



Science and Technology Awards 2023

Recipient of Academic Achievement Award of Science and Technology Awards (AAA-STA)

Xuanmei Fan

Prof. Xuanmei Fan serves as deputy director of State Key Laboratory of Geo-hazards Prevention and Geo-environment Protection, director of Department of international cooperation and exchange of Chengdu University of Technology. She has made remarkable contributions to bridging the knowledge disparity regarding the intricate interconnections between earthquake-induced geological hazards and regional morpho-lithological, tectonic, and climatic specialties.

She has devised innovative computational methodologies and an advanced early warning system to assess, predict, and mitigate the risk associated with earthquake-induced geological hazards for the scientific community and stakeholders. Her endeavors have significantly enhanced the effectiveness of risk reduction strategies for immediate, near-term, and long-term geological hazards. Her research outcomes played a significant role in the relief and reconstruction efforts following multiple major earthquakes in China, including the Wenchuan, Lushan, Jiuzhaigou, and Luding earthquakes, which brought remarkable social and economic benefits. Her research findings have been published in 207 papers in prestigious geoscience journals, including Nature Geoscience, Reviews of Geophysics, Earth Science Reviews, Geophysical Research Letters, and others, receiving a total of more than 6000 citations.