

Disaster Advances

VOL. 18(12), DECEMBER 2025



**INDEXED IN SCOPUS, GEOBASE
AND UGC**

❖ ❖ ❖ ❖ **DISASTER ADVANCES** ❖ ❖ ❖ ❖

**An International peer reviewed Journal in Natural Disasters, Manmade Disasters,
Earth Sciences, Geo-Sciences and Atmospheric Sciences**
“Disaster Advances”, Volume No. 18(12), Pages 1-104, December (2025)

Editor-in-Chief (Hon.)
Dr. Bin Xu, Ph.D.
CHINA

Correspondence Address:

“Disaster Advances”

Sector AG/80, Scheme No. 54, **Indore 452 010 (M.P.) INDIA**
Mobile: +91-94250-56228

Website: <https://www.worldresearchersassociations.com>

E-mail: info@worldresearchersassociations.com

CONTENTS

Research Papers:

1.	High-Resolution Aeromagnetic data for structural features mapping in the Mandjap I area, Douala-Cameroon: Implications for structurally-controlled Mineralization Prospection - Mono Jean Aimé, Zanga Amougou Alain, Enyegue A Nyam Françoise Martine, Bouba Apollinaire and Ndougsa Mbarga Théophile	1-18
2.	A Geospatial Approach to identify Landfill Sites as Alternatives to Unsuitable Dumping Areas - Karuppaiyan Kalaiyarasan and Jayaprakash Santhosh	19-30
3.	Spatiotemporal agricultural drought analysis in Sivaganga district using Remote sensing indices and Google Earth Engine - Suvish S.	31-40
4.	Assessment of soil erosion risk of marginal plain of the Ganga River: a case study of the lower Chambal watershed in Uttar Pradesh, India - Singh Ajay Pratap, Gaund Rishikesh and Chandra Sushil	41-50
5.	Enhanced rainfall prediction in Gujarat, India using advanced machine learning models - Shaikh A.F., Kharat P.V., Pujari A.B., Gunaware P.D. and Darade M.M.	51-58
6.	Geospatial Assessment of Soil Salinity in an Urban Coastal Environment: A Case Study of Chennai Metropolitan Region, Southern India - Sundaramoorthy Sridhar, Moorthy Prabhakaran, Abdul Rahim Ahamed Ibrahim and Chokkalingam Lakshumanan	59-70
7.	Data Mining and Machine Learning for Predicting and Managing Flooding Disasters in Coastal and Riverine Areas - Tamilselvan K., Jena Suvendu Kumar, Prabu S., Leopauline S., Deepika J. and Srinivasan J M.E.	71-79
8.	Groundwater potentiality mapping using ensemble machine learning algorithms for sustainable groundwater; case of Ouled Bousbaa area (Morocco) - Hanane Toudamrini, Ahmed Algouti, Abdellah Algouti and Akram Elghouat	80-90

Review Papers:

9.	Hydrological Challenges and Water Management Strategies in the Uttarakhand Himalayas - Kumar Nitish	91-98
10.	Quantum Computing Applications for Geophysical Modeling of Earthquakes and Volcano Eruptions - Umaeswari P., Thenmozhi M., Vinod Kumar P., Santhosh K.N.S.K., Srinivasan J. and Selvam Ponnurugan Panneer	99-104

❖ **EDITORIAL BOARD: P III** ❖