

## Lista articolelor științifice publicate

### A. Articole științifice publicate în reviste

1. **Zsolt Buna**, Daniela Popescu, Radu Comes, Ionuț Badiu, Răzvan Mateescu, „Engineering CAD tools in digital archaeology”, Mediterranean Archaeology & Archaeometry International Journal, Vol. 14, No. 4, 2014, ISSN: 1108-9628, pp: 83-91 (*ISI A&H*);
2. Radu Comes, Călin Neamțu, **Zsolt Buna**, Badiu Ionuț, Paul Pupeză, „Digitized and optimized artefacts and the management of interactive 3D content on mobile devices” Mediterranean Archaeology & Archaeometry International Journal, Vol. 14, No. 4, 2014, ISSN: 1108-9628, pp: 35-44 (*ISI A&H*);
3. Daniela Popescu, Vasile Tompa, Dan Hurgoiu, Călin Neamțu, Ciprian Firea, Diana Dragomir, **Zsolt Buna**, “Using Image Processing To Authenticate Artwork”, Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, And Engineering, Volume 61, No. 3, 2018, ISSN: 1221-5872, pp: 507-512 (*ISI ESCI*);
4. Radu Comes, Calin Neamtu, **Zsolt Buna**, Liliana Mateescu-Suciu, “Exploring Dacian cultural heritage with dARcit augmented reality application” Journal of Ancient History and Archaeology, Vol. 1, No. 2, 2014, ISSN: 2360-266X, pp: 71-77 (*ISI ESCI*);
5. Radu Comes, **Zsolt Buna**, Ionuț Badiu, “Creation and preservation of digital cultural heritage”, Journal of Ancient History and Archaeology, Vol. 6, No. 4, 2019, ISSN: 2360-266X, pp: 50-56 (*ISI ESCI*);
6. **Zsolt Buna**, Radu Comes, Ionuț Badiu, „Parameterized database creation for construction elements of monuments”, Journal of Ancient History and Archaeology, Vol. 1, No. 2, 2014, ISSN: 2360-266X, pp: 92-98 (*ISI ESCI*);
7. Răzvan Curta, **Zsolt Buna**, Mihai Dragomir, Radu Comes, Daniel Bányai, “Methodology and case study in the furniture industry using photogrammetry and 5 axis machining”, Acta Technica Napocensis Journal, Applied Mathematics, Mechanics & Engineering Series, Vol. 58, No. 1, 2015, ISSN: 1221-5872, pp: 53-58 (*ISI ESCI*);
8. **Zsolt Buna**, Ionuț Badiu, Arnold Éles, “On using parametric modeling in furniture design”, Acta Technica Napocensis Journal, Applied Mathematics, Mechanics & Engineering Series, Vol. 58, Nr. 2, 2015, ISSN: 1221-5872, pp: 239-244 (*ISI ESCI*);
9. Ionuț Badiu, **Zsolt Buna**, Radu Comes, “Automatic generation of ancient pottery profiles using CAD software”, Journal of Ancient History and Archaeology, Vol. 2, Nr. 2, 2015, ISSN-2360-266X, pp: 74-83 (*ISI ESCI*);
10. Calin NEAMTU, ION Anghel, Alexandru-Florin CHIOJDOIU, **Zsolt BUNA**, Aurel TROFIN, Diana DRAGOMIR, “Automatic fire extinguishing system using "T","Z","O" letters technique based on a parallel structure”, Acta Technica Napocensis Journal, Applied Mathematics, Mechanics & Engineering Series, Vol. 62, No. 3, 2019, ISSN: 1221-5872, pp: 389-396 (*ISI ESCI*);
11. Rareș GHINEA, Vasile TOMPA, Zsolt **BUNA**, Raul ROZSOS, Daniela POPESCU, Ciprian FIREA, “Using image processing to authenticate artwork (II)”, Acta Technica Napocensis Journal, Applied Mathematics, Mechanics & Engineering Series, Vol. 62, No. 4, 2019, ISSN: 1221-5872, pp: 601-606 (*ISI ESCI*);

## B. Articole publicate în volumele unor conferințe internaționale de prestigiu

12. Mihai Dragomir, Sorin Popescu, **Zsolt Buna**, Ioan Zabala, “Enhanced Hospital Bed With Smart Functions”, Proceedings of International Conference on Production Research – Regional Conference Africa, Europe and the Middle East 4th International Conference on Quality and Innovation in Engineering and Management, 25-30 July 2016, Cluj-Napoca, Romania, ISBN 978-606-737-180-2 ,pp: 317-320 (**ISI Proceedings**);
13. **Zsolt Buna**, Daniela Popescu, Florin Popișter, Ionuț Badiu, “Reverse engineering methods for vintage car components re-creation”, Proceedings of International Conference on Production Research – Regional Conference Africa, Europe and the Middle East 3rd International Conference on Quality and Innovation in Engineering and Management, 1-5 July 2014, Cluj-Napoca, Romania, ISBN: 978-973-662-978-5, pp: 58-63 (**ISI Proceedings**);
14. Radu Comes, Daniela Popescu, Florin Popișter, **Zsolt Buna**, Ionuț Badiu, “Tracking methods used in augmented reality manufacturing”, Proceedings of International Conference on Production Research – Regional Conference Africa, Europe and the Middle East 3rd International Conference on Quality and Innovation in Engineering and Management, 1-5 July 2014, Cluj-Napoca, Romania, ISBN: 978-973-662-978-5, pp: 103-108 (**ISI Proceedings**);
15. Ionuț Badiu, Daniela Popescu, Amalia Cenușă, **Zsolt Buna**, Radu Comes, “Using CAD software to reduce the amount of data in case of digital preservation of cultural heritage”, Proceedings of International Conference on Production Research – Regional Conference Africa, Europe and the Middle East 3rd International Conference on Quality and Innovation in Engineering and Management, 1-5 July 2014, Cluj-Napoca, Romania, ISBN: 978-973-662-978-5, pp: 21-25 (**ISI Proceedings**);
16. D. Buhățel, **Zsolt Buna**, R.S. Câmpian, A. Ilea, M. Moga, V. Țărmure, C. Neamțu, “Using laser scanning to measure the difference between classical individual custom trays and 3D ideal individual custom trays in the totally edentulous”, 4th International Conference on Advancements of Medicine and Health Care through Technology, 5-7 June 2014, Cluj-Napoca, Romania, Vol. 44, ISBN 978-3-319-07653-9, pp. 155-158 (**Scopus**);
17. Călin Neamțu, **Zsolt Buna**, Răzvan Mateescu, Ximena Morar, „CAD software in 3D reconstructions of ancient world”, Proceedings of The 2<sup>nd</sup> International Conference on Quality and Innovation in Engineering and Management, Supplement of the “Quality - Access to Success Journal”, Vol. 13, No. 5, 2012, ISSN 1582–2559, pp: 513-518 (**Scopus**);

Cluj-Napoca

20.07.2020

Dr. ing. Buna Zsolt Levente

