard Gabriel Constantinescu, Emilia Popescu , trimis la RRP

Seismic Warning Time For Vrancea Earthquakes In Three Large Dams Sites Situated In The Eastern Part Of Romania, Authors: Alexandru Marmureanu, Iren-Adelina Moldovan, Victorin Toader, trimis la RRP

The Intensity Assessment Of The April 25, 2009, Vrancea Subcrustal Earthquake From Macroseismic Data, Angela Petruta Constantin, Aurelian Pantea, Iren Adelina Moldovan, trimis la RRP

Tectonic Stress Generates Precursor Acoustic Waves, S5 P24 Victorin E. Toader, Iren A. Moldovan, Constantin Ionescu, Alexandru Marmureanu, trimis la RRP

Seismic Intensity estimation using macroseismic questionnaires and instrumental data - Case Study Bârlad, Vaslui County, I.-A. Moldovan, B. Grecu, A.P. Constantin, A. Anghel, E.F. Manea, L. Manea, R. Partheniu, trimis la Springer

Testing the macroseismic intensity attenuation laws for Vrancea intermediate depth earthquakes, M.-M. Rogozea, I.-A. Moldovan, A.-P. Constantin, E.-F. Manea, C.-O. Cioflan, L. M. Manea, trimise la Springer

Abnormal animal behavior prior to the Vrancea (Romania) major subcrustal earthquakes, A.P. Constantin, I.-A. Moldovan, R. Partheniu, trimise la Springer

*Toate rezumatele, prezentarile si articolele au multumiri aduse Proiectului daring, ctr 69/2014*