

Lista de lucrări publicate

Candidat: dr. Vasile PELIN

1. Articole științifice publicate *in extenso* în reviste cotate *Web of Science* cu factor de impact

Vasile PELIN, Ion SANDU, Silviu Gurlui, Mihai BRÂNZILĂ, Viorica VASILACHE, Eugen BORȘ, Ioan Gabriel Sandu, *Preliminary Investigation of Various Old Geomaterials Treated with Hydrophobic Pellicle*, **Color Research and Application**, Volume 41, Issue 3, pp. 317-320, 2016, on-line ISSN 1520-6378, DOI 10.1002/col.22043, **IF = 0,798**

Vasile PELIN, Ion SANDU, Silviu GURLUI, Mihai BRÂNZILĂ, Viorica VASILACHE, Ioan Gabriel SANDU, *Evaluation of the Artificial Aging Rate Through UV Radiation Exposure of Indigenous Carbonate Rocks, Treated with Water-solvated Nano-dispersions, with the Interest of Consolidation and the Formation of a Waterproof Character*, **Revista de Chimie** (Bucharest), Volume 67, Issue 12, pp. 2568 – 2572, 2016, ISSN 0034-7752, **IF = 1,232**

Vasile PELIN, Iuliana Gabriela BREABAN, Ion SANDU, Silviu GURLUI, *The Atmospheric Pollution Influence on the Surface Structures of Porous Geomaterials in Correlation with Some Natural Radionuclides*, **Revista de Chimie** (Bucharest), Volume 68, Issue 6, pp. 1431 – 1438, 2016, ISSN 0034-7752, **IF = 1,232**

Alexandru COCEAN, **Vasile PELIN**, Mihai Marius CAZACU, Iuliana COCEAN, Ion SANDU, Silviu GURLUI, Felicia IACOMI, *Thermal effects induced by laser ablation in non-homogeneous limestone covered by an impurity layer*, **Applied Surface Science**, Volume 424, pp. 324-329, 2017, ISSN 0169-4332, DOI: 10.1016/j.apsusc.2017.03.172, **IF = 4,439**

Ion SANDU, Cosmin Tudor IURCOVSCHI, Ioan Gabriel SANDU, Viorica VASILACHE, Ioan Cristinel NEGRU, Mihai BREBU, Petronela Spiridon URSU, **Vasile PELIN**, *Multianalytical Study for Establishing the Historical Contexts of the Church of the Holy Archangels from Cicau, Alba County, Romania, for its Promotion as a World Heritage Good I. Assessing the preservation-restoration works from the 18th century*, **Revista de Chimie**, vol. 70(7), July 2019, pp. 2538 – 2544, **IF = 1,755**

Marius Mihai CAZACU, **Vasile PELIN**, Irina RADINSCHI, Ion SANDU, Vasilica CIOCAN, Ioan Gabriel SANDU, Silviu GURLUI, *Effects of Meteorological Factors on the Hydrophobization of Specific Calcareous Geomaterials from Repedea - Iași Area, under the Urban Ambient Air Exposure*, **International Journal of Conservation Science**, vol. 11(4), September - December 2020, pp. 1019-1030, **IF = 1,174**

2. Articole științifice publicate *in extenso* în reviste indexate fără factor de impact

Vasile PELIN, Ion SANDU, Marius MUNTEANU, Cosmin Tudor IURCOVSCHI, Silviu GURLUI, Andrei Victor SANDU, Viorica VASILACHE, Mihai BRÂNZILĂ, Ioan Gabriel SANDU, *Colour Change Evaluation on UV Radiation Exposure for Păun-Repedea Calcareous Geomaterial*, **IOP Conf. Series: Materials Science and Engineering**, Volume 133, 2016, article number 012061, ISSN 1757-8981, DOI 10.1088/1757-899X/133/1/012061

Vasile PELIN, Oana RUSU, Ion SANDU, Viorica VASILACHE, Silviu GURLUI, Andrei Victor Sandu, Mihai Marius CAZACU, Ioan Gabriel SANDU, *Approaching on Colorimetric Change of Porous Calcareous Rocks Exposed in Urban Environmental Conditions from Iași – Romania*, **IOP Conf. Series: Materials Science and Engineering**, Volume 209, 2017, article number 012080, ISSN 1757-8981, doi.org/10.1088/1757-899X/209/1/012080

Bogdan RATOI, **Vasile PELIN***, Ion SANDU, Mihai BRANZILA, Ioan Gabriel SANDU, *Hidden Message in Stone Masonry of Galata Monastery - Iasi City, Romania*, **International Journal Conservation Science**, Volume 9, Issue 1, pp. 151-164, 2018, ISSN 2067-533X, on-line ISSN 2067-8223, http://www.ijcs.uaic.ro/public/IJCS-18-13_Ratoi.pdf

Vasile PELIN, Oana RUSU, Mihai Marius CAZACU, Silviu GURLUI, Andrei Victor SANDU, Irina RADINSCHI, Vasilica CIOCAN, Ion SANDU, *Assessment of Hydrophobic Coating on Porous Calcareous Rocks Surface Exposed in Urban Ambient Air Pollution*, **IOP Conference Series: Materials Science and Engineering**, Volume 374, 2018, article number: 012091, DOI:10.1088/1757-899X/374/1/012091

Vasile PELIN, Ioana HUȚANU, Eugen BORȘ, Viorica VASILACHE, Ion SANDU, Mihai BRÂNZILĂ - *Impact on Surface Treatment of Hydrophobic Consolidation Terracotta Ornaments*, **Key Engineering Materials**, Nr. 660, Trans Tech Publications Inc., pp.369-376, 2015, ISBN 978-3-03835-559-5, ISSN 1662-9795

Vasile PELIN, Irina RADINSCHI, Vasilică CIOCAN, Ion SANDU, Tudor Bogdan COMAN, Marius Mihai CAZACU, *Preliminary Evaluation of Coating Hydrophobization of Natural Stone from Repedea - Iași Area (Romania)*, **Revista de Chimie**, vol. 71(1), January 2020, pp. 273-282

Silvia GAROFALIDE, Mariana DIACONU, Iuliana COCEAN, Alexandru COCEAN, **Vasile PELIN**, Silviu GURLUI, Liviu LEONTIE, *Study of Physico-Chemical Characteristics of Some Major Urban Air Pollutants*, **IOP Conference Series: Materials Science and Engineering**, vol. 877, May 2020, no. article 012049

3. Articole științifice publicate *in extenso* în volumele conferințelor

Vasile PELIN, Viorica VASILACHE, Ion SANDU, Otilia MIRCEA, Ion Gabriel SANDU, *Studiul artefactelor ceramice prin tehnici complementare*, **Scientific, Technological and Innovative Research in Current European Context - International Workshop EUROINVENT 2014**, Alexandru Ioan Cuza University Publishing House, pp. 611–617, 2014, ISBN 978-606-714-037-8, <http://www.euroinvent.org/cat/W2014.pdf>

Vasile PELIN, Ion SANDU, Marius MUNTEANU, Ioan Cristinel NEGRU, Silviu GURLUI, Cosmin Tudor IURCOVSCHI, Ioan Gabriel SANDU, *Determinarea rapidă a unghiului de contact pentru evaluarea hidrofobizării suprafețelor litice*, **Scientific, Technological and Innovative Research in Current European Context (International Workshop EUROINVENT 2016)**, StudIS Publishing House, pp. 654 - 661, 2016, ISBN 978-606-775-212-0, <http://www.euroinvent.org/cat/W2016.pdf>

Cosmin Tudor IURCOVSCHI, Ion SANDU, Silvea PRUTEANU, Viorica VASILACHE, Marius MUNTEANU, **Vasile PELIN**, Ovidiu Petru TĂNASĂ, Irina Crina Anca SANDU, *Procedee moderne de curățare a picturilor vechi înegrite de negura timpului*, **Scientific, Technological and Innovative Research in Current European Context (International Workshop EUROINVENT 2016)**, StudIS Publishing House, pp. 593 - 635, 2016, ISBN 978-606-775-212-0, <http://www.euroinvent.org/cat/W2016.pdf>

Cosmin Tudor IURCOVSCHI, Ion SANDU, **Vasile PELIN**, Ovidiu Petru TANASE, Marius PADURARU, *Science and technique of safeguarding wood cultural heritage objects*, **The XIth International Symposium CUCUTENI 5000 REDIVIVUS**, Tehnica-Info Publishing House by Technical University of Moldova, Chișinău, pp. 115 – 123, 2017, ISBN 978-9975-63-420-5

Vasile PELIN, Bogdan RĂȚOI, Ion SANDU, Mihai BRÂNZILĂ, Viorica VASILACHE, Ioan Gabriel SANDU, *Considerații asupra resurselor naturale de materiale litice din zona iași – românia, cu posibilități de utilizare în intervențiile de restaurare ale unor monumente istorice*, **Scientific, Technological and Innovative Research in Current European Context (International Workshop EUROINVENT 2017)**, StudIS Publishing House, pp. 563 – 579, ISBN 978-606-775-212-0, <http://www.euroinvent.org/cat/W2017.pdf>

Vasile PELIN, Bogdan RĂȚOI, Ion SANDU, Mihai BRÂNZILĂ, Vasilică CIOCAN, Viorica VASILACHE, Ioan Gabriel SANDU, *Identification of Indigenous Stone Resources for Interventions in Restoration of Historical Monuments in the City of Iași, Romania*, **the 27th International Conference – BSEE 2017, Building Services and Energy Efficiency**, Matrix Rom Publishing House – Bucharest, pp. 35 – 48, 2017, ISSN 2069 – 1211, <http://www.conferences.ci.tuiasi.ro/index.php/BSEE/BSEE2017>

Vasile PELIN, Ioan Gariel SANDU, Viorica VASILACHE, Andrei Victor SANDU, Silviu GURLUI, Ion SANDU, *Cercetări actuale privind domeniul prezervării și restaurării monumentelor istorice*, **Proceedings of the Xth Edition of Scientific, Technological and Innovative Research in Current European Context - EUROINVENT International Workshop**, Ed. PIM, Iași, România, pp. 7-24, 2018, ISBN 978-973-0-27057-0, <http://www.euroinvent.org/cat/W2018.pdf>

Vasile PELIN, Bogdan RĂȚOI, Dan COVATARIU, Ioan Gabriel SANDU, Mihai BRÂNZILĂ, Vasilică CIOCAN, Irina RADINSCHI, Ion SANDU, *Studii privind caracteristicile rocilor sedimentare calcaroase din județul Iași, cu aplicabilitate în restaurarea monumentelor istorice*, **Proceedings of the Xth European Exhibition Creativity and Innovation EUROINVENT – Workshop Scientific, Technological and Innovative Research in Current European Context**, Ed. PIM, Iași, România, pp. 25-43, 2018, ISBN 978-973-0-27057-0, <http://www.euroinvent.org/cat/W2018.pdf>

Vasile PELIN, Oana RUSU, Marius Mihai CAZACU, Ion SANDU, Silviu GURLUI, Vasilică CIOCAN, Irina RADINSCHI, Ioan Gabriel SANDU, *Comparative Assessment on Colorimetric Change of Calcareous Geomaterials Exposed in Urban and Periurban Environmental Conditions from Iasi City – Romania*, **Annals of the Academy of Romanian Scientists, Series on Engineering Sciences**, 10(1), pp. 17-28, 2018, ISSN 2066-6950, on line ISSN 2066-8570, <http://aos.ro/editura/analeleaosr/annals-on-engineering/archive/vol-10-no-1-2018>

Vasile PELIN, Bogdan RĂȚOI, Bobi APAVALOAEI, Viorica VASILACHE, Ion SANDU, Mihai BRANZILA, *Conservation State Assessment of the Golia Monastery Enclosure Wall*, **STONE 2020 - Monument Future. Decay and Conservation of Stone. Proceedings of the 14th International Congress on the Deterioration and Conservation of Stone**, editori: Siegesmund S. și Middendorf B., Mitteldeutscher Publishing, vol. 1 & 2, pp. 1089-1094, September 2020, ISBN 978-3-96311-172-3

4. Cărți științifice publicate

Florin Constantin MIHAI, Oana Cristina MODOI, Anca Elena GHEORGHIĆĂ, Petra SCHNEIDER, Ana-Maria ȘCHIOPU, Adrian ANDREI, Marius Daniel ROMAN, Miruna CERVENCUIUC, Gabriela BIALI, Mihail EVA, Andreea Diana DAMIAN, **Vasile PELIN**, Gabriela BOBEANU, Ionel MUNTELE, *Rolul economiei circulare în îmbunătățirea calității vieții în România*, în volumul **"Calitatea vieții și reziliența sistemelor geografice - disparități teritoriale și evoluții recente**, editori - coordonatori: Ionel MUNTELE, Alexandru BĂNICĂ, Constantin RUSU, Editura Universității "Alexandru Ioan Cuza" Iași, pp. 63–103, 2020, ISBN 978-606-714-606-6

dr. Vasile PELIN