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## **LISTA lucrărilor științifice**

### *a) lista de lucrări științifice*

- 1. Adina Victorița Lăpuște, Bianca Marton.** The stone cantilevers rehabilitation of heritage buildings. IOP Conference Series: Materials Science and Engineering (MSE), **2022**, Volume 1242
- 2. Adina Victorița Lăpuște, Horațiu Alin Mociran.** Cost benefit analysis for finding out the optimal structural rehabilitation solution of a reinforced concrete trestle bridge. European International Journal of Science and Technology, **2021**, Vol.10, pag.13-20
- 3. Horatiu Alin Mociran, Adina Victorița Lăpuște.** Effectiveness of tuned mass dampers for improved seismic performance of dualeccentrically braced steel frames. IOP Conference Series: Materials Science and Engineering (MSE), **2020**, Volume 789
- 4. Adina Victorița Lăpuște, Horatiu Alin Mociran.** Contributions to the consolidation of wooden floors to structures with load-bearing masonry walls. IOP Conference Series: Materials Science and Engineering (MSE), **2020**, Volume 789.
- 5. Adina Victorița Lăpuște, Horatiu Alin Mociran.** Flexural Strengthening of Reinforced Concrete Elements Using External Tie-Rods. Bulletin of the Transilvania University of Brașov • Vol. 11 (60) No. 1, pag. 87-94 , **2019** , Series I: Engineering Sciences
- 6. Horatiu Alin Mociran, Adina Victorița Lăpuște.** Mitigation of Seismic Response of Dual Eccentrically Braced Steel Frames Equipped with Fluid Viscous Dampers. Bulletin of the Transilvania University of Brașov • Vol. 11 (60) No. 1, pag. 121-128 – **2019**, Series I: Engineering Sciences
- 7. Adina Lăpuște, Bianca Parv.** Contributions regarding consolidation of reinforced concrete frame structures solicited by horizontal forces. C65 International Conference "Tradition and Innovation - 65 Years of Constructions in Transilvania", Cluj-Napoca, **2018**, ISBN 978-606-737-326-4
- 8. Adina Victorița Lăpuște.** System analysis and contribution under exploitation of surface elements, Elsevier, an **2018**, Volume 22, pag. 406-412 Procedia Manufacturing.

9. **Adina Victorița Lăpuște.** Consolidarea planseului de beton armat a unei hale cu structura metalica. Studiu de caz. A 15-a Conferinta Nationala de Constructii Metalice, 16-17 Noiembrie, Iasi, **2017** ISSN 2559-0812, pag.283-288.
10. **Adina Victorița Lăpuște.** Contributions to the Theory and Practice of Rehabilitation During Exploitation of Reinforced Concrete Structures. Part I Analysis and Applications. Acta Technica Napocensis, 20, Ianuarie, **2016**, vol.59, No.2 ISBN 1221-5848.
11. **Adina Victorița Lăpuște.** Contributions to the Theory and Practice of Rehabilitation During Exploitation of Reinforced Concrete Structures. Part II –Case Study. Acta Technica Napocensis, 20, Ianuarie, **2016**, vol.59, ISSN 1221-5848.
12. **Adina Lăpuște,** Radu Hulea, Bianca Parv. Reabilitarea sub exploatare a unei structuri pe arce metalice. Studiu de caz, A 14-a Conferinta de Constructii Metalice, 19-20 Noiembrie, Cluj Napoca, **2015**, ISSN 978-973-713-334-2.
13. Alexandru Catarig, Aliz Mathe, Ilinca Moldovan, **Adina Lăpuște.** General Concepts in The Optimal Design of Structures, Acta Technica Napocensis, **2009**, vol.52, ISSN 1221-5848, pag. 49-56
14. Petru Rus, Mircea Petrina, **Adina Lăpuște.** Pursuit of Behaviour in a Period of Time of The Buildings Part of Iernut Thermal Power Station, Acta Technica Napocensis, **2008**, vol.51/II, ISSN 1221-5848, pag.257-264
15. Petru Rus, Mircea Petrina, **Adina Lăpuște.**The Expert's Appraisal of the Iernut Forced Draught Cooling Towers, Acta Technica Napocensis, **2008**, vol.51/II , ISSN 1221-5848, pag.251-256
16. Horatiu Alin Mociran, **Adina Victorița Lăpuște.** The Influence of Damping Ratios on Earthquake Response of Reinforced Concrete Frame Structures, XXIII International Scientific Conference VSU'2023, Sofia, **2023** (acceptat, in curs de publicare)

*b) teza de doctorat*

1. „Contributii la optimizarea solutiilor de consolidare sub exploatare a constructiilor de beton armat”, conducător științific : Prof.dr.ing. Mircea Petrina, **2015**

*c) cărți și capitole în cărți*

1. Mircea Petrina, Roxana Bâlc, Mihai Nedelcu, **Adina Lăpuște** și alții – Programarea calculatoarelor în construcții. Aplicații in FORTRAN, EXCEL și MATHCAD. Editura U.T.PRES, Cluj-Napoca, an 2007, ISBN 978-973-662-291-5, 194 pagini.