

9

Natural Disasters and Mental Health: Finding Solutions

Mental health before, during and after disasters; trauma preparedness; global case discussions; community-level solutions.

22nd Nov, 2026



Vinita Sharma, MPH, PhD

Lead | Assistant Professor,
Public Health | Indiana
University, USA



Daniel P. Johnson, PhD

Resource Person | Associate
Professor, Geography; The Polis
Center | Indiana University



Stephen L. Boehm, PhD

Resource Person | Professor,
Psychology; IU Human Health
and Wellbeing



**Dr. Shiva Pratap
Gopakumar**

Associate Professor, School for
Sustainable Futures



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1 Multi-Hazard Risk Assessment (MHRA)

Interacting and cascading hazards; exposure and vulnerability; qualitative and quantitative risk; RiskChanges and practical geospatial tools.

22nd Nov, 2026



Prof. Cees J. van Westen

Full Professor, Multi-Hazard Risk Dynamics | ITC, University of Twente, Netherlands



Dr. Ashok Dahal

Assistant Professor, Applied Earth Sciences | ITC, University of Twente, Netherlands



Dr. Sai Hari Chandana Ekkirala

Assistant Professor, Center for Wireless Networks & Applications

3 From Sentinel-1 to NISAR: Satellite SAR for Landslide Applications

SAR and InSAR fundamentals; Sentinel-1 lessons; frequency bands and limitations; multi-source monitoring; NISAR and operational use.

22nd Nov, 2026



Dr. Oriol Monserrat

Senior Research Scientist | CTTC, Spain



Dr. Alka Singh

Assistant Professor, Center for Wireless Networks & Applications

2 Landslide Risk Assessment

Inventories and risk data; geomorphological, statistical and probabilistic methods; risk communication; local-to-national applications.

22nd Nov, 2026



Dr. Fausto Guzzetti

Professor of Hazard and Risk | Durham University, UK; CNR-IMATI, Italy



Dr. Paola Salvati

Senior Research Scientist | CNR-IRPI, Italy



Prof. Bruce D. Malamud

Wilson Chair of Hazard and Risk | Durham University, UK



Dr. Raji P.

Assistant Professor, Amrita School for Sustainable Futures, Amritapuri

4 Hydrometeorological Thresholds and EWS Under Climate Change

Regional hazard assessment; rainfall and hydrological variables; threshold development; hands-on exercises; climate- and land-use-driven change.

25th Nov, 2026



Dr. Thom Bogaard

Full Professor, Hydrology and Geomorphology | TU Delft; Visiting Professor, Kasetsart University



Nitin Kumar M

Amrita Center for Wireless Networks and Applications

5 AI for Landslides

AI and geospatial intelligence for landslide detection, mapping and prediction; scalable analysis; decision-support applications.

22nd Nov, 2026



Dr. Rajat Shinde

Computer Scientist | NASA IMPACT Program / UAH, USA



Prof. Wenwen Li

Professor | Arizona State University, USA



Dr. Hemalatha T.

Assistant Professor, Center for Wireless Networks & Applications

7 Landslide Prediction, Satellite Data and Digital Twins

Landslide inventories; satellite rainfall and soil moisture; threshold calibration and validation; geospatial digital twins for decision support.

22nd Nov, 2026



Dr. Maria Teresa Brunetti

Senior Research Scientist
Consiglio Nazionale delle Ricerche, Istituto di Geoscienze, Italy



Dr. Massimo Melillo

Research Scientist
Consiglio Nazionale delle Ricerche, Istituto di Geoscienze, Italy



Dr. Dhanya M.

Assistant Professor, Amrita Center for Wireless Networks & Applications

6 Using InSAR and AI for Slow-Moving Landslides

Deformation monitoring; InSAR mapping and time-series analysis; AI forecasting; early warning and risk management; practical workflows.

22nd Nov, 2026



Dr. Ashok Dahal

Assistant Professor, Applied Earth Sciences | ITC, University of Twente, Netherlands



Dr. Sabari Ramesh

Assistant Professor, Amrita Center for Wireless Networks and Applications

8 Geospatial Modeling of Slope Instability Using GRASS GIS

Slope-unit delineation; landslide susceptibility; rockfall simulation; reproducible, open-source geospatial modeling workflows.

22nd Nov, 2026



Dr. Massimiliano Alvioli

Senior Researcher
Research Institute for Geo-Hydrological Protection (IRPI), National Research Council of Italy (CNR), Italy



Dr. Aadityan Sridharan

Assistant Professor, Centre for Wireless Networks and Applications