

ACADEMIC PUBLICATIONS

A. Ph. D Thesis

„Premises for the development of tall buildings in Romania”

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B. Books and chapters in books

Moldovan MS, Moldovan IM, **Moldovan SV** – *Clădiri înalte. Evoluție. Implementare. (Tall Buildings, Evolution, Implementation)*, UTPRESS, Cluj-Napoca, 2012, 470p.

C. Indexed scientific papers ISI / BDI

C1. Papers / studies in internationally renowned publications (ISI and ISI Proceedings)

1. Moldovan IM, **Moldovan SV**, Ilieș NM - *Invisible architecture – Sustainable underground architecture*, International Multidisciplinary Scientific GeoConference-SGEM, Nano, Bio and Green - Technologies for a Sustainable Future Conference Proceedings, SGEM 2016, VOL III, 2016, p.555-560, ISSN: 1314-2704
2. Moldovan IM, **Moldovan SV**, Ilieș NM - *Suburbia – From transition architecture to contemporary residential developments in Romania*, International Multidisciplinary Scientific GeoConference-SGEM, Nano, Bio and Green - Technologies for a Sustainable Future Conference Proceedings, SGEM 2016, VOL III, 2016, p.639-646, ISSN: 1314-2704
3. Moldovan IM, **Moldovan SV**, Ilieș NM - *Rural Romanian housing degradation – effect of land restitution and unemployment rates*, Agriculture and Agricultural Science Procedia - 5th International Conference - Agriculture for Life, Life for Agriculture, 2016, p.438-443, ISSN: 2210-7843
4. Moldovan IM, Ilieș NM, **Moldovan SV** - *The reinvention of the traditional home “bordei” and its impact on the rural landscape and environment*, Agriculture and Agricultural Science Procedia - Conference Agriculture for Life, Life for Agriculture, 2015, p.479-485, ISSN: 2210-7843
5. Moldovan IM, **Moldovan SV**, Ilieș NM - *Towards sustainable architecture: Underground and semi-buried houses versus conventional houses*, International Multidisciplinary Scientific GeoConference-SGEM - Nano, Bio and Green - Technologies for a Sustainable Future, Vol II (SGEM 2015), p.607-613, ISSN: 1314-2704

6. Moldovan IM, **Moldovan SV**, Ilieș NM – *Earth-sheltered and underground homes as alternatives for the unfortunate post-communist residential developments*, International Multidisciplinary Scientific GeoConference-SGEM - Nano, Bio and Green - Technologies for a Sustainable Future, Vol II (SGEM 2015), p.421-428, ISSN: 1314-2704

7. Ilieș NM, Moldovan IM, **Moldovan SV** -*Improving the stability of slopes with the aid of underground houses*. Procedia Technology - 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014. p.363-370, ISSN: 2212-0173

8. Moldovan IM, **Moldovan SV**, *Structural systems influence the aesthetics of skyscrapers*, Journal of Applied Engineering Sciences, University of Oradea Publishing House, Volume 1 (14), Issue 4/2011 Oradea, ROMANIA, p.117-122, ISSN 2247 – 3769

C2. Studies published in conferences indexed in reference international data bases for Civil Engineering, Architecture and Urban Planning

1. Ilieș NM, Moldovan IM, **Moldovan SV** - *Geotechnical behaviour of underground house models*, Proceedings of the XVII European Conference on Soil Mechanics and Geotechnical Engineering, 1-6 September 2019, Reykjavik, Iceland [SCOPUS], [GoogleScholar]

2. Moldovan IM, **Moldovan SV**, Ilieș NM, Berindean AD – *Vernacular underground homes as source of inspiration for contemporary residential green design* - SGEM VIENNA GREEN 2018 SESSIONS, 3-6 decembrie 2018, [SCOPUS]

3. Ilieș NM, Moldovan IM, **Moldovan SV** - *Geotechnical and thermal aspects for underground houses on sliding slopes*, Proceedings of the XVI ECSMGE, 13-17 September, 2015, Edinburg, UK, Geotechnical Engineering for Infrastructure and Development / publicat in Géotechnique - Slopes and Geohazards [SCOPUS], [GoogleScholar]

4. Moldovan IM, **Moldovan SV** - *The new urban pandemic: I.B.S or The Irritable Bilbao Syndrome*, Proceeding of Questions? Continuity and discontinuity in urban space, 3rd International Workshop 2014, July 8-9, 2014, Faculty of Architecture and Urban Planning, Technical University of Cluj-Napoca, Special Issue of Acta Technica Napocensis Vol.57. No. 3 (2014), december, 2014, Cluj-Napoca, pag. 181-188, ISSN 1221-5848 [Copernicus], [getCITED], [Electronic Journals Library] [DOAJ], [EBSCO]

5. **Moldovan SV**, Moldovan IM - *The role of green spaces in high density cities*, Proceeding of Questions? Continuity and discontinuity in urban space, 3rd International Workshop 2014, July 8-9, 2014, Faculty of Architecture and Urban Planning, Technical University of Cluj-Napoca, Special Issue of Acta Technica Napocensis Vol.57. No. 3 (2014), december, 2014, Cluj-Napoca, pag. 62-68, ISSN 1221-5848 [Copernicus], [getCITED], [Electronic Journals Library] [DOAJ], [EBSCO]

6. **Moldovan SV** - *Megacities - the next age of skyscrapers - from utopias to reality / Questions? Expressions - Behaviours – Communities*, 2nd International Workshop 2013, Faculty of Architecture and Urban Planning, Technical University of Cluj-Napoca, Special Issue of Acta Technica Napocensis Vol.56. No. 3 (2013), december, 2013, Cluj-Napoca, pag. 170-175, ISSN 1221-5848 [Copernicus], [getCITED], [Electronic Journals Library] [DOAJ], [EBSCO]

7. **Moldovan SV**, Moldovan MS, Moldovan IM - *Should our Romanian towns be painted in more vivid colours in the contemporary context?*, Proceedings of the National Technical Scientific Conference (International participation) "Modern Technologies for the 3rd Millenium", the 8th edition, 5-6.11.2010, Analele Universității din Oradea, Fascicula Construcții și Instalații Hidroedilitare, vol. 13, no. 2, Editura Universitatii din Oradea, november, 2010, Oradea, pag. 281-289, ISSN 1454 - 4067 [Copernicus]

8. Moldovan IM, Moldovan MS, **Moldovan SV** - *Suburban fantasy*, Analele Universității din Oradea, Fascicula Construcții și Instalații Hidroedilitare, vol. 13, no. 1, Editura Universității din Oradea, July, 2010, Oradea, pag. 105-110, ISSN 1454 – 4067 [Copernicus]

9. Mureșanu IM, **Moldovan SV** - *Architectural sculptures by the instrumentality of the computer*, Proceedings of „ICEGD 2009 – The 3rd International Conference on Engineering Graphics and Design”, Universitatea Tehnică din Cluj-Napoca, publicat in Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, 2009, Cluj-Napoca, p.193-198, ISSN 1221-5872 [Copernicus]

10. **Moldovan SV**, Mureșanu IM - *Drawing buildings with technology*, Proceedings of „ICEGD 2009 – The 3rd International Conference on Engineering Graphics and Design”, Universitatea Tehnică din Cluj-Napoca, publicat in Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, 2009, Cluj-Napoca, p.181-184 ISSN 1221-5872 [Copernicus]


D. Peer reviewed papers in publications and conference proceedings (not indexed)

D1. Papers in conference proceedings

1. Moldovan IM, **Moldovan SV**, Ilieș NM - *Iconic Architecture: Skyscrapers*, 5th International Conference „Civil Engineering – Science and Practice” 17-21 februarie 2014, Zabljak, Muntenegru, p.1461-1468, ISBN: 978-86-82707-23-3

2. Moldovan IM, **Moldovan SV** - *Contemporary Utopias – Vertical Communities*, PROCEEDINGS of C60 International Conference “Tradition and Innovation – 60 Years of Constructions in Transilvania” 7–9 November 2013, Cluj-Napoca, p. 277- 278, ISSN 978-973-662-903-7

- 3. Moldovan SV - Concrete - From Structure to Finishing** PROCEEDINGS of C60 International Conference "Tradition and Innovation – 60 Years of Constructions in Transilvania" 7–9 November 2013, Cluj-Napoca, p.277-278, ISSN 978-973-662-903-7
- 4. Moldovan SV, Moldovan IM - Skyscrapers, Still the Trend in the Future** *Architecture and Urban Development of Major Cities*, Proceedings of the National Technical Scientific Conference (International participation) Modern Technologies for the 3rd Millenium - The 9th edition - 11–13 April 2013, Oradea – Romania, Editura Universității din Oradea, 2013, p.43-55, ISSN 978-606-10-1035-6
- 5. Moldovan IM, Moldovan SV - Underground Habitat. Traditional typology** Proceedings of the National Technical Scientific Conference (International participation) Modern Technologies for the 3rd Millenium - The 9th edition - 11– 13 April 2013, Oradea – Romania, Editura Universității din Oradea, 2013, p.19-30, ISSN 978-606-10-1035-6
- 6. Moldovan IM, Moldovan SV - Mega-structures, Super Tall Buildings, Ultra Highrise Buildings**, 4th International Conference „Civil Engineering – Science and Practice” 20-24 februarie 2012, Zabljak, Muntenegru, p.939-946, ISSN 2069-8003
- 7. Moldovan IM, Moldovan MS, Moldovan SV – Vertical City**, “11th International Scientific Conference VSU'2011” - Higher School of Civil Engineering (VSU) “Lyuben Karavelov”, Sofia, Bulgaria, p.151-156, ISSN 1314-071X
- 8. Moldovan IM, Moldovan SV - The World of Skyscrapers**, International Conference DEDUCON „Dezvoltarea durabila in constructii” 2011, 11.11.2011, Facultatea de Constructii si Instalatii din Iasi, p.61-67, ISSN 2248-0293
- 9. Moldovan IM, Moldovan MS, Moldovan SV - The Villafication of Towns**, “10th International Scientific Conference VSU'2010” - Higher School of Civil Engineering (VSU) “Lyuben Karavelov”, Sofia, Bulgaria, p.92-97, ISSN 1314- 071X
- 10. Moldovan SV, Moldovan IM, Moldovan MS – The History of Romanian Tall Buildings**, “10th International Scientific Conference VSU'2010” - Higher School of Civil Engineering (VSU) “Lyuben Karavelov” – Sofia, p.151-156, ISSN 1314-071X
- 11. Mutică P, Moldovan SV, Moldovan IM - Advanced 3D Modeling in ArchiCAD. Basic GDL scripting**, International Symposium Computational Civil Engineering 2010, Facultatea de Construcții și Instalații din Iași, Romania, p.346-357, ISSN 978-973-8955-87-5
- 12. Moldovan SV, Mutica P, Moldovan IM - CAD Software as a Tool in Design**, International Symposium Computational Civil Engineering 2010, Facultatea de Construcții și Instalații din Iași, Romania, p.406-412, ISSN 978-973-8955-87-5
- 13. Mureșanu IM, Moldovan SV, Moldovan MS - Sky is the limit**, Design and Construction of Safe and Sustainable Highrise Structures, International Conference, Technische Universität München “Highrise towers and Tall Buildings” München, Germania, p.132-133



14. Moldovan SV, Mureșanu IM - *Tall Buildings in Romania*, Design and Construction of Safe and Sustainable Highrise Structures International Conference, Technische Universität München "Highrise towers and Tall Buildings", München, Germania, p.170-171

15. Mureșanu IM, Mureșanu FA, **Moldovan SV** - *Underground city*, Proceedings of the National Technical Scientific Conference (International participation) Modern Technologies for the 3rd Millenium - The 7th edition, 2009, Universitatea din Oradea, Facultatea de Arhitectura si Construcții, p.213-220, ISSN 1454-4067

16. Moldovan SV, Mureșanu IM - *Era shopping mall-urilor*, Conferința științifică internațională „Dimensiunea europeană în cercetarea științifică pluridisciplinară" in cadrul Zilelor Academice Aradene 2009, Universitatea de Vest „Vasile Goldiș” din Arad, p.212-220, ISSN 1842-0508

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