

ANEXA CURRICULUM VITAE

A. AFILIERI

A.1 Asociații profesionale

- Secretar în Asociația Inginerilor Constructori Proiectanți de Structuri. (A.I.C.P.S.) filiala Timisoara, din 2017
- Membru ISCARSAH (International Scientific Committee on the Analysis and Restoration of Structures of Architectural Heritage) din anul 2017
- Membru în Asociația Inginerilor Constructori Proiectanți de Structuri. (A.I.C.P.S.), din 1998;
- Membru în Asociația Generală a Inginerilor din România (A.G.I.R.) din 1996;
- Membru în Societatea Bănățeană de Inginerie Seismică (S.B.I.S.) din anul 2002;
- Membru în Asociația Națională a Evaluatorilor din România (A.N.E.V.A.R.) din 2004;
- Specialist atestat la Ministerul Culturii, din anul 2009;

A.2 Comisii tehnice

- Membru în Comisia Tehnică din Mitropolia Banatului, Timisoara din anul 2010;
- Membru în Grupul de suport tehnic al Institutiei Prefectului jud. Timis pentru situații de urgență în caz de seism din anul 2010-2012;
- Membru în Comisia Tehnică Primăria Municipiului Timisoara 2006-2012;

A.3 Comitete științifice internaționale

- **PROHITECH '14**, “2nd International conference on protection of historical constructions” 2-7 May 2014, Antalya, Turcia, 2014;
- **VANEQS 2013**, “International Van earthquake symposium”, 23-27 October, Van, Turcia, 2013;
- **RIMA'10**, “International Conference in Risk Mngement, Asseessment and Mitigation”, WSEAS, Bucuresti, 2010;
- **RICH 2014**, “2nd International Conference RICH 2014 - Robotics: Innovation for Cultural Heritage”, Roma, Italia, 2014;
- **SHATIS'15**, 3rd International Conference on Structural Health Assessment of Timber Structures, September 9-11, Wroclaw, Polonia, 2015.
- **MuRiCO5**, International Conference “Mechanics of Masonry Structures, strengthened with composite materials - Modeling, testing, design, monitoring, control, 28-30 Iunie, Bolonia, Italia, 2017.
- **SHATIS'17**, 4th International Conference on Structural health assessment of timber structures, 20-22 Septembrie 2017, Istanbul, Turcia.
- **PROHITECH'17**, 3rd International Conference on Protection of Historical Constructions 12 - 15 Iulie 2017, Lisabona, Portugalia.
- **SEWC 2019**, Structural Engineers World Congress; Istanbul, Turcia, 24-26 aprilie 2019.
- **SHATIS'19**, International Conference on Structural Health Assessment of Timber Structures, 25-27 septembrie 2019, Guimarães, Portugalia

A.4 Comitete editoriale ale unor reviste naționale / internaționale

1. Recenzor articol pentru **Bulletin of Earthquake Engineering** (impact factor 1,368 in 2013) Ed. Springer, martie, 2014;

2. Recenzor articol pentru **Structural Concrete** (impact factor 0,857 in 2013) Ed. Ernst&Sohn Wiley Brand, iunie 2013;
3. Recenzor articol pentru **Journal of Engineering Failure Analysis**(impact factor 1,130 in 2013), Ed. Elsevier, 2012;
4. Recenzor articol pentru **Journal Scientific Research and Essays** (impact factor 0,32), 2013;
5. Recenzor articol pentru revista: **Thin Walled Structures** (impact factor 1.432 in 2013), Ed. Elsevier, septembrie 2013;
6. Recenzor articol pentru revista **Engineering Structure** (impact factor 1.767 in 2013), Ed. Elsevier, decembrie 2013;
7. Recenzor oficial pentru **World Scientific and Engineering Academy and Society**, Februarie 2012;
8. Recenzor articol pentru revista : **International Journal of Architectural Heritage**, (impact factor 0,375 in 2012), iunie 2014;
9. Recenzor articol pentru **European Journal of Environmental and Civil Engineering**, (2013 Impact Factor: 0.437), iunie 2014.
10. Recenzor articol pentru **Materials and Design**, (2013 Impact Factor: 3.171, Ed. Elsevier, februarie 2015.
11. Recenzor articol pentru **Journal of Cultural Heritage**, (2013 Impact Factor: 1.111), Ed. Elsevier, februarie 2015.
12. Recenzor articol pentru revista **Earthquake Engineering and Engineering Vibration**, (2015 Impact Factor: 0.729, Ed. Springer, octombrie 2015.
13. Recenzor articol pentru revista **International Journal of Concrete Structures and Materials**, (2014 Impact Factor: 1.019), Ed. Springer, noiembrie 2015.
14. Recenzor articol pentru revista **Journal of Natural Hazards** (Impact factor 1.719), Ed. Springer, aprilie 2016.
15. Recenzor articol pentru revista **International Journal of Concrete Structures and Materials**, (2014 Impact Factor: 1.019), Ed. Springer, mai 2016.
16. Recenzor articol pentru revista **Cogent Engineering**, mai 2016.
17. Recenzor articol pentru revista **Engineering Failure Analysis**, Ed. Elsevier, ianuarie 2017.
18. Recenzor articole pentru conferinta **International Conference on Mechanics of Masonry Structures Strengthened with Composite Materials (MURICO 5)**, martie 2017.
19. Recenzor articol pentru revista **Materials and Design**, 2015
20. Recenzor articol pentru revista **Journal of Cultural Heritage**, 2015
21. Recenzor articol pentru revista **Earthquake Engineering and Engineering Vibration**, 2015
22. Recenzor articol pentru revista **International Journal of Concrete Structures and Materials**, 2015
23. Recenzor articol pentru revista **Cogent Engineering**, 2016
24. Recenzor articol pentru revista **Journal of Engineering Failure Analysis**, Editura Elsevier, 2017
25. Recenzor articol pentru revista **Journal of Architectural Heritage**, Ed. Taylor and Francis, 2017
26. Recenzor articol pentru conferinta PROHITECH'17, **3rd International Conference on Protection of Historical Constructions 12 - 15 Iulie 2017, Lisabona, Portugalia**
27. Recenzor articol pentru conferinta SHATIS'17, **4th International Conference on Structural health assessment of timber structures**, 20-22 Septembrie 2017, Istanbul, Turcia
28. Recenzor articol pentru revista **Journal of Engineering Failure Analysis**, Editura Elsevier, 2018
29. Recenzor articol pentru revista **Geosciences**, 2018
30. Recenzor articol pentru revista **Journal of Architectural Heritage**, Ed. Taylor and Francis 2018
31. Recenzor articol pentru conferinta **International Conference on Structural Health Assessment of Timber Structures**, 25-27 septembrie 2019, Guimarães, Portugalia
32. Recenzor articol pentru conferinta **SEWC 2019, Structural Engineers World Congress; Istanbul, Turcia, 24-26 aprilie 2019.**
33. Recenzor articole pentru revista **Journal of Engineering Failure Analysis**, Editura Elsevier, 2019
34. Recenzor articol pentru revista **Journal of Architectural Heritage**, Ed. Taylor and Francis 17.05.2019
35. Recenzor articol pentru revista **Journal of Architectural Heritage**, Ed. Taylor and Francis 03.08.2019
36. Recenzor articol pentru revista **Structures and Buildings**, ICE Publishing, 2019
37. Recenzor articole pentru revista **Structures**, Editura Elsevier, 28.10.2019
38. Recenzor articole pentru revista **Journal of Engineering Failure Analysis**, Editura Elsevier, 04.11.2019

B. GRANTURI, PROGRAME

C.1 Granturi internationale

1. PROHITECH-WP 9 Development of Calculation Models, Prohitech – Earthquake Protection of Historical Buildings by Reversible Mixed Technologies – membru in echipa de cercetare;
2. CAMUS III INTERNATIONAL BENCHMARK, TMR-ECOEST2 and ICONS Post-FramCoS-4 Workshop “ Seismic loading effect on structural walls” American Concrete Institut ACI, 2001 – membru in echipa de cercetare;
3. INSYSME – „Inovative systems for earthquake resistant masonry enclosures in RC buildings”, Grant nr.: 606229, FP7-SME-2013, - director coordonator contract de cercetare pentru Roania, 2013-2016;
4. FP COST Action FP1101, “Assessment, Reinforcement and Monitoring of Timber Structures in theManagement Committee Member”- director coordonator contract pentru Romania, 2014.

B.2 Granturi nationale

1. Contract de cercetare CNCSIS-GRANT TIP A Contract 33501/2002 - Tema 48, Cod CNCSIS 117 “Noi metode in proiectarea elementelor structurale din beton-armat” Beneficiar- Ministerul Educatiei, Cercetarii si Tineretului, Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, cercetare in cadrul Universitatea “Politehnica” Timisoara, Facultatea de Constructii si Arhitectura, Departamentul C.C.I.A., Ianuarie 2004;
2. Contract de cercetare CNCSIS-GRANT TIP A Contract 33550/2003-Tema 30-COD CNCSIS 31 – “Noi metode in proiectarea elementelor structurale din beton-armat.Cercetari experimentale.” Beneficiar- Ministerul Educatiei, Cercetarii si Tineretului, Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, cercetare in cadrul Universitatea “Politehnica” Timisoara, Facultatea de Constructii si Arhitectura, Departamentul C.C.I.A., Ianuarie 2004;
3. Contracte de cercetare CNCSIS-GRANT TIP A Contract 40535/2003 - Tema 4, Cod CNCSIS 489 :“Metode alternative de proiectare a elementelor structurale din beton armat. Cercetari teoretice. Raport final de cercetare” Beneficiar- Ministerul Educatiei, Cercetarii si Tineretului, Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, cercetare in cadrul Universitatea “Politehnica” Timisoara, Facultatea de Constructii si Arhitectura, Departamentul C.C.I.A., Martie 2005;
4. Contract 32940/2004-Tema 4-COD CNCSIS 489– “Raport final de cercetare” Beneficiar-Ministerul Educatiei, Cercetarii si Tineretului, Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, cercetare in cadrul Universitatea “Politehnica” Timisoara, Facultatea de Constructii si Arhitectura, Departamentul C.C.I.A., Martie 2005;
5. Contract nr. 658/11.06.2001 ANSTI 1A25/2001 – Contract “Protectia antiseismica a structurilor de constructii – Metode moderne pentru marirea ductilitatii structurilor metalice”, faza A25.1 – Metode practice de verificare a ductilitatii structurilor metalice in zone cu seisme de suprafat. Beneficiar: INCERC Timisoara, 2001;
6. Contract nr. BC 92/13.09.2011, no.4423, „Expertiza tehnica, proiect de instalatii, consultanta de proiectare pentru structura istorica si vulnerabilitatea cladirii Palatul Administrativ Ciacova, Piata Cetatii nr.2, Judetul Timis, Romania”, contract intre Universitatea Politehnica Timisoara, si Primaria Orasului Ciacova, Judetul Timis, Romania.

B.3 Alte programe

1. L’ Ecole Normale Superieure de Paris - Lucrare de Licență - Program Tempus 1994;
2. Cursant "SEISMIC RESISTANT STEEL STRUCTURES: PROGRESS AND CHALLENGE" curs CISM Udine, Italia, 1999;
3. Lector si asistent cursuri de vara in domeniul restaurărilor cladirilor istorice sub egida UNESCO VENETIA, organizate de Departamentul de Arhitectură Timisoara in anii: 2001, 2002, 2003, 2004;
4. Organizator workshop: Patrimoniul, „ascuns” II. Evidentierea valorilor de patrimoniu ale sarpantelor istorice - Proiectul cultural este finantat de Administratia Fondului Cultural National;
5. Organizator Workshop international in colaborare cu Universita degli Studi di Padova, Italia: “Seismic Vulnerability of Historical Centers”, Timisoara, 14-15 Iulie 2014.

C. PUBLICATII

C.1 Carti de specialitate la edituri din strainatate

1. **Mosoarca Marius**, Ancuta Rotaru, -Editor asociat ISI Proceedings: “Advances in Enviromental and Geological Science and Engineering”, 3rd International Conference, EG’10,Constanta, Publicat de WSEAS Press, ISSN:1792-4685; ISBN: 978-960-474-221-93-5, Septembrie, 2010;
2. **Mosoarca Marius**, Victor Gioncu, FP6 PROHITECH project: “Volum 5: Chapter 4.2: Overview of collapse modes and evaluation of bearing capacity in Volume: Earthquake protection of historical buildings by reversible mixed technologies - Seismic protection of historical buildings: calculation models, pp.245-277, F. M. Mazzolani - General coordinator; Ed. Polimetrica International Scientific, ISBN: 978-88-7699-169-6, 2012;
3. **Mosoarca Marius**, FP6 PROHITECH project: “Volum 1: Intervention strategies for the seismic protection of historical building heritage in the Mediterranean basin” – Ed. Polimetrica, ISBN: 978-88-7699-169-1, 2012;
4. Nagy-Gyorgy Tamas, Stoian Valeriu, **Mosoarca Marius**, Pavlou Dimitrios, Dan Daniel, Experimental study on reinforced concrete shear walls retrofitted with CFRP composites, Computational & Experimental Analysis of Damaged Materials, Kerala, India, ISBN: 86-7892-016-5, pp.155-167, 2007

C.2 Carti de specialitate la edituri din Romania

1. **Mosoarca Marius**, Valeriu Stoian, “Contributii la calculul si alcatuirea peretilor structurali din beton armat”, Editura Politehnica Timisoara, 2013, ISBN: 978-606-554-648-6;
2. **Mosoarca Marius** “Profile of a civil engineer.Victor Gioncu at seventy”, 387 pagini, Editura Orizonturi Universitare, Timisoara, 2004, ISBN: 973-638-118-8;
3. “Victor Gioncu – The Generous Maestro”, 128 pagini, Editura Orizonturi Universitare, Timisoara, 2014, ISBN: 978-973-638-561-2

C.3 Cursuri in format electronic (Facultatea de Arhitectura si Urbanism Timisoara)

1. **Mosoarca Marius** “ Proiectarea cladirilor cu pereti structurali din beton armat”, Editura Mirton, ISBN: 978-973-52-0589-8, Timisoara, 2009;
2. **Mosoarca Marius**, V. Gioncu, “ Arhitectura antiseismica”, curs an. V, sem.2, U.P. Timisoara, 2010;
3. **Mosoarca Marius**, V. Gioncu, A. Anastasiadis, “ Estetica structurilor”, curs an VI, sem.1. U.P.Timisoara, 2014;

C.4 Articole in reviste cotate ISI

1. **Marius Mosoarca**, Victor Gioncu, „Failure mechanisms for historical religious buildings in Romanian seismic areas”, Journal of Cultural Heritage, Volume: 14, Issue: 3, pp: E65-E72, Supplement: S, DOI: 10.1016/j.culher.2012.11.018, WOS:000327013800011, ISSN: 1296-2074, eISSN: 1778-3674, Ed. Elsevier, iunie 2013;
2. **Marius Mosoarca**, Victor Gioncu, „Historical wooden churches from Banat region, Romania. Damages. Modern consolidation solutions”, Journal of Cultural Heritage, Volum: 14, Issue: 3, pp: E45-E59, Supplement: S, DOI: 10.1016/j.culher.2012.11.020, WOS:000327013800009, ISSN: 1296-2074, eISSN: 1778-3674, Ed. Elsevier, iunie 2013;
3. **Marius Mosoarca**, Victor Gioncu, „Structural safety of historical buildings made of reinforced concrete, from Banat region - Romania”, Journal of Cultural Heritage, Volum: 14, Issue: 3, pp: E29-E34, Supplement: S, DOI: 10.1016/j.culher.2012.11.015, WOS:000327013800006, ISSN: 1296-2074, eISSN: 1778-3674, Ed.Elsevier, iunie 2013.
4. Kampouris, A, Anastasiadis Anthimos, **Marius Mosoarca** , „Environmental impact assessment and evaluation of road construction works in forest ecosystems”, Journal of environmental protection and ecology, Volum: 14 Issue: 2 pp: 753-760, WOS:000321796500041, ISSN: 1311-5065, IDS Number: 183EG, 2013;
5. Victor Gioncu, **Marius Mosoarca**, Anthimos Anastasiadis, „Prediction of available rotation capacity and ductility of wide-flange beams: Part 1:DUCTROT-M computer program”, Journal of Constructional Steel Research 69, Volum: 69, Issue: 1, pp: 8-19, DOI: 10.1016/j.jcsr.2011.06.014, WOS:000297894100002, ISSN: 0143-974X, Ed. Elsevier, 2012;
6. Anthimos Anastasiadis, **Marius Mosoarca**, Victor Gioncu, „Prediction of available rotation capacity and ductility of wide-flange beams: Part 2: Applications”, Journal of Constructional Steel Research 69, pp. 176-191, doi: 10.1016/j.jcsr.2011.08.007, ISSN: 0143-974X, Ed. Elsevier, 2012;
7. **Mosoarca Marius**, “Seismic behaviour of reinforced concrete shear walls with regular and staggered openings after the strong earthquakes between 2009 and 2011”, Engineering Failure Analysis, Volume 34, pp: 537-565, ISSN 1350-6307, DOI: 10.1016/j.engfailanal.2013.05.014, Editura Elsevier, 2013;

8. **Marius Mosoarca**, “Failure analysis of RC shear walls with staggered openings under seismic loads”, Engineering Failure Analysis Volum 41, pp: 48–64, DOI: 10.1016/j.engfailanal.2013.07.037, Ed. Elsevier, 2014;
9. Victor Gioncu, **Marius Mosoarca**, Anastasiadis Anthimos, “Local ductility of steel elements under near-field earthquake loading”, Journal of Constructional Steel Research, Vol. 101, pp 33–52, DOI: 10.1016/j.jcsr.2014.05.001001, ISSN: 0143-974X, Ed. Elsevier, 2014;
10. **Marius Mosoarca**, Anthimos Anastasiadis, Kampouris Apostolos “Are free form architectures ecological buildings?”, Journal of environmental protection and ecology, vol.15, no.1 pp. 359-366, ISSN 1311-5065, 2014;
11. Anthimos Anastasiadis, **Marius Mosoarca**, Victor Gioncu, “Investigation of the cyclic inelastic capacity of steel beams through the use of the plastic collapse mechanism”, Bulletin of Earthquake Engineering, DOI 10.1007/s10518-014-9665-2, Print ISSN 1570-761X, Ed. Springer, 2014.
12. Keller Alexandra, Nicola Chieffo, Edmond Opritescu, **Marius Mosoarca**, Antonio Formisano. “Resilience of historic cities and adaptation to climate change”, Urbanism. Arhitectura. ConstructiI, Volume: 8, Issue: 1, Pages: 15-26, ISSN: 2069-0509, eISSN: 2069-6469, 2017;
13. **Mosoarca Marius**, Keller Alexandra, PetrusCristian, Racolta Andrei “Failure analysis of historical buildings due to climate change”. Engineering Failure Analysis, Volume: 82, pp. 666-680, <https://doi.org/10.1016/j.engfailanal.2017.06.013>, 2017
14. **Mosoarca Marius**, Keller Alexandra “A complex assessment methodology and procedure for historic roof structures”. International Journal of Architectural Heritage, Volume: 12, Issue: 4, pp. 578-98, 2018.
15. **Mosoarca, Marius**, Iasmina Onescu, Eugen Onescu, Bianca Azap, Nicola Chieffo, and Mirela Szitar-Sirbu, „Seismic vulnerability assessment for the historical areas of the Timisoara city, Romania”, Engineering Failure Analysis, Volume: 101, pp. 86-112, 2019
16. **Mosoarca, Marius**; Keller, Alexandra Iasmina; Bocan, Catalina, „Failure analysis of church towers and roof structures due to high wind velocities”, Engineering Failure Analysis, Volume: 100, pp. 76-87, 2019.

C.5 Articole la conferinta cotate ISI

1. **Marius Mosoarca**, Victor Gioncu, Voicu Fodor, „Historical wood bearing structures. Structural deficiencies and consolidation solutions for churches located in Banat county, Romania”, Structural Analysis of Historical Constructions, SAHC, vol 1-3, pp: 1231-1239, WOS:000321224300137, ISBN: 978-83-7125-216-7, IDS Number: BFT31- J. Jasienko (ed.), 2012, DWE, ISSN: 0860-2395, Wroclaw, Polonia, 2012;
2. **Mosoarca Marius**, Gioncu Victor, Failure mechanism of orthodox churches situated in seismic areas in Romania, Structural analysis of historical constructions, SAHC, Vol 1-3, Ed. J. Jasienko , pp: 1656-1664, WOS:000321224300186, ISBN: 978-83-7125-216-7, IDS Number: BFT31, ISSN: 0860-2395, Wroclaw, 2012;
3. Anastasiadis Anthimos, **Mosoarca Marius**, Gioncu Victor, „New aspects concerning the ductility of steel members”, STESSA 2012: Proceedings of the 7th international conference on behaviour of steel structures in seismic areas, Eds.: Mazzolani, F; Herrera, R, pp: 455-461, WOS:000300400100064, ISBN: 978-0-415-62105-2, IDS Number: BYU49, Santiago, Chile, 2012;
4. **Mosoarca Marius**, Gioncu Victor, „Seismic environments and earthquake engineering”, Advances in environmental and geological science and engineering, International Conference on Environmental and Geological Science and Engineering-Proceedings, pp: 186-191, WOS:000302000200035, ISBN: 978-960-474-221-9, ISSN: 1792-4685, IDS Number: BZM15, Constanta, 2010;
5. **Mosoarca Marius**, Gioncu Victor, „Reconversion of a damaged industrial building using FRP”, Protection of historical buildings - PROHITECH 09, vol. 1 si 2, Ed.: Mazzolani, FM, pp: 605-610, WOS:000280544200092, ISBN: 978-0-415-55803-7, IDS Number: BQB06, Roma, 2009;
6. Gioncu Victor, **Mosoarca Marius**, „Ultimate limit state of masonry historical buildings using collapse mechanism methodology: Application for Orthodox churches, Protection of historical buildings - PROHITECH 09, vol. 1 si 2, Ed.: Mazzolani, FM, pp: 1153-1158, WOS:000280544200178, ISBN: 978-0-415-55803-7, IDS Number: BQB06, Roma, 2009;
7. **Mosoarca Marius**, Gioncu Victor, “Strengthening of building by modification of structural system”, pg. 1287-1292, Protection of historical buildings - PROHITECH 09, pp: 1287-1292, WOS:000280544200199, ISBN: 978-0-415-55803-7, IDS Number: BQB06, Roma, 2009;
8. **Mosoarca Marius**, Gioncu Victor, Niculescu Marius “Strengthening of a historical apartment building by the insertion of steel seismic-resistant”, Protection of historical buildings - PROHITECH 09, Ed: Mazzolani, FM, pp: 1335-1340, WOS:000280544200206, ISBN: 978-0-415-55803-7, IDS Number: BQB06, Roma, 2009;

9. **Mosoarca Marius**, Victor Gioncu, Anastasiadis Anthimos, "Proposal for increasing the ductility of steel structures", pp.679-684, Behaviour of steel structures in seismic areas, STESSA august 2009, ISBN-13:978-0-415-56326-0; CRC Press, Taylor & Francis Group, Ed.: Mazzolani, FM; Ricles, JM; Sause, R, pp: 679-684, WOS: 000290361200098, ISBN: 978-0-415-56326-0, IDS Number: BUU26, Philadelphia, USA, 2009;
10. Ioan Andreescu, **Marius Mosoarca**, "The recovered beauty,restauraton and reconversion of the roman – catholic church of Bobda, Romania", Structural Analysis of Historical Constructions, Ed. J. Jasienko, SAHC 2012, ISSN: 0860-2395, ISBN: 978-83-7125-216-7, pp. 1361-1369, Wroclaw, Polonia, 2012;
11. **Marius Mosoarca**, "Innovative system for consolidation of historical few storey masonry buildings situated in seismic areas", Structural Analysis of Historical Constructions, Ed. J. Jasienko, SAHC 2012, ISSN: 0860-2395, ISBN: 978-83-7125-216-7, pp. 1647-1655, Wroclaw, Polonia, 2012;
12. Ioan Andreescu, **Marius Mosoarca**, "Urban complex renewal of the historic city of Ciacova, Romania", Structural Analysis of Historical Constructions, SAHC 2012, Ed. J. Jasienko , ISSN: 0860-2395, ISBN: 978-83-7125-216-7, pp. 2597-2604, Wroclaw, Polonia, 2012;
13. Radu Radoslav, **Marius Mosoarca**, Ana-Maria Branea, M. Stelian Gaman, "Conservation and reuse of historical industrial buildings, Case study Fabric neighborhood, Timisoara, Romania", Structural Analysis of Historical Constructions, SAHC 2012, Ed. J. Jasienko, ISSN: 0860-2395, ISBN: 978-83-7125-216-7, pp. 2760-2769, Wroclaw, Polonia, 2012;
14. Mihnea Truta, **Marius Mosoarca**, Gioncu Victor, Anastasiadis A., "Optimal design of steel structures for multi –level criteria" in Proceedings of the conference on behaviour of "Steel structures in seismic area", STESSA 2003, pp.63-69, ISBN: 90-5809-577-0, WOS: 000183623700009, Napoli, Italia, 2003;
15. Andreescu Ioan, Gaivoronschi Vlad Alexandru, **Marius Mosoarca**, „The hidden gem”, Advances Materials Research, Vol 778, pp: 880-887, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.778.880, 2013;
16. Janos Gergely, Victor Gioncu , **Marius Mosoarca**, "Behaviour of steel MRFs subjected to near-fault ground motions", Behaviour of Steel Structures in Seismic Areas, pp.129-136, Ed. F. M. Mazzolani, A. Wada, STESSA 2006, Ed. Taylor&Francis Group, ISBN: 0-415-40824-5, WOS: 000242847900018, Yokohama, Japonia, 2006;
17. Narita, Alina, **Marius Mosoarca**, Claudio Modena, Francesca da Porto, Marco Munari, Sabrina Taffarel, Claudia Marson, Claudia Valotto, and Margherita Roverato, "Behavior of Historic Buildings in Zones with Moderate Seismic Activity. Case Study: Banat Region, Romania." Procedia Engineering Volume: 161, pp. 729-737, <http://dx.doi.org/10.1016/j.proeng.2016.08.754>, 2016.
18. Andreescu, Ioan, Alexandra Keller, **Marius Mosoarca**. "Complex Assessment of Roof Structures." Procedia Engineering Volume 161, pp: 1204-1210, <http://dx.doi.org/10.1016/j.proeng.2016.08.542>, 2016.
19. Andreescu, Ioan, Vlad Gaivoronsch, **Marius Mosoarca**. "Old and New–the Complex Problem of Integrating New Functions into Old Building." Procedia Engineering Volume: 161, pp: 1103-1108, <http://dx.doi.org/10.1016/j.proeng.2016.08.513>, 2016.
20. Taffarel Sabrina, Marson Claudia, Valotto Claudia, Roverato Margherita, Munari Marco, da Porto Francesca, Modena Claudio, **Mosoarca Marius**, "Seismic vulnerability maps of Timisoara historical center based on fragility curves". In SAHC 2016_10th International Conference on Structural Analysis of Historical Constructions. Leuven, Belgium, CRC Press, Taylor and Francis Group, 1605-1612, 2016.
21. **Mosoarca Marius**, Gaivoronschi Vlad, Andreescu Ioan, Stoian Valeriu "Urban valorization of a military heritage building. Case study: City Business Center, Timisoara" In SAHC 2016_10th International Conference on Structural Analysis of Historical Constructions. Leuven, Belgium, CRC Press, Taylor and Francis Group, 1627-1634, 2016.
22. Apostol Iasmina, **Mosoarca Marius**, Stoian Valeriu "Modern Consolidation Solutions for Buildings with Historical Value. Part I: Reinforced Concrete Structures", Modern Technologies For The 3rd Millennium Pages: 111-116, 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, MARCH 23-24, 2017, Oradea, ROMANIA, ISBN: 978-88-87729-41-2, Published: 2017;
23. **Mosoarca Marius**, Apostol Iasmina, StoianValeriu"Modern Consolidation Solutions for Buildings with Historical Value. Part II: Masonry Structures", Modern Technologies For The 3rd Millennium Pages: 209-214, 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, MARCH 23-24, 2017, Oradea, ROMANIA, ISBN: 978-88-87729-41-2, Published: 2017;
24. KellerAlexandra, **Mosoarca Marius**"Modern Historic Timber Structure Consolidation Technologies - A State of the Art Review", Modern Technologies For The 3rd Millennium Pages: 179-184, 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, MARCH 23-24, 2017, Oradea, ROMANIA, ISBN: 978-88-87729-41-2, Published: 2017;

25. Fekete-Nagy Luminita, **Mosoarca Marius**, ParteneEva, Diaconu Dan“Reinforced Concrete Elements Designed By Alternative Procedure”, Modern Technologies For The 3rd Millennium Pages: 159-162, 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, MARCH 23-24, 2017, Oradea, ROMANIA, ISBN: 978-88-87729-41-2, Published: 2017;
26. Petrus Cristian, Partene Eva, **Mosoarca Marius**“Effect of Consolidating Materials on the Out of Plane Behaviour of Masonry Infills. A Design Approach”, Modern Technologies For The 3rd Millennium, Pages: 225-232, 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, MARCH 23-24, 2017, Oradea, ROMANIA, ISBN: 978-88-87729-41-2, Published: 2017;
27. Vataman, Adina; Gaivoronschi, Vlad; **Mosoarca, Marius**, “Integration of Composite Structures in Modern Day Architecture: Case Study of City Business Centre, Timisoara, Romania”, World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), IOP Conference Series-Materials Science and Engineering, Volume: 245, 2017
28. Dragos Bocan, Alexandra Keller, Catalina Bocan, Iasmina Apostol, **Marius Mosoarca**, “Potential Results of Using Current Thermal Rehabilitation Techniques on a City Block of Timisoara and their Structural Strengthening Opportunities”, IOP Conference Series: Materials Science and Engineering, ISSN: 1757-8981, Volume 471, Issue 6, 2019
29. Iasmina Onescu, **Marius Mosoarca**, Bianca Azap, Eugen Onescu, “Seismic Losses Scenario for Cultural Promenade in Timisoara Capital of Culture 2021, Romania”, IOP Conference Series: Materials Science and Engineering, ISSN: 1757-8981, Volume 471, Issue 6, 2019
30. Nicola Chieffo, **Marius Mosoarca**, Antonio Formisano, Iasmina Apostol, Seismic Vulnerability Assessment and Loss Estimation of an Urban District of Timisoara, IOP Conference Series: Materials Science and Engineering, ISSN: 1757-8981, Volume 471, Issue 6, 2019

C.6 Articole in BDI (Scopus)

1. **Mosoarca Marius**, Gioncu, V., „Seismic management and damage prevention of „religious buildings situated in seismic areas”, Proceedings of the International Conference on Risk Management, Assessment and Mitigation, RIMA '10, pp. 33-38, Bucuresti, 2010;
2. **Mosoarca Marius**, Gioncu, V., „Assessment and mitigation procedures for historical buildings situated in seismic areas”, Proceedings of the International Conference on Risk Management, Assessment and Mitigation, RIMA '10, pp. 27-32; Bucuresti, 2010;
3. Anthimos Anastasiadis, **Mosoarca Marius**, ”Vulnerability Assessment of R/C Buildings for Earthquake Insurance Purposes”, pp: 126-132, Proceedings of the International Conference RIMA 10, ISBN: 978-960-474-182-3; ISSN: 1790-2769 – Bucuresti, 2010;
4. Narița, Alina-Maria, Vlad Gurza, Răzvan Oprea, Alexandra Keller, Iasmina Apostol, **Marius Moșoarcă**, and Cătălina Bocan. "New vulnerabilities of historic urban centers and archaeological sites: Extreme loads." *Pollack Periodica* 11, no. 3 (2016): 15-26.
5. **Mosoarca Marius**, Anastasiadis Anthimon, Formisano Antonio. “New factors for the seismic vulnerability assessment of reinforced concrete buildings” *International journal of sustainable materials and structural systems*, Volume: 2, Issue: 3-4, Pages: 222-232, ISSN: 2043-8621, eISSN: 2043-863X, 2016;
6. **Mosoarca Marius**, Valeriu Stoian, Margareta Florea, Marius Niculescu. “Structural Balance of Historical Aggregates”. In *Structural Analysis of Historical Constructions*, Springer, Cham, 2448-2456, 2019.
7. Apostol Iasmina, **Marius Mosoarca**, Nicola Chieffo, Eugen Onescu “Seismic vulnerability scenarios for Timisoara, Romania”. In *Structural Analysis of Historical Constructions*, Springer, Cham, 1191-1200, 2019.
8. Partene Eva, **Marius Mosoarca**, Valeriu Stoian. "Structural Analysis and Damage Assessment of a Historical Masonry Palace—A Case Study." In *Structural Analysis of Historical Constructions*, Springer, Cham, 1117-1124, 2019.
9. Andreescu, Ioan, **Marius Moșoarcă**, Dan-Răzvan Dinu. "Reshaping the Villa—Complex Intervention in a 1930's Structure." In *Structural Analysis of Historical Constructions*, Springer, Cham, 2314-2322, 2019.
10. Onescu Iasmina, Onescu Eugen, **Mosoarca Marius**. “The impact of the cultural value on the seismic vulnerability of a historical building”, 4thWorld Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), IOP Conference Series: Materials Science and Engineering, Volume:603, Issue 4, 2019
11. Onescu Iasmina, Onescu Eugen, **Mosoarca Marius**. “The Impact of Timber Roof Framework over Historical Masonry Structures”, 4thWorld Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), IOP Conference Series: Materials Science and Engineering, Volume:603, Issue 4, 2019

C.7 Articole in reviste de specialitate din Romania

1. Nagy-Gyorgy T., **Mosoarca Marius**, Stoian V., Dan D., "Consolidarea peretilor din beton armat cu materiale composite", Simpozion AICPS, Bucuresti 2005, Buletin AICPS 3/2006;
2. Nagy-Gyorgy T., Stoian V., Diaconu D., Daescu C., Dan D., Sas G., **Mosoarca Marius**, "Pereti din beton armat si capete de grinzi consolidate cu materiale composite-rezultatele incercarilor", Buletin AICPS, nr.1/2007;
3. Gioncu Victor, **Mosoarca Marius**, Brateanu Alina "City Business Centre Timisoara" Premiul III, Buletin AICPS, nr.1-2/2008, pp.1-6, ISSN:1454-928x, Bucuresti, Romania, 2008;
4. Victor Gioncu, **Marius Mosoarca**, "Influenta componentelor verticale la cladirile istorice cu deschideri mari", Buletin A.I.C.P.S. 3/2006, Bucuresti, 2006;
5. **Marius Mosoarca**, Victor Gioncu, "Ductility aspects of steel beams", Acta Technica Napocensis: Civil Engineering & Architecture, U.T. Cluj-Napoca, vol.55, nr.1, 2012;
6. Cristian Petrus, Valeriu Stoian, **Marius Mosoarca**, Anthimos Anastasiadis, "Reinforced Concrete Frames with Masonry Infills. Out of Plane Experimental Investigation", Acta Technica Napocensis: Civil Engineering & Architecture, Vol. 58, No. 3, 2015.
7. **Mosoarca Marius**, Truta Mihnea, Gioncu Victor "Analiza seismica a cladirilor monument istoric cu ajutorul M.E.F." pp. 177-182, Editura "Academica Brincusi", Sectia 1, ISBN 973-85342-1-6, 2001;
8. Truta Mihnea, **Mosoarca Marius**, Gioncu Victor "Metodologia de proiectare antiseismica bazata pe nivele multiple" pp. 183-188, Editura "Academica Brincusi", Sectia 1, ISBN 973-85342-1-6, 2001;
9. **Mosoarca Marius**, Truta Mihnea, Gioncu Victor "Influenta golurilor asupra comportarii seismice a peretilor structurali din beton armat" pp. 195-200, Ed. "Academica Brincusi", Sectia 1, ISBN 973-85342-1-6, 2001;
10. **Mosoarca Marius**, Stoian Valeriu, Truta Mihnea, "Nonlinear Analysis of Seismic Behavior of R.C. Shear Walls with Straggered Openings", pp.120-126, Ovidius University Annals of Constructions, Vol. 1, Number 3, ISSN:12223-7221, 2002;
11. Truta Mihnea, **Mosoarca Marius**, Victor Gioncu, "Seismic Behavior of Steel Structures for serviceability Limit State" pp. 177-182, Ovidius University Annals of Constructions, Vol. 1, Nr 3, ISSN12223-7221, Constanta, 2002;
12. **Mosoarca Marius**, Valeriu Stoian, "Seismic energy dissipation in structural reinforced concrete walls with staggered openings", Journal of applied engineering sciences (JAES), Vol.2(15) Issue 1/2012, pp. 65-72, revista de categoria B+, indexat BDI – Copernicus, mai, 2012;
13. Narita Alina-Maria, **Mosoarca Marius**, "The valorisation of historical sites through architectural interventions", Journal of applied engineering sciences, Vol. 2(15), issue 2, ISSN 2247- 3769 ISSN-L 2247- 3769 (Print) / e-ISSN: 2284-7197, pp. 69-76, Oradea, 2012.
14. **Marius Mosoarca**, Victor Gioncu, "Bisericile de lemn monument istoric din Banat. Degradari structurale. Solutii de consolidare", revista "Transsylvania Nostra", nr.4, ISSN 1842-5631, Cluj-Napoca, vol.55, nr.1, 2012;
15. Iasmina Apostol, **Marius Mosoarca**, Eugen Onescu, "Seismic vulnerability assessment for historical building as isolate/ in aggregate for Timisoara city, Romania", Journal of Architecture, Urbanism and Heritage, vol. 2, pp. 55-62, 2018.
16. Alexandra Keller, **Marius Moșoarca**, "Assessment methodology for historic timber roof structures", Journal of Architecture, Urbanism and Heritage, vol. 2, pp. 41-46, 2018.

C.8 Reviste de specialitate din strainatate

1. Anastasiadis Anthimos, **Mosoarca Marius**, "Roofing with metallic constructions", ΥΛΗΚΤΗΡΙΟ , ΠΕΡΙΟΔΙΚΟΑΡΧΙΤΕΚΤΟΝΙΚΗΣ-ΤΕΧΝΟΛΟΓΙΑΣ, ISSN 1109-0189, pp:123-132, Grecia,2002;
2. Anastasiadis Anthimos, **Mosoarca Marius**, "Prefabrication - applications on industrial buildings", revista: ΥΛΗΚΤΗΡΙΟ, ΠΕΡΙΟΔΙΚΟΑΡΧΙΤΕΚΤΟΝΙΚΗΣ-ΤΕΧΝΟΛΟΓΙΑΣ, ISSN 1109-0189, pp:109-119, Grecia, 2003;
3. **Mosoarca Marius**, Victor Gioncu, Ovidiu Cosma, "Seismic Behaviour of Romanian Orthodox Churches, Modeling of Failure Modes by Rigid Blocks", International Journal of Civil and Geological Engineering, Issue 6, pp:240-247; <http://waset.org/journals/ijcge/v6/v6-38.pdf>, 2012.
4. Keller Alexandra, Parisi Maria Adelaide, Tsakanika Eleftheria, **Mosoarca Marius**, "Influence of historic roof structures on the seismic behaviour of masonry structures", Proceedings of the Institution of Civil Engineers-Structures and Buildings, ICE Virtual Library, 2019 (ahead of print).

C.9 Volumele unor manifestari stiitifice din strainatate (simpozioane, conferinte)

1. Tamas Nagy–Gyorgy, **Marius Mosoarca**, Valeriu Stoian, Janos Gergely, Daniel Dan, “Retrofit of Reinforced Concrete Shear Walls with CFRP Composites”, Proc. Symposium ”Keep Concrete Attractive”, ISBN 963 420 838 X, Budapest, 2005;
2. Stoian V., Nagy-Gyorgy T., Daescu C., Dan D. , **Mosoarca Marius**, Diaconu D., “Polymeric composites for seismic rehabilitations-studies and research”, Proc. of the 4th International Scientific Meeting- INDIS 2006, ISBN 86-7892-016-5, Novi Sad, Serbia, 2006;
3. Nagy-Gyorgy T., Stoian V., Dan D., Daescu C., Diaconu D., **Mosoarca Marius**, “Research Results on RC Walls and Dapped Beam Ends Strengthened eith FRP Composites”, Proc. of the 8th Int. Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures: FRPRCS-8, Patras, Grecia, 2007;
4. Anastasiadis Anthimos, Gioncu Victor, **Mosoarca Marius**, “Design Aspects of Reduced Beam Sections for IPE and HEA European Profiles”, Proc. 5th National Conference on Metal Structures, 29 septembrie -2 octombrie, 2005, Xanthi;
5. J. Gyorgyi, Victor Gioncu, **Marius Mosoarca**, “Rövididejü, törésközeli felszínmozgás hatása acél keretszerkezetre”, Proc.Conference on earthquake safety in Hungary, pp. 85-106,ISBN 978-963-7175-33-6; Győr 2007;
6. **Mosoarca Marius**, Gioncu Victor, “Investigations of Historical Spatial Buildings Behaviour” ID156, T5, Proc. Conference Proceedings IASS Venetia, Shell and Spatial Structures: Structural Architecture – Towards the future looking to the past, 3-6 dec., Venetia, Italia 2007;
7. Truta Mihnea, **Mosoarca Marius**, Gioncu Victor, International Conference New Trends in Statics and Dynamics of Buildings, “Serviceability limit state for seismic design”, pp.213-217, Conference proceeding, Slovak University, ISBN 80-227-1790-8 Bratislava, octombrie 2002;
8. Naghiu Adrian, Florin Cioboiu, **Mosoarca Marius**, Gioncu Victor, “Stability problems for columns in one storied industrial hall”, Conference proceeding in “3rd International Conference of New Trends in Statics and Dynamics of Buildings, pp.343-346, Slovak University, ISBN 80-227-2116-6, 21-22 octombrie, Bratislava, Slovacia, 2004;
9. Lengyel Tibor, **Mosoarca Marius**, Gioncu Victor, “ Stability design of steel trusses” in “3rd International Conference of New Trends in Statics and Dynamics of Buildings”, pp. 309-312, Conference proceeding, Slovak University, ISBN 80-227-2116-6, Bratislava, 2004;
10. **Mosoarca Marius**, Anastasiadis Anthimos, “ Behaviour of RC shears walls with staggereg openings in seismic zones” in “3rd International Conference of New Trends in Statics and Dynamics of Buildings”, pp. 321-325, Conference proceeding, Slovak University, ISBN 80-227-2116-6, Bratislava, 2004;
11. Gioncu Victor, **Mosoarca Marius**, Anastasiadis Anthimos, “Dynamic modelling of historical buildings”, in “4rd International Conference of New Trends in Statics and Dynamics of Buildings, pp.281-285, Conference proceeding, Slovak University, ISBN 80-227-2277-4, 20-21 octombrie, Bratislava, 2005;
12. Truta Mihnea , **Marius Mosoarca**, Gioncu Victor, “Design methodology of steel structures based on multi-level states”, in Proc. “4th National Conference on Steel Structures ”, pp. 359-366, vol.II, ISBN 960-7620-25-9, Patras, Grecia, 2002;
13. Victor Gioncu, **Marius Mosoarca**, Niculescu Marius, “Behaviour and restauration of historical houses in areas with moderate earthquakes”, in Conf. proceedings.: “Seismic risk. Earthquakes in North-Western Europe”, pg.175-182, Les Editions de l’Universite de Liege, ISBN 978-2-87456-063-7, Liege, Belgia, 2008;
14. Anthimos Anastasiadis, **Marius Mosoarca**, Victor Gioncu,“Local ductility of rolled steel beams”, pp. 1185-1190, EUROSTEEL 2011, Conf. proceedings : 6th European Conference on Steel and Composite Structures, Volum B, ISBN: 978-92-9147-103-4 Budapest, Hungary, 31 august – 2 septembrie, 2011;
15. **Mosoarca Marius**, Gioncu V., Cosma O., “Seismic Behaviour of Romanian Orthodox Churches. Modeling by Rigid Blocks”, in Conf. proceedings: International Conference on Modeling and Simulation ICMS 2012, - World Academy of Science and Technology, Issue 61, pp. 678-686, pISSN 2010-376x ; eISSN 2010-3778, 15-17 ianuarie, Zurich, Elvetia, 2012;
16. **Mosoarca Marius**, Stoian V., “Modelling by theoretical and Experimental Analysis of RC Shear Walls with Staggered Openings Subjected to Seismic Actions. Reduction of rigidity”, International Conference on Modeling and Simulation ICMS 2012, World Academy of Science and Technology, Issue 61, pp. 687-697, pISSN 2010-376x ; eISSN 2010-3778, 2012, Zurich, Elvetia, 2012;
17. **Mosoarca Marius**, “Failure Modeling using Simplified Computational Methods of RC Shear Walls with Staggered Openings Subjected to Seismic Actions”, International Conference on Modeling and Simulation ICMS 2012, - World Academy of Science anf Technology, Issue 61 pp. 970-978, pISSN 2010-376x; eISSN 2010-3778, , Zurich, Elvetia, 15-17 ianuarie, 2012;

18. Bogdan Demetrescu, Bogdan Isopescu, **Marius Mosoarca**, “A Study of Retrofitting Traditional Shingles and Shakes Roofs on Historical Buildings”, PROHITECH’14 - Proceedings of 2nd International conference on Protection of Historical Constructions, Ed.: F.M. Mazzolani, G. Altay, ISBN 978-975-518-361-9, pp.95-99, Antalya, Turcia, 7-9 mai 2014;
19. **Marius Mosoarca**, Victor Gioncu[†], Anthimos Anastasiadis, Cristian Petrus, “Applications of the Consolidation Methods Developed in the “PROHITECH” Research Program. Consolidation of Historic Wood Churches from Banat Seismic Region, Romania”, PROHITECH’14 – Proc. of 2nd International conference on Protection of Historical Constructions, Ed.: F.M. Mazzolani, G. Altay, ISBN : 978-975-518-361-9, pp.681-6877, Antalya, Turcia, mai 2014;
20. **Marius Mosoarca**, Victor Gioncu[†], Anthimos Anastasiadis, Cristian Petrus, “Seismic Failure Modes Developed by Romanian Orthodox Churches”, PROHITECH’14 - Proceedings of 2nd International conference on Protection of Historical Constructions, Ed.: F.M. Mazzolani, G. Altay, ISBN: 978-975-518-361-9, pp.837-842, Antalya, Turcia, 7-9 mai 2014;
21. **Marius Mosoarca**, Ioan Andreescu, “Seismic Vulnerability Assessment of Historical Masonry Complex Buildings of Banat Region, Romania”, PROHITECH’14 – Conf. proceedings of 2nd International conference on Protection of Historical Constructions, Ed.: F.M. Mazzolani, G. Altay, ISBN: 978-975-518-361-9, pp. 846-849, Antalya, Turcia, 7-9 mai 2014;
22. **Mosoarca Marius**, Victor Gioncu, “Historic bearing structures. Sinagogues in Timisoara. Structural degradation”, in Conf. proc. 6th International Congress on ”Science and technology for the safeguard of cultural heritage in the Mediterranean Basin”, ISBN: 978-88-97987-01-7, pp. 70, Atena, Grecia, 22-25 octombrie 2013;
23. **Mosoarca Marius**, “Reinforcement of historic multi storey bearing structures with braced metal tubes”, Congress on ”Science and technology for the safeguard of cultural heritage in the Mediterranean Basin”, ISBN: 978-88-97987-01-7, pp.71, Atena, Grecia, 22-25 octombrie 2013;
24. **Mosoarca Marius**, Anthimos Anastasiadis, “New factors influencing the failure mechanisms of reinforced concrete buildings located in seismic areas”, International Van earthquake symposium, Paper ID:110, pp. 88, Van, Turcia, 2013;
25. Anthimos Anastasiadis, **Mosoarca Marius**, Considerations on local ductility of steel framed structures under seismic actions, 2013 International Van earthquake symposium, Paper ID:37, pp. 45, Van, Turcia, 23 – 27 octombrie 2013;
26. A.S. Anastasiadis, **Mosoarca Marius**, F.M. Mazzolani, “Cyclic and Strain Rate Local”, Proc. 7th European Conference on Steel and Composite Structures, EuroSteel 2014, pp. 599-600 – Abstract volume, ISBN: 978-92-9147-121-8, Napoli, Italia, 10-12 septembrie 2014;
27. **Mosoarca Marius**, Petrus Cristian, Stoian Valeriu, Anthimos Anastasiadis, “Seismic risk of buildings with RC frames and masonry infills from Timisoara, Banat Region, Romania: Proc. 9th International Masonry pp: 512, Paper ID MIE6, ISBN 978-972-8692-85-8, Conference in Guimaraes, Portugalia, 2014;
28. Partene Eva, Stoian Valeriu, **Mosoarca Marius**, Fekete-Nagy Luminita, “Cyclic in-plane experimental tests for evaluation of shear capacity of brick masonry walls”, Proc. 9th International Masonry, Paper ID 1621 pp. 395, ISBN 978-972-8692-85-8, Conference in Guimaraes, Portugalia, 2014;
29. **Mosoarca Marius**, Anastasiadis Anthimos, Petrus Cristian, “Structural analysis of synagogues from Timisoara, Romania”, Proc. 9th International Conference on Structural Analysis of historical Constructions, SAHC 2014, Program & abstracts, ISBN:04-2014-102011495500-102, pp. 120, Mexico City, Mexic, 15-17 Octombrie 2014.
30. Andreescu Ioan, **Mosoarca Marius**, Gaivoronschi Vlad, Stoian Valeriu “Revitalization of historic Roof Framing Systems from Timisoara, Romania” SHATIS’15 – Conf. Proceedings of 3rd International Conference on Structural Health Assessment of Timber Structures, Ed.: Jerzy Jasienko, Tomasz Nowak, ISSN 0860-2395, ISBN 978-83-7125-6, pp. 785-796, Wroclaw, Poland, 9-11 September, 2015
31. **Mosoarca Marius**, Gaivoronschi Vlad, Stoian Valeriu “Complex system of wooden pile foundation for the lock from Timisoara fortress”, SHATIS’15 – Conf. Proceedings of 3rd International Conference on Structural Health Assessment of Timber Structures, Ed.: Jerzy Jasienko, Tomasz Nowak, ISSN 0860-2395, ISBN 978-83-7125-6, pp. 301-312, Wroclaw, Poland, 9-11 September. 2015
32. Obradovici Vlad, Micsa Ovidiu, Bica Smaranda, **Mosoarca Marius** “Wood, the originary matter through which the ethnographical area of Faget has been defined, today in danger to be lost. Case study: Crivina de Sus village, SHATIS’15 – Conf. Proceedings of 3rd International Conference on Structural Health Assessment of Timber Structures, Ed.: Jerzy Jasienko, Tomasz Nowak, ISSN 0860-2395, ISBN 978-83-7125-6, pp. 322-329, Wroclaw, Poland, 9-11 September, 2015

33. Anthimos Anastasiadis, **Marius Mosoarca**, Cristian Petrus, Frederico Mazzolani, “Some thoughts for the prediction of the local inelastic capacity of MRF Subjected to seismic actions” 8th International Conference on Behaviour of Steel Structures in Seismic Areas, Shanghai, China, July 1-3, 2015
34. **Mosoarca Marius**, Petrus Cristian, Stoian Valeriu, Anastasiadis Anthimos “Behaviour of masonry infills subjected to out of plane seismic actions. Part 1: Theoretical analysis”, 16IBMAC – 16th International Brick and Block Masonry Conference, 25-30 June, 2016, Padova, Italy, paper ID: 0146_1, 2016
35. **Mosoarca Marius**, Petrus Cristian, Stoian Valeriu, Anastasiadis Anthimos “Behaviour of masonry infills subjected to out of plane seismic actions. Part 2: Experimental testing”, 16IBMAC – 16th International Brick and Block Masonry Conference, 25-30 June, 2016, Padova, Italy, paper ID: 0146_2, 2016
36. Chieffo Nicola, Apostol Iasmina, Keller Alexandra, **Mosoarca Marius**, Marzo Ana “Global behavior of historical masonry structures and timber roof framework”. In 3rd International Conference on Protection Of Historical Constructions (PROHITECH’17), Mazzolani, F. Lamas, A. Calado, L. Proenca, J. and Faggiano, B., eds., 2017.
37. Keller Alexandra, Chieffo Nicola, **Mosoarca Marius** “Influence of roof structures on seismic behavior of historic buildings”. In 3rd International Conference on Protection Of Historical Constructions (PROHITECH’17), Mazzolani, F. Lamas, A. Calado, L. Proenca, J. and Faggiano, B., eds. 2017
38. Formisano Antonio, Chieffo Nicola, **Mosoarca Marius**. “Probabilistic damage scenario: a case study in Amatrice affected by the 2016 seismic sequence”. 3rd International Conference on Protection Of Historical Constructions (PROHITECH’17), Mazzolani, F. Lamas, A. Calado, L. Proenca, J. and Faggiano, B., eds. 2017
39. Keller Alexandra, **Mosoarca Marius** “A complex assessment of historic roof structures” In 4th International Conference on Structural Health Assessment of Timber Structures (SHATIS’17), Arun, G. ed., 157–168, 2017.
40. Keller Alexandra, **Mosoarca Marius** “Historic timber roof structures: Value and influence on the seismic behaviour of heritage buildings”, ICSA 2019 4th International Conference on Structures and Architecture, 24-26 July, Lisbon, Portugal, 2019
41. Onescu Iasmina, Onescu Eugen, **Mosoarca Marius** “Multi-criterial vulnerability assessment for Timisoara city, Romania”, ICSA 2019 4th International Conference on Structures and Architecture, 24-26 July, Lisbon, Portugal, 2019
42. Keller Alexandra, **Mosoarca Marius** “Influence of roof structures on seismic vulnerability of historic buildings” in 5th International Conference on Structural Health Assessment of Timber Structures (SHATIS’19), Branco J., Sousa H. and Poletti E. eds, 171-178, 2019

C.10 Volumele unor manifestari stiitifice din Romania (simpozioane, conferinte)

1. **Mosoarca Marius**, Lazea Lucian, Gioncu Victor, “Slim floor with ceramics or concrete blocks for steel structures”, pp. 593-598, The 9-th International Conference on Metal Structures, Ed. Orizonturi Universitare Timisoara, ISBN:973-8109-17-5, Timisoara, 2000;
2. Anastasiadis Anthimos, **Mosoarca Marius**, “ Multi Level Earhquake Design of Steel Frames: a Designers’ View”, Recent Advances and New Trends in Structural Design, Colloquium dedicated to the 70th anniversary of Prof. Victor Gioncu, pp. 307-315, ISBN: 973-638-119-6, Timisoara, 7-8 mai 2004;
3. Stoian V., Dan D., **Mosoarca Marius**, Nagy-Gyorgy T., “Experimental Studies on Structural Elements”, Recent Advances and New Trends in Structural Design, Victor Gioncu Aniversary Colloquium, pp. 283-294, ISBN: 973-638-119-6, Timisoara, 2004;
4. Nagy-Gyorgy T., Stoian V., Dan D., Daescu C., Diaconu D., **Mosoarca Marius**, “Seismic retrofit of masonry and rc elements with FRP composites-research and applications” , ISSR07, Bucuresti, 2007;
5. Gioncu Victor, **Mosoarca Marius**, “Methods for structural analysis of historical buildings”, Civil Engineering Proceeding of the International Conference Constructions 2008, “Methods for Structural Analysis of Historical Buildings”, Acta Technica Napocensis, Section Civil Engineering-Arhitecture, pp. 137-144, Vol III, 2008, ISSN 1221-5848, Cluj-Napoca, 9-10 mai 2008;
6. Hetes Dorel, David Ioan, **Mosoarca Marius**, “The risk and vulnerability of the hydrotechnical arrangement Bega Timisoara”, The 33-th Annual Congress of the American Romanian Academy of Arts and Sciences, Sibiu, 2-7 iunie 2009, Ed. Polytechnic International Press Montreal, Quebec Canada, pp. 93-96, Vol II, 2009;
7. **Mosoarca Marius**, Victor Gioncu, Ovidiu Cosma, “Seismic Behaviour of religious historical buildings on domes and pendantives”, pp.43-52, Buletinul Stiintific al Universitatii Politehnica din Timisoara, Seria Constructii-Arhitectura, Tomul 55(69), Fascicola 1, ISSN:1224-6026, Editura Politehnica, 2010;
8. Boltres Cristian, **Mosoarca Marius**, “Banat-Romania Industrial past sustainable, environmetaly friendly and profitable future”, pp. 242, in Proc. International UAB BENA Conference, Environmental Engineering and sustainable development, Editura Aeternitas, ISBN: 978-606-613-002-8, Alba-Iulia, Romania, 26-27 mai, 2011;

9. Cosma Ovidiu, **Mosoarca Marius**, "Ecologic methods of restauration of historical churches", pp. 247, International UAB BENA Conference, Environmental Engineering and sustainable development, Ed. Aeternitas, ISBN:978-606-613-002-8, Alba-Iulia, Romania, 26-27 mai, 2011;
10. Cosma Ovidiu, **Mosoarca Marius**, "Sustainable restauration of historical churches", pp. 246, International UAB BENA Conference, Environmental Engineering and sustainable development, Ed. Aeternitas, ISBN: 978-606-613-002-8, Alba-Iulia, Romania, 26-27 mai, 2011;
11. Voicu Fodor, **Mosoarca Marius**, "Echological bearing structures. Historical wooden churches of Banat environmentally friendly restauration. Methods of wooden churches in Banat", pp. 248, International UAB BENA Conference, Environmental Engineering and sustainable development, Ed. Aeternitas, ISBN:978-606-613-002-8, Alba-Iulia, Romania, 26-27 mai, 2011;
12. Victor Gioncu, **Mosoarca Marius**, "A grid for an atrium roof", Proceedings of 6th International Conference on Thin Walled Structures. Recent research advances and trends", Vol. 2, pp. 905-912, Ed. ECCS – European Convention for Constructional Steelwork, ISBN: 978-92-9147-102-7, Timisoara, 2011.
13. Petrus Cristian, Valeriu Stoian, **Mosoarca Marius**, Anastasiadis Anthimos, "Reinforced concrete frames with masonry infills. Damages and consolidation measures", CePhD 2014 – 2nd International Conference for PhD Students in Civil Engineering and Architecture, paper ID: 743, Cluj-Napoca, Romania, 10-13 dec. 2014
14. Nagy-Gyorgy T., Stoian V., **Mosoarca Marius**, Gergely J., Dan D., "Calculul peretilor din beton armat consolidate cu composite", Zilele Academiei Timisene, pp. 427-432, ISBN 973-661-652-5, Timisoara, 2005;
15. Stoian V., Nagy-Gyorgy T., Daescu C., Dan D., **Mosoarca Marius**, Diaconu D., Sas D., "Composite polimerice pentru reabilitari seismice-studii si cercetari", Conferinta Nationala de Inginerie Seismica III, Bucuresti, 2005;
16. Gioncu Victor, **Mosoarca Marius**, Palade Cristian, "Solutii de consolidare cu fibre de carbon a structurilor din beton armat situate in zone seismice si puternic degradate in procesul de exploatare", Zilele academice timisene, "Lucrarile simpozionului international – Materiale, elemente si structuri composite pentru constructii" Editia a IX-a, pp. 405-410, Ed. Mirton 2005, ISBN 973-661-65-5, 26-27 mai Timisoara, 2005;
17. Nagy-Gyorgy T., Stoian V., **Mosoarca Marius**, Dan D., " Pereti structurali din beton armat consolidati cu composite - Primele incercari experimentale", Zilele Academice Timisene, Timisoara, 2003;
18. Marin Marin, **Mosoarca Marius**, "Sistem mixt de fundare pe piloti perimetrali si radier general"; a XI-A Conferinta Nationala de geotehnica si fundatii, pp.214-222, Cluj-Napoca, 27-29 septembrie 2000;
19. Marin Marin, Pantea Petru, **Mosoarca Marius**, "Aspecte privind consolidarea fundatiilor pe piloti prefabricati la o constructie in cadre din beton armat"; a XI-A Conferinta Nationala de geotehnica si fundatii, pp. 203-213, Cluj-Napoca, 27-29 septembrie 2000;
20. Lazea Lucian, **Mosoarca Marius**, Gioncu Victor, , "Consolidarea Manastirii Sf.Gheorghe Birda-Jud.Timis" "Zilele Academiei Timisene, Editia a VIII-a, Simpozion "Materiale, elemente si structuri composite/compuse pentru constructii", Ed. Mirton, Timisoara, 24-25 mai, 2001;
21. **Mosoarca Marius**, Stoian Valeriu, "Comportarea diaframelor cu goluri decalate la actiuni seismice"; Zilele Academiei Timisene, Editia a VII-a, Simpozion "Materiale, elemente si structuri composite/compuse pentru constructii", Ed. Mirton,, Timisoara, 24-25 mai, 2001;
22. Gioncu Victor, **Mosoarca Marius**, Niculescu Marius, Cioboiu Florin " Comportarea seismica a cladirilor istorice de locuit", pp. 213-218, Zilele Academiei Timisene, Editia a X-a, Simpozion International "Composite Materials, elements and structures for construction", Ed. Politehnica, ISSN 1843-0910, Timisoara, 24-25 mai 2007;
23. Gioncu Victor, **Mosoarca Marius**, Anastasiadis Anthimos, "Structuri prefabricate din beton in zone seismice:analiza avariilor produse", pp 39-52, Societatea pentru beton si prefabricate din Romania, Conferinta: Structuri prefabricate din beton in centrul si estul Europei, ISBN 978-973-662-329-5, Cluj Napoca, 8-9 noiembrie 2007;
24. Victor Gioncu, **Mosoarca Marius**, Alina Brateanu, "Complexul de birouri City Business Centre" Timisoara", pp. 251-262, Realizari si preocupari actuale in ingineria constructiilor metalice, Lucrarile celei de-a 12-a Conferinte Nationale de Constructii Metalice, Editura Orizonturi Universitare Timisoara, ISBN: 978-973-638-464-6, Timisoara, 26-27 noiembrie 2010;
25. Vlad Gaivoronschi, Ioan Andreescu, **Mosoarca Marius**, "Working in the Attic. Complex Restoration and Reconversion of an Historic Attic Structure in Timisoara, Romania", C60 International Conference, "Tradition and Inovation – 60 Years of Civil Engineering Higher Education in Transilvania", pp. 287,288, ISBN: 978-973-662-903-7, Cluj-Napoca, 7-9 noiembrie 2013.
26. **Mosoarca Marius**, Stoian Valeriu, "Inercari experimentale realizate pe pereti structurali din beton armat cu goluri decalate", Zilele Academice Timisene, pp. 157-163, ISBN: 973-661-012-8, 2003.

D. CITARI (in articole indexate ISI, Web of Science, BDI, etc.)

D.1. CITARI ARTICOLE ISI SI ISI PROCEEDINGS

- Marius Mosoarca, Victor Gioncu, „Failure mechanisms for historical religious buildings in Romanian seismic areas”, Journal of Cultural Heritage, Volume: 14, Issue: 3, pp: E65-E72, Supplement: S, Ed. Elsevier, iunie 2013; **CITARI IN JURNALE SI CONFERINTE INDEXATE ISI**

1. Hulimka, J., Kałuża, M. and Kubica, J., 2019. Failure and overhaul of a historic brick tower. Engineering Failure Analysis, 102, pp.46-59.
2. D’Altri, A.M., Castellazzi, G. and de Miranda, S., 2018. Collapse investigation of the Arquata del Tronto medieval fortress after the 2016 Central Italy seismic sequence. Journal of Building Engineering, 18, pp.245-251.
3. Ding, L., Wu, X., Zhang, L. and Skibniewski, M.J., 2015. How to protect historical buildings against tunnel-induced damage: A case study in China. Journal of Cultural Heritage, 16(6), pp.904-911.

CITARI IN JURNALE SI CONFERINTE NEINDEXATE

1. Elyamani, A. and Roca Fabregat, P., 2018. A review on the study of historical structures using integrated investigation activities for seismic safety assessment. Part II: Model updating and seismic analysis. Scientific Culture, 4(1), pp.29-51.

- Marius Mosoarca, Victor Gioncu, „Historical wooden churches from Banat region, Romania. Damages. Modern consolidation solutions”, Journal of Cultural Heritage, Volum: 14, Issue: 3, pp: E45-E59, Supplement: S, DOI: 10.1016/j.culher.2012.11.020, WOS:000327013800009, ISSN: 1296-2074, eISSN: 1778-3674, Ed. Elsevier, iunie 2013;

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Lubowiecka, I., Zybala, T., Bukal, G., Krajewski, M., Kujawa, M., & Kłosowski, P., 201, . On the current state of dovetail wall-corner joints in wooden Greek Catholic churches in Polish Subcarpathia with structural and sensitivity analyses. International Journal of Architectural Heritage, 1-18.
2. Kloiber, M., Reinprecht, L., Hrivnák, J. and Tippner, J., 2016. Comparative evaluation of acoustic techniques for detection of damages in historical wood. Journal of Cultural Heritage, 20, pp.622-631.
3. Qiao, G., Li, T. and Chen, Y.F., 2016. Assessment and retrofitting solutions for an historical wooden pavilion in China. Construction and Building Materials, 105, pp.435-447.
4. Cataldi, A., Deflorian, F. and Pegoretti, A., 2015. Microcrystalline cellulose filled composites for wooden artwork consolidation: Application and physic-mechanical characterization. Materials & Design, 83, pp.611-619.

CITARI IN JURNALE SI CONFERINTE NEINDEXATE

1. Adamo, M., Baccaro, S. and Cemmi, A., 2015. Radiation processing for bio-deteriorated archived materials and consolidation of porous artefacts.

- Marius Mosoarca, Victor Gioncu, „Structural safety of historical buildings made of reinforced concrete, from Banat region - Romania”, Journal of Cultural Heritage, Volum: 14, Issue: 3, pp: E29-E34, Supplement: S, DOI: 10.1016/j.culher.2012.11.015, WOS:000327013800006, ISSN: 1296-2074, eISSN: 1778-3674, Ed.Elsevier, iunie 2013.

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Iribarren, J. I., Liesa, F., Meneguzzi, Á., Alemán, C., & Armelin, E., 2019. Spectroscopy investigations reveal unprecedented details in the corrosion of AISI 1012 UPN profiles installed in a modernist building of beginning of 20th century. Journal of Cultural Heritage.
2. Goncalves, W.L., Gomes, G.F., Mendez, Y.D., Almeida, F.A., Santos, V.C. and Cunha Jr, S.S., 2018. A numerical-experimental evaluation of beams composed of a steel frame with welded and conventional stirrups. Computers and Concrete, 22(1), pp.27-37.
3. Iribarren, J.I., Liesa, F., Alemán, C. and Armelin, E., 2017. Corrosion rate evaluation by gravimetric and electrochemical techniques applied to the metallic reinforcing structures of a historic building. Journal of Cultural Heritage, 27, pp.153-163.
4. Lute, M., 2016, June. Classic and New Materials Used for Structural Rehabilitation. Case Study. In IOP Conference Series: Materials Science and Engineering (Vol. 133, No. 1, p. 012033). IOP Publishing.

5. Ding, L., Wu, X., Zhang, L. and Skibniewski, M.J., 2015. How to protect historical buildings against tunnel-induced damage: A case study in China. *Journal of Cultural Heritage*, 16(6), pp.904-911.
6. De Luca, F., Verderame, G.M. and Manfredi, G., 2014. Eurocode-based seismic assessment of modern heritage RC structures: The case of the Tower of the Nations in Naples (Italy). *Engineering Structures*, 74, pp.96-110.

CITARI IN JURNALE SI CONFERINTE INDEXATE BDI

1. Mirtaheri, M., Abbasi, A. and Salari, N., 2017. A seismic behavior and rehabilitation of the historic masonry minaret by experimental and numerical methods.
 2. Chun, Q., Van Balen, K. and Pan, J., 2016. Experimental research on physical and mechanical performance of steel rebars in Chinese modern reinforced concrete buildings built during the Republic of China era from 1912 to 1949. *Materials and Structures*, 49(9), pp.3679-3692.
 3. Miszczyk, A., Szocinski, M. and Darowicki, K., 2016. Restoration and preservation of the reinforced concrete poles of fence at the former Auschwitz concentration and extermination camp. *Case Studies in Construction Materials*, 4, pp.42-48.
 4. Verderame, Gerardo M., Flavia De Luca, and Gaetano Manfredi. "Seismic Assessment via EC8 of Modern Heritage Structures: Knowledge of the Structure and Analysis Methodologies." In *Handbook of Research on Seismic Assessment and Rehabilitation of Historic Structures*, pp. 607-628. IGI Global, 2015.
- Kampouris, A, Anastasiadis Anthimos, Marius Mosoarca , „Environmental impact assessment and evaluation of road construction works in forest ecosystems”, *Journal of environmental protection and ecology*, Volum: 14 Issue: 2 pp: 753-760, WOS:000321796500041, ISSN: 1311-5065, IDS Number: 183EG, 2013;

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Vrahnakis, M.; Fotiadis, G.; Kazoglou, Y. 2015. Range Land And Forest Habitat Quality Of The Endemic Prespa Trout After Road Improvement Works. *Journal of Environmental Protection and Ecology*, 16(4), pp.1380-1388.
 2. Esetlili, M.T., Ozen, F., Kurucu, Y. and Bolca, M., 2014. Relationship between Highway Constructions and Natural Habitat. A Case Study of Izmir Highway. *Journal of Environmental Protection and Ecology*, 15(4), pp.1881-1892.
 3. Torok, Z.C., 2014. MONITORING OF Bufo Bufo PRE-REPRODUCTION MIGRATION IN AREAS FROM THE LOWER DANUBE REGION. *Journal of Environmental Protection and Ecology*, 15(2), pp.478-487.
- Victor Gioncu, Marius Mosoarca, Anthimos Anastasiadis, „Prediction of available rotation capacity and ductility of wide-flange beams: Part 1:DUCTROT-M computer program”, *Journal of Constructional Steel Research* 69, Volum: 69, Issue: 1, pp: 8-19, DOI: 10.1016/j.jcsr.2011.06.014, WOS:000297894100002, ISSN: 0143-974X, Ed. Elsevier, 2012;

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Kulkarni, A., & Gupta, L. M., 2019. Evaluation of rotation capacity of I-shaped welded steel plate girders. *Arabian Journal for Science and Engineering*, 44(5), pp. 4533-4554.
2. Jia, L.J., Tian, Y., Zhao, X. and Tian, S., 2019. Rotational capacity of H-shaped steel beams under cyclic pure bending. *STEEL AND COMPOSITE STRUCTURES*, 30(2), pp.123-140.
3. Zhao, X., Tian, Y., Jia, L.J. and Zhang, T., 2018. Ultra-low cycle fatigue tests of Class 1 H-shaped steel beams under cyclic pure bending. *STEEL AND COMPOSITE STRUCTURES*, 26(4), pp.439-452.
4. El Aghoury, I.M., ElDin, H.M.S. and Galal, K., 2017. Nominal moment capacity of partially deteriorated AISC W-section beams. *Engineering Failure Analysis*, 82, pp.123-137.
5. Gholami, M., Sam, A.M., Marsono, A.K., Tahir, M.M. and Faridmehr, I., 2016. Performance of steel beams strengthened with pultruded CFRP plate under various exposures. *Steel and Composite Structures*, 20(5), pp.999-1022.
6. Pecce, M. and Rossi, F., 2015. The experimental behavior and simple modeling of joints in composite MRFs. *Engineering Structures*, 105, pp.249-263.
7. D'Aniello, M., GüneyCITATIONS IN ISI INDEXED JOURNALS AND PROCEEDINGS, E.M., Landolfo, R. and Mermerdaş, K., 2015. Predictive models of the flexural overstrength factor for steel thin-walled circular hollow section beams. *Thin-Walled Structures*, 94, pp.67-78.
8. Gioncu, V. and Anastasiadis, A., 2014. Plastic coupled instabilities of I-shaped steel beams. *Thin-Walled Structures*, 81, pp.67-77.

9. D'Aniello, M., GüneyCITATIONS IN ISI INDEXED JOURNALS AND PROCEEDINGS, E.M., Landolfo, R. and Mermerdaş, K., 2014. Analytical prediction of available rotation capacity of cold-formed rectangular and square hollow section beams. *Thin-Walled Structures*, 77, pp.141-152.
10. GüneyCITATIONS IN ISI INDEXED JOURNALS AND PROCEEDINGS, E.M., D'Aniello, M., Landolfo, R. and Mermerdaş, K., 2013. A novel formulation of the flexural overstrength factor for steel beams. *Journal of Constructional Steel Research*, 90, pp.60-71.

CITARI IN JURNALE SI CONFERINTE INDEXATE BDI

1. Kulkarni, A. and Gupta, L.M., 2019. Evaluation of rotation capacity of I-shaped welded steel plate girders. *Arabian Journal for Science and Engineering*, 44(5), pp.4533-4554.
2. Fu, B. and Tong, G.S., 2014. Ductility factors of I-section and section classification for aseismic design. *Engineering Mechanics*, 31(6), pp.173-182.
3. Cristutiu, I.M. and Dogariu, A.I., 2013. Local and global stability of I steel members with tapered web via advanced nonlinear analysis. In *Advanced Materials Research (Vol. 710, pp. 372-375)*. Trans Tech Publications.

CITARI IN JURNALE SI CONFERINTE NEINDEXATE

1. Pantousa, D., 2017. Behaviour of structures under fire conditions after earthquake events (Doctoral dissertation, University of Thessaly).

▪ Anthimos Anastasiadis, Marius Mosoarca, Victor Gioncu, „Prediction of available rotation capacity and ductility of wide-flange beams: Part 2: Applications”, *Journal of Constructional Steel Research* 69, pp. 176-191, doi: 10.1016/j.jcsr.2011.08.007, ISSN: 0143-974X, Ed. Elsevier, 2012;

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Kulkarni, A., & Gupta, L. M., 2019. Evaluation of rotation capacity of I-shaped welded steel plate girders. *Arabian Journal for Science and Engineering*, 44(5), pp. 4533-4554.
2. Montava, I., Irlas, R., Segura, J., Gadea, J.M. and Juliá, E., 2019. Numerical Simulation of Steel Reinforced Concrete (SRC) Joints. *Metals*, 9(2), p.131.
3. Jia, L.J., Tian, Y., Zhao, X. and Tian, S., 2019. Rotational capacity of H-shaped steel beams under cyclic pure bending. *STEEL AND COMPOSITE STRUCTURES*, 30(2), pp.123-140.
4. Zhao, X., Tian, Y., Jia, L.J. and Zhang, T., 2018. Ultra-low cycle fatigue tests of Class 1 H-shaped steel beams under cyclic pure bending. *STEEL AND COMPOSITE STRUCTURES*, 26(4), pp.439-452.
5. Araújo, M., Macedo, L. and Castro, J.M., 2017. Evaluation of the rotation capacity limits of steel members defined in EC8-3. *Journal of Constructional Steel Research*, 135, pp.11-29.
6. Pecce, M. and Rossi, F., 2015. The experimental behavior and simple modeling of joints in composite MRFs. *Engineering Structures*, 105, pp.249-263.
7. D'Aniello, M., GüneyCITATIONS IN ISI INDEXED JOURNALS AND PROCEEDINGS, E.M., Landolfo, R. and Mermerdaş, K., 2015. Predictive models of the flexural overstrength factor for steel thin-walled circular hollow section beams. *Thin-Walled Structures*, 94, pp.67-78.
8. Panjehpour, M., Abang, A., Abang, A. and Aznieta, F.N., 2014. Energy absorption of reinforced concrete deep beams strengthened with CFRP sheet. *Steel and Composite Structures*, 16(5), pp.481-489.
9. D'Aniello, M., GüneyCITATIONS IN ISI INDEXED JOURNALS AND PROCEEDINGS, E.M., Landolfo, R. and Mermerdaş, K., 2014. Analytical prediction of available rotation capacity of cold-formed rectangular and square hollow section beams. *Thin-Walled Structures*, 77, pp.141-152.
10. Shokouhian, M. and Shi, Y., 2014. Classification of I-section flexural members based on member ductility. *Journal of Constructional Steel Research*, 95, pp.198-210.
11. GüneyCITATIONS IN ISI INDEXED JOURNALS AND PROCEEDINGS, E.M., D'Aniello, M., Landolfo, R. and Mermerdaş, K., 2013. A novel formulation of the flexural overstrength factor for steel beams. *Journal of Constructional Steel Research*, 90, pp.60-71.

CITARI IN JURNALE SI CONFERINTE INDEXATE BDI

1. Kulkarni, A. and Gupta, L.M., 2019. Evaluation of rotation capacity of I-shaped welded steel plate girders. *Arabian Journal for Science and Engineering*, 44(5), pp.4533-4554.
2. Fu, B. and Tong, G.S., 2014. Ductility factors of I-section and section classification for aseismic design. *Engineering Mechanics*, 31(6), pp.173-182.
3. Shokouhian, M. and Shi, Y.J., 2014, March. New proposal for classification of steel flexural members based on member ductility. In *Structural Stability Research Council Annual Stability Conference (pp. 760-778)*.

CITARI IN JURNALE SI CONFERINTE NEINDEXATE

1. Panjehpour, M., Abang, A., Abang, A. and Aznieta, F.N., 2014. Energy absorption of reinforced concrete deep beams strengthened with CFRP sheet. *Steel and Composite Structures*, 16(5), pp.481-489.
2. Janas, P., Koubova, L. and Krejsa, M., 2016. Load carrying capacity of steel arch reinforcement taking into account the geometrical and physical nonlinearity. In *Applied Mechanics and Materials* (Vol. 821, pp. 709-716). Trans Tech Publications.
3. Shokouhian, M. and Shi, Y.J., 2014, March. New proposal for classification of steel flexural members based on member ductility. In *Structural Stability Research Council Annual Stability Conference* (pp. 760-778).
4. Pantousa, D., 2017. Behaviour of structures under fire conditions after earthquake events (Doctoral dissertation, University of Thessaly).
5. Shokouhian, M., 2014. Investigation of Ductility and Section Resistance in Hybrid Flexural Members with Q460 High Strength Steel.
6. Montava, I., Irlas, R., Segura, J., Gadea, J.M. and Juliá, E., 2019. Numerical Simulation of Steel Reinforced Concrete (SRC) Joints. *Metals*, 9(2), p.131.

- Mosoarca Marius, “Seismic behaviour of reinforced concrete shear walls with regular and staggered openings after the strong earthquakes between 2009 and 2011”, *Engineering Failure Analysis*, Volume 34, pp: 537-565, ISSN 1350-6307, DOI: 10.1016/j.engfailanal.2013.05.014, Editura Elsevier, 2013;

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Sharifi, M. and Shafieian, M., 2018. Effective stiffness of concrete shear walls based on statistical analysis. *Structural Concrete*, 19(6), pp.1560-1576.
2. Shafaei, J., Hosseini, A., Marefat, M.S. and Ingham, J.M., 2017. Rehabilitation of earthquake damaged external RC beam - column joints by joint enlargement using prestressed steel angles. *Earthquake Engineering & Structural Dynamics*, 46(2), pp.291-316.
3. Qazi, S., Michel, L., Ferrier, E. and Limam, A., 2015. Strut-and-tie model for a reinforced concrete wall strengthened with carbon fibre-reinforced polymers. *Composite Structures*, 128, pp.87-99.
4. Todut, C., Dan, D. and Stoian, V., 2014. Theoretical and experimental study on precast reinforced concrete wall panels subjected to shear force. *Engineering Structures*, 80, pp.323-338.
5. Foraboschi, P., Mercanzin, M. and Trabucco, D., 2014. Sustainable structural design of tall buildings based on embodied energy. *Energy and Buildings*, 68, pp.254-269.

CITARI IN JURNALE SI CONFERINTE INDEXATE BDI

1. Chen, Z., Xu, J., Chen, Y. and Su, Y., 2016. Seismic behavior of T-shaped steel reinforced high strength concrete short-limb shear walls under low cyclic reversed loading. *Structural Engineering and Mechanics*, 57(4), pp.681-701.
2. Todut, C., Stoian, V. and Dan, D., 2014, May. Experimental Assessment of FRP Strengthening Strategies for Precast RC Wall Panels. In the 12th International Conference on Steel, Space and Composite Structures (pp. 28-30).

CITARI IN JURNALE SI CONFERINTE NEINDEXATE

1. Hatami, S., 2015. Ultimate Behaviour of Reinforced Concrete Shear Walls with Octagonal Openings (Doctoral dissertation, Universiti Teknologi Malaysia).
2. Priya, K., Roshni, J., 2019. The effect of different opening configuration in multi-story RC building with shear wall. *International Journal of Engineering Applied Sciences and Technology*, 4(5), pp. 366-370.

- Marius Mosoarca, “Failure analysis of RC shear walls with staggered openings under seismic loads”, *Engineering Failure Analysis* Volum 41, pp: 48–64, DOI: 10.1016/j.engfailanal.2013.07.037, Ed. Elsevier, 2014;

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Husain, M., Eisa, A. S., & Hegazy, M. M., 2019. Strengthening of reinforced concrete shear walls with openings using carbon fiber-reinforced polymers. *International Journal of Advanced Structural Engineering*, 11(2), pp. 129-150.
2. Massone, L.M., Muñoz, G. and Rojas, F., 2019. Experimental and numerical cyclic response of RC walls with openings. *Engineering Structures*, 178, pp.318-330.
3. Hosseini, S. A., Kheyroddin, A., & Mastali, M., 2019. An experimental investigation into the impacts of eccentric openings on the in-plane behavior of squat RC shear walls. *Engineering Structures*, 197, 109410.

4. Yerimbetov, B. T., Chalabayev, B. M., Kunanbayeva, Y. B., Ussenkulov, Z. A., Orazbayev, Z. I., & Aldiyarov, Z. A., 2019. Seismic resistance of multi-storey reinforced concrete wall-frame structures at destructive earthquakes. *Periodicals of Engineering and Natural Sciences*, 7(4), pp. 1582-1598.
5. Zhang, J., Zheng, W., Yu, C. and Cao, W., 2018. Shaking table test of reinforced concrete coupled shear walls with single layer of web reinforcement and inclined steel bars. *Advances in Structural Engineering*, 21(15), pp.2282-2298.
6. Badarloo, B. and Jafari, F., 2018. A Numerical Study on the Effect of Position and Number of Openings on the Performance of Composite Steel Shear Walls. *Buildings*, 8(9), p.121.
7. Popescu, C., Schmidt, J.W., Goltermann, P. and Sas, G., 2017. Assessment of RC walls with cut-out openings strengthened by FRP composites using a rigid-plastic approach. *Engineering Structures*, 150, pp.585-598.
8. Popescu, C., Sas, G., Sabău, C. and Blanksvärd, T., 2016. Effect of cut-out openings on the axial strength of concrete walls. *Journal of Structural Engineering*, 142(11)
9. Chen, Z., Xu, J., Chen, Y. and Su, Y., 2016. Seismic behavior of T-shaped steel reinforced high strength concrete short-limb shear walls under low cyclic reversed loading. *Structural Engineering and Mechanics*, 57(4), pp.681-701.

CITARI IN JURNALE SI CONFERINTE INDEXATE BDI

1. Montazeri, E., Panahshahi, N. and Cross, B., 2018, April. Nonlinear Finite Element Analysis of Reinforced Concrete Shear Walls with Staggered Openings under Seismic Loads. In *Structures Congress 2018: Buildings and Disaster Management* (pp. 281-291). Reston, VA: American Society of Civil Engineers.
2. Wang, D.W., Chen, N. And Sun, P.X., 2016. Openings optimization layout of the multi-layer shear wall with small openings based on orthogonal decomposition. *Chinese Journal of Computational Mechanics*, (1), p.5.
3. Chang, P., Zhang, K., Li, Q., 2015, Influence of openings on lateral stiffness of multi-ribbed composite walls, *Huazhong Keji Daxue Xuebao (Ziran Kexue Ban)/Journal of Huazhong University of Science and Technology (Natural Science Edition)*, 43(11), pp. 127-132

CITARI IN JURNALE SI CONFERINTE NEINDEXATE

1. Yerimbetov, B. T., Chalabayev, B. M., Kunanbayeva, Y. B., Ussenkulov, Z. A., Orazbayev, Z. I., & Aldiyarov, Z. A., 2019. Seismic resistance of multi-storey reinforced concrete wall-frame structures at destructive earthquakes. *Periodicals of Engineering and Natural Sciences*, 7(4), 1582-1598.
2. Sivaguru, V., Appa Rao, G., 2019, 10th International Conference on Fracture Mechanics of Concrete and Concrete Structures (FraMCoS-X), G. Pijaudier-Cabot, P. Grassl and C. La Borderie (Eds).
3. Morsy, A., Ibrahim, Y., 2019. Parametric Study for Performance of RC Wall with Opening using Analytical FE Model. *Athens Journal of Technology and Engineering*, 6(1), pp. 31-62.
4. Husain, M., Eisa, A.S. and Hegazy, M.M., 2019. Strengthening of reinforced concrete shear walls with openings using carbon fiber-reinforced polymers. *International Journal of Advanced Structural Engineering*, pp.1-22.
5. Popescu, C., 2017. CFRP Strengthening of Cut-Out Openings in Concrete Walls—Analysis and Laboratory Tests (Doctoral dissertation, Luleå University of Technology).
6. Pejovic, J. and Jankovic, S., 2015. Seismic shear design of twenty-story RC building with ductile wall system. *Stroitel'stvo Unikal'nyh Zdanij i Sooruzenij*, (5), p.63.
7. Pejovic, J., Serdar, N. and Pejovic, R., 2015. «Performance-based» seismic methodology and its application in seismic design of reinforced concrete structures. *Stroitel'stvo Unikal'nyh Zdanij i Sooruzenij*, (5), p.75.
8. Koliji, A., Vulliet, L. and Laloui, L., 2006. Structure degradation of dry aggregated soils: experimental evidence and model formulation (No. CONF, pp. 2174-2185).

- Victor Gioncu, Marius Mosoarca, Anastasiadis Anthimos, “Local ductility of steel elements under near-field earthquake loading”, *Journal of Constructional Steel Research*, Vol. 101, pp 33–52, DOI: 10.1016/j.jcsr.2014.05.001001, ISSN: 0143-974X, Ed. Elsevier, 2014;

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Cassiano, D., D'Aniello, M. and Rebelo, C., 2018. Seismic behaviour of gravity load designed flush end-plate joints. *Steel and Composite Structures*, 26(5), pp.621-634.
2. Araújo, M., Macedo, L. and Castro, J.M., 2017. Evaluation of the rotation capacity limits of steel members defined in EC8-3. *Journal of Constructional Steel Research*, 135, pp.11-29.

CITARI IN JURNALE SI CONFERINTE NEINDEXATE

1. Fülöp, L., Jussila, V., Lund, B., Fälth, B., Voss, P., Puttonen, J., Saari, J., Heikkinen, P. and Oy, Å.C., 2016. Modelling as a tool to augment ground motion data in regions of diffuse seismicity-Progress 2015.
2. Kahrizi, E. 2016. Value of the increasing the destruction in the structural engineering by effect of the earthquake in the near fault. Scinzer Journal of Engineering, 2(4), pp. 8-15
3. Anastasiadis, A.S., Voghiatzis, T.I. and Sachpazis, C.I., 2014. Trends and needs for the prediction of the inelastic capacity of steel members considering the differences in seismic loading conditions.

- Anthimos Anastasiadis, Marius Mosoarca, Victor Gioncu, "Investigation of the cyclic inelastic capacity of steel beams through the use of the plastic collapse mechanism", Bulletin of Earthquake Engineering, DOI 10.1007/s10518-014-9665-2, Print ISSN 1570-761X, Ed. Springer, 2014.

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Reyes-Salazar, A., Saucedo-Pimentel, J.M., Ruiz, S.E., Bojórquez, E. and Bojorquez, J., 2018. Seismic response and energy dissipation of 3D complex steel buildings considering the influence of interior semi-rigid connections: low-medium-and high-rise. Bulletin of Earthquake Engineering, 16(11), pp.5557-5590.
2. Krentowski, J., Chyzy, T. and Dunaj, P., 2017. Sudden collapse of a 19th-century masonry structure during its renovation process. Engineering Failure Analysis, 82, pp.540-553.

CITARI IN JURNALE SI CONFERINTE INDEXATE BDI

1. Araújo, M., Macedo, L. and Castro, J.M., 2017. Evaluation of the rotation capacity limits of steel members defined in EC8-3. Journal of Constructional Steel Research, 135, pp.11-29.

- Keller Alexandra, Nicola Chieffo, Edmond Opritescu, Marius Mosoarca, Antonio Formisano. "Resilience of historic cities and adaptation to climate change", Urbanism. Arhitectura. Constructii, Volume: 8, Issue: 1, Pages: 15-26, ISSN: 2069-0509, eISSN: 2069-6469, 2017;

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Chieffo, N., Formisano, A. and Miguel Ferreira, T., 2019. 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, pp.1-20.

CITARI IN JURNALE SI CONFERINTE NEINDEXATE

1. Adjim, H., Djedid, A. and Hamma, W., 2018. Urbanism, Climate Change And Floods: Case Of Tlemcen City In Algeria. Urbanism. Architecture. Constructions/Urbanism. Arhitectura. Constructii, 9(1).
2. Hamma, W., 2018. Forecasting and risk management in Tlemcen: Legislation and urban master plans. Urbanism. Arhitectură. Construcții, 9(1), pp.5-22.

- Mosoarca Marius, Keller Alexandra, Petrus Cristian, Racolta Andrei "Failure analysis of historical buildings due to climate change". Engineering Failure Analysis, Volume: 82, pp. 666-680, 2017

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Hulimka, J., Kałuża, M. and Kubica, J., 2019. Failure and overhaul of a historic brick tower. Engineering Failure Analysis, 102, pp.46-59.
2. Adam, J.M. and Buitrago, M., 2018. Learning from failures in an emblematic building in Valencia, Spain. Engineering Failure Analysis, 92, pp.418-429.

CITARI IN JURNALE SI CONFERINTE NEINDEXATE

1. Cercel, P., Vorovei, C., 2019. Rehabilitation of hydrotechnical structures in the actual conditions of climate and anthropic changes. Environmental Engineering & Management Journal (EEMJ), 18(7).
2. Posani, M., Veiga, M. D. R., De Freitas, V. P., 2018. Historic buildings resilience: A view over envelope energy retrofit possibilities. 8th International Conference on Building Resilience – ICBR Lisbon'2018

- Gioncu Victor, Mosoarca Marius, „Ultimate limit state of masonry historical buildings using collapse mechanism methodology: Application for Orthodox churches, Protection of historical buildings - PROHITECH 09, vol. 1 si 2, Ed.: Mazzolani, FM, pp: 1153-1158, WOS:000280544200178, ISBN: 978-0-415-55803-7, IDS Number: BQB06, Roma, 2009;

CITARI IN JURNALE SI CONFERINTE NEINDEXATE

1. Solonaru, M., Lungu, I. and Budescu, M., 2016. Upon the stresses developed in the superstructure influenced by limited excavation and concreting works underneath an existing foundation. Buletinul Institutului Politehnic din Iasi. Sectia Constructii, Arhitectura, 62(2), p.19.

- Janos Gergely, Victor Gioncu , Marius Mosoarca, “Behaviour of steel MRFs subjected to near-fault ground motions”, Behaviour of Steel Structures in Seismic Areas, pp.129-136, Ed. F. M. Mazzolani, A. Wada, STESSA 2006, Ed. Taylor&Francis Group, ISBN: 0-415-40824-5, WOS: 000242847900018, Yokohama, Japonia, 2006;

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Gioncu, V. and Anastasiadis, A., 2014. Plastic coupled instabilities of I-shaped steel beams. Thin-Walled Structures, 81, pp.67-77.
2. Györgyi, J., 2010. Corrected ground motion functions in the case of near-fault earthquake. In The Tenth Int. Conf. on Computational Structures Technology (pp. 1-10).

- Andreescu, Ioan, Alexandra Keller, Marius Mosoarca. "Complex Assessment of Roof Structures." Procedia Engineering Volume 161, pp: 1204-1210, <http://dx.doi.org/10.1016/j.proeng.2016.08.542>, 2016.

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Faggiano, B., Marzo, A., Grippa, M.R., Iovane, G., Mazzolani, F.M. and Calicchio, D., 2018. The inventory of structural typologies of timber floor slabs and roofs in the monumental built heritage: the case of the Royal Palace of Naples. International Journal of Architectural Heritage, 12(4), pp.683-709.
2. CITARI IN JURNALE SI CONFERINTE INDEXATE BDI
3. Andreescu, I. and Keller, A.I., 2019, February. Architecture as “Gesamtkunstwerk”–The Role of the Roof in Defining Architecture in the 19th and 20th Century in Timisoara. In IOP Conference Series: Materials Science and Engineering (Vol. 471, No. 7, p. 072034). IOP Publishing.
4. Arlanova, M., Pavlov, S. and Yablonskii, L., 2018. Restoration of historical mansions built in Russian province at the beginning of XX century. In MATEC Web of Conferences (Vol. 193, p. 04016). EDP Sciences.

CITARI IN JURNALE SI CONFERINTE NEINDEXATE

1. Makutėnienė, D., Šostak, O.R. and Maceika, A., 2017. Delphi method application for the roofing projects. In Engineering Graphics BALTGRAF-14: proceedings of the fourteenth international conference, Tallinn, Estonia, June 1-2, 2017 (pp. 32-35). Tallinn University of Technology.

- Taffarel Sabrina, Marson Claudia, Valotto Claudia, Roverato Margherita, Munari Marco, da Porto Francesca, Modena Claudio, Mosoarca Marius, “Seismic vulnerability maps of Timisoara historical center based on fragility curves”. In SAHC 2016_10th International Conference on Structural Analysis of Historical Constructions. Leuven, Belgium, CRC Press, Taylor and Francis Group, 1605-1612, 2016.

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Jiménez, B., Pelà, L. and Hurtado, M., 2018. Building survey forms for heterogeneous urban areas in seismically hazardous zones. Application to the historical center of Valparaíso, Chile. International Journal of Architectural Heritage, 12(7-8), pp.1076-1111.

- **Mosoarca, Marius**, Iasmina Onescu, Eugen Onescu, Bianca Azap, Nicola Chieffo, and Mirela Szitar-Sirbu, „Seismic vulnerability assessment for the historical areas of the Timisoara city, Romania”, Engineering Failure Analysis, Volume: 101, pp. 86-112, 2019

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Kassem, M.M., Nazri, F.M. and Farsangi, E.N., 2020, February. The efficiency of an improved seismic vulnerability index under strong ground motions. In Structures (Vol. 23, pp. 366-382). Elsevier.

CITARI IN JURNALE SI CONFERINTE INDEXATE BDI

1. Chieffo, N., Formisano, A., 2020, 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, 10(1), Springer.

- **Mosoarca, Marius**; Keller, Alexandra Iasmina; Bocan, Catalina, „Failure analysis of church towers and roof structures due to high wind velocities”, Engineering Failure Analysis, Volume: 100, pp. 76-87, 2019.

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Vincenzi, L., Bassoli, E., Ponsi, F., Castagnetti, C. and Mancini, F., 2019. Dynamic monitoring and evaluation of bell ringing effects for the structural assessment of a masonry bell tower. Journal of Civil Structural Health Monitoring, 9(4), pp.439-458.

D.2. CITARI ARTICOLE BDI

- Tamas Nagy–Gyorgy, Marius Mosoarca, Valeriu Stoian, Janos Gergely, Daniel Dan, “Retrofit of Reinforced Concrete Shear Walls with CFRP Composites”, Proc. Symposium “Keep Concrete Attractive”, ISBN 963 420 838 X, Budapest, 2005;

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. del Rey Castillo, E., Dizhur, D., Griffith, M. and Ingham, J., 2019. Experimental testing and design model for bent FRP anchors exhibiting fiber rupture failure mode. *Composite Structures*, 210, pp.618-627.
2. del Rey Castillo, E., Dizhur, D., Griffith, M. and Ingham, J., 2019. Strengthening RC structures using FRP spike anchors in combination with EBR systems. *Composite Structures*, 209, pp.668-685.
3. Grelle, S.V. and Sneed, L.H., 2013. Review of anchorage systems for externally bonded FRP laminates. *International Journal of Concrete Structures and Materials*, 7(1), pp.17-33.
4. Dan, D., 2012. Experimental tests on seismically damaged composite steel concrete walls retrofitted with CFRP composites. *Engineering Structures*, 45, pp.338-348.
5. Ceroni, F., Pecce, M., Matthys, S. and Taerwe, L., 2008. Debonding strength and anchorage devices for reinforced concrete elements strengthened with FRP sheets. *Composites Part B: Engineering*, 39(3), pp.429-441.

CITARI IN JURNALE SI CONFERINTE INDEXATE BDI

1. Dan, D., Fabian, A., Stoian, V., Tamas, N.G., 2014. Retrofitting solution of steel-concrete shear walls with steel encased profiles using cfrp, *Proceedings of the 12th International Conference on Steel, Space and Composite Structures*, pp. 61-66
2. Dan, D., Fabian, A., Stoian, V. and Nagy-György, T., 2013. Experimental study on steel-concrete shear walls with steel encased profiles retrofitted with FRP composites. In *Structures and Architecture* (pp. 1519-1526). CRC Press.
3. Dan, D., Fabian, A., Stoian, V. and Nagy-György, T., 2013. Experimental study on steel-concrete shear walls with steel encased profiles retrofitted with FRP composites. In *Structures and Architecture* (pp. 1519-1526). CRC Press.
4. Grelle, S.V. and Sneed, L., 2011. An evaluation of anchorage systems for fiber - reinforced polymer (FRP) laminates bonded to reinforced concrete elements.
5. Demeter, I., Nagy-György, T., Stoian, V., Dan, D. and Descu, C., 2010. FRP composites for seismic retrofitting of RC wall panels with cut-out openings. *Structures & Architecture*, pp.541-542.
6. Ceroni, F. and Pecce, M., 2010. Evaluation of bond strength in concrete elements externally reinforced with CFRP sheets and anchoring devices. *Journal of Composites for Construction*, 14(5), pp.521-530.
7. Demeter, I., Nagy-György, T., Stoian, V., Daescu, A.C. and Dan, D., 2010. Seismic performance of precast RC wall panels with cut-out openings retrofitted by externally bonded CFRP composites. In *Proceedings 3rd fib international congress (fib 2010)*, PCI, paper (No. 593).

CITARI IN JURNALE SI CONFERINTE NEINDEXATE

1. Aules, W. A. (2019). Behavior of Non-Ductile Slender Reinforced Concrete Columns Retrofit by CFRP under Cyclic Loading. PhD thesis, Portland State University. Department of Civil & Environmental Engineering
2. Demeter, I., Nagy-György, T., Stoian, V. and Dan, D., 2008, July. Quasi-static loading strategy for earthquake simulation on precast RC shear walls. In *WSEAS International Conference. Proceedings. Mathematics and Computers in Science and Engineering* (No. 12). WSEAS.
3. Dan, D., Nagy-György, T., Stoian, V., Fabian, A. and Demeter, I., 2012. FRP Composites for Seismic Retrofitting of Steel-Concrete Shear Walls with Steel Encased Profiles. *Behaviour of Steel Structures in Seismic Areas (STESSA 2012)*, pp.1071-1076.
4. Sas, G., Demeter, I., Nagy-György, T., Stoian, V., Carolin, A. and Täljsten, B., 2008. FRP strengthened RC panels with cut-out openings. In *Challenges for Civil Construction: 16/05/2008-18/05/2008*. FEUP edições (Faculdade de Engenharia da Universidade do Porto Edicoes).
5. Demeter, I., Nagy-György, T., Stoian, V., Dăescu, C. and Dan, D., 2009, January. Precast RC Wall Panels with Cut-out Openings Retrofitted by FRP Composites. In *IABSE Symposium Report* (Vol. 96, No. 5, pp. 239-247). International Association for Bridge and Structural Engineering.
6. Qazi, S., 2013. Mechanical behavior of RC walls under seismic activity strengthened with CFRP (Doctoral dissertation, INSA de Lyon).

- Formisano, Antonio, Nicola Chieffo, and Marius Mosoarca. "Seismic vulnerability and damage speedy estimation of an urban sector within the municipality of San Potito Sannitico (Caserta, Italy)."

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Kassem, M.M., Nazri, F.M. and Farsangi, E.N., 2020, February. The efficiency of an improved seismic vulnerability index under strong ground motions. In *Structures* (Vol. 23, pp. 366-382). Elsevier.
2. Chieffo, N. and Formisano, A., 2019. 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), p.26.
3. Quagliarini, E., Lucesoli, M. and Bernardini, G., 2019. Rapid tools for assessing building heritage's seismic vulnerability: a preliminary reliability analysis. *Journal of Cultural Heritage*.
4. Chieffo, N., Formisano, A. and Miguel Ferreira, T., 2019. 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*, pp.1-20.
5. Chieffo, N. and Formisano, A., 2019. Geo-Hazard-Based Approach for the Estimation of Seismic Vulnerability and Damage Scenarios of the Old City of Senerchia (Avellino, Italy). *Geosciences*, 9(2), p.59.
6. Fumo, M., Formisano, A., Sibilio, G. and Violano, A., 2018. Energy and Seismic Recovering of Ancient Hamlets: the Case of Baia e Latina. *Sustainability*, 10(8), p.2831.

CITARI IN JURNALE SI CONFERINTE INDEXATE BDI

1. Chiumiento, G., & Formisano, A. (2019). Simplified and refined analyses for seismic investigation of historical masonry clusters: Comparison of results and influence of the structural units position. *Frontiers in Built Environment*, 5, 84.
2. Olivito, R.S., Scuro, C., Codispoti, R. and Porzio, S., A Seismic Analysis For Ancient Trentacapilli Palace With Different Schematization Methods Of Masonry Walls.
3. Milani, G., Formisano, A. and Clementi, F., 2017. Open challenges in seismic design of new structures and vulnerability reduction of existing buildings. *The Open Civil Engineering Journal*, 11(Suppl-5, M1), pp.1024-1025.

- Mosoarca Marius, Gioncu, V., „Assessment and mitigation procedures for historical buildings situated in seismic areas”, Proceedings of the International Conference on Risk Management, Assessment and Mitigation, RIMA '10, pp. 27-32; Bucuresti, 2010;

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Radoslav, R., Branea, A.M. and Găman, M.S., 2013. Rehabilitation through a holistic revitalization strategy of historical city centres–Timisoara, Romania. *Journal of cultural heritage*, 14(3), pp.e1-e6.
2. Breazu, Gheorghe, and Cristian Dumitrescu. "Fire risks in the field of architecture and urban planning design process of the civil constructions, management, evaluation and control." In Proceedings of the 3rd WSEAS international conference on Engineering mechanics, structures, engineering geology, pp. 23-38. World Scientific and Engineering Academy and Society (WSEAS), 2010.

CITARI IN JURNALE SI CONFERINTE INDEXATE BDI

1. Mircea, A.T., Crutescu, R. and Crutescu, R., 2010. Research contributions to the seismic performance of ICF technology wall systems. *WSEAS Transactions on Information Science and Applications*, 7(10), pp.1240-1250.

- Mosoarca, Marius, Iasmina Apostol, Alexandra Keller, and Antonio Formisano. "Consolidation methods of Romanian historical building with composite materials." In *Key Engineering Materials*, vol. 747, pp. 406-413. Trans Tech Publications, 2017

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Scacco, J., Ghiassi, B., Milani, G., & Lourenço, P. B., 2020. A fast modeling approach for numerical analysis of unreinforced and FRCM reinforced masonry walls under out-of-plane loading. *Composites Part B: Engineering*, 180, 107553.
2. Formisano, A., Vaiano, G., Fabbrocino, F. and Milani, G., 2018. Seismic vulnerability of Italian masonry churches: The case of the Nativity of Blessed Virgin Mary in Stellata of Bondeno. *Journal of Building Engineering*, 20, pp.179-200.

CITARI IN JURNALE SI CONFERINTE INDEXATE BDI

1. Formisano, A., Milani, G., 2019. Seismic vulnerability analysis and retrofitting of the SS. Rosario church bell tower in Finale Emilia (Modena, Italy). *Frontiers in Built Environment*, 5(70).
2. Formisano, A., Vaiano, G. and Fabbrocino, F., 2019. Seismic and energetic interventions on a typical South Italy residential building: cost analysis and tax deduction. *Frontiers in Built Environment*, 5, p.12.

- Narița, Alina-Maria, Vlad Gurza, Răzvan Oprița, Alexandra Keller, Iasmina Apostol, Marius Moșoarcă, and Cătălina Bocan. "New vulnerabilities of historic urban centers and archaeological sites: Extreme loads." Pollack Periodica 11, no. 3 (2016): 15-26.

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Quagliarini, E., Lucesoli, M. and Bernardini, G., 2019. Rapid tools for assessing building heritage's seismic vulnerability: a preliminary reliability analysis. Journal of Cultural Heritage.
2. Sabareanu, E., 2017, June. Assessment and Rehabilitation Issues Concerning Existing 70's Structural Stock. In IOP Conference Series: Materials Science and Engineering (Vol. 209, No. 1, p. 012100). IOP Publishing.

- Marius Mosoarca, Victor Gioncu, "Seismic management and damage prevention of religious buildings situated in seismic areas" din Proceedings of the International Conference of Risk Management, Assessment and Mitigation (RIMA'10)- Recent Advances in Risk Management, Assessment and Mitigation, Bucharest, Romania, 20-22 aprilie, 2010

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Breazu, G. and Dumitrescu, C., 2010, July. Fire risks in the field of architecture and urban planning design process of the civil constructions, management, evaluation and control. In Proceedings of the 3rd WSEAS international conference on Engineering mechanics, structures, engineering geology (pp. 23-38). World Scientific and Engineering Academy and Society (WSEAS).

- Mosoarca, M., Petrus, C., Stoian, V., and Anastasiadis, A., 2016. Behaviour of Masonry Infills subjected to out of Plane Seismic Actions. part 2: Experimental testing.

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Anić, F., Penava, D., Abrahamczyk, L. and Sarhosis, V., 2019. A review of experimental and analytical studies on the out-of-plane behaviour of masonry infilled frames. Bulletin of Earthquake Engineering, pp.1-56.

CITARI IN JURNALE SI CONFERINTE INDEXATE BDI

1. Da Porto, F., Verlato, N., Guidi, G. and Modena, C., 2016. The INSYSME project: Innovative construction systems for earthquake resistant masonry infill walls. Brick and Block Masonry—Trends, Innovations and Challenges; Modena, C., da Porto, F., Valluzzi, MR, Eds.

- Taffarel Sabrina, Marson Claudia, Valotto Claudia, Roverato Margherita, Munari Marco, da Porto Francesca, Modena Claudio, Mosoarca Marius, "Seismic vulnerability maps of Timisoara historical center based on fragility curves". In SAHC 2016_10th International Conference on Structural Analysis of Historical Constructions. Leuven, Belgium, CRC Press, Taylor and Francis Group, 1605-1612, 2016

CITARI IN JURNALE SI CONFERINTE INDEXATE ISI

1. Jiménez, B., Pelà, L. and Hurtado, M., 2018. Building survey forms for heterogeneous urban areas in seismically hazardous zones. Application to the historical center of Valparaíso, Chile. International Journal of Architectural Heritage, 12(7-8), pp.1076-1111.

E. PREMII

1. **Diploma de merit pentru asigurarea calitatii si sigurantei in constructii obtinuta impreuna** cu Prof. Dr. ing. V. GIONCU si firma de proiectari SC H.I. STRUCT S.R.L. eliberata de **Guvernul Romaniei in anul 2004**;
2. **CITY BUSINESS CENTRE TIMISOARA – Premiul III conferit de Asociatia Inginerilor Proiectanti de Structuri din Romania, AICPS pe anul 2008.**

F. EXPERIENTA PROFESIONALA

C.10 Monumente istorice (selectiv)

1. Expertiză și proiect de executie - Mănăstirea Sf. Gheorghe, Gătaia-monument categoria „A”,1999;
2. Expertiză tehnica Sinagoga din Cetate, Timișoara, 2002;
3. Expertiză tehnica și proiect consolidare clădiri Piața Sf. Gheorghe nr.2,3,4, 2010;
4. Expertiza tehnica si proiect restaurare restaurant SINAlA, Timisoara, 2004;

5. Expertiza tehnica si proiect de consolidare imobil S+P+2E+M str. Mocioni Timisoara, 2007;
6. Expertiza tehnica Capela Militara din Piata 700 Timisoara, 1999;
7. Expertiza tehnica turnuri apa istorice Timisoara-monumente categoria „A”, 2002;
8. Expertiza tehnica amenajare S.C. Egreta SRL Timisoara, 2004;
9. Expertiza tehnica si proiect consolidare Biserica de lemn „Cuvioasa Paraschiva”-Dobresti, jud. Timis-monument categoria „A”, 2009;
10. Expertiza tehnica si proiect pentru consolidare, conservare si refunctionalizare sala de spectacol-Sinagoga Fabric, situata pe Str.Kuna, Nr.2, Timisoara, cod TM-II-m-B-06126, 2009;
11. Expertiza tehnica si proiect translatate stavilar – Piata 700 Timisoara, 2013.

F.2 Lacase de cult – biserici

1. Biserica ortodoxă, Covaci, jud. Timiș - 1997;
2. Biserica ortodoxă, Moșnița Nouă, jud. Timiș - 1994;
3. Biserica ortodoxă, Dumbrăvița, jud. Timiș - 2000;
4. Biserica ortodoxă, Biled, jud. Timiș - 2002;
5. Manastirea Sf. Nicolae Vulcan, jud. Hunedoara - 2005.
6. Biserica Ortodoxa Ucraineana Timisoara – 2004;
7. Biserica Ortodoxa Timisoara – zona Steaua – 2006;
8. Biserica Ortodoxa Stamura Germana, Jud. Timis – 2009;

F.3 Sedii administrative (selectiv)

1. Sediul Inspectoratului de Stat in Constructii Timisoara
2. Sediul Romtelecom Ronat, P+3E, Timișoara;
3. Sediul Camera Notarilor Publici S+P+1E+M, Timișoara;
4. Universitatea Mihai Eminescu S+P+4E, Timișoara;
5. Sediul S.C. Elco S.R.L. P+2E, Timișoara;
6. Clădire birouri S.C. Timteh S.R.L. P+1E, Timișoara;
7. Clădire birouri S.C. Hidrotim S.A. P+2E, Timișoara;
8. Clădiri birouri S+P+5E+M CITY BUSINESS CENTER – P-ta 700 Timisoara, 2006-prezent;
9. Clădiri birouri 2S+P+5E+M CITY BUSINESS Cluj – Napoca, 2013-prezent;

F.4 Sedii de banci

1. Clădire BancPost - proiect infrastructură, Timișoara;

F.5 Spații de producție și birouri (selectiv)

1. Clădire birouri P+1 și hală de producție – S.C.Ecosysteme SRL, Timișoara;
2. Sediul firmă P+1 și hală de producție S.C. Cloos S.A., Timișoara;
3. Hală S.C. Rosco Textil S.A. P+E, Curtici;
4. Hală S.C. Momo România S.A., Ribița ;
5. Hală și depozite T.D.G, Curtici;
6. Birouri și hală de producție Linar, Timișoara;
7. Hala producție încălțăminte Calzaturificio Tore, Lugoj;
8. Clădire birouri și spații producție Logimaetics, Timișoara;
9. Hală producție Tioos Commerce, Dumbrăvița;
10. Hală Complex Autoservice Quark Motors, Arad;
11. Hală producție Astral, Arad;
12. Hală producție Lisa Draexelmayer, Hunedoara;
13. Hală producție conserve S. C. Rant S.A, Ploiești;
14. Hală producție Baia de Criș, S.C. Mam 2 Ro SRL, Brad;
15. Hala producție S.C.Alpin 57 Lux SRL, Alba Iulia;
16. Hala productie Coficab, Arad;
17. Hala productie ALCOA, Chisineu Cris;

F.6 Reprezentante

1. Reprezentanță Opel, Timișoara;

2. Reprezentanță BMW, Timișoara;

F.7 Complexe comerciale

1. Magazin S.C. Nova-Tim P+2E S.R.L., Timișoara;
2. Centru comercial GALERIA 1 Timișoara;

F.8 Hoteluri si pensiuni

1. Hotel Reghina Blue S+P+4E, Timișoara;
2. Hotel Athenee S+P+3E+M, Timișoara;
3. Hotel Solaris S+P+1E+M, Timișoara;
4. Hotel La Residenta S+P+1E, Timișoara;
5. Amenajare Vila Mayumi S+ P+2E, Moneasa;
6. Mansardare si extindere S.C. Tomix , Timișoara;

F.9 Expertize constructii civile si industriale (selectiv)

1. Experiză Romtelecom, Lugoj;
2. Expertiză clădire Datatim, Timișoara;
3. Expertiză și extindere sediu CFR Marfă (Cantina ELBA), Timișoara;
4. Expertiză hală producție lemn C.S.T. Fadini Rom, Topolovăț;
5. Expertiză hală producție lemn Tehnica Schweiz Impex, Voiteg;
6. Expertiza amenajare Autogară, Timișoara;
7. Extindere sediul Inspekția de Stat în Construcții –Timiș

F.10 Statii CFR

1. Amenajare clădire, Gara Petroșani;
2. Amenajare clădire, Gara Curtici;
3. Amenajare clădire, Gara Stamora Moravița;

F.11 Complexe de locuinte

1. Complex de locuințe înșiruite S. C. Ecosisteme, Timișoara
2. Complex 4 case înșiruite Ghiroda, jud. Timiș
3. Complex locuinte Alfa, Ronat, Timișoara

F.12 Locuinte

- Peste 75 proiecte case cu regim maxim de inaltime S+P+1E+M

Timisoara
16.01.2020

Prof. dr.ing. Marius MOȘOARCĂ