

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

**Ș.I. Dr. Arh. Iasmina ONESCU (APOSTOL)**

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

1. M. Mosoarca, I. Onescu, B. Azap, E. Onescu, N. Chieffo, M. Szitar-Sirbu, „Seismic vulnerability assessment for the historical areas of the Timisoara city, Romania”, *Engineering Failure Analysis*, Vol. 101, pp. 86-112, 2019 (WOS: 000464960500007, Impact factor 2.897)
2. M. Mosoarca, I. Onescu, E. Onescu, A. Anastasiadis, “Seismic vulnerability assessment methodology for historic masonry buildings in the near-field areas”, *Engineering Failure Analysis*, Vol. 115, paper ID 104662, septembrie 2020, (WOS:000554871700007, Impact factor 2.897)

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

1. I. Apostol, M. Mosoarca, V. Stoian, “Modern Consolidation Solutions for Buildings with Historical Value. Part I: Reinforced Concrete Structures”, in Proceedings of 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, Oradea, Romania, pp 111-116, 2017 (WOS: 000413420300019)
2. M. Mosoarca, I. Apostol, V. Stoian, “Modern Consolidation Solutions for Buildings with Historical Value. Part II: Masonry Structures”, in Proceedings of 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, Oradea, Romania, pp 209-214, 2017 (WOS:000413420300037)
3. B. Azap, I. Apostol, M. Mosoarca, N. Chieffo, A. Formisano., 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, 2018 (WOS:000491484600026)
4. I. Apostol, M. Mosoarca, N. Chieffo, A. Keller, D. Bocan, C. Bocan, R. Bradeanu, “Solutions for improving seismic vulnerability of historic masonry buildings”, in Proceedings of 17th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, Oradea, Romania, pp 131-136, 2018 (WOS:000491484600023)
5. D. Bocan, A. Keller, I. Apostol, M. Mosoarca, R. Bradeanu, “The impact of insulating plaster on the energy performance of historical buildings”, in Proceedings of 17th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, Oradea, Romania, pp 179-184, 2018 (WOS:000491484600031)
6. N. Chieffo, M. Mosoarca, A. Formisano, I. Apostol, “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)
7. I. Onescu, M. Mosoarca, B. Azap, E. Onescu, “Seismic losses scenario for cultural promenade in Timisoara Capital of Culture 2021, Romania”, in IOP Conference Series: Materials Science and Engineering, Vol. 471, Session 9, 2019 (WOS:000465811805056)
8. D. Bocan, A. Keller, C. Bocan, I. Apostol, M. Mosoarca, “Potential results of using thermal rehabilitation techniques on a city block of Timisoara and their structural strengthening opportunities”, in IOP Conference Series: Materials Science and Engineering, Vol. 471, Session 9, 2019 (WOS:000465811802088)
9. E. Onescu, I. Onescu, M. Mosoarca, “The impact of timber roof framework over historical masonry structures”, in IOP Conference Series: Materials Science and Engineering, Vol. 603, Issue 4, 2019 (WOS:000562099102044)
10. I. Onescu, E. Onescu, M. Mosoarca, “The impact of the cultural value to the seismic vulnerability of a historical building”, in IOP Conference Series: Materials Science and Engineering, Vol. 603, Issue 4, 2019 (WOS:000562099102045)
11. E. Onescu, I. Onescu, M. Mosoarca, A. Ion, “ Seismic vulnerability assessment of historical group of buildings in Timisoara city”, in *Proceedings of 18th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, Oradea, Romania, 2019* (WOS:000617030100042)

12. I. Onescu, E. Onescu, M. Mosoarca, "Multi-criterial vulnerability assessment for Timisoara city, Romania", in *Proceedings of the 4<sup>th</sup> International Conference on Structure and Architecture*, Pages 923-930, Lisabona, Portugalia, 2019 (WOS:000670758600110)

13. E. Onescu, I. Onescu, M. Mosoarca, A. Ion, „Case study of the seismic vulnerability of a historical building in Timisoara, Romania”, in *Proceedings of the WMCAUS*, Praga, Republica Cehă, 2022 (în curs de evaluare)

### **3. Lucrări științifice publicate în reviste de specialitate indexate Scopus/BDI (cu specificarea BDI)**

1. A-M. Narița, V. Gurza, R. Oprea, A. Keller, I. Apostol, , M. Mosoarca, C. Bocan, "New vulnerabilities of historic urban centers and archeological sites. Extreme Loads.", *An International Journal for Engineering and Informational Sciences*, Pollack Periodica, pp 15-26., 2016, ISSN 1788-1994, DOI: 10.1556/606.2016.11.3.3 (Scopus)

2. I. Apostol, M. Mosoarca, N. Chieffo, E. Onescu, "Seismic vulnerability scenarios for Timisoara, Romania", *Structural Analysis of Historical Constructions*, ed. Springer, RILEM Bookseries, vol. 18, pp. 1191-1200, 2019, ISBN: 978-3-319-99440-6 (Scopus)

3. N. Chieffo, I. Onescu, A. Formisano, M. Mosoarca, M. Palade, "Integrated empirical-mechanical seismic vulnerability analysis method for masonry buildings in Timisoara: Validation based on the 2009 Italian earthquake, in *Open Civil Engineering Journal*, Volume 14, Issue 1, Pages 314-333, 2020 (Scopus)

4. M. Mosoarca, I. Onescu, A. Keller, Simplified vulnerability assessment methodology for historic structures in Banat seismic area, in *Transsylvania Nostra*, ISBN 1842-5631, 2021

### **4. Studii in extenso apărute în volume colective publicate la edituri de prestigiu internațional**

1. I. Apostol, R. Bradeanu, M. Mosoarca, "Case study of consolidation methods with fiber-based composite materials in Romania", in *Proceedings of International Conference on Mechanics of Masonry Structures Strengthened with Composites Materials*, Key Engineering Materials, Volume 747 KEM, Pages 414-419, Bologna, Italy, 2017 (Scopus)

2. M. Mosoarca, I. Apostol, A. Keller, A. Formisano, "Consolidation methods of Romanian historical building with composite materials", in *Proceedings of International Conference on Mechanics of Masonry Structures Strengthened with Composites Materials*, Key Engineering Materials, Volume 747 KEM, Pages 406-413, Bologna, Italy, 2017 (Scopus)

### **5. Lucrări științifice publicate în volumele altor manifestări științifice internaționale (Proceedings) din străinătate**

1. I. Apostol, A. Keller, M. Mosoarca, "Climate Change Risk Assessment Methodology for Historic Urban Centers", *International Journal of Sustainable Agricultural Management and Informatics*, 2016, ISSN print: 2054-5819

2. N. Chieffo, I. Apostol, A. Keller, M. Mosoarca, A. Marzo, "Global behavior of historical masonry structures and timber roof framework", in *Proceedings of the 3rd International Conference on protection of historical constructions*, Lisabona, Portugalia, 2017

3. I. Apostol, M. Mosoarca, E. Onescu, "Seismic vulnerability assessment for historical building as isolate/in aggregate for Timisoara city, Romania", *Journal of Architecture, Urbanism and Heritage*, Vol. 2, Politehnica Publishing House, 2018, ISSN: 1224-6024

4. M. Fofiu, M. Mosoarca, I. Onescu, M. Palade, G. Olariu, T. Popovici, Case Study of Consolidation, rehabilitation and restoration of the „Sf. Filimon” monastery, in *Journal of Architecture, Urbanism and Heritage*, Politehnica Publishing House, 2021, ISSN: 2668-2249

5. E. Onescu, I. Onescu, M. Mosoarca, Optimization of empirical seismic vulnerability assessment for masonry buildings following nonlinear analysis, in *Proceedings of the 8<sup>th</sup> International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, 2021

6. I. Onescu, M. Mosoarca, E. Onescu, Seismic vulnerability assessment methodology for historical buildings, in *Proceedings of the 12<sup>th</sup> International Conference on Structural Analysis of Historical Construction SAHC*, 2021

7. I. Onescu, E. Onescu, M. Mosoarca, Seismic risk analysis for historic areas. Case study: Fabric district, Timisoara European Capital of Culture 2022, in *Proceedings of 3<sup>rd</sup> European Conference on Earthquake & Seismology*, 2022 (acceptat, in curs de publicare)

Data:30.03.2022

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