

Universitatea Tehnică din Cluj-Napoca
Facultatea de Construcții
Departamentul Construcții Civile și Management
Asist. dr. ing. Pleșa Luminita Monica

LISTA

lucrărilor științifice în domeniul disciplinelor din postul didactic

A – Teza de doctorat

1. „*Contribuții privind studiul micro și microscopic al unor mortare de tencuială în contextul dezvoltării durabile*”

Conducător științific : Prof.dr.ing. Daniela Lucia Manea

Universitatea Tehnică din Cluj-Napoca

Susținere publică: 27.09.2012

B – Cărți și capitole în cărți publicate

1. CĂRȚI

1. **Molnar Luminita Monica**, Daniela Lucia Manea – *Mortare speciale în contextul dezvoltării durabile* . Editura UT PRESS, loc. CLUJ-NAPOCA, an 2014, ISBN 978-973-662-962-4, nr pagini 130.
2. Alexandru Netea, Daniela Lucia Manea, Claudiu Aciu, Elena Jumate, Florin Babota, **Luminița Monica (Molnar (cas.)) Pleșa**, Răzvan Ierņuțan, *Materiale de Construcții Chimie*, Editura UT PRESS, loc. CLUJ-NAPOCA, an 2019, ISBN 978-606-737-400-1, nr pagini 313.

C – Lucrări indexate ISI/BDI publicate

c1) Articole / studii publicate în reviste de specialitate de circulație internațională recunoscute (cotate ISI)

1. Catalin, Saitis, Manea Lucia Daniela, **Pleșa Luminita Monica**, and Saitis Lavinia Raluca. 2023. "Recycling Plaster Waste as a Substitute for Aggregates in Obtaining Plastering Mortars" *Buildings* 13, no. 2: 491. <https://doi.org/10.3390/buildings13020491>; F.I.: 3.324, Q2
2. Furtos, G., **Molnar Luminita**, Silaghi-Dumitrescu L., Pascuta P., Korniejenko K., Mechanical and thermal properties of wood fiber reinforced geopolymer composites, *Journal of Natural Fibers*, 2022, <https://doi.org/10.1080/15440478.2021.1929655>, F.I.: 5.323, Q1
3. Zaharie, A., Țințișan, M.L., Siomin, AC., Manea, D.L., **Pleșa Luminita Monica** (2022). The Use of Ceramic Waste in the Construction Materials Industry Based on the Concept

of Sustainable Development. In: Moldovan, L., Gligor, A. (eds) The 15th International Conference Interdisciplinarity in Engineering. Inter-Eng 2021. Lecture Notes in Networks and Systems, vol 386. Springer, Cham. https://doi.org/10.1007/978-3-030-93817-8_18

4. Simina M., **Molnar Luminita**, Manea D., Ardelean I., Monitoring the Air Influence on Cement–Lime Mortar Hydration Using Low-Field Nuclear Magnetic Resonance Relaxometry, *Applied Magnetic Resonance*, vol. 43, no. 723, 2012, pp. 443–450, ISSN 1613-7507, <http://link.springer.com/article/10.1007%2Fs00723-012-0389-7>, F.I.: 0,83, Q3
5. **Molnar Luminita**, Manea D., Aciu C., Jumate E., Innovative Plastering Mortars Based on Recycled Waste Glass, *Procedia Technology*, Volume 19, 2015, Pages 299–306, 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014, 9-10 October 2014, Tirgu Mures, ISSN 2212-0173, <http://www.sciencedirect.com/science/article/pii/S2212017315000444>
6. Jumate E., Manea D., Aciu C., **Molnar L.**, Fechete R., Innovative Materials Made by Adding Cellulose Ethers to Cement Mortars, *Procedia Technology*, Volume 19, 2015, Pages 291–298, 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014, 9-10 October 2014, Tirgu Mures, ISSN 2212-0173, <http://www.sciencedirect.com/science/article/pii/S2212017315000432>,
7. Aciu C., Manea D., **Molnar L.**, Jumate E., Recycling of Polystyrene Waste in the Composition of Ecological Mortars, *Procedia Technology*, Volume 19, 2015, Pages 498–505, 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014, 9-10 October 2014, Tirgu Mures, ISSN 2212-0173, <https://doi.org/10.1016/j.protcy.2015.02.071>
8. **Molnar L.**, Manea D., New Types of Plastering Mortars Based on Marble Powder Slime, *Procedia Technology*, Volume 22, 2016, Pages 251–258, 9th International Conference Interdisciplinarity in Engineering, INTER-ENG 2015, 8-9 October 2015, Tirgu Mures, ISSN 2212-0173, <http://www.sciencedirect.com/science/article/pii/S2212017316000773>
9. Raluca Fernea Istoan, Daniela Lucia Manea, **Luminita Monica Molnar (Cas. Plesa)**, Răzvan Iernuțan, Mihaela Dumitran, Acoustic and thermal properties of hemp-cement building materials, 12th International Conference Interdisciplinarity in Engineering, *Procedia Manufacturing* 32 (2019) 208–215, <https://doi.org/10.1016/j.promfg.2019.02.204>
10. Raluca Fernea Istoan, Daniela Roxana Tamas Gavrea, Daniela Lucia Manea, **Luminita Monica Molnar**, Constantin Munteanu, Ancuța -Elena Tiuc, The influence of the binder and volcanic rocks in natural-organic building materials, *Procedia Manufacturing* 22, Volume 22, 2018, Pages 364–371, <https://doi.org/10.1016/j.promfg.2018.03.055>
11. Denes Orsolya, **Plesa Luminita**, Manea Daniela Lucia, Ecological thermal insulation materials based on sheep wool, *Journal MODERN TECHNOLOGIES FOR THE 3RD*

MILLENNIUM, CT 17th International Technical-Scientific Conference on Modern, Technologies for the 3rd Millennium, MAR 22-23, 2018, Oradea, ROMANIA

- 12. Luminița Monica Molnar**, Daniela Lucia Manea, Nicolae Har, The study of the hydration process of cement by optical microscopy and x-ray diffraction, International Journal of Modern Manufacturing Technologies, New Face of TMCR, 25-27 May 2011, Vadul lui Voda – Chisinău, Republic of Moldova, Pag. 717-720, ISSN 2069-6736

c2) Studii publicate la conferințe indexate în baze de date internaționale de referință în domeniul (DBLP, ACM, IEEE, SCOPUS, INDEXCOPERNICUS)¹

1. Iernutan Razvan Andrei, **Plesa Luminita Monica** (2023). Assessment of the Safety Level for a Structural Wall Belonging to a Building with an ACC Masonry Structure Confined by Dispersed Reinforced Concrete Columns. In: Moldovan, L., Gligor, A. (eds) The 16th International Conference Interdisciplinarity in Engineering. Inter-Eng 2022. *Lecture Notes in Networks and Systems*, vol 605. Springer, Cham. https://doi.org/10.1007/978-3-031-22375-4_22.
2. Raluca ISTOAN, Lucia Daniela MANEA, **PLESA Luminita**, ML TINTISAN, *Increasing the sustainability of construction sector by developing new products based on biomass and renewable polymers-bibliometric analysis*, IOP Conference Series: Materials Science and Engineering, Volume 1251, Issue 1, Pages 012005, Publisher: IOP Publishing, <https://www.proquest.com/docview/2701571467?pq-origsite=gscholar&fromopenview=true>
3. **Plesa Luminita**, LD Manea, R Istoan, *Recycling plastic wastes in order to obtain new building materials*, Journal, IOP Conference Series: Materials Science and Engineering, Volume 1251, Issue 1, Pages 012013, Publisher IOP Publishing, <https://www.proquest.com/docview/2701571447?pq-origsite=gscholar&fromopenview=true>
4. Zaharie, A., Tintisan, M. L., Siomin, A. C., Manea, D. L., & Pleșa, M.L. (2022). Cement materials obtained by partial replacement of cement powder with brick powder. IOP Conference Series. Materials Science and Engineering, 1242(1), 012043. doi:<https://doi.org/10.1088/1757-899X/1242/1/012043>
5. Orsolya Denes, **Luminita Monica Molnar (cas. Plesa)**, Daniela Lucia Manea, Innovative thermal insulation materials based on sheep wool, *Buletin of the Transylvania University of Brasov*, Vol. 10, nr. 59, p. 49, 2017, ISSN 2065-2127(CD-ROM)
6. **MOLNAR Luminița-Monica**, MANEA Daniela-Lucia, ACIU Claudiu, Use of waste colored glass in the construction material industry – *Analele universității din Oradea, Fascicula Construcții Și Instalații Hidroedilitare*, Vol. XIII-2, Supliment 1, Conferința

¹ indexate în:

[IEEE] - IEEE Xplore (<http://ieeexplore.ieee.org/Xplore/guesthome.jsp>)

[ACM] - ACM portal (<http://portal.acm.org>)

[DBLP] - (<http://www.informatik.uni-trier.de>)

[SCOPUS] - (<http://www.scopus.com>)

Națională Tehnico-științifică (cu participare internațională) “Tehnologii Moderne pentru Mileniul III” 5–6 noiembrie 2010, Oradea, pag. (289 – 294), ISSN 1454 – 4067

7. **Luminița Monica MOLNAR**, Daniela Lucia MANEA, Claudiu ACIU, The study of hydration processes of cement based on latest generation methods – *International scientific conference Civil Engineering and Urbanism “CIBv 2010”*, 12–13 November 2010, Brasov, pag. (215 – 220), ISSN 1843 – 6617.
8. **Luminița Monica MOLNAR**, Daniela Lucia MANEA, The pathology of wet buildings, *Analele Universității din Oradea Fascicula " Construcții și Instalații Hidroedilitare"*, *Journal of Applied Engineering Sciences*, ISSN 1454-4067, Editura Universității din Oradea;
9. **Luminița Monica Molnar**, Daniela Lucia Manea, The mechanical and chemical methods and processes of moisture measurements, *Scientific Bulletin Series D : Mining, Mineral Processing, Non-Ferrous Metallurgy, Geology and Environmental Engineering; Baia Mare Vol. 25, Iss. 1, (2011): 175-182*. Database ProQuest Central, <https://www.proquest.com/docview/1016293103/citation/B747AE23A49649E6PQ/1?accountid=87692>
10. Raluca Fernea Istoan, Daniela Lucia Manea, Daniela Roxana Tamas Gavrea, **Luminița Monica Molnar**, Evaluation of a new lightweight insulation material prepared by HEMP shives, *Buletin of the POLYTECHNIC Institute of Iasi – Construction & Architecture Section*, 2017, Vol 67, issue 3, p 45-53, ISSN 1224-3884
11. Răzvan Andrei IERNUTAN, **Luminița Monica PLEȘA**, Fixings that Ensure the Free Movement of the Structure for Resistance in Relation to Non-Structural Walls, *The Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Metallurgy and Materials Science no. 1:2023; ISSN:2668-4748 (print), 2668-4756 (online)* <https://journals.indexcopernicus.com/search/article?articleId=3601763>

D – Lucrări publicate în reviste și volume de conferințe

1. **Luminița Monica Molnar**, Raluca Claudia Craciun, Avram Raul Benjamin, Daniela Lucia Manea, Ligia Mihaela Moga, *A comparative study of energy performance of CLT buildings with different insulation methods*, CRRB – 24th International Conference on Rehabilitation and Reconstruction of Buildings, Brno, Cehia, 10-11 Noiembrie 2022, ISBN 978-80-7623-098-9
2. Claudiu Aciu, Daniela Lucia Manea, Elena Jumate, Florin Babota, Răzvan Ierņuțan, **Luminița Pleșa**, *Recycling of some waste materials in the composition of ecological mortars*, *Proceedings of C65 International Conference – Traditions and Innovation – 65 Years of Construction in Transilvania*, Editura U.T. PRESS, ISBN 978-606-737-326-4, pg. 61-62, 2018
3. Răzvan Ierņuțan, Daniela Lucia Manea, Claudiu Aciu, Elena Jumate, Florin Babota, **Luminița Pleșa**, *Specific deformation relationship for AAC masonry and AAC confined masonry with disperse reinforced concrete pylons – Comparative stress*, *Proceedings*

of C65 International Conference – Traditins and Innovation – 65 Years of Construction in Transilvania, Editura U.T. PRESS, ISBN 978-606-737-326-4, pg. 65-66, 2018

4. Elena Jumate, Daniela Lucia Manea, Claudiu Aciu, Florin Babota, Răzvan Ierņuan, **Luminița Pleșa**, *The effects of powdered polymers in Portland cement based mortars by NMR*, Proceedings of C65 International Conference – Traditins and Innovation – 65 Years of Construction in Transilvania, Editura U.T. PRESS, ISBN 978-606-737-326-4, pg. 71-72, 2018
5. Raluca Iștoan, Daniela Lucia Manea, Roxana - Daniela Gavrea Tămaș, **Luminița Pleșa**, Claudiu Aciu, *Physical and mechanical characteristics of the building materials based on hemp*, Proceedings of C65 International Conference – Traditins and Innovation – 65 Years of Construction in Transilvania, Editura U.T. PRESS, ISBN 978-606-737-326-4, pg. 73-74, 2018
6. **Luminița Monica Molnar**, Daniela Lucia Manea, *Studies on plastering mortars prepared with recycled colored glass*, 2Nd WTA - International PhD symposium, Brno, Cehia, 6-7 Octombrie 2011, Building Materials and Building Technology to Preserve the Built Heritage, Vol. 2 , part 2, ISSN 0947-6830, Pag. 98-106
7. Daniela Lucia Manea, **Luminița Monica Molnar**, *Analysis of the cement type influence on plastering mortars*, Proceedings 11th International Scientific Conference, VSU - 2-3 iunie 2011, Sofia, Bulgaria Vol. II, ISSN 1314-071X +
8. **Luminița Monica Molnar**, Daniela Lucia Manea, Use of waste colored glass in the construction material industry, *Journal of Applied Engineering Sciences (JAES) VOLUME 13, ISSUE 1, PAGES 289-294*, Editura Universității din Oradea
9. Maier A., **Molnar Luminita Monica**, Stanca Simona, Challenges regarding sustainable development from building materials perspective, *38th IBIMA Conference, 2021*, Seville, Spania, <https://ibima.org/accepted-paper/challenges-regarding-sustainable-development-from-building-materials-perspective/>
10. **Luminița Monica Molnar**, Daniela Lucia Manea, Claudiu Aciu, Florin Babotă, Răzvan Ierņuan, Macroscopic properties of plastering mortars containing glass waste, C60 International conference, Tradition and Innovation- 60 years of Civil Engineering Higher Education in Transilvania, 7-9 November 2013, Cluj-Napoca, România, pg. 193-194
11. Daniela Lucia Manea, **Luminița Monica Molnar**, Claudiu Aciu, Florin Babotă, Răzvan Ierņuan, Lavinia Muntean, Elena Jumate, New Building materials produced by team of building materials in faculty of civil Engineering, *C60 International conference, Tradition and Innovation- 60 years of Civil Engineering Higher Education in Transilvania*, 7-9 November 2013, Cluj-Napoca, România, pg 175-176
12. Claudiu Aciu, Daniela Lucia Manea, **Luminița Monica Molnar**, Florin Babotă, Răzvan Ierņuan, Ecology and environmental protection in the building materials, C60

International conference, Tradition and Innovation- 60 years of Civil Engineering Higher Education in Transilvania, 7-9 November 2013, Cluj-Napoca, România, pg. 163-164

13. Răzvan Ierņuțan, Daniela Lucia Manea, Claudiu Aciu, Florin Babotă, **Luminița Monica Molnar**, Composite materials – Composite material reinforcements, reinforcement systems, C60 International conference, Tradition and Innovation- 60 years of Civil Engineering Higher Education in Transilvania, 7-9 November 2013, Cluj-Napoca, România
14. Florin Babotă, Daniela Lucia Manea, Claudiu Aciu, Răzvan Ierņuțan, **Luminița Monica Molnar**, Shading – The way for solar control and reduction of heat gain in buildings, C60 International conference, Tradition and Innovation- 60 years of Civil Engineering Higher Education in Transilvania, 7-9 November 2013, Cluj-Napoca, România
15. Răzvan Ierņuțan, Elena Jumate, **Luminița Monica Molnar**, *Closing and division walls in buildings situated in seismic areas*, First International Conference for PhD students in Civil Engineering , CE-PhD 2012, 4-7 November 2012, Cluj-NAPOCA, Romania

Data:
18.05.2023

Semnătura:

A black rectangular box redacting the signature, with a small blue mark above it.