

LISTA PUBLICAȚIILOR REZULTATE ÎN URMA CERCETĂRII DOCTORALE, PUBLICATE SAU ACCEPTATE SPRE PUBLICARE, SUB AFILIERE UPT

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1. Lucrări științifice publicate în reviste indexate Web of Science-WoS (ISI)

1. Mosoarca, M., Onescu, I., Onescu, E., Azap, B., Chieffo, N., Szitar-Sirbu, M. Seismic vulnerability assessment for the historical areas of the Timisoara city, Romania. *Engineering Failure Analysis*. Vol. 101 Pages: 86-112, , Vol. 101, pp. 86-112, 2019 (WOS: 000464960500007; Impact factor 2.897).
2. Chieffo, N., Formisano, A. Induced Seismic-Site Effects on the Vulnerability Assessment of a Historical Centre in the Molise Region of Italy: Analysis Method and Real Behaviour Calibration Based on 2002 Earthquake. *Geosciences* 2020, 10(1), 21 (WOS:000513130700008).
3. Chieffo, N., Formisano, A., Ferreira, T.M. Damage scenario-based approach and retrofitting strategies for seismic risk mitigation: an application to the historical Centre of Sant'Antimo (Italy). *European Journal of Environmental and Civil Engineering*, 2019 (WOS:000465698000001; Impact factor 2.51).
4. Chieffo, N., Formisano, A. Geo-hazard-based approach for the estimation of seismic vulnerability and damage scenarios of the old city of Senerchia (Avellino, Italy). *Geosciences*, 9(2), 59, 2019 (WOS:000460761900004).
5. Chieffo, N., Formisano, A. The influence of geo-hazard effects on the physical vulnerability assessment of the built heritage: An application in a district of Naples. *Buildings*, 9(1), 26, 2019 (WOS:000457159600002).
6. Chieffo, N., Clementi, F., Formisano, A., Lenci, S. Comparative fragility methods for seismic assessment of masonry buildings located in Muccia (Italy). *Journal of Building Engineering*, Vol. 25, 2019, 100813 (WOS:000477702200045; Impact factor 5.318).

2. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate Web of Science-WoS (ISI) Proceedings

1. Apostol, I., Mosoarca, M., Chieffo, N., Keller, A., Bocan, D., Bocan, C.; Bradeanu, R. Solutions for improving seismic vulnerability of historic masonry buildings. *Proceedings of 17th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium*, Oradea, Romania, pp 131-136, 2019 (WOS:000491484600023).
2. Azap, B., Apostol, I., Mosoarca, M., Chieffo, N., Formisano, A. Seismic vulnerability scenarios for historical areas of Timisoara. *Proceedings of 17th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium*, Oradea, Romania, pp 149-154, 2019 (WOS:000491484600026).
3. Keller, A., Mosoarca, M., Chieffo, N., Formisano, A. Resilience of historic cities and adaptation to climate change. *Urbanism, Arhitectură, Construcții*, 1, pp.15-26, 2017 (WOS:000388684600002).
4. Formisano, A., Chieffo, N., Fabbrocino, F., Landolfo, R. Seismic vulnerability and damage of Italian historical centres: A case study in the Campania Region. *AIP Conference Proceedings*, Vol. 1863, 2017 (WOS:000410159800433).
5. Chieffo, N., Mosoarca, M., Formisano, A., Apostol, I. Seismic vulnerability assessment and loss estimation of an urban district of Timisoara, in *IOP Conference Series: Materials Science and Engineering*, Vol. 471, Session 9, 2019 (WOS:000465811805085).
6. Formisano, A., Chieffo, N., Mosoarca, M. Probabilistic earthquake scenarios of a historical area in the town of Amatrice. *AIP Conference Proceedings*, 2293, art. no. 240006, 2019, (WOS:000636709500012).
7. Formisano, A., Fabbrocino, F., Chieffo, N. Parametric analysis on first mode failure mechanisms of masonry building compounds: application to case studies, *Proceedings of 14th International Forum of Studies World Heritage and Degradation: Smart Design, Planning and Technologies*, pp. 412-419, Naples, ITALY, 2016 (WOS:000392751900047)
8. Formisano, A., Fabbrocino, F., Chieffo, N. Seismic investigation on a masonry building compound in the historical centre of Bacoli (Naples), *Proceedings of 14th International Forum of Studies World Heritage and Degradation: Smart Design, Planning and Technologies*, pp. 412-419, Naples, ITALY, 2016, (WOS:000392751900048)

- Formisano, A., Chieffo, N., Milo, B., Fabbrocino, F. The influence of Local Mechanisms on Large Scale Seismic Vulnerability Estimation of Masonry Building Aggregates, Proceedings of the International Conference of Computational Methods in Sciences and Engineering 2016 (ICCMSE 2016), Vol. 1790, n. 130010, Athens, GREECE, (WOS:000389449900091)

3. Lucrări științifice publicate în reviste de specialitate indexate BDI (cu specificarea BDI)

- Formisano, A., Chieffo, N., Clementi, F., Mosoarca, M. Influence of local site effects on the typological fragility curves for class-oriented masonry buildings in aggregate condition. Open Civil Engineering Journal, 2021, 15(Specialissue1), pp. 149–164 (Scopus).
- Chieffo, N., Onescu, I., Formisano, A., Mosoarca, M., Palade, M. Integrated empirical-mechanical seismic vulnerability analysis method for masonry buildings in Timișoara: Validation based on the 2009 Italian Earthquake. Open Civil Engineering Journal, 2020, 14(1), pp. 314–333 (Scopus).
- Chieffo, N., Formisano, A. Comparative Seismic Assessment Methods for Masonry Building Aggregates: A Case Study. Frontiers in Built Environment, 2019, 5, 123 (Scopus).
- Apostol, I., Mosoarca, M., Chieffo, N., Onescu, E. Seismic Vulnerability Scenarios for Timisoara, Romania. RILEM Bookseries, 2019, 18, pp. 1191-1200, ISBN: 978-3-319-99440-6 (Scopus).
- Formisano, A., Chieffo, N., Mosoarca, M. Seismic vulnerability and damage speedy estimation of an urban sector within the municipality of San Potito Sannitico (Caserta, Italy). Open Civil Engineering Journal, 2017, 11, pp. 1106-1121 (Scopus).

4. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate BDI (cu specificarea BDI)

- Chieffo, N., Formisano, A., Mosoarca, M., Lourenço, P.B. Seismic vulnerability assessment of a romanian historical masonry building under near-source earthquake. Proceedings of the International Conference on Structural Dynamic , EURODDYN, 2, pp. 4957-4971, 2020 (Scopus).

5. Lucrări științifice publicate în volumele unor manifestări științifice internaționale (Proceedings) din străinătate

- Chieffo, N., Apostol, I., Keller A., Mosoarca, M., Marzo, A. Global behavior of historical masonry structures and timber roof framework. Prohitech 2017, Lisabona, Portugalia.
- Formisano, A., Chieffo, N., Mosoarca, M. Probabilistic damage scenario: a case study in Amatrice affected by the 2016 seismic sequence. Prohitech 2017, Lisabona, Portugalia;
- Formisano, A., Chieffo, N., Mosoarca, M. Urban resilience of built-up area in the Municipality of Marigliano (Naples, Italy). Prohitech 2017, Lisabona, Portugalia;
- Formisano, A., Chieffo, N., Mosoarca, M. Seismic vulnerability and damage of historical centre in the district of Caserta (Italy). Prohitech 2017, Lisabona, Portugalia;

6. Lucrări științifice publicate în volumele unor manifestări științifice

- Chieffo N., Formisano A., Mosoarca M., The impact of local hazard effects on the vulnerability assessment of an urban area in Timisoara Vol. 2, Journal of Architecture Urbanism and Heritage, 2018, ISSN: 1224-6024

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