



Europass Curriculum Vitae

Personal information

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Nationality Romanian

Date of birth 19 March 1954

Gender Male

Desired employment / Occupational field

Work experience

Seismology, Seismicity, Seismic source, Earthquake Hazard and Risk, Microzonation, Attenuation of seismic waves

Dates 2002 – present: President of the Scientific Council, NIEP; 2000 – present : Scientific Director, NIEP;
1999 – principal researcher

Occupation or position held Scientific Director

Main activities and responsibilities Scientific management, project responsible, peer reviewer, publication, teaching

Name and address of employer Ministry of Education and Research

Type of business or sector Research

Education and training

Dates 1999: PhD Thesis, Institute for Atomic Physics, Bucharest
1979: MSc, University of Bucharest - Faculty of Physics
1978: Bsc Thesis, University of Bucharest - Faculty of Physics

Title of qualification awarded Dr. in physics

Principal subjects/occupational skills covered Earth physics, seismology, seismic source, seismic hazard

Name and type of organisation providing education and training Institute of Physics of Earth - Moscow; Institut de Physique du Globe – Paris; International Centre for Theoretical Physics – Trieste; Institute of Geophysics – Karlsruhe;

Level in national or international classification

(remove if not relevant, see instructions)

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)

English, French, Italian

Self-assessment

European level (*)

Language

Language

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	good	Very good	Very good	good	good
French	Very good	Very good	good	good	good

(*) Common European Framework of Reference for Languages

Social skills and competences

Training young researchers, dissemination, teaching, supervisor of Master and Bachelor diplomas, Faculty of Physics and Faculty of Geology and Geophysics, University of Bucharest Associate Professor – Doctoral School of Physics, University of Bucharest (Faculty of Physics)

Organisational skills and competences

Project management, institutional research strategy, evaluation expertise in international (FP6, FP7, NATO, CONCERT) and national projects.

Technical skills and competences

Waveform analysis, signal processing, hazard and risk assessing

Computer skills and competences

Earthquake data processing, computation of seismic source parameters, Fortran programming

Artistic skills and competences

Other skills and competences

Official referent and evaluator for national and international projects, reviewer for national and international journals, participation in elaboration of national strategy for research-development and innovation

Driving licence

Additional information

223 published papers (99 in ISI journals);
Director in 19 international projects (NATO, UNESCO, SCOPES, ILP, CEI, FP5, FP6, FP7), 21 national projects and 5 bilateral projects.
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1377 quotations (without self-quotations) in ISI journals
h-index 19 (www.webofknowledge.com) 28 (Google Scholar)

Annexes

List of publications

September 2020

List of publications

1. **Radulian, M.**, Seismic hazard computation for Vrancea earthquakes, St. Cerc. Fiz. 33, 787-795, 1981 (in Romanian).
2. **Radulian, M.**, Seismic risk determination for Vrancea intermediate earthquakes, Proc. of the 2nd International Symposium on the Analysis of Seismicity and on Seismic Hazard, Liblice, Czech Republic, May 18-23, 1981, II, 545-552, Prague, 1981.
3. **Radulian, M.**, Trifu, C.-I., Wave equation solution in a homogeneous halfspace by the finite difference method for two-dimensional dynamic seismic source models, Rev. Roum. Phys. 28, 919-931, 1983.
4. Trifu, C.I., **Radulian, M.**, Synthetic near-field ground motion for an antiplane stress-drop model, Rev. Roum., Sci. Techn. Mec. Appl. 30, 511-522, 1985.
5. Trifu, C.I., **Radulian, M.**, Predicted near-field ground motion for stress-drop models, *Pure and Applied Geophysics* 123, 173-198, 1985.
6. Trifu, C.I., **Radulian, M.**, Scaling laws of the near-field SH ground motion, Acta Geophysica Polonica 3, 185-199, 1986.
7. **Radulian, M.**, Trifu, C.I., Scaling relationships for the near - field P-SV ground motion, Pure and Applied Geophysics 125, 19-40, 1987.
8. Trifu, C.I., **Radulian, M.**, Asperity distribution and percolation as fundamentals of earthquake cycle, Phys. Earth Planet. Interiors 58, 277-288, 1989.
9. Trifu, C.I., **Radulian, M.**, Popescu, E., Characteristics of intermediate depth microseismicity in Vrancea region, Rev. de Geofisica 46, 75-82, 1990.
10. Trifu C.I., **Radulian, M.**, Frequency - magnitude distribution of earthquakes in Vrancea: relevance for a discrete model, J. Geophys. Res. 96, 4301-4311, 1991.
11. **Radulian, M.**, Trifu, C.I., Carbutar, F.O., Numerical simulation of earthquake generation process, Pure and Applied Geophysics 136, 499-514, 1991.
12. **Radulian, M.**, Trifu, C.I., Would it have been possible to predict the August 30, 1986 Vrancea earthquake?, Bull. Soc. Seism. Am. 81, 2498-2503, 1991.
13. Trifu C.-I., **Radulian M.**, A depth-magnitude catalogue of Vrancea intermediate depth microearthquakes (1974-1991), Rev. Roum. Geol. Geophys. Geogr., Ser. Geophys. 35, 31-45, 1991.
14. Jianu D., **Radulian M.**, Seismic hazard estimation in the central part of Romania, Proc. of the XXIIInd ESC Gen.Ass., Barcelona, 1990, Vol. 1, 579-584, 1992.
15. Trifu, C.I., Deschamps, A., **Radulian, M.**, Lyon-Caen, H., The Vrancea earthquake of May 30, 1990: An estimate of the source parameters, Proc. of the XXIIInd ESC Gen. Ass., Barcelona, 1990, Vol. 1, 449-454, 1992.
16. Bazacliu O., Oancea V., Popescu E., **Radulian M.**, Trifu C.-I., Local magnitude calibration by coda wave amplitudes, Proc. XXIIIrd Gen. Ass. ESC, 7-12 September 1992, Prague, 182-184, 1993.
17. Popescu E., Bazacliu O., **Radulian M.**, The earthquake sequence of Ramnicu Sarat (Romania), 31 August - 1 September 1991, Proc. XXIIIrd Gen. Ass. ESC, 7-12 September 1992, Praga, 86-89, 1993.
18. Popescu E., **Radulian M.**, Bazacliu O., Source characteristics of the crustal micro-earthquakes in the vicinity of Vrancea station, Rev. Roum. Geophysique 37, 41-50, 1993.
19. **Radulian M.**, Popa M., Relative methods to set out the seismic source parameters, Rev. Roum. Geophysique 37, 29-40, 1993.
20. **Radulian M.**, Popa M., Scaling of the parameters of the Vrancea subcrustal seismic source, Proc. of XXIV General Assembly of the European Seismological Commission, Athens, p. 846-848, 1994.
21. **Radulian M.**, Popa M., Analysis of the space, time and energy distribution of Vrancea earthquakes, The Second Workshop of Statistical Models and Methods in Seismology. Application on Prevention and Forecasting of Earthquakes, Cephalonia, 2-5 June 1993, 145-157, 1994.
22. Trifu C.-I., **Radulian M.**, Dynamics of a seismic regime: Vrancea- a case history, in "Nonlinear Dynamics and Predictability of Geophysical Phenomena", Geophysical Monograph 83, IUUG vol. 18, eds. A.M. Gabrielov and W.I. Newman, AGU, Washington D.C., 43-53, 1994.
23. **Radulian M.**, Popescu E., Bazacliu O., A statistical analysis of the heterogeneity of the generation of the earthquake sequences in the Vrancea crust, Rom. Journ. Phys. 39, 343-351, 1994.
24. Schwab F., Mehlman R., Frez J., Acosta Chang J., Carlos J., **Radulian M.**, Ardeleanu L., Three-dimensional mapping of the earth's lithosphere and asthenosphere: project coverage of the earth, design of structural database, method of construction, successive improvements and evolution of results, and timetable and form for distribution of results, Proc. International Lithosphere Program Task Group II-4, Vol. 1: "Three-Dimensional Mapping of the Lithosphere and Asthenosphere", cap.2, 1-9, J. Sommers ed., Univ. of California, Los Angeles, 1994.
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33. Enescu D., Popescu E., **Radulian M.**, Source characteristics of the Sinaia (Romania) sequence of May-June 1993, Tectonophysics 261, 39-49, 1996.
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49. Ivan M., Wiejacz P., Popa M., **Radulian M.**, Upper mantle anisotropy beneath Vrancea area - Romania as derived from polarization of teleseismic S-waves recorded in Poland, Romanian Journal of Tectonics and Regional Geology, v.77, Supp.no.1, p.77, 1999.
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56. Popescu E., **Radulian M.**, Source parameters and scaling laws for the crustal microearthquake swarm of January, 1-3 1997 in the Vrancea seismic area, *Rom. Journ. Phys.* 45, 145-155, 2000.
57. Popa M., **Radulian M.**, Test of the empirical Green's function deconvolution on Vrancea (Romania) subcrustal earthquakes, *Studia geoph. et geod.* 44, 403-429, 2000.
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60. Popescu E., Bazacliu O., **Radulian M.**, Ardeleanu L., Clustering properties of the Vrancea (Romania) intermediate depth seismicity, *Studii si Cercetari de Geofizica* 38, 41-51, 2000.
61. Popescu E., **Radulian M.**, Popa M., Fractal properties of time, space and size distributions of the Sinaia earthquake sequence of May-June, 1993, *Studii si Cercetari de Geofizica*, 38, 29-39, 2000.
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2001

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65. Popa M., Popescu E., **Radulian M.**, Empirical Green's function technique determination of source and path effects in case of Vrancea subcrustal earthquakes, Proc. of the IAGA-IASPEI, Hanoi, Vietnam, 19-31 August, 2001 pp.25-28.
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2002

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83. Popa M., Grecu B., Popescu E., Placinta A., **Radulian M.**, Asymmetric distribution of seismic motion across South-Eastern Carpathians (Romania) and its implications, *Romanian Reports in Physics*, 55, 521-534, 2003.
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85. Bălă A., **Radulian M.**, Popescu E., Earthquakes distribution and their focal mechanism in correlation with the active tectonic zones of Romania, *Journal of Geodynamics* 36, 129-145, 2003.
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88. Popescu E., Popa M., **Radulian M.**, Efficiency of the spectral ratio method to constrain the source scaling properties of the Vrancea (Romania) subcrustal earthquakes, *Rom. Rep. Phys.* 55, 149-169, 2003.
89. Popescu E., Popa M., **Radulian M.**, Placinta A. O., Romanian crustal earthquake sequences: source scaling and clustering peculiarities, *St. cerc. Geofizica* 41, 63-82, 2003.
90. Moldoveanu C.L., Panza G.F., Cioflan C.O., **Radulian M.**, Mărmureanu G., A new seismic microzonation of Bucharest, *St. cerc. Geofiz.* 41, 81-91, 2003.

2004

91. Moldoveanu C.L., Novikova O.V., Panza G.F., **Radulian M.**, CN earthquake prediction algorithm and the monitoring of the future strong Vrancea events, *Rev. Roum. Geophysique* 48, 31-36, 2004.
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