

SWATI SINGH RAJPUT

Department of Civil Engineering

Women Institute of Technology Dehradun

Veer Madho Singh Bhandari Uttarakhand Technical University

Phone No- 9557667630

Email Id- swatisinghr.173@gmail.com; swatisinghrajput@wit.ac.in

Current Post

Working as an Assistant Professor in Civil Engineering department of a self- financed government college under Veer Madho Singh Bhandari Uttarakhand Technical University from 3rd July 2020.

Experience

Worked as Assistant Professor in Civil Engineering department of College of Technology, Govind Ballabh Pant University of Agriculture & Technology, Pantnagar from 29th September 2018 to 30th June 2020 under TEQIP III-NPIU project funded by World Bank.

Education Record

	School/ University	Board/ College/ Department	Year	% Marks /CGPA	Division
10th	Greenway modern School Roorkee	CBSE	2005	85.4%	1 st Division
12th	Greenway modern School Roorkee	CBSE	2007	82.2%	1 st Division
B. Tech	Govind Ballabh Pant University of Agriculture and Technology	Department Of Civil Engineering, College of Technology	2011	79.43%	1 st Division with distinction
M. Tech	Indian Institute of Technology Roorkee	Department of Earthquake Engineering	2014	95.0%	1 st Division with distinction
Ph D	Indian Institute of Technology Roorkee	Department of Earthquake Engineering	2023	-	Completed

Academic Qualification

- PhD on the topic entitled " Risk assessment of identified seismo-tectonically susceptible areas in Western Himalaya" from Department of Earthquake Engineering, Indian Institute of Technology Roorkee, Roorkee, India in 2023.
- Master of Technology on the topic "Vulnerability Assessment of Area and Structures" from Department of Earthquake Engineering, Indian Institute of Technology Roorkee, Roorkee, India in 2014.

Academic Achievements

- Received MHRD fellowship from AICTE, by the Government of India (Duration of Fellowship: Aug 2012 – June 2014 and Aug 2014- September 2019).
- Qualified Graduate Aptitude Test in Civil Engineering in 2012 and 2014.
- Was awarded the university Merit Scholarship for being the third topper of the civil engineering batch 2007-08 and 2009-2010 at graduate level.

List of Publications

1. **Rajput, Swati S.**, Mridula and Sinvhal, A., (2014), Vulnerability assessment of Area and Structures, Proceedings of 15th Symposium on Earthquake Engineering, pp. 1099-1108.
2. Singh, M., **Rajput, Swati S.**, Sinvhal, A., and Wason, H.R., (2015), Seismic Hazard and Vulnerability Assessment of Himachal Pradesh and Contiguous Regions, EMI 2015 Conference, Stanford University, June 16-19, 2015. (Abstract)
3. **Rajput, Swati S.**, Mridula, Sinvhal, A., Wason, H. R. and Dixit, P. (2016), Seismic Hazard and Risk Assessment in Kangra Seismogenic Source Zone, 6th International Conference on Recent Advances in Geotechnical Earthquake Engineering & Soil Dynamics, Noida, **India**, August 1-6, 2016.
4. Mridula, A. Sinvhal, H. R. Wason, and **Rajput Swati S.** (2016), Segmentation of Main Boundary Thrust and Main Central Thrust in Western Himalaya for assessment of seismic hazard, Natural hazards, 84: 383, doi: 10.1007/s11069-016-2424-8.
5. **Rajput, Swati S.**, Mridula, Sinvhal, A. and Jakka, R. S. (2017), Seismic Hazard and Risk Assessment of Himachal Pradesh and its contiguous area, 14th Annual meeting Asia Oceania Geosciences Society in SUNTEC **Singapore** from 6-11 August 2017, *Abstract*.
6. **Rajput, Swati S.**, Jakka, R. S. and Sinvhal, A. (2018), Identification of seismo-tectonically susceptible area in northwestern Himalaya using pattern recognition, IGC 2018, IISc Bangalore.
7. **Rajput, Swati S.**, Sinvhal, A. and Jakka, R. S., (2018), Seismic Risk Assessment: A case study for Dehradun, 16th Symposium on Earthquake Engineering, IIT Roorkee.

8. **Rajput, Swati S.**, Jakka, R. S. and Sinvhal, A. (2021), Pattern Recognition to Identify Susceptible Area in Northwestern Himalaya, Lecture Notes in Civil Engineering, Vol. 86, Raghuvver Rao P. and Madhavi Latha Gali (Eds): GEOHAZARDS, 978-981-15-6232-7, 484459_1_En (47), 653-665.
9. **Rajput, Swati S.**, Jakka, R. S. and Sinvhal, A., (2023) A spatiotemporal risk scenario for a predictive earthquake in the intraplate Himalayan tectonic zone, in Journal of Earthquake Engineering, Journal of Earthquake Engineering 27(1):1-33

Membership

- Life-time member of 'Indian Society of Earthquake Engineering Technology', Membership no - LM 168
- Life membership of 'Indian Geotechnical Society', IGS Membership No. LM-4921
- Associate member of 'The Institution of Engineers (India)', Membership No: AM1919868

International Visit

- Presented a paper on "Seismic Hazard and Risk Assessment of Himachal Pradesh and its contiguous area" in 14th Annual meeting Asia Oceania Geosciences Society held at SUNTEC Singapore from 6-11 August 2017.

Personal Profile

- Gender: Female
- Marital status: Single
- Nationality: Indian
- Languages known: English and Hindi
- Favorite pursuits: Reading, bird watching, sketching, gardening etc.