

Lista de lucrări publicate de Vîlceanu Clara – Beatrice sub afiliere UPT în intervalul 2011-2021

I. Web of Science indexed articles

- 1) *Durable Solutions for Precision Agriculture in Romania*, Autori: Morarescu, Anca; Herban, Sorin; **Vilceanu, Clara-Beatrice**; et al. Conference: International Conference on Numerical Analysis and Applied Mathematics (ICNAAM) Location: Rhodes, Greece, Date: Sep 23-28, 2019, Sponsor(s): European Soc Computat Methods Sci & Engn, International Conference on Numerical Analysis and Applied Mathematics ICNAAM 2019, Book Series: IP Conference Proceedings, Volume: 2293, Article Number: 350006, DOI: 10.1063/5.0026421, Published: 2020.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000636709500023>

- 2) *3D Modelling of Cultural Heritage Objective in Timisoara using precise LiDAR*, Autori: Alionescu, Adrian; Herban, Sorin; **Vilceanu, Clara-Beatrice**, Conference: International Conference on Numerical Analysis and Applied Mathematics (ICNAAM) Location: Rhodes, Greece, Date: Sep 13-18, 2018, Sponsor(s): European Soc Computat Methods Sci & Engn, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM-2018), Book Series: AIP Conference Proceedings, Volume: 2116, Article Number: 370002, DOI: 10.1063/1.5114375, Published: 2019.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000521108600362>

- 3) *Spatial Data Geoportal for Local Administration - Solution for Smart Cities*, Autori: Moscovici, A-M; **Vilceanu, C. B.**; Grecea, C.; et al., Journal of Environmental Protection and Ecology, Volume: 20, Issue: 3, Pages: 1374-1383, Accession Number: WOS:000497992700034, Published: 2019.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000497992700034>

- 4) *Heritage Studies in Spatial Planning; Development and Environmental Policies*, Autori: **Vilceanu, C. B.**; Alionescu, A.; Grecea, C.; et al., Conference: 18th International Technical-Scientific Conference on Modern Technologies for the 3rd Millennium Location: Oradea, Romania Date: Apr 04-05, 2019, Modern Technologies for the 3rd Millennium, Pages: 79-84, Accession Number: WOS:000617030100014, Published: 2019.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000617030100014>

- 5) *Structure settlements analysis highlighted by topographic and geotechnical studies*, Autori: **Vilceanu, C. B.**; Alionescu, A.; Herban, S., Conference: 17th International Technical-Scientific Conference on Modern Technologies for the 3rd Millennium Location: Oradea, ROMANIA Date: MAR 22-23, 2018, Modern Technologies for the 3rd Millennium, Pages: 123-128, WOS:000491484600022, Published: 2018.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000491484600022>

- 6) *Opportunities and Challenges in Higher Education System: Knowledge Transfer by e-Learning vs. Traditional Methods*, Autori: **Vilceanu, Clara-Beatrice**; Grecea, Carmen; Herban, Sorin, Conference: 14th International Scientific Conference on eLearning and Software for Education - eLearning Challenges and New Horizons Location: Bucharest, Romania, Date: Apr 19-20, 2018, Sponsor(s): Romanian Adv Distributed Learning Assoc; Univ Natl Aparare Carol I; European Secur & Def Coll; Romania Partnership Ctr, Elearning Challenges and New Horizons, Vol 4, Book Series: eLearning and Software for Education, Pages: 253-258, DOI: 10.12753/2066-026X-18-250, Published: 2018.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000468620000036>

- 7) *Cultural Heritage Modeling Potential Highlighted by e-Learning Resources*, Autori: **Vilceanu, Clara-Beatrice**; Herban, Sorin; Banescu, Oana Andreea, Conference: 14th International Scientific Conference on eLearning and Software for Education - eLearning Challenges and New Horizons Location: Bucharest, Romania, Date: Apr 19-20, 2018, Sponsor(s): Romanian Adv Distributed Learning Assoc; Univ Natl Aparare Carol I; European Secur & Def Coll; Romania Partnership Ctr, Elearning Challenges and New Horizons, Vol 4, Book Series: eLearning and Software for Education, Pages: 476-483, DOI: 10.12753/2066-026X-18-282, Published: 2018.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000468620000068>

- 8) *Using LiDAR for Urban Green Space Monitoring*, Autori: **Vilceanu, Clara-Beatrice**; Herban, Sorin; Meng, Qingyan; et al., Conference: International Conference of Numerical Analysis and Applied Mathematics (ICNAAM) Location: Thessaloniki, Greece, Date: Sep 25-30, 2017, International Conference of Numerical Analysis and Applied Mathematics (ICNAAM 2017), Book Series: AIP Conference Proceedings, Volume: 1978, Article Number: 390010, DOI: 10.1063/1.5043994, Published: 2018.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000445105400313>

- 9) *Road-Structure Monitoring with Modern Geodetic Technologies*, Autori: Herban, Ioan Sorin; **Vilceanu, Clara-Beatrice**; Grecea, Carmen, Journal of Surveying Engineering, Volume 143, Issue: 4, Article Number: 05017004, DOI: 10.1061/(ASCE)SU.1943-5428.0000218, Published: NOV 2017.
- <https://www.webofscience.com/wos/woscc/full-record/WOS:000416492300001>
- 10) *Time Structural Behaviour of Buildings Monitored by Topographic Technologies*, Autori: **Vilceanu, C. B.**; Herban, S.; Musat, C., Conference: 16th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium Location: Oradea, Romania, Date: Mar 23-24, 2017, Modern Technologies for the 3rd Millennium, Pages: 99-104, Accession Number: WOS:000413420300017, Published: 2017.
- <https://www.webofscience.com/wos/woscc/full-record/WOS:000413420300017>
- 11) *Relevancy of Mathematical Support for Geophysics Determinations*, Autori: **Vilceanu, Clara-Beatrice**; Grecea, Carmen; Musat, Cosmin, Conference: International Conference on Numerical Analysis and Applied Mathematics (ICNAAM) Location: Rhodes, Greece, Date: Sep 19-25, 2016, Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2016 (ICNAAM-2016), Book Series: AIP Conference Proceedings, Volume: 1863, Article Number: 430008, DOI: 10.1063/1.4992604, Published: 2017.
- <https://www.webofscience.com/wos/woscc/full-record/WOS:000410159800423>
- 12) *Geodetic studies with significant contribution to landslide monitoring in south-western Romania - Area with high risk potential*, Autori: **Vilceanu, CB**; Herban, IS and Grecea, C, Nov 2016, Tehnicki Vjesnik-Technical Gazette 23 (6), pp.1623-1630, DOI: 10.17559/TV-20140304224522, Published: 2016.
- <https://www.webofscience.com/wos/woscc/full-record/WOS:000388945600011>
- 13) *WebGIS Solution for Urban Planning Strategies*, Autori: Grecea, C; Herban, S and **Vilceanu, CB**, World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS) 2016, Vol. 161, pp.1625-1630, DOI: 10.1016/j.proeng.2016.08.637, Published: 2016.
- <https://www.webofscience.com/wos/woscc/full-record/WOS:000387566500251>
- 14) *Targeting Displacements' Monitoring of Constructions through Mathematical Methods*, Autori: Tesila, R; Rusu, G; **Vilceanu, B**; Alionescu, A, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM)2016 | Proceedings of the

International Conference on Numerical Analysis and Applied Mathematics 2015 (ICNAAM-2015), Vol. 1738, DOI: 10.1063/1.4952133, Published: 2016.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000380803300360>

- 15) *Using Open Source GIS for the Management of the Administrative Territorial Unit*, Autori: **Vilceanu, CB**; Herban, S and Alionescu, A, 15th National Technical-Scientific Conference on Modern Technologies for the 3rd Millennium, 2016, pp.73-78, Accession NumberWOS:000378314000013, Published: 2016.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000378314000013>

- 16) *3D Model Tools for Architecture and Archaeology Reconstruction*, Autori: Vlad, I; Herban, IS; Stoian, M.; **Vilceanu, CB**, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), 2016 | Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2015, Vol: 1738, DOI: 10.1063/1.4952128, Published: 2016.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000380803300355>

- 17) *Mathematic Interpolation Methods - Support for an Efficient 3D Modeling of Landslides in the Context of Displacements Monitoring*, Autori: Alionescu, A; Herban, IS; **Vilceanu, CB**; Musat, CC, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM) 2015 | Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2014, Vol: 1648, DOI: 10.1063/1.4912897, Published: 2015.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000355339704032>

- 18) *Workflow optimization of immovable's registration in Romanian cadastral system*, Autori: Herban, S; Grecea, C; Musat, C; **Vilceanu, CB**, 15th International Multidisciplinary Scientific Geoconference (SGEM) 2015 | Informatics, Geoinformatics And Remote Sensing, Vol II, pp.1231-1238, Accession NumberWOS:000371600100153, Published: 2015.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000371600100153>

- 19) *Processing of environmental data using digital terrain models for the western part of Romania*, **Vilceanu, CB**; Herban, S; Alionescu, A; Musat, C, 15th International Multidisciplinary Scientific Geoconference (SGEM), 2015, Informatics, Geoinformatics And Remote Sensing, Vol II, pp.1043-1050, Accession NumberWOS:000371600100130, Published: 2015.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000371600100130>

- 20) *E-learning in engineering - Impact upon the student's mentality and development*, Autori: **Vilceanu, Clara-Beatrice**; Herban, Sorin; Grecea, Carmen, Conference: 11th International Scientific Conference on eLearning and Software for Education (eLSE) Location: Bucharest, Romania, Date: Apr 23-24, 2015, Rethinking Education by Leveraging the Elearning Pillar of the Digital Agenda for Europe!, Vol. II Book Series: eLearning and Software for Education, Pages: 584-591, DOI: 10.12753/2066-026X-15-180, Published: 2015.
- <https://www.webofscience.com/wos/woscc/full-record/WOS:000384470100088>
- 21) *Comparative overview of cadastre and land information systems in some countries from EUROPE-An efficient tool to understand and manage urban development*, Autori: Grecea, C.; Moscovici, A. -M.; **Vilceanu, C. -B.**; et al., Journal of Environmental Protection and Ecology, Volume: 15, Issue: 2, Pages: 678-685, Accession Number: WOS:000339362500031, Published: 2014.
- <https://www.webofscience.com/wos/woscc/full-record/WOS:000339362500031>
- 22) *Studying the movement of buildings and developing models to determine real settlements*, Autori: Herban, S. I.; **Vilceanu, C. -B.**; Alionescu, A.; et al., Journal of Environmental Protection and Ecology, Volume: 15, Issue: 2, Pages: 789-796, Accession Number: WOS:000339362500044, Published: 2014.
- <https://www.webofscience.com/wos/woscc/full-record/WOS:000339362500044>
- 23) *Creating 3D Models Of Heritage Objects Using Photogrammetric Image Processing*, Autori: **C. B. Vilceanu**, I. S. Herban, C. Grecea, AIP Conference Proceedings, Vol. 1558, (2013); DOI: 10.1063/1.4825832, pp. 1599-1602.
- <https://www.webofscience.com/wos/woscc/full-record/WOS:000331472800377>
- 24) *Using Geographic Information System analysis in the management of flood risk areas*, Autori: **C.-B. Vilceanu**, C. Grecea, Proceedings of “13th International Multidisciplinary Scientific GeoConference SGEM 2013”, ISSN 1314-2704, DOI:10.5593/sgem2013, pp. 1049-1056.
- <https://www.webofscience.com/wos/woscc/full-record/WOS:000349067200134>
- 25) *GIS, Efficient Support For Urban Planning – Framework Of Timișoara, Romania*, Autori: C. Grecea, C. C. Mușat, **C.-B. Vilceanu**, Proceedings: 12th International Multidisciplinary Scientific GeoConference SGEM 2012, ISSN 1314-2704, DOI:10.5593/sgem2012, pp. 1057-1064.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000348532700134>

- 26) *Verifying the stability of a 28 m high pile-wall from an excavation site using Finite Element Method*, Autori: B. Singeorzan, **C.-B. Vîlceanu**, C. Scarlat, Proceedings: 12th International Multidisciplinary Scientific GeoConference SGEM 2012, ISSN 1314-2704, DOI:10.5593/sgem2012, pp. 347-354.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000348532700045>

- 27) *Terrestrial Laser Scanning used for 3D modeling*, Autori: I. S. Herban, **C.-B. Vîlceanu**, Proceedings: 12th International Multidisciplinary Scientific GeoConference SGEM 2012, ISSN 1314-2704, DOI:10.5593/sgem2012, pp. 795-803.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000348532700101>

II. International databases indexed articles

- 1) *Geostatistical analysis for landslide prediction in Transilvania, Romania*, Autori: **C.-B. Vîlceanu**, A. C. Badea, S. Herban, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLII-3/W4, 543–547, 2018, <https://doi.org/10.5194/isprs-archives-XLII-3-W4-543-2018>
- 2) *Urban green space monitoring for climate change mitigation*, Autori: S. Herban, **C.-B. Vîlceanu**, Rares Halbac-Cotoară-Zamfir, 17th International Multidisciplinary Scientific Geoconference SGEM 2017, Conference Proceedings vol. 17 Energy & Clean Technologies Issue 43, Recycling Air Pollution and Climate Change, Modern Energy and Power Resources, ISBN 978-619-7408-28-7, ISSN 1314-2704, DOI: 10.5593/sgem2017H/43, pp. 595-593.
- 3) *Urban Green Space Monitoring technique with Remote Sensing and its application and urban green space index*, Autori: S. Herban, Q. Meng, **C.-B. Vîlceanu**, Scientific Bulletin of the Politehnica University of Timisoara, Transaction of Hydrotechnics, Vol. 62 (76), Issue 2, 2017, pp. 23-27.
- 4) *Waste Management – Approaches, strategies and differences between Romania and Norway*, Autori: S. Herban, R. Hălbac-Cotoară-Zamfir, **C. B. Teșilă**, B. Foreid, C. Farkas, Scientific Bulletin of the Politehnica University of Timisoara, Transaction of Hydrotechnics, Vol. 62 (76), Issue 1, 2017, pp. 27-32.
- 5) *Monitoring of Buituri slag dump, Hunedoara county in relation with environmental protection*, Autori: Moscovici, Bala, Brebu, **Vilceanu**, Csegu, Bulletin UASVM Horticulture

74(1) / 2017, Print ISSN 1843-5254, Electronic ISSN 1843-5394, DOI:10.15835/buasvmcn-hort:12300 pp. 110-116.

- 6) *Managing Urban Traffic and Road Network using GIS Facilities*, Autori: A. Alionescu, S. Herban, C. Muşat, **B. Vîlceanu**, Scientific Bulletin of the Politehnica University of Timisoara, Transaction of Hydrotechnics, Vol. 60(74), Issue 1, 2015, pp. 13-17.
- 7) *3D models for a sustainable development of cultural heritage*, Autori: **C.-B. Vîlceanu**, S. I. Herban, O. Grecea, Procedia Environmental Science, Engineering and Management (P - ESEM), ISSN: 2392 – 9537, ISSN-L: 2392 – 9537, eISSN: 2392 – 9545, (2015) (2) pp.157-160.
- 8) *Cadastrre 2020: A new perspective of Romanian cadastral system*, Autori: C. C. Muşat, **C. – B. Vîlceanu**, A. M. Moscovici, Advances in Environmental Development, Geomatics Engineering and Tourism, Proceedings of 2nd European Conference of Geodesy & Geomatics Engineering (GENG '14), ISSN 2227-4359, ISBN 978-960-474-385-8, pp. 168-174, 2014.
- 9) *Application of close-range photogrammetry to cultural heritage*, Autori: I.S. Herban, **C.-B. Vîlceanu**, A. Alionescu, RevCad Journal of Geodesy and Cadastre, ISSN 1583-2279, No. 16-2014, pp. 104 – 112.
- 10) *Geodetic frame for railways infrastructure works*, Autori: S. I. Herban, A. Alionescu, C. Grecea, **B. C. Vîlceanu**, International journal of systems applications, engineering & development, ISSN: 2074-1308, vol. 8/2014, pp. 26-32.
- 11) *Geodetic studies on hydrotechnical structures movements and deformations monitoring*, Autori: F. M. Brebu, **C.-B. Vîlceanu**, M.-R. Gridan, Scientific Bulletin of The Politehnica University of Timisoara, Transactions on Hydrotechnics, ISSN 1224-6042, România, vol. 2/2013, pp. 143 – 147.
- 12) *Using Accurate Geodetic Technologies for the Rehabilitation of a Railroad Section in Romania, Part of Pan-European Corridor IV*, Autori: I. S. Herban, A. Alionescu, C. Grecea, **C.-B. Vîlceanu**, Recent Advances in Geodesy and Geomatics Engineering; Proceedings of the 1st European Conference of Geodesy & Geomatics Engineering (GENG '13); ISSN: 2227-4359; ISBN: 978-960-474-335-3.
- 13) *Modern geodetic methods for monitoring landslides – Case study “The approach road between Orşova municipality and Topleţ plateau, Dranic peak, Mehedinţi County”*, Autori: **C.-B. Vîlceanu**, I. S. Herban, C. C. Muşat, Scientific Bulletin of The Politehnica University

of Timisoara, Transactions on Hydrotechnics, ISSN 1224-6042, România, vol. 1/2013, pp. 119-122.

- 14) *Crearea modelului digital al terenului utilizând tehnologia de scanare laser terestră pentru alunecarea de teren – drum de acces între localitatea Orșova și platoul Topleț, culmea Dranic, județul Mehedinți*, Autori: **C. – B. Vîlceanu**, A.C. Bălă, Revista Română de Inginerie Civilă, Vol. 4/2013, ISSN 2068-3987, Editura MatrixRom, București, pp. 131-141.
- 15) *Landslide monitoring in the context of sustainable development*, Autori: Herban I. S., **Vîlceanu C. – B.**, Research Journal of Agricultural Science, Agroprint Editorial, ISSN 2066-1843, vol. 44 (3) (2012), pp. 213-221.
- 16) *Geomatics – possible solution for an efficient management of environmental problems*, Autori: C. Grecea, **Vîlceanu C. – B.**, Research Journal of Agricultural Science, Agroprint Editorial, ISSN 2066-1843, vol. 44 (3) (2012), pp. 199-207.
- 17) *Possibilities of monitoring the areas affected by natural calamities using Intergraph technology*, Autori: C. Grecea, **C.-B. Vîlceanu**, RevCad Journal of Geodesy and Cadastre, ISSN 1583-2279, 13 / 2012 pp. 75 – 85.
- 18) *3D modeling using terrestrial Leica C 10 Scanstation*, Autori: Herban I. S., **Vîlceanu C.-B.**, Buletinul Științific al Universității "Politehnica" din Timișoara, Seria Hidrotehnica, ISSN 1224-6042, România, vol. 2/2011, pp. 95 – 98.
- 19) *The Impact of Geodetic and Topographic Monitoring on Landslides Risk Assessment*, Autori: S. I. Herban, **C. – B. Vîlceanu**, RevCad Journal of Geodesy and Cadastre, ISSN 1583-2279, pp. 85 – 90, No. 11/2011.
- 20) *The correlation between the surveying profession and sustainable development*, Autori: **C.-B. Vîlceanu**, S. I. Herban, C. C. Mușat, Research Journal of Agricultural Science, Agroprint Editorial, ISSN 2066-1843, vol. 43 (3) (2011), pp. 522-529.

III. Other articles

- 1) *Using the laser scanning for conservation of Cultural Heritage buildings*, Autori: **C.-B. Vîlceanu**, L. Dungan, S. Herban, F. Popescu, the X International conference- Industrial Engineering and Environmental Protection (IIZS 2012), 8th – 9th October 2020, Technical faculty “Mihajlo Pupin“ Zrenjanin, Srbija.

- 2) *Influence of climate change and urban development on GNSS measurements*, Autori: A. Bălă, L. Dungan, **C.-B. Vîlceanu**, S. Herban, the X International conference- Industrial Engineering and Environmental Protection (IIZS 2012), 8th – 9th October 2020, Technical faculty “Mihajlo Pupin“ Zrenjanin, Srbija.
- 3) *Spatial data geoportal – a powerful interface for the local administration*, Autori: O.-A. Bănescu, **C.-B. Vîlceanu**, A.-D. Hapenciuc, The first Conference on Heritage and Sustainable Innovation, CoHeSION 2018, November 15–17 2018, Timișoara, Romania.
- 4) *Management of sporadic registration properties by means of open-source GIS*, Autori: **C.-B. Vîlceanu**, A.-M. Moscovici, S. Herban, Book of Abstracts no.5/2018, The 17th International Symposium Prospects for the 3rd Millennium Agriculture, 27th-29th September 2018, Cluj-Napoca, Romania, University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca.
- 5) *Spatial data geoportal for Local Administration – smart solution for a secure and valuable cultural heritage*, Autori: **C.-B. Vîlceanu**; C. Grecea, S. Herban, Journal of Geodesy, Cartography and Cadastre, no. 7 issue 2, 2017, ISSN: 1454-1408.
- 6) *TLS and Digital Photogrammetry Studies in Cultural Heritage Domain*, Autori: S. Herban, **C.-B. Vîlceanu**, Conference Proceedings Contemporary Achievements in Civil Engineering, pp. 765-772, DOI:10.14415/konferencijaGFS 2015.097, ISBN 978-86-80297-62-0, Subotica, 2015.
- 7) *Systematic registration of properties – a new challenge for the Romanian cadastral system*, Autori: Mușat C. C., **Vîlceanu C.-B.**, Moscovici A.-M., Revista de Geodezie, Cartografie și Cadastru / Journal of Geodesy, Cartography and Cadastre, No 3 / 2015, ISSN: 1454-1408, pp. 15-20.
- 8) *Elaborarea hărților de risc la alunecări de teren utilizând date geotehnice, topografice și tehnologia SIG*, Autori: **C. – B. Vîlceanu**, M. Marin, Revista Construcțiilor, anul XI, nr. 113, April 2015, pp. 50-55.
- 9) *Comparative study of TLS and digital photogrammetry for 3D modeling of the Martyr’s cross monument*, Autori: A. Alionescu, S. Herban, C. Grecea, **C. – B. Vîlceanu**, Proceedings of IGIT 2015, International Conference, Integrated geo-spatial information technology and its application to resource and environmental management towards GEOSS, ISBN 978-963-334-211-4, pp. 94-99, Publisher: Nyugat-magyarországi Egyetem Kiadó, Sopron, 2015.

- 10) *Studiu De Caz Privind Comportarea Unui Pasaj Din Pământ Armat*, Autori: M. Marin, P. Pantea, **C. – B. Vilceanu**, Al XIV-lea Congres Național De Drumuri Și Poduri Din România, Cluj-Napoca, September 10-13, 2014.
- 11) *Degradări și soluții de consolidare privind rambleele de la Autostrada Nădlac – Arad*, Autori: M. Marin, P. Pantea, M. Mirea, **C. – B. Vilceanu**, Al XIV-lea Congres Național De Drumuri Și Poduri Din România, Cluj-Napoca, September 10-13, 2014.
- 12) *Urmărirea unui pasaj din pământ armat folosind tehnologii geodezice moderne*, Autori: **B. Vilceanu**, M. Marin, Conferința Internațională Autostrăzi sustenabile: proiectare, construcție, întreținere, 30-31 octombrie 2013, Timișoara.
- 13) *Geodetic studies with significant contribution to environmental monitoring*, Autor: **Vilceanu C. – B.**, Workshop-ul nr. 3 Interdisciplinaritatea și Managementul Cercetării, 30-31.05.2013, Universitatea din Pitești.
- 14) *Utilizarea tehnologiei de scanare laser terestră în monitorizarea căilor de comunicații terestre*, Autori: **Vilceanu C. – B.**, Marin Marin, Zilele Academice Timișene, Ediția a XIII-a, Dr umul și Mediul Înconjurător, Timișoara, România, 23 – 24 mai 2013, Editura Solness, ISSN 2247-3807, pp. 41 – 49.
- 15) *Engineering surveying used for monitoring the behaviour of hydro-technical construction*, Autori: **C. – B. Vilceanu**, C. Grecea, I. S. Herban, Proceedings: 12th International scientific conference „InDIS 2012” – Planning, design, construction and building renewal, ISBN 978-86-7892-453-8, pp. 584 – 593.
- 16) *Contribution of geodetic engineering to special constructions monitoring*, Autori: **C.-B. Vilceanu**, I. S. Herban, C. Grecea, Buletinul Institutului Politehnic „Gheorghe Asachi” din Iasi, Tomul LVIII (LXII), Fascicula 3-4, 2012, secția Hidrotehnica, pp. 103-113, ISSN 1224-3892.
- 17) *Management of flood risk areas by means of GIS technology*, Autori: **C.–B. Vilceanu**, C. Grecea, International Conference on Environmental Research and Technology, “Eco Impuls 2012”, Timisoara, Octombrie 25 – 26, 2012.
- 18) *Importanța elaborării hărților de risc la alunecări de teren utilizând date geotehnice, topografice și tehnologia SIG*, Autori: **Vilceanu C.– B.**, Marin Marin, Lucrarile Conferintei: A XII-a Conferinta Națională de Geotehnică și Fundații, Iasi, 19-22.09.2012, Vol. 2, ISSN 1844-850x, pp. 909 – 916, Editura Politehnum.

- 19) *Terrestrial Laser Scanning used for 3D modeling*, Autor: **Vîlceanu C. – B.**, Workshop-ul nr. 2 Interdisciplinaritatea și Managementul Cercetării in Studiile Doctorale, 7-8.06.2012, Universitatea din Oradea.
- 20) *Using Intergraph technology for monitoring the areas affected by landslides in Mehedinți County, Romania*, Autor: **Vîlceanu C. – B.**, Workshop-ul nr. 1 Interdisciplinaritatea și Managementul Cercetării, 25.11.2011, Universitatea “Politehnica” din Timișoara, Proceedings pp. 19.
- 21) *The Importance of Landslide Risk Maps for the Management of Environmental Issues*, Autori: **B. Vîlceanu**, I.S. Herban, M. Marin, Conferința: International U.A.B. - B.EN.A.Conference Environmental Engineering and Sustainable Development, Alba – Iulia, România, 26 – 27 Mai, 2011.
- 22) *Utilizarea tehnologiei GIS pentru evaluarea condițiilor de riscuri*, Autori: **Vîlceanu C.-B.**, Marin M., Zilele Academice Timișene, Ediția a XII-a, Infrastructuri Eficiente pentru Transporturile Terestre, Timișoara, România, Editura Solness, ISSN 2247-3807, pp. 315-320.