



Europass Curriculum Vitae

Personal information

First name and Surname (Dr.) Dragoș Toma-Dănilă
Address) 3 Pescarusului Str., B24 flat, sc. C, ap. 143, zip code 022306, sector 2, Bucharest, Romania
Telephone Mobile: +40722698438
E-mail toma@infp.ro; toma_drag@yahoo.com
Nationality Romanian
Date of birth 19 January 1988

Work experience

Dates	
December 2007 - present	Scientific Researcher (CS) II (November 2021 - present), CS III (November 2016 – October 2021), CS (June 2014 – October 2016), Research Assistant (May 2010 – May 2014), Technician (December 2007 - April 2010)
Occupation or position held	
Main activities and responsibilities	Contribution to seismic hazard, vulnerability and risk studies and projects, GIS cartographer, spatial and network analyst, administrator of the System for the Rapid Estimation the Seismic Damage in Romania (Seisdaro), developer of the Network-Risk toolbox and framework, seismic surveillance operator within the National Seismic Network, responsible in the education and outreach direction
Name and address of employer	National Institute for Earth Physics , 12 Calugareni Str., Magurele, Ilfov, Romania
Dates	July 2020 – December 2022
Occupation or position held	Researcher in Geography
Main activities and responsibilities	Research activity within the REDACT (Rapid Earthquake Damage Assessment ConsorTium) Project, Black Sea Joint Operational Programme 2014-2020, funded by the European Union, no. BSB 966
Name and address of employer	Ovidius University of Constanța , 124 Mamaia Blv, Constanța, Constanța, Romania

Education and training

Dates	2013 - 2018
Name and type of organisation providing education and training	Faculty of Geography, University of Bucharest
Level in national classification	Doctor (in Geography)
PhD thesis title	The seismic risk of transportation networks. Bucharest case study.
Dates	2009 - 2011
Title of qualification awarded	Specialist in Territorial Planning
Name and type of organisation providing education and training	Faculty of Geography, University of Bucharest
Level in national classification	Master
Dissertation title	Geospatial analysis of different loss estimates generated by Vrancea earthquakes

Dates 2006 - 2009
Title of qualification awarded Geographer
Name and type of organisation providing education and training Faculty of Geography, University of Bucharest
Level in national classification Bachelor

Dates 2007 - 2008
Title of qualification awarded Agent of Tourism - Guide
Name and type of organisation providing education and training Irecson Institute, Bucharest
Level in national classification National touristic guide

Dates 2002 - 2006
Title of qualification awarded Baccalaureate Diploma in informatics and mathematics
Name and type of organisation providing education and training "Matei Basarab" National College, Bucharest
Level in national classification Baccalaureate Diploma

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level (*)

English

French

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1
A2	A2	A2	A1	A2

(*) [Common European Framework of Reference for Languages](#)

Organizational skills and competences

Good organizational skills and implication: Research project director; Member in the National Platform for disaster risk reduction and the Emergency Situations Committee of Bucharest; Institutional responsible for implementing the INSPIRE Directive at INFP and member of the CINIS Working Group on Metadata; member in the Executive Office of the INFP syndicate; vice-president of the Romanian Tourism Association "Gioni Babos"; touristic guide; I was group responsible during faculty. I'm used to working in teams, being able to take initiative as a leader. I'm a good and meticulous organizer. I'm an adept of the practical dialogue, of computer-assistant management. I'm used to work under time pressure. I have teaching skills, leading training and workshop sessions and providing earthquake related practice for students of the Disaster Management master at the Faculty of Geography, University of Bucharest.

Computer skills and competences

- GIS software: ESRI ArcInfo, QGIS, Global Mapper, Google Earth, Grapher, Surfer
- Python (beginner level), Jupyter Notebook
- Matlab
- Seismological software: OpenQuake, Selena (SEismic Loss EstimatioN using a logic tree Approach), SeisGram, SeismoSignal, Antelope, Obspy, Swarm
- Web development and management: Adobe Dreamweaver, Wordpress, Joomla
- Video-audio editing software: Adobe Photoshop, Illustrator, InDesign, Premiere, After Effects, Corel Draw, Fruity Loops, Audacity
- Microsoft Office (Excel, Word, Access), Adobe Acrobat
- Windows sau Linux (Ubuntu, Centos)

	- basic repairing on computers and printers.
Artistic skills and competences	I graduated from a Music School (8 years), playing the violin, but I also self-learned guitar, mandolin and keyboard. I play with a rock-jazz band (Casa cu Prieteni), for which I also compose songs. I also promoted old mountain-specific music, through 3 non-commercial recorded CD's. I am a registered member of the Romanian Musical Performing and Mechanical Rights Society (UCMR-ADA), as composer, writer and musical producer with more than 30 musical compositions.
Other skills and competences	A1/A3 and A2 certified UAS (drone) pilot Hobbies: earth sciences, GIS (Geographic Information Systems), singing, tracking, tennis, mountain-bike
Driving license	Yes (B Category)

Research results

Citations

- On Web of Science: 247
- Hirsch index (h-index) on Web of Science: 9
- On Google Scholar: 517
- Hirsch index (h-index) on Google Scholar: 13

Published/elaborated works

In journals indexed on Web of Science (Clarivate Analytics/ISI) with impact factor

1. Özcebe AG, Tiganescu A, Ozer E, Negulescu C, Galiana-Merino JJ, Tubaldi E, **Toma-Danila D**, Molina S, Kharazian A, Bozzoni F, Borzi B, Balan SF. Raspberry Shake-Based Rapid Structural Identification of Existing Buildings Subject to Earthquake Ground Motion: The Case Study of Bucharest. *Sensors*. 2022; 22(13):4787. <https://doi.org/10.3390/s22134787>
2. Tiganescu A, Craifaleanu I-G, Aldea A, Grecu B, Vacareanu R, **Toma-Danila D**, Balan S-F and Dragomir C-S (2022) Evolution, Recent Progress and Perspectives of the Seismic Monitoring of Building Structures in Romania. *Front. Earth Sci.* 10:819153. doi: [10.3389/feart.2022.819153](https://doi.org/10.3389/feart.2022.819153)
3. **Toma-Danila D.**, Tiganescu A., D'Ayala D., Armas I., Sun L. (2022) Time-Dependent Framework for Analyzing Emergency Intervention Travel Times and Risk Implications due to Earthquakes. Bucharest Case Study. *Frontiers in Earth Science* 10:834052, doi: [10.3389/feart.2022.834052](https://doi.org/10.3389/feart.2022.834052)
4. Tiganescu A., Grecu. B., Neagoe C., **Toma-Danila D.**, Tataru D., Ionescu C., Balan S.F. (2022) PREVENT - an integrated multi-sensor system for seismic monitoring of civil structures. *Romanian Reports in Physics* 74, no. 706
5. Bala A., Radulian M., **Toma-Danila D.** (corresponding author) (2021) Present-day stress field pattern in the Vrancea seismic zone (Romania) deduced from earthquake focal mechanism inversion. *Annals of Geophysics* 64(6), SE661, doi: 10.4401/ag-8632, IF = 1,362 (2020); AIS = 0,438 (2020)
6. Crowley H., Despotaki V., Silva V., Dabbeek J., Romao X., Pereira N., Castru J.M., Daniell J., Veliu E., Bilgin H., Adam C., Deyanova M., Ademovic N., Atalic J., Riga E., Karatzetzou A., Bessason B., Shendova V., Tiganescu A., **Toma-Danila D.**, Zugic Z., Akkar S., Hancilar U. (2021) Model of seismic design lateral force levels for the existing reinforced concrete European building stock, *Bulletin of Earthquake Engineering*, 19:2839–2865, doi: 0.1007/s10518-021-01083-3, IF = 3,827 (2020); AIS = 0,856 (2020)
7. Marmureanu A., Ionescu C., Grecu B., **Toma-Danila D.**, Tiganescu A., Neagoe C., Toader V., Craifaleanu I.-G., Dragomir C.S., Meita V., Liashchuk O.I., Dimitrova L., Ilie I. (2021) From National to Transnational Seismic Monitoring Products and Services in the Republic of Bulgaria, Republic of Moldova, Romania, and Ukraine. *Seismological Research Letters*, 92 (3): 1685–1703, doi: 10.1785/0220200393, IF = 3,754 (2020); AIS = 1,406 (2020).
8. Marmureanu G., Borcia I.S., Marmureanu A., Cioflan C.O., **Toma D.**, Ilies I., Craiu G.M., Stoian I. (2020) Larger peak ground accelerations in extra-carpathian area than in epicenter, *Romanian Journal of Physics*, 65, article no. 811, IF = 1,888; AIS = 0,194.
9. Crowley H., Despotaki V., Rodrigues D., Silva V., **Toma-Danila D.**, Riga E., Karatzetzou A., Fotopoulou S., Zugic Z., Sousa L., Ozcebe S., Gamba P. (2020) Exposure model for European

- seismic risk assessment. *Earthquake Spectra* 1-22, doi: 10.1177/8755293020919429, IF = 3,030; AIS = 1,019
10. Bala A., Radulian M., **Toma-Danila D.** (2020) Crustal stress partitioning in the complex seismic active areas of Romania, *Acta Geodaetica et Geophysica*, doi: 10.1007/s40328-020-00299-0, IF = 1,324; AIS = 0,423.
11. **Toma-Danila D.**, Armas I., Tiganescu A. (2020) Network-risk: an open GIS toolbox for estimating the implications of transportation network damage due to natural hazards, tested for Bucharest, Romania. *Natural Hazards and Earth System Sciences*, 20(5):1421-1439, doi: 10.5194/nhess-20-1421-2020, IF = 4,345; AIS = 0,998.
12. Bala A., **Toma-Danila D. (corresponding author)** (2019) Crustal models assessment in Western Part of Romania employing active seismic and seismologic methods. *Romanian Reports in Physics*, 71, no. 710, IF = 2,147; AIS = 0,269.
13. Bala A., **Toma-Danila D. (corresponding author)**, Radulian M. (2019) Focal mechanisms in Romania: statistical features representative for earthquake-prone areas and spatial correlations with tectonic provinces. *Acta Geodaetica et Geophysica* 54(2): 263-286, doi 10.1007/s40328-019-00260-w, IF = 0,909; AIS = 0,221.
14. Diaconescu M., Craiu A., **Toma-Danila D.**, Craiu G.M. (2019) Main active faults from the eastern part of Romania (Dobrogea and Black Sea). Part I: longitudinal faults system. *Romanian Reports in Physics*, 71, no. 702, IF = 2,147; AIS = 0,269.
15. Radulian M., Bala A., Ardeleanu L., **Toma-Danila D.** Petrescu L., Popescu E. (2019) Revised catalogue of earthquake mechanisms for the events occurred in Romania until the end of twentieth century: REFMC. *Acta Geodaetica et Geophysica* 54(1):3-18, IF = 1,531; AIS = 0,416.
16. **Toma-Danila D.** (2018) A GIS framework for evaluating the implications of urban road network failure due to earthquakes: Bucharest (Romania) case study. *Natural Hazards* 93(S1):97–111, doi: 10.1007/s11069-017-3069-y, IF = 2,319; AIS = 0,566.
17. Popescu E., Radulian M., Bala A., **Toma-Danila D.** (2018) Earthquake mechanism in the Vrancea subcrustal source and in the adjacent crustal seismogenic zones of the South-Eastern Romania, *Romanian Reports in Physics* 70(3), no. 704, IF = 1,94; AIS = 0,296.
18. Radulian M., Bala A., Popescu E., **Toma-Danila D.** (2018) Earthquake mechanism and characterization of seismogenic zones in south-eastern part of Romania. *Annals of Geophysics*, 61(1), SE108, IF = 1,531; AIS = 0,416.
19. Marmureanu G., Manea E.F., Cioflan C.O., Marmureanu A., **Toma-Danila D.** (2017) Spectral Response Features Used in Last IAEA Stress Test to NPP Cernavoda (Romania) by Considering Strong Nonlinear Behaviour of Site Soils. *Romanian Journal of Physics*, 62(9-10), Article 822, IF = 1,433; AIS = 0,259.
20. Armas I., **Toma-Danila D. (corresponding author)**, Ionescu R., Gavris A. (2017) Vulnerability to Earthquake Hazard: Bucharest Case Study, Romania. *International Journal of Disaster Risk Science*, 8(2):182-195, doi: 10.1007/s13753-017-0132-y, IF = 2,225; AIS = 0,426.
21. Moldovan I.A., Diaconescu M., Partheniu R., Constantin A.P., Popescu E., **Toma-Danila D.** (2017) Probabilistic seismic hazard assessment in the Black Sea area. *Romanian Journal of Physics*, 62(5-6), Article 809, IF = 1,758; AIS = 0,243.
22. **Toma-Danila D.**, Armas I. (2017) Insights into the possible seismic damage of residential buildings in Bucharest, Romania, at neighborhood resolution. *Bulletin of Earthquake Engineering*, 15(3):1161-1184, doi: 10.1007/s10518-016-9997-1, IF = 2,804; AIS = 0,86.
23. Armas I., Ionescu R., Gavris A., **Toma-Danila D.** (2016) Identifying seismic vulnerability hotspots in Bucharest. *Applied Geography*, 77:49-63, doi: 10.1016/j.apgeog.2016.10.001, IF = 2,687; AIS = 0,822.
24. Moldovan I.A., Diaconescu M., Popescu E., Radulian M., **Toma-Danila D.**, Constantin A.P., Placinta A.O. (2016) Input parameters for the probabilistic seismic hazard assessment in the eastern part of Romania and Black Sea area, *Romanian Journal of Physics*, 61(7-8):1412-1425, IF = 1,758; AIS = 0,243.
25. Nastase E.I., Oikonomou C., **Toma-Danila D.**, Haralambous H., Muntean A., Moldovan I.A. (2016) Investigation of ionospheric precursors of earthquakes in Romania using the Romanian GNSS/GPS network, *Romanian Journal of Physics*, 61(7-8):1426-1436, IF = 1,758; AIS = 0,243.
26. Marmureanu G., Marmureanu A., Manea E.F., **Toma-Danila D.**, Vlad M. (2016) Can we use more classic seismic hazard analysis to strong and deep Vrancea earthquakes?, *Romanian Journal of Physics*, 61(3-4):728-738, IF = 1,758; AIS = 0,243.
27. Moldovan I.A., Constantin A.P., Biagi P.F., **Toma-Danila D.**, Moldovan A.S., Dolea P., Toader V.E., Maggipinto T. (2015) The development of the Romanian VLD/LF monitoring system as part of

the international network for frontier research on earthquake precursors (INFREP), Romanian Journal of Physics, 60(7-8):1203-1217, IF = 1,398; AIS = 0,173.

28. **Toma-Danila D.**, Zulfikar C., Manea E.F., Cioflan C.O (2015). Improved seismic risk estimation for Bucharest, based on multiple hazard scenarios and analytical methods; Soil Dynamics and Earthquake Engineering, 73:1-16, doi: 10.1016/j.soildyn.2015.02.013, IF = 1,481; AIS = 0,634.

29. Rogozea M., Marmureanu Gh., Radulian M., **Toma-Danila D.** (2014) Reevaluation of the macroseismic effects of the 23 January 1838 Vrancea Earthquake; Romanian Reports in Physics, 66(2):520-538, IF = 1,517; AIS = 0,21.

30. **Toma-Danila D.** (2012) Real-Time Earthquake damage assessment and GIS analysis of two vulnerable counties in the Vrancea Seismic Area, Romania; Environmental Engineering and Management Journal, 11(12):2265-2274, IF = 1,117; AIS = 0,085.

Indexed on Web of Science (Clarivate Analytics/ISI)

1. Bala A., **Toma-Danila D.**, Tataru D., Grecu B. (2017). Crustal Models Assessment in Western Part of Romania Employing Active Seismic and Seismologic Methods. IOP Conference Series: Earth and Environmental Science 95(2017): 032026.

2. Tataru D., **Toma-Danila D.**, Nastase E., Zaharia B., Grecu B. (2016). Empowering stem careers awareness through seismology educational research projects. Proceedings of the 9th annual International Conference of Education, Research and Innovation – ICERI (14-16 September 2016, Seville, Spain).

3. Diaconescu M., Craiu A., **Toma-Danila D.**, Craiu M. (2016). The main characteristics of the seismicity from the north-western part of Romania. SGEM 2016 Conference Proceedings, Volume III, pp. 655-662.

4. Tataru D., **Toma-Danila D.**, Nastase E. (2016). Seismic mitigation through education: the MOBEE (MOBILE Earthquake Exhibition) experience. SGEM 2016 Conference Proceedings. SGEM 2016 Conference Proceedings, Education and Accreditation in GeoSciences, pp. 985-992.

5. Nastase E.I., Muntean A., **Toma-Danila D.**, Mocanu V., Ionescu C. (2016). Study of NW Galati seismogenetic area, 3 GPS campaigns from 2013-2015, preliminary results. SGEM 2016 Conference Proceedings, Volume III, pp. 631-638.

6. Bala A., Tataru D., Grecu B., **Toma-Danila D.** (2016). Crustal structure models in Western part of Romania using cross correlation of seismic noise and receiver functions. SGEM 2016 Conference Proceedings, Volume III, pp. 443-450.

7. Cioflan C.O., **Toma-Danila D.**, Manea E.F. (2016) - Seismic loss estimates for scenarios of the 1940 Vrancea earthquake (chapter), pp 425-439. In: The 1940 Vrancea Earthquake. Issues, Insights and Lessons Learnt. Proceedings of the Symposium Commemorating 75 Years from November 10, 1940 Vrancea Earthquake. Eds: Vacareanu R. and Ionescu C., Springer Natural Hazards Series, Springer International Publishing, DOI 10.1007/978-3-319-29844-3.

8. **Toma-Danila D.**, Armas I., Cioflan C.O. (2016) - Conceptual framework for the seismic risk evaluation of transportation networks in Romania (chapter), pp 481-496. In: The 1940 Vrancea Earthquake. Issues, Insights and Lessons Learnt. Proceedings of the Symposium Commemorating 75 Years from November 10, 1940 Vrancea Earthquake. Eds: Vacareanu R. and Ionescu C., Springer Natural Hazards Series, Springer International Publishing, DOI 10.1007/978-3-319-29844-3.

9. Bala A., **Toma-Danila D.** (2016) - The strong Romanian earthquakes of 10.11.1940 and 4.03.1977. Lessons learned and forgotten? (chapter), pp 19-35. In: The 1940 Vrancea Earthquake. Issues, Insights and Lessons Learnt. Proceedings of the Symposium Commemorating 75 Years from November 10, 1940 Vrancea Earthquake. Eds: Vacareanu R. and Ionescu C., Springer Natural Hazards Series, Springer International Publishing, DOI 10.1007/978-3-319-29844-3.

10. **Toma-Danila D.**, Cioflan C.O., Balan S.F., Apostol B.F. (2015). The assessment of seismic networks distribution from a risk analysis perspective. Romania case study; 15th International Multidisciplinary Scientific Geoconference SGEM 2015, Science and Technologies in Geology, Exploration and Mining, Conference Proceedings Volume III, pp. 1035-1042.

11. Diaconescu M., **Toma-Danila D.**, Craiu A. (2015). Seismicity of the Olt Valley (Romania) and surrounding area; 15th International Multidisciplinary Scientific Geoconference SGEM 2015, Science and Technologies in Geology, Exploration and Mining, Conference Proceedings Volume III, pp. 991-998.

12. Tataru D., Grecu B., Zaharia B., **Toma-Danila D.**, Nastase E., Muntean A., Partheniu R. (2015). New science education initiative brings seismology into the classroom and museums; 15th International Multidisciplinary Scientific Geoconference SGEM 2015, Ecology, Economics, Education

and Legislation Conference Proceedings, Volume III, Environmental Economics, Education and Accreditation in Geosciences, pp. 973-980.

13. Bala A., Grecu B., Arion C., Popescu E., **Toma D.** (2015). Variability of strong ground motion in Bucharest Area due to Vrancea earthquakes; 15th International Multidisciplinary Scientific Geoconference SGEM 2015, Science and Technologies in Geology, Exploration and Mining, Conference Proceedings Volume III, pp. 1075-1082.

14. **Toma-Danila D.** (2013) Transport Network Vulnerability Assessment Methodology, Based on the Cost-Distance Method and GIS Integration (pp. 199-213). In: Intelligent Systems for Crisis Management, Springer Berlin Heidelberg.

BDI Indexed

1. **Toma-Danila D.**, Tataru D., Nastase E. (2021) Evaluating seismic risk perception and preparedness in Romania through questionnaires designed to reveal geopatterns and attitude profiles. *GeoPatterns*, 6:27-37. <https://doi.org/10.5719/GeoP.6/4>

2. Armas I., **Toma-Danila D.**, Popovici D., Mocanu (2020) Identifying optimal locations for mobile first aid facilities in Bucharest, accounting for seismic risk. *GeoPatterns*, 5(1), doi: 10.5719/GeoP.5/1

3. Bala A., Radulian M., **Toma-Danila D.** (2020) Crustal stress field in the active seismic zones in and around Vrancea, Romania, *Revue Roumaine de Geophysique*, 63-64: 55-61.

4. Diaconescu M., Craiu A., Toma-Danila D., Constantinescu E.G. (2020) Seismicity and tsunamigenic potential of the Black Sea and surrounding areas, *Revue Roumaine de Geophysique*, 63-64: 23-30.

5. Tiganescu, A., Balan S.F., **Toma-Danila D.**, Apostol B.F. (2019). Preliminary Analysis Of Data Recorded On Instrumented Buildings From Bucharest Area During The 28th October 2018 Vrancea Earthquake, Section: 5. Applied and Environmental Geophysics Proc. SGEM Conference.

6. Bala A., **Toma-Danila D.**, Radulian M. (2019) Horizontal stress field in the earth crust of Romania using multiple focal mechanism solutions, Section: 5. Applied and Environmental Geophysics Proc. SGEM Conference, doi: 10.5593/sgem2019/1.1/S05.104.

7. Moldovan I., Manea L., Constantin A.P., Grecu B., **Toma-Danila D.** (2018) Rapid seismic intensity assessment in Romania using Internet macroseismology, *Conference Proceedings SGEM 2018*, 18(1.1):931-938, DOI 10.5593/sgem2018/1.1/S05.116.

8. Tataru D., **Toma-Danila D.**, Grecu B., Nastase E. (2018) Research based technologies and products for seismic risk reduction in Romania, *Conference Proceedings SGEM 2018, Geology, Applied and Environmental Geophysics*.

9. **Toma-Danila D.**, Cioflan C.O. (2017). Enhancing earthquake shakemaps for Romania, by using azimuthal analysis and crowd-sourced intensity data. *SGEM 2017 Conference Proceedings*

10. Bala A., **Toma-Danila D.**, Grecu B., Tataru D. (2017). Assessing the crustal models and geodynamics behavior in western part of Romania. *SGEM 2017 Conference Proceedings*.

11. Rogozea M., Ghita C., Radulian M., Glavcheva R., **Toma-Danila D.** (2017). Macroseismic effects of 26 November 1829, 1 May 1893, 17 August 1893 and 31 August 1894 Vrancea earthquakes. *SGEM 2017 Conference Proceedings*.

12. Tataru D., **Toma-Danila D.**, Nastase E. (2017). MOBEE: A science campaign to urge earthquake preparedness in quake-prone countries, *SGEM 2017 Conference Proceedings*, 17(54):121-128.

13. Grecu B., **Toma-Danila D.**, Tataru D., Ionescu C., Danet A. (2017). Romanian Seismic Network: from earthquake monitoring to its role in decision making. *SGEM 2017 Conference Proceedings*.

14. **Toma-Danila D.**, Cioflan C.O., Armas I. (2017). GIS in seismology: contributions to the evaluation of seismic hazard and risk. *GeoPatterns*, 2(2):10-15

15. Moldovan I.A., **Toma-Danila D.**, Constantin A.P., Placinta A.O., Popescu E., Ghita C., Diaconescu M., Moldoveanu T., Paerele C.M. (2016). Seismic risk assessment for large Romanian dams on Bistrita and Siret rivers and their tributaries. *Studia UBB Ambientum*, 61(1-2):57-72

16. Armas I., **Toma-Danila D.**, Ionescu R., Gavris A. (2016). Quantitative population loss assessment: Seismic scenarios for Bucharest using 2002 census data. *GI_FORUM Journal*, Vol. 1, pp. 30-40, doi 10.1553/giscience2016_01_s30.

17. **Toma-Danila D.**, Cioflan C.O., Balan S.F., Manea E.F. (2015). Characteristics and results of the near real-time system for estimating the seismic damage in Romania, *Mathematical Modelling in Civil Engineering*, Vol. 11, No. 1, pp. 33-41

18. Armas I., **Toma-Danila D.**, Gheorghe D.A. (2015). Seismic loss estimates for buildings in Bucharest's historic centre in case of another 1977 Vrancea Earthquake; *Forum Geografic*, Vol. 14(1), pp. 5-13

Books and book chapters

1. Bala A., **Toma-Danila D.** (2022) Shear-wave velocity database as key input for seismic site amplification models in Bucharest City, Romania (chapter). In: Insights of Geosciences for hazard and education, ed. Chitea F. Cetatea de Scaun Ed., Targoviste, Romania, pp. 19-35
2. **Toma-Danila D.**, Cioflan C.O. (2021) Îmbunătățirea sistemului pentru estimarea rapidă a pagubelor generate de cutremure în România (SeisDaRo), printr-o mai bună considerare a particularităților hazardului și vulnerabilității locale (chapter 16), In: Cercetări multidisciplinare privind monitorizarea cutremurelor și modelarea fenomenului seismic, ed. Ionescu C., Radulian M., Bala A., Romanian Academy Ed., Bucharest, pp. 389-417, ISBN 978-973-27-3383-7
3. Rogozea M., Popa M., Radulian M., **Toma-Danila D.**, Glavcheva R., Paulescu D. (2021) Reevaluarea cutremurelor istorice majore din zona Vrancea comparativ cu datele instrumentale (chapter 10), In: Cercetări multidisciplinare privind monitorizarea cutremurelor și modelarea fenomenului seismic, ed. Ionescu C., Radulian M., Bala A., Romanian Academy Ed., Bucharest, pp. 247-280, ISBN 978-973-27-3383-7
4. Moldovan I.A., **Toma-Danila D.**, Toader V.E., Ghita C., Murat E., Constantin A.P., Muntean A. (2021) Monitorizarea perturbațiilor ionosferice și corelarea anomaliilor de propagare a undelor radio de frecvență joasă (LF) și foarte joasă (VLF) cu activitatea seismică și vremea spațială (chapter 17), In: Cercetări multidisciplinare privind monitorizarea cutremurelor și modelarea fenomenului seismic, ed. Ionescu C., Radulian M., Bala A., Romanian Academy Ed., Bucharest, pp. 421-446, ISBN 978-973-27-3383-7
5. Bala A., **Toma-Danila D.** (2021) Modele ale structurii crustei terestre și corelarea cu zonele seismice active. Distribuția direcțiilor orizontale de stres din crusta terestră pe baza mecanismelor cutremurelor (chapter 5), In: Cercetări avansate privind monitorizarea și modelarea fenomenului seismic, precum și reducerea riscurilor asociate, ed. Ionescu C., Bălă A., Radulian M., Romanian Academy Ed., Bucharest, pp. 129-160, ISBN 978-973-27-3356-1
6. Cioflan C.O., **Toma-Danila D.** (2021) Analiza de risc seismic bazată pe scenarii seismice (chapter 6), In: Cercetări avansate privind monitorizarea și modelarea fenomenului seismic, precum și reducerea riscurilor asociate, ed. Ionescu C., Bălă A., Radulian M., Romanian Academy Ed., Bucharest, pp. 161-184, ISBN 978-973-27-3356-1
7. Moldovan I.A., Constantin A.P., Manea M.L., Ardeleanu L., Rogozea M.M., **Toma-Danila D.**, Manea E.F., Mihai A., Ghita C., Muntean A., Ionescu C. (2021) Sistem de evaluare rapidă a distribuției efectelor macroseismice din înregistrări seismice (chapter 8), In: Cercetări avansate privind monitorizarea și modelarea fenomenului seismic, precum și reducerea riscurilor asociate, ed. Ionescu C., Bălă A., Radulian M., Romanian Academy Ed., Bucharest, pp. 219-252, ISBN 978-973-27-3356-1
8. Cioflan C.O., Balan S.F., **Toma-Danila D.** (2020) Hazard and seismic risk in Romania (chapter 6). In: National Institute of Research and Development for Earth Physics, 25 years after its founding (Institutul Național de Cercetare-Dezvoltare pentru Fizica Pământului, la 25 ani de la înființare), ed. Marmureanu G., Constantin I., Radulian M., Romanian Academy Ed., Bucharest, ISBN 978-973-27-3198-7
9. Tataru D., **Toma-Danila D.**, Nastase E., Zaharia B. (2020) Increasing awareness and resilience of people as regards strong earthquakes (chapter 7). In: National Institute of Research and Development for Earth Physics, 25 years after its founding (Institutul Național de Cercetare-Dezvoltare pentru Fizica Pământului, la 25 ani de la înființare), ed. Marmureanu G., Constantin I., Radulian M., Romanian Academy Ed., Bucharest, ISBN 978-973-27-3198-7
10. Bala A., Radulian M., Popescu E., **Toma-Danila D.** (2018). Catalogue of Earthquake Mechanism and Correlation with the Most Active Seismic Zones in South-Eastern Part of Romania (chapter). Seismic Hazard and Risk Assessment. Updated Overview with Emphasis on Romania. Ed: Vacareanu R., Ionescu C., Springer Natural Hazards, Springer International Publishing, DOI 10.1007/978-3-319-74724-8.
11. Marmureanu G., Vacareanu R., Cioflan C.O., Ionescu C., **Toma-Danila D.** (2018). Historical Earthquakes: New Intensity Data Points Using Complementary Data from Churches and Monasteries (chapter). Seismic Hazard and Risk Assessment. Updated Overview with Emphasis on Romania. Ed: Vacareanu R., Ionescu C., Springer Natural Hazards, Springer International Publishing, DOI 10.1007/978-3-319-74724-8.
12. Moldovan I.A., Constantin A.P., Placinta A.O., **Toma-Danila D.**, Ghita C., Moldoveanu T., Paerele C.M. (2017). The Rating of Large Romanian Dams into Seismic Risk Classes (chapter 7). In: Resilient Society. Multidisciplinary contributions from economic, law, policy, engineering, agricultural and life

sciences fields. Ed. Ozunu A., Nistor I.A., Petrescu D.C., Burny P., Petrescu-Mag R.M., Belgium, Les Presses Agronomiques de Gembloux and Romania, Bioflux.

13. Tataru D., Bican-Brisan N., Zaharia B., Grecu B., **Toma-Danila D.**, Tibu S. (2016). Despre cutremure si efectele lor: resurse practice pentru inovare in educatie: o experienta de succes – ROEDUSEIS, ISBN 978-606-528-335-8, CD Press Ed., Bucharest.

14. Manea E. F., **Toma-Danila D.**, Cioflan C. O., Marmureanu Gh. (2015) – Steps in Seismic Risk Mapping for Romania Capital City (chapter 8); In: Nonlinear Mathematical Physics and Natural Hazards: Selected Papers from the International School and Workshop held in Sofia, Bulgaria, 28 November – 02 December, 2013, ed. Aneva B, Kouteva-Guentcheva M., Springer (doi 10.1007/978-3-319-14328-6_8).

15. Grecu B., **Toma-Danila D.** (2013) – Despre cutremure si efectele lor: invatamant prescolar, ISBN 978-606-528-152-3, CD Press Ed., Bucharest.

Proceedings

1. **Toma-Danila D.**, Marmureanu A., Tiganescu A., Ionescu C., Armas I., Grecu B., Cioflan C.O., Neagoe C. (2022) Real-time solutions for an improved rapid response to earthquakes in Romania. Proceedings of the 3rd European Conference on Earthquake Engineering & Seismology (3ECEES), 4-9 September 2022, Bucharest, Romania

2. Bala A., **Toma-Danila D.**, Ciugudean-Toma V. (2022) 3D geological model and assigned geophysical properties aimed to improve the local seismic hazard analysis in Bucharest area. Proceedings of the 3rd European Conference on Earthquake Engineering & Seismology (3ECEES), 4-9 September 2022, Bucharest, Romania

3. Theodoulidis N., Margaritis B.N., Sotiriadis D., Zulfikar C., Okuyan A.S., Cioflan C.O., Manea E.F., **Toma-Danila D.** (2022) Rapid Earthquake Damage Assessment System in the Black Sea Basin: Selection/Adoption of GMPEs with Emphasis in the Cross-Border Areas. Proceedings of the 3rd European Conference on Earthquake Engineering & Seismology (3ECEES), 4-9 September 2022, Bucharest, Romania

4. **Toma-Danila D.**, Tiganescu A., Radulian M., Tataru D. (2022) Earthquakes in Romania: lessons of the past, brought to the present. Proceedings of the 3rd European Conference on Earthquake Engineering & Seismology (3ECEES), 4-9 September 2022, Bucharest, Romania

5. Tiganescu A., Marmureanu A., Grecu B., **Toma-Danila D.**, Neagoe C., Balan S.F., Ionescu C. (2022) A review of combined EEW and SHM system applications and potential use in Romania. Proceedings of the 3rd European Conference on Earthquake Engineering & Seismology (3ECEES), 4-9 September 2022, Bucharest, Romania

6. Tiganescu A., Borzi B., Balan S.F., Galiana-Merino J.J., Kharazian A., Molina S., Negulescu C., Ozcebe A.G., Ozer E., Peloso S., **Toma-Danila D.**, Tubaldi E. (2022) Techniques and methods for near real-time seismic damage detection. Proceedings of the 3rd European Conference on Earthquake Engineering & Seismology (3ECEES), 4-9 September 2022, Bucharest, Romania

7. Tataru D., **Toma-Danila D.**, Nastase E., Zaharia B. (2022) Earth Science Education, Outreach and Training program in Romania. Proceedings of the 3rd European Conference on Earthquake Engineering & Seismology (3ECEES), 4-9 September 2022, Bucharest, Romania

8. Tiganescu A., **Toma-Danila D.**, Grecu B., Craifaleanu I-G., Balan S.F., Dragomir C.S. (2021) Current status and perspectives on seismic monitoring of structures and rapid seismic loss estimation in Romania, Proceedings of the 1st Croatian Conference on Earthquake Engineering (1CroCEE), 22-24 March 2021, Zagreb, Croatia, doi: 10.5592/CO/1CroCEE.2021.120

9. Moldovan, I.A., Constantin A.P., Ardeleanu L., Ionescu C., Grecu B., Manea L.M., **Toma Danila D.**, Toader V.E., Partheniu R., Manea E.F., Tiganescu A., Placinta A.O. (2019) Macroseismic Intensity Estimation From Instrumental Ground Motion Recordings In The Case Of Small And Moderate Vrancea Subcrustal Earthquakes, Proc. of the 5th World Multidisciplinary Earth Sciences Symposium - Proc. IOP Conference Series Earth and Environmental Science, March 2019, vol. 221, 10 pp., 012057, DOI: 10.1088/1755-1315/221/1/012057, Published under licence by IOP Publishing Ltd LicenseCC BY 3.0.

10. **Toma-Danila D.**, Cioflan C., Ionescu C., Tiganescu A. (2018). The near real-time system for estimating the Seismic Damage in Romania (SeisDaRo) - recent upgrades and results. Proceedings of the 16ECEE (Thessaloniki, Greece).

11. **Toma-Danila D.**, Cioflan C., Manea E.F. (2018). Estimating the impact of strong earthquakes on the Romanian road network system. Proceedings of the 16ECEE (Thessaloniki, Greece)

12. Radulian M., Bala A., Popescu E., Oros E., **Toma-Danila D.** (2018). Focal mechanism in correlation with seismotectonics features of earthquake-prone areas in Romania. Proceedings of the 16ECEE (Thessaloniki, Greece).
13. **Toma-Danila D.**, Cioflan C.O., Armas I., Manea E.F. (2017). The contribution of GIS to seismology. Case study: the assessment of seismic hazard and risk in Romania. Proceedings of the 6th National Conference on Earthquake Engineering & 2nd National Conference on Earthquake Engineering and Seismology. Conspress, Bucharest, pp. 429-436.
14. Bala A., Radulian M., Popescu E., **Toma-Danila D.** (2017). Earthquake mechanism and correlation with seismogenic zones in the southern and eastern part of Romania. Proceedings of the 6th National Conference on Earthquake Engineering & 2nd National Conference on Earthquake Engineering and Seismology. Conspress, Bucharest, pp. 63-70.
15. **Toma-Danila D.**, Armas I., Cioflan C.O., Ionescu R., Gavris A. (2016). Recent researches on the quantification of seismic vulnerability and risk for Bucharest. Proceedings of the Risk Reduction for Resilient Cities Conference – RRRCC (3-4 November 2016, Bucharest, Romania).
16. **Toma-Danila D.**, Cioflan C.O. - The seismic risk of urban transportation networks. Bucharest case study. International Conference on Urban Risks ICUR2016 Proceedings (30 June – 2 July 2016, Lisbon, Portugal).
17. Balan S.F., **Toma-Danila D.**, Apostol B.F. - Reinforced concrete buildings behaviour in the Metropolis of Bucharest during strong earthquakes in Romania. International Conference on Urban Risks ICUR2016 Proceedings (30 June – 2 July 2016, Lisbon, Portugal).
18. Bala A., Arion C., **Toma D.** (2015) - Source Effects of Vrancea Earthquakes vs. Site Effects Recorded in Bucharest City, Romania; Proceedings of the 8th Congress of the Balkan Geophysical Society, BGS (4 - 8 Oct 2015, Chania, Greece), DOI: 10.3997/2214-4609.201414225.
19. **Toma-Danila D.**, Zulfikar C., Manea E.F. (2014) - Adapting Seismic Loss Estimation Software to Local Conditions – Vrancea Intermediate - Depth Earthquakes Case Study; Proceedings of the Second European Conference on Earthquake Engineering and Seismology (Istanbul, Turkey, 2014).
20. Manea E.F., **Toma-Danila D.**, Cioflan C.O., Marmureanu G., Radulian M, Balan S.F. (2014) - Seismic risk analysis for extra-Carpathian area of Romania, considering Vrancea intermediate-depth source; Proceedings of the Second European Conference on Earthquake Engineering and Seismology (Istanbul, Turkey, 2014), available at www.eaee.org/proceedings-of-2ecces-special-sessions.
21. **Toma-Danila D.**, Cioflan C.O., Balan S.F., Manea E.F. (2014) - Characteristics and results of the near real-time system for estimating the seismic damage of Romania, Proceedings of The 5th National Conference of Earthquake Engineering and The 1st National Conference on Earthquake Engineering and Seismology (Bucharest, Romania, 2014), pp. 411-418.
22. Moldovan I.A., Constantin A.P., Popescu E., Placinta A.O., **Toma-Danila D.** (2014) – Seismic Hazard and Risk Studies for Large Romanian Dams situated in the Western Part of Romania, Proceedings of The 5th National Conference of Earthquake Engineering and The 1st National Conference on Earthquake Engineering and Seismology (Bucharest, Romania, 2014), pp. 197-204.
23. Erduran E., Lang D.H., Lindholm C.D., **Toma-Danila D.**, Balan S.F., Ionescu C., Aldea A., Vacareanu R., Neagu C. (2012) - Real Time Earthquake Damage Assessment in Romanian-Bulgarian Border; Proceedings of the 15th World Conference on Earthquake Engineering (Lisbon, Portugal, 2012).

Databases

1. **Toma-Danila D.**, Mironescu Alessandra (2022) Buildings in Bucharest with seismic risk class I and II – GIS polygons, available at <https://arcg.is/0LjSvS>
2. **Toma-Danila Dragos**; Bala Andrei; Ciugudean-Toma Viorica (2022) 3D geological model for Bucharest, Mendeley Data, available at <https://data.mendeley.com/datasets/pkjpyjghk9>
3. H. Crowley, V. Despotaki, D. Rodrigues, V. Silva, C. Costa, **D. Toma-Danila**, E. Riga, A. Karatzetzou, S. Fotopoulou, L. Sousa, S. Ozcebe, P. Gamba, J. Dabbeek, X. Romão, N. Pereira, J. M. Castro, J. Daniell, E. Veliu, H. Bilgin, C. Adam, M. Deyanova, N. Ademović, J. Atalic, B. Bessason, V. Shendova, A. Tiganescu, Z. Zugic, S. Akkar, U. Hancilar (2021). European Exposure Model Data Repository [Data set]. Zenodo. <http://doi.org/10.5281/zenodo.4062044>
4. **Toma-Danila Dragos** (2021) Network-risk framework for ArcGIS (v1 and v2; Bucharest road network data included), Mendeley Data, doi: 10.17632/wp69xrf2c5, available at <https://data.mendeley.com/datasets/wp69xrf2c5>

5. **Toma-Danila Dragos** (2021) Hospitals in Bucharest and Ilfov (Romania), Mendeley Data, doi: 10.17632/b6mfpp6v7w, available at <https://data.mendeley.com/datasets/b6mfpp6v7w>
6. **Toma-Danila Dragos** (2021) Firestations in Bucharest and Ilfov (Romania), Mendeley Data, doi: 10.17632/rt94h6m4k, available at <https://data.mendeley.com/drafts/rt94h6m4k>
7. **Toma-Danila Dragos**; Bala Andrei; Arion Cristian (2021) Shear-wave velocity database for Bucharest, Mendeley Data, doi: 10.17632/jncnc6fng9, available at <https://data.mendeley.com/drafts/jncnc6fng9>
8. Crowley H., Despotaki V., Silva V., Dabbeek J., Romão X., Pereira N., Castro J. M., Daniell J., Velu E., Bilgin H., Adam C., Deyanova M., Ademović N., Atalic J., Riga E., Karatzetzou A., Bessason B., Shendova V., Tiganescu A., **Toma-Danila D.**, Zugic Z., Akkar S., Hancilar U. (2020). Evolution of European Seismic Design Levels Data. doi: 10.7414/EUC-EVOLUTION-EUROPEAN-SEISMIC-DESIGN-LEVELS-v1
9. Radulian M., Bala A., **Toma-Danila D.** (2020), REFMC 1929 - 2012 (Romanian Earthquake Focal Mechanism Catalogue), Mendeley Data, doi: 10.17632/mykx4gygy, available at <https://data.mendeley.com/datasets/mykx4gygy>
10. Crowley, V. Despotaki, D. Rodrigues, V. Silva, **D. Toma-Danila**, E. Riga, A. Karatzetzou, S. Fotopoulou, L. Sousa, S.Ozcebe, P. Gamba & Exposure Contributors (2019) European Exposure Model - Gridded Data (version 0.1). DOI: 10.7414/EUC-EUROPEAN-EXPOSURE-MODEL-GRIDDED-v0.1 (<https://maps.eu-risk.eucentre.it/map/european-exposure-gridded-data>).
11. H. Crowley, V. Despotaki, D. Rodrigues, V. Silva, **D. Toma-Danila**, E. Riga, A. Karatzetzou, S. Fotopoulou, L. Sousa, S.Ozcebe, P. Gamba & Exposure Contributors (2019). European Exposure Model - Level 0 Data (version 0.1). DOI: 10.7414/EUC-EUROPEAN-EXPOSURE-MODEL-LEVEL0-v0.1
12. H. Crowley, V. Despotaki, D. Rodrigues, V. Silva, **D. Toma-Danila**, E. Riga, A. Karatzetzou, S. Fotopoulou, L. Sousa, S.Ozcebe, P. Gamba & Exposure Contributors (2019). European Exposure Model - Level 1 Data (version 0.1). DOI: 10.7414/EUC-EUROPEAN-EXPOSURE-MODEL-LEVEL1-v0.1
13. **Toma-Danila D.**, Neagu C., Cioflan C.O., Vacareanu R., Neagoe C. (2013). GIS Soil Database, BIGSEES Project

Apps

14. **Toma-Danila D.** (2022) „The seismic risk of Bucharest” webGIS app
15. **Toma-Danila D.** (2019) „Bucharest and earthquakes” digital guided tour (<https://infp.maps.arcgis.com/apps/MapJournal/index.html?appid=b14fb7c496204dd2b72946ca5e1f2722>) (in Romania).
16. **Toma-Danila D.** (2017) Earthquakes in Romania and their effects. StoryMap GIS application (<https://arcg.is/0Cfu5X>).

Awards and diplomas

1. **Two best presentation awards** at the 2020 Geoscience International Symposium (20-21 November 2020, online event)
2. **Articles rewarded by the Executive Unit for Financing Higher Education, Research, Development and Innovation (UEFISCDI)** within the National Competition PRECISI 2015-2020:
 - 1) Marmureanu A., Ionescu C., Grecu B., Toma-Danila D., Tiganescu A., Neagoe C., Toader V., Craifaleanu I.-G., Dragomir C.S., Meita V., Liashchuk O.I., Dimitrova L., Ilie I. (2021) From National to Transnational Seismic Monitoring Products and Services in the Republic of Bulgaria, Republic of Moldova, Romania, and Ukraine. Seismological Research Letters, 92 (3): 1685–1703, doi: 10.1785/0220200393
 - 2) Crowley H., Despotaki V., Silva V., Dabbeek J., Romao X., Pereira N., Castru J.M., Daniell J., Velu E., Bilgin H., Adam C., Deyanova M., Ademovic N., Atalic J., Riga E., Karatzetzou A., Bessason B., Shendova V., Tiganescu A., Toma-Danila D., Zugic Z., Akkar S., Hancilar U. (2021) Model of seismic design lateral force levels for the existing reinforced concrete European building stock, Bulletin of Earthquake Engineering, 19:2839–2865, doi: 0.1007/s10518-021-01083-3
 - 3) Crowley H., Despotaki V., Rodrigues D., Silva V., Toma-Danila D., Riga E., Karatzetzou A., Fotopoulou S., Zugic Z., Sousa L., Ozcebe S., Gamba P. (2020) Exposure model for European seismic risk assessment. Earthquake Spectra 1-22, doi: 10.1177/8755293020919429

- 4) Toma-Danila D., Armas I., Tigianescu A. (2020) Network-risk: an open GIS toolbox for estimating the implications of transportation network damage due to natural hazards, tested for Bucharest, Romania. *Natural Hazards and Earth System Sciences*, 20(5):1421-1439.
 - 5) Bala A., Toma-Danila D. (2019) Crustal models assessment in Western Part of Romania employing active seismic and seismologic methods. *Romanian Reports in Physics*, 71, no. 710.
 - 6) Diaconescu M., Craiu A., Toma-Danila D., Craiu G.M. (2019) Main active faults from the eastern part of Romania (Dobrogea and Black Sea). Part I: longitudinal faults system. *Romanian Reports in Physics*, 71, no. 702.
 - 7) Toma-Danila D. (2018) A GIS framework for evaluating the implications of urban road network failure due to earthquakes: Bucharest (Romania) case study. *Natural Hazards* 93(S1):97–111.
 - 8) Moldovan I.A., Diaconescu M., Partheniu R., Constantin A.P., Popescu E., Toma-Danila D. (2017). Probabilistic seismic hazard assessment in the Black Sea area. *Romanian Journal of Physics*, 62(5-6).
 - 9) Toma-Danila D., Armas I. (2017). Insights into the possible seismic damage of residential buildings in Bucharest, Romania, at neighborhood resolution. *Bulletin of Earthquake Engineering*, 15(3):1161-1184.
 - 10) Armas I., Ionescu R., Gavris A., Toma-Danila D. (2016). Identifying seismic vulnerability hotspots in Bucharest. *Applied Geography*, 77:49-63.
 - 11) Toma-Danila D., Zulfikar C., Manea E.F., Cioflan C.O. (2015). Improved seismic risk estimation for Bucharest, based on multiple hazard scenarios and analytical methods. *Soil Dynamics and Earthquake Engineering*, 73:1-16.
3. **Best presentation award** at the 15th International Multidisciplinary Scientific Geoconference SGEM 2015, ISSN 1314-2704, DOI: 10.5593/sgem2015, SGEM ID: 14790
 4. **Certificate of Completion of the “Going Places with Spatial Analysis online course”**, held by ESRI and UDEMY. Certificate no: UC-HW4R0TQ0 (14 April 2015).
 5. **Certificate of Completion of the training course “Using the GIS Portal” within the Ro-Risk Project** (Contract Nr. 46391/01.07.2015), held by BION Advanced Support Team SRL. Certificate series: BI 2181.
 6. **Training Course in “Software for disaster scenarios (developed during the DACEA Project)”**, Administrator and User certificate (2012)

Others

1. **Toma-Dănilă D.** (2014) The map of earthquakes in Romania, in the 1900 – 2014 period; available at <https://mobee.infp.ro/>, ISBN 978-973-0-18054-1.
2. **Video materials promoting science:**
 - 1) Toma-Danila D. (2022 11 04) Cronica unui dezastru anunțat. Suntem pregătiți să vorbim despre un mare cutremur în România? Podcast Recorder - <https://recorder.ro/cronica-unui-dezastru-anuntat-suntem-pregatiti-sa-vorbim-despre-un-mare-cutremur-in-romania/>
 - 2) Toma-Danila D. (2022 03 22) Talk about earthquake prevention, Dimineți cu Georgia, Metropola TV, - <https://www.facebook.com/metropolatv/videos/683273442870660> (around 1:39:50)
 - 3) Radulian M., Toma-Danila D., Popa M., Delion D. (2022) “45 years since the 1977 earthquake” online symposium, <https://youtu.be/esG8XZ6QWAg>
 - 4) Toma-Danila D., Radulian M., Tigianescu A., Coman A. (2022) Cutremurul vrâncean din 4 martie 1977: https://youtu.be/U_QsdLKcACQ
 - 5) Toma-Danila D., Tigianescu A. (2021) Cutremurul vrâncean din 10 noiembrie 1940: <https://youtu.be/yZvcTefASBg>
 - 6) Tabără C., Toma-Danila D., Ionescu C., Tigianescu A., Tataru D. (2021) Exclusiv în România: De la pământ la cer - piscurile științei românești (@TVR1): <https://youtu.be/b9ag4RzI4jU>
 - 7) Neagoe C., Ghica D., Toma-Dănilă D., Dragomir C.S. (2021) Cât de bine pregătiți suntem pentru a înregistra cutremurele? Răspunsul INFP și URBAN-INCERC; filmat pentru evenimentul „Întrebările tale despre cutremure pot primi un răspuns” (4 martie 2021): https://www.youtube.com/watch?v=09tA6eXd_1s
 - 8) The „Bucharest and earthquakes” song (2021) <https://youtu.be/eODXWjGMQ1w>

Working stages, training courses, awards and others

- 9) Știință și Tehnică (2021) „Despre cutremure și ... spațiu”, <https://youtu.be/JXvzbGAsfGM>
 - 10) Cu Bună Știință: Cutremurele - cauze, mecanisme, consecințe. Dragoș Toma-Dănilă și Radu Văcăreanu. <https://fb.me/e/1mZkN1P8x>
 - 11) MSP S2B | Seisdaro - Sistem pentru estimarea rapidă a pagubelor generate de cutremure în România. <https://www.youtube.com/watch?v=R86sYT0R5yc>
 - 12) Despre cutremure – INFP. Dragoș Toma-Dănilă și Alina Coman, în cadrul Astrofest 2021. <https://youtu.be/0HfBUZCxEFo>
 - 13) Pregătirea la cutremur, Dragoș Toma-Dănilă în cadrul Astrofest 2021. <https://youtu.be/y0tOspiNi8Q?t=3309>
 - 14) Pregătit la cutremur? D. Toma-Dănilă, A. Țigănescu (INFP). În cadrul Noptii Cercetătorilor 2020. <https://youtu.be/HS2pt30iykM?t=5300>
 - 15) Toma-Danila D. (2010) Post-industrial Bucharest: The evolution of the north-west sub central area in the last 150 years (documentary):
<http://www.youtube.com/watch?v=IXgUv18RUK4>,
<https://www.youtube.com/watch?v=DOWg9FtcrKo> and
https://www.youtube.com/watch?v=Y_CraO3-86E
3. **Toma-Danila D.** (2012) Free Political Map of the World and of Europe (<http://toma-dragos.blogspot.ro/2013/01/political-map-of-world-and-of-europe.html>).
 4. **Toma-Danila D.** (2010, 2011) Free Touristic Map of Bucegi Mountains (<http://toma-dragos.blogspot.ro/2011/01/harta-muntilor-bucegi-zona-nordica.html>).
1. **Member** in the:
 - **National Platform for disaster risk reduction** (Platforma Națională pentru reducerea riscurilor la dezastre)
 - **Coordination committee for monitoring the implementation of the National Strategy for long-term renovation** (Comitetul de coordonare pentru monitorizarea implementării Strategiei naționale de renovare pe termen lung)
 - **Emergency Situations Committee of the Bucharest Municipality** (Comitetul Municipiului București pentru Situații de Urgență)
 2. **Responsible with the earthquake related practice of students at the Disaster Management Master of the Faculty of Geography, University of Bucharest.**
 3. **Coordinator of the Campaign for information-prevention regarding seismic risk, at the OMV Petrom** headquarters in Bucharest, Buzau and Petrobrazi, where 450 people attended interactive presentations and more than 1000 visited the Mobile Earthquake Exhibition (MOBEE) (16 September – 9 October 2019)
 4. **Member in the SEISM 2019 Earthquake Exercise Planning Committee**
 5. Participant in the SERA European Seismic Risk Model Review Workshop and OpenQuake-engine Training Workshop (12-13 September 2019, Istanbul, Turkey)
 6. **Participant in the OpenQuake hazard and risk workshop** (1-5 October 2018, Pavia, Italy)
 7. **Mentor within the Magurele Summer School in Science and Technology (2018, 2019, 2020 and 2021)**, to a number of 3/4 high school students, on the theme "Behavior of the soil-structure system during earthquakes" (2018), „Monitoring Data and their revealing” (2019) and „[What can seismic sensors tell us about the behavior of a building?](#)” (2020 and 2021; 2nd prize of the public and 2nd prize of the jury in 2020 and 2021)
 8. **Participant in the South-Eastern Europe Simulation Exercise (SEESIM) 2014 and 2016 exercise**
 9. **Chairperson** at the:
 - 11th Balkan Geophysical Society International Congress (online/Bucharest, Romania, 2021)
 - 12th ELSEDIM Conference (Cluj-Napoca, Romania, 2018)
 - 2nd International Conference on Natural and Anthropic Risks ICNAR (Bacau, Romania, 2014)
 10. **2 months workstage at Koeri Institute**, Bogazici University, Istanbul, Turkey (2013), within the NERA Project
 11. **4th Advanced Training Course in Land Remote Sensing** (1-5 July 2013, Athens, Greece), organized by the European Space Agency and Harokopio University. Certified academic performance: excellent.
 12. **1 month workstage at Norsar Institute**, Kjeller, Norway (2011), within the NERA Project

Accumulated experience in national/international projects

Project director in national projects

1. **PRE-QUAKE** (Preparing for the next major earthquake: exploring new scientific opportunities), PN-III-P1-1.1-PD-2019-0969, grant of the Romanian Ministry of Education and Research, CNCS – UEFISCDI, within PNCDI III, contract PD13/2020 (UEFISCDI nr. 1659/13.08.2020), 2020-2022, overall budget: 246.950 RON.
2. **Enhancing the rapid system for estimating the losses generated by earthquakes in Romania through a better consideration of the hazard particularities and local vulnerability** (Îmbunătățirea sistemului rapid de estimare a pagubelor generate de cutremure în România prin o mai bună considerare a particularităților hazardului și vulnerabilității locale) (Project Director). National Contract PN 16 35 02 03 within the CREATOR Nucleu Program (2016 - 2017)

Project team member in international projects

1. **REDACT** (Rapid Earthquake Damage Assessment Consortium), Black Sea Joint Operational Programme 2014-2020, funded by the European Union, no. BSB 966, period: 2020.07.01 –2022.12.31, overall budget: 974.860 €
2. **TURNkey** (Towards more Earthquake-resilient Urban Societies through a Multi-sensor-based Information System enabling Earthquake Forecasting, Early Warning and Rapid Response actions), H2020 Grant Agreement ID 821046, period: 2019.06.01-2022.05.31, overall budget: 7.999.948,75 €
3. **SERA** (Seismology and Earthquake Engineering Research Infrastructure Alliance for Europe), H2020 Grant agreement ID: 730900, period: 2017.05.01-2020.04.30, overall budget: € 11.090.779,02 €
4. **DACEA** (Danube Cross-border System for Earthquakes Alert). Romania-Bulgaria Cross Border Cooperation Program 2007-2013 co-financed by the European Union through the European Regional Development Fund, Contract nr. 52570, period: 2010 – 2013.

Project team member in national projects

1. **SETTING** - Integrated thematic services in the field of Earth observation - a national platform for innovation. National Contract MySMIS Code 108206 financed through the Regional Development European Fund (FEDR), period: 2021 – 2023
2. **PREVENT** - System for integrated monitoring of civil structures. National Contract PN-III-P2-2.1-PED-2019-0832, period: 2020 – 2022.
3. **PhENOMeNAL** - Virtual platform for interactive collection and analysis of multidisciplinary geophysical data. National Contract PN-III-P2-2.1-PED-2019-1693, period: 2020 – 2022.
4. **RO-RISK** – The evaluation of disaster risks at national level. National project co-financed by the European Union, no. SIPOCA 30, period: 2016 – 2017.
5. **MOBEE** (MOBile Earthquake Exhibition) National Contract PN-II-PT-PCCA-2013-4-0972 (2014-2017)
6. **TRAPAWA** (The 3D distribution of elastic waves propagation speed in the upper lithosphere of the Transylvanian Depression and Pannonic Basin in Romania). National Contract PN-II-PCCA-2013 (2014-2016)
7. The safety of water dams during destructive earthquakes: evaluation, enhancement, monitoring, warning and emergency planning. National Contract PN-II-PCCA-2013-4-1909 (2014-2017)
8. **BIGSEES** (Bridging the gap between seismology and earthquake engineering: from the seismicity of Romania towards a refined implementation of Seismic Action EN1998-1 in earthquake resistant design of buildings). Contract nr. 72/2012 (2012-2016)
9. **ROEDUSEIS** (Romanian Educational Seismic Network). Contract nr. 220/2012 (2012-2016)
10. **DGI-SAR** (Spaceborne Multiple Aperture Interferometry and Sequential Patterns Extraction Techniques for Accurate Directional Ground and Infrastructure Stability Measurements) (2012-2016)
11. Physical-Seismological Integrated Approaches for risk-prone zones considering results from seismic wave's propagation in nonlinear complex media. Young Teams Project financed by UEFISCDI (2011-2014)
12. NUCLEU Programme Projects of INFP (2008 - present)

Date: 29.12.2022

Signature: