Name: Novikova Tatyana

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Education:

Institute	Degree	Year
Faculty of Physics, Sanct-Petersuburg (Leningrad) University, Russia.	Undergraduate (BC in physics and Mathematics)	*1986-1990*
Faculty of Physics, Sanct-Peersuburg (Leningrad) University, Russia.	Graduate study (MS in Seismology)	*1990-1992*
Earth Physics Department, Institute of Physics, Sanct-Petersburg University, Russia	Postgraduate study (Ph.D in Theoretical Seismology)	1992 – 1997

Employment Record:

From	to	Employer	Description of Work
1999/02	2000/12	Institute of Earth Sciences, Academia Sinica, Taiwan	postdoctoral fellow in seismology research field.
14.03.01	15.05.01	Institute of Geodynamics, National Observatory, Greece	NATO research fellow: theoretical models in tsunami research application to the Amorgos case.
2001/09	2002/09	Institute of Earth Sciences, Academia Sinica, Taiwan	postdoctoral fellow in seismology research field
2002/12	2004/08	Institute of Geodynamics, National Observatory, Greece	visiting researcher: application numerical models for liquefaction cases in Greece.
2004/09	2005/01	Wiener Laboratory,	Research associate:

		American Scholl of Classical Studies, Greece.	application of numerical modeling to the Minoan tsunami case
2006/01- **2014:** **30.08-** **05.09**	present	Institute of Geodynamics, National Observatory, Greece Institute of Earth Sciences, Academia Sinica, Taiwan	Research associate: -numerical models for the tsunami case studies; -nonlinear site response analysis; -seismic hazard assessment Invited researcher. **Topics:** 1. Prediction and evaluation of nonlinear site response at the liquefaction susceptible regions of Greek mainland; 2. Tsunami hazard in Greece: simulated scenarios from modern and historical seismic events.

Languages:

Russian	native
English	excellent: reading, writing, speaking
Greek	Good speaking, reading

Publications:

1. Novikova, T., K. L. Wen and B. S. Huang, 2000, Amplification of gravity and Rayleigh waves in a layered water-soil model, Earth Planets Space, 52, 579-586.

2. Novikova, T., K. L. Wen and B. S. Huang, 2002, Analytical model for gravity and Rayleigh wave investigation in the layered ocean-earth structure, Bull. Seism. Soc. Am., 92, 723-738.

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8. Novikova, T., G. A. Papadopoulos, G.A., and F. W. McCoy, 2011, Modeling of Tsunami Generated by the Giant Late Bronze Age Eruption of Thera, South Aegean Sea, Greece, *Geoph. J. Int.*, 186, 665–680 doi: 10.1111/j.1365-246X.2011.05062.

9. Papadopoulos, G. A., Daskalaki, E., Fokaefs, A. and Novikova, T., 2014. Tsunamigenic potential of local and distant tsunami sources threatening SW Peloponnese. Boll. Geof. Teor. Appl., 55, 469-484, DOI 10.4430/bgta0097.

10. Papadopoulos, G. A., E. Gràcia, R. Urgeles, V. Sallares, P.M. De Martini, D. Pantosti, M. González, A. C. Yalciner, J. Mascle, D. Sakellariou, A. Salamon, S. Tinti, V., Karastathis, A. Fokaefs, A. , Camerlenghi, T. Novikova and A. Papageorgiou, 2014. Historical and pre-historical tsunamis in the Mediterranean and its connected seas: Geological signatures, generation mechanisms and coastal impacts. Marine Geology, 2014, DOI: 10.1016/j.margeo.2014.04.014. (Invited Review Article).

11. Papoulia, J., Fahjan, Y. M., Hutchings, L., T. Novikova. 2015. PSHA for broad-band Strong Ground-Motion Hazards in the Saronikos Gulf, Greece, from Potential earthquake with Synthetic Ground Motions, *Journal of Earthquake Engineering*,:624–648, DOI: 10.1080/13632469.2014.991977

12. Hutchings1, L., Mert, A., Fahjan Y., Novikova, T., Golara, A., Miah., M., Fergany, E., and W. Foxall, 2017. Physics Based Hazard Assessment for Critical Structures near Large Earthquake Sources, *Pure and Applied Geophysics*, doi 10.1007/s00024-017-1572-4.

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