

Contents

A Description of Seismicity Based on Non-extensive Statistical Physics: A Review	1
Filippos Vallianatos, Georgios Michas and Giorgos Papadakis	
Recognition of periAdriatic Seismic Zones Most Prone to Next Major Earthquakes: Insights from a Deterministic Approach	43
Enzo Mantovani, Marcello Viti, Daniele Babbucci, Caterina Tamburelli, Nicola Cenni, Massimo Baglione and Vittorio D’Intinosante	
Forecasting Moderate Earthquakes in Northern Algeria and Morocco	81
José A. Peláez, Mohamed Hamdache, Carlos Sanz de Galdeano, Rashad Sawires and M ^a Teresa García Hernández	
An Earthquake Catalogue (2200 B.C. to 2013) for Seismotectonic and Seismic Hazard Assessment Studies in Egypt	97
Rashad Sawires, José A. Peláez, Raafat E. Fat-Helbary and Hamza A. Ibrahim	
Probabilistic Seismic Hazard Assessment for Romania	137
Radu Vacareanu, Alexandru Aldea, Dan Lungu, Florin Pavel, Cristian Neagu, Cristian Arion, Sorin Demetriu and Mihail Iancovici	
Practicality of Monitoring Crustal Deformation Processes in Subduction Zones by Seafloor and Inland Networks of Seismological Observations	171
Keisuke Ariyoshi and Yoshiyuki Kaneda	

Neo-deterministic Definition of Seismic and Tsunami Hazard Scenarios for the Territory of Gujarat (India).	193
A. Magrin, I.A. Parvez, F. Vaccari, A. Peresan, B.K. Rastogi, S. Cozzini, D. Bisignano, F. Romanelli, Ashish, P. Choudhury, K.S. Roy, R.R. Mir and G.F. Panza	
Geophysical Characterization of Liquefied Terrains Using the Electrical Resistivity and Induced Polarization Methods: The Case of the Emilia Earthquake 2012	213
Nasser Abu Zeid	
Working Strategies for Addressing Microzoning Studies in Urban Areas: Lessons from the 2009 L'Aquila Earthquake	233
Giovanna Vessia, Mario Luigi Rainone and Patrizio Signanini	
Earthquake-Induced Reactivation of Landslides: Recent Advances and Future Perspectives.	291
Salvatore Martino	
Resilience, Vulnerability and Prevention Policies of Territorial Systems in Areas at High Seismic Risk	323
A. Teramo, C. Rafanelli, M. Poscolieri, F. Lo Castro, S. Iarossi, D. Termini, M. De Luca, A. Marino and F. Ruggiano	
Numerical Study of the Seismic Response of a Mid-Rise RC Building Damaged by 2009 Tucacas Earthquake.	345
Juan Carlos Vielma, Angely Barrios and Anny Alfaro	
Analysis of Seismic Vulnerability of Rural Houses in China	363
Jue Ji, Zening Xu and Xiaolu Gao	
Finite Element Modelling for Seismic Assessment of Historic Masonry Buildings	377
Michele Betti, Luciano Galano and Andrea Vignoli	
Earthquake-Resistant and Thermo-Insulating Infill Panel with Recycled-Plastic Joints	417
Marco Vailati and Giorgio Monti	
Base Isolation and Translation of a Strategic Building Under a Preservation Order.	433
Giorgio Monti, Marco Vailati and Roberto Marnetto	
Lessons from the Wenchuan Earthquake	449
Yunsheng Wang, Shuihe Cao and Xin Zhang	
Lessons Learned from the Recent Earthquakes in Iran	459
Mohammad Ashtari Jafari	

The Impact of the Great 1950 Assam Earthquake on the Frontal Regions of the Northeast Himalaya.	475
R.K. Mrinalinee Devi and Pabon K. Bora	
Archaeoseismology in Sicily: Past Earthquakes and Effects on Ancient Society.	491
Carla Bottari	
The Earthquakes of Southern Italy from the 18th to the 20th Centuries	505
Andrea Catalani	
Earthquake and People: The Maltese Experience of the 1908 Messina Earthquake	533
Ruben Paul Borg, Sebastiano D'Amico and Pauline Galea	
A Web Application Prototype for the Multiscale Modelling of Seismic Input	563
Franco Vaccari	
Rapid Response to the Earthquake Emergencies in Italy: Temporary Seismic Networks Coordinated Deployments in the Last Five Years.	585
Milena Moretti, Lucia Margheriti and Aladino Govoni	
The Key Role of Eyewitnesses in Rapid Impact Assessment of Global Earthquakes.	601
Rémy Bossu, Robert Steed, Gilles Mazet-Roux, Frédéric Roussel, Caroline Etivant, Laurent Frobert and Stéphanie Godey	
Real-Time Mapping of Earthquake Perception Areas in the Italian Region from Twitter Streams Analysis	619
Luca D'Auria and Vincenzo Convertito	
The Easter Sunday 2011 Earthquake Swarm Offshore Malta: Analysis on Felt Reports	631
Matthew R. Agius, Sebastiano D'Amico and Pauline Galea	
Earthquake Readiness and Recovery: An Asia-Pacific Perspective	647
Douglas Paton and Li-ju Jang	
Geoethics, Neogeography and Risk Perception: Myth, Natural and Human Factors in Archaic and Postmodern Society	665
Francesco De Pascale, Marcello Bernardo, Francesco Muto, Alessandro Ruffolo and Valeria Dattilo	

Psychosocial Support to People Affected by the September 5, 2012, Costa Rica Earthquake	693
Mario Fernandez, Lorena Saenz, Marco Carranza, Cristina Matamoros, Oscar Duran, Marlen Brenes, Andrea Alfaro, Carolina Solis, Stephanie Macluf, Auria Zarate, Diana Montealegre, Laura Hernandez, Vanessa angulo, Daniel Chavarria, Diseiry Fernandez, Evelyn Rivera, Leonardo Umaña, Maria Fernanda Meneses, Patricia Zamora, Harold Suarez, Augusto Benavides and Edward Ruiz	
The Lisbon Earthquake in the French Literature	703
Rosarianna Zumbo and Maria S. Casella	

Earthquakes and Their Impact on Society

D'Amico, S. (Ed.)

2016, XXIV, 706 p., Hardcover

ISBN: 978-3-319-21752-9