



## Europass Curriculum Vitae



### Personal information

First name / Surname **Vasile PELIN ( married PELIN – COSTACHI )**  
Address Bucium Road no. 145, Iași, postal code 700276, Romania  
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0766496546  
E-mail [vasilepelin@yahoo.com](mailto:vasilepelin@yahoo.com)  
Nationality Romanian  
Date of birth 02.01.1974  
Gender Male  
Research ID N-1062-2014 <http://www.researcherid.com/rid/N-1062-2014>

### Work experience

Dates 01.10.2014 - present  
Occupation or position held **PhD Student**  
Main activities and responsibilities Specific activities of a training program based on advanced university degree, according to the curriculum of the Doctoral School, to prepare thesis entitled: *Studies and research on the use of indigenous lithic material in restoration of certain stone monuments in Iași area.*  
Name and address of employer "Alexandru Ioan Cuza" University of Iași, Geography – Geology Faculty, Environmental Sciences Field, GeoScience Doctoral School  
Carol I Blvd., no. 20A, postal code 700505, Iasi, Romania  
Phone: 040 232 201 074; Fax: 040 232 201 874; website: <http://www.geo.uaic.ro>  
Type of business or sector Education and research (Higher Education)

### Education and training

Dates October 1992 – June 1998  
Title of qualification awarded Diploma of license  
Principal subjects/occupational skills covered Crystallochemistry, Mineralogy, Petrology and petrochemical sedimentary and endogenous rocks, Physical Geochemistry, General Geotectonics, Hydrogeochemistry, Instrumental methods of analysis in geochemistry, Biogeochemistry and Metallogeny etc. - Licensed in Geochemistry  
Name and type of organisation providing education and training „Al.I. Cuza” University of Iași, Faculty of Geography - Geology, specialization Geochemistry

### Personal skills and competences

Mother tongue **Romanian**

Other language(s)

English

Self-assessment

European level (\*)

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
A2	Independent User	A2	Independent User	A2	Independent User	A2	Independent User	A2	Independent User

(\*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Team spirit  
Spirit of initiative  
Dynamism  
Adaptable to unforeseen situations  
Sense of duty and taking achieving the objectives

Organisational skills and competences

Experience in team management

Technical skills and competences

Abilities acquired regarding the instrumental analysis of materials : optical microscopy, Scanning Electron Microscope coupled with Energy Dispersive X-Ray (SEM-EDX) and CIE L\*a\*b\* colorimetry.

Computer skills and competences

Microsoft Office

Additional information

- participating in the training courses - *Binder Materials Used in Conservation – Restoration* , organized by *Romanian Order of Architects – OAR*, Bucharest Branch, along with *Cella Cosimex Ltd Bucharest* and *CEPROCIM Company Bucharest* (former Romanian National Institute for Research and Design of Cement); 28 – 30 May 2015 & 04 – 06 June 2015; coordinators – speakers: Lecturer PhD. Eng. Ileana Mohanu (Ceprocim Company) and Prof. PhD. Dan Mohanu (National University of Arts, Department Conservation and Restoration – Bucharest), <https://www.oar-bucuresti.ro/>
- beneficiary of the European project “*Towards a New Generation of Elite Researchers through Doctoral Scholarships*”, co-funded by the European Social Fund through Sectorial Operational Programme Human Resources Development 2007 – 2013, project number POSDRU/ 187/1.5/S/155397 - Doctoral Research Group no. 3, June – December 2015, <http://www.bursedoctorale.ro/>

Scientific activity:

➤ articles published in **ISI scientific journals**:

- **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](#)
- **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-Repedeia Calcareous Geomaterial* , **IOP Conf. Series: Materials Science and Engineering** , Volume 133 , 2016, article number 012061, doi:[10.1088/1757-899X/133/1/012061](https://doi.org/10.1088/1757-899X/133/1/012061)

- **Vasile PELIN**, Ion SANDU, Silviu GURLUI, Mihai BRANZILA, 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](#).
  
- articles in print - **ISI scientific journals**:
  
- 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**, December 24, 2016, [ISSN: 01694332](#), [doi: 10.1016/j.apsusc.2017.03.172](#)
  
- **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](#)
  
- article published in **SCOPUS** scientific journals:
  
- **Vasile PELIN**, Ioana HUȚANU, Eugen BORSȚ, 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](#).
  
- article in print - **SCOPUS** scientific journals:
  
- **Vasile PELIN**, Oana RUSU, Ion SANDU, Viorica VASILACHE, Silviu GURLUI, Andrei Victor Sandu, Mihai Marius CAZACU, Ion 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, [doi.org/10.1088/1757-899X/209/1/012080](#)
  
- articles published in ISBN scientific proceedings:
  
- **Vasile PELIN**, Viorica VASILACHE, Ion SANDU, Otilia MIRCEA, Ion Gabriel SANDU - *The study of ceramic artifacts through complementary techniques*, 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, *Contact Angle Rapid Determination for Hydrophobicity Assessment of Lithic Surfaces*, 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 TANASA, Irina Crina Anca SANDU, *Modern Processes for Cleaning Old Pictures with Grow Dark in the Course of Time*, 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>
  
- **Vasile PELIN**, Bogdan RĂȚOI, Ion SANDU, Mihai BRANZILA, Viorica VASILACHE, Ioan Gabriel SANDU, *Considerations On Natural Resources Of Lithic Materials in Iasi Area – Romania - with Possibilities for Use in Restoration Interventions of Historical Monuments*, 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 RATOI, Ion SANDU, Mihai BRANZILA, Vasilica 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 27<sup>th</sup> 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>

Participation in national / international conferences and workshops:

- **Vasile PELIN**, Viorica VASILACHE, Ion SANDU, Otilia MIRCEA, Ion Gabriel SANDU, *The study of ceramic artifacts through complementary techniques*, EUROINVENT - the 6<sup>th</sup> Edition of European Exhibition of Creativity and Innovation – Iași, Romania, May 22 – 24, 2014, <http://www.euroinvent.org/>
- Ion SANDU, Mihai BRĂNZILĂ, Andrei Victor SANDU, **Vasile PELIN**, Viorica VASILACHE, Ioan Gabriel SANDU, *Research Data Regarding the Use of Native Lithic Materials in the Restoration of Art Works and Monuments*, proceedings of XX<sup>th</sup> Congress of the Carpathian - Balkan Geological Association - CBGA, Tirana, Albania, 24 - 26 September 2014, Buletini i Shkencave Gjeologjike, Special Issue, Volume 1 / 2014, Special Sessions, pp 419, ISSN 0254-5276, ISSN 2306-9600, <http://fgim.edu.al/cbga/>
- **Vasile PELIN**, Ion SANDU, Mihai BRANZILA, *Studies and Research on Bioreceptivity of Lithic Materials - Biodiversity Conservation in Context of Sustainable Development – Annual Scientific Meeting*, Faculty of Biology, Alexandru Ioan Cuza University of Iași, 23 - 25 October 2014, Iași, Romania, <http://www.bio.uaic.ro/sesiune/2014/>
- **Vasile PELIN**, Ioana HUȚANU, Eugen BORȘ, Viorica VASILACHE, Ion SANDU, Mihai BRĂNZILĂ - *Impact on Surface Treatment of Hydrophobic Consolidation Terracotta Ornaments*, EUROINVENT - the 7<sup>th</sup> edition of European Exhibition Of Creativity And Innovation - International Conference on Innovative Research, May 14 – 15, 2015, Iași, Romania, pp.93, ISBN 978 – 606 – 13 – 2467 - 5, [http://www.euroinvent.org/cat/ICIR\\_2015.pdf](http://www.euroinvent.org/cat/ICIR_2015.pdf)
- **Vasile PELIN**, Ion SANDU, Silviu Gurlui, Mihai BRĂNZILĂ, Viorica VASILACHE, Eugen BORȘ, Ioan Gabriel Sandu, *Colorimetric research of various old lithic materials treated with hydrophobic pellicle, in view of their restoration and consolidation*, Book of Abstracts: COLOURS 2015 - Bridging Science with Art, Hercules Laboratory, University of Evora, Portugal, September 24 – 26, 2015, pp. 102, ISBN -989-20-5862-7, <http://www.colours2015.uevora.pt/>
- **Vasile PELIN**, Ion SANDU, Marius MUNTEANU, Cosmin Tudor IURCOVSCHI, Silviu GURLUI, Andrei Victor SANDU, Viorica VASILACHE, Mihai BRĂNZILĂ, Ioan Gabriel SANDU, *Colour Change Evaluation on UV Radiation Exposure for Păun-Repede Calcareous Geomaterial*, EUROINVENT - the 8<sup>th</sup> edition of European Exhibition Of Creativity And Innovation - International Conference on Innovative Research, May 19 – 20 May 2016, pp. 85, Iași, Romania, ISBN 978 – 606 – 775 – 211 – 3, [http://www.euroinvent.org/cat/ICIR\\_2016.pdf](http://www.euroinvent.org/cat/ICIR_2016.pdf)
- **Vasile PELIN**, Iulian IORDACHE, Andrei ASANDULESEI, Viorica VASILACHE, Vasile COTIUGA, Ion SANDU, Mihai BRANZILA, Liviu APOSTOL, Ioan Gabriel SANDU, *Evaluation of conservation state : Equestrian Statue of Knights Heroes of First World War - "Dimitrie Cantemir"* - International Geographic Seminar - XXXV<sup>th</sup> edition, Geography Department, Geography – Geology Faculty, Alexandru Ioan Cuza University, Iași, Romania, October 16 – 18, 2015, <http://www.geo.uaic.ro/cantemir/2015/>
- **Vasile PELIN**, Ion SANDU, Silviu GURLUI, Mihai BRANZILA, Viorica VASILACHE, Ioan Gabriel SANDU, *The evaluation of artificial ageing rate by exposure to UV radiations of some indigenous carbonate rocks treated with aqueous nanodispersions for waterproofing and consolidation – TEME 2015 - New Trends in Environmental and Materials Engineering - 3<sup>rd</sup> International Conference*, October 21 – 23, 2015 - Dunărea de Jos University of Galați, Romania, <http://www.teme.ugal.ro/>
- **Vasile PELIN**, Ion SANDU, Silviu GURLUI, Mihai BRĂNZILĂ, Viorica VASILACHE, Ioan Gabriel SANDU, *The Impact of Hydrophobization and Consolidation Treatments on Some Indigenous Lithic Calcareous Materials Used in the Restoration Interventions of Some Historical Monuments*, Book of Abstracts: PRIOCHEM - Priorities of Chemistry for Sustainable Development - International Symposium – XI<sup>th</sup> edition, Bucuresti, October 29 – 30, pp. 92, 2015, ISSN 2285 8334, ISSN-L 2285 8334, <http://priochem.icechim.ro/>
- **Vasile PELIN**, Ion SANDU, Mihai BRANZILA, Iuliana Gabriela BREABAN, Oana RUSU, Gina TIRON, Georgiana BULAI, Nicanor CIMPOEUSU, Silviu Gurlui, Mihai Marius CAZACU, *Study of the Polluting Factors Influencing the Old Stone Bridge in Iași City – Romania*, 11<sup>th</sup> International Conference on "Environmental Legislation, Safety Engineering and Disaster Management" – ELSEDIMA – May 26 – 28, pp. 140, 2016, ISBN 978 – 606 – 93873 – 1 -3, <http://elsedima.conference.ubbcluj.ro/>

- **Vasile PELIN**, *The Impact of Artificial Ageing Rate by Exposure to UV Radiations of Some Indigenous Carbonate Rocks Treated with Waterproofing Solutions*, EBUILT 2016 – International Conference of Gheorghe Asachi Technical University of Iași, Faculty of Civil Engineering and Building Services, November 16 – 18, 2016, Romania, <http://ebuiltiasi.com>.
- **Vasile PELIN**, Marius MUNTEANU, Viorica VASILACHE, Ion SANDU, Oana RUSU, Silviu GURLUI, Mihai Marius CAZACU, Mihai BRANZILA, Ioan Gabriel SANDU, *Hydrophobization and Consolidation Treatments Perspectives in Restoring Indigenous Calcareous Lithic Materials*, The 6<sup>th</sup> National Conference of Applied Physics, Gheorghe Asachi Technical University of Iași, Physics Department, November 26 – 27, 2016, Iași, Romania, <http://cnfa.tuiasi.ro/>.
- Otilia Sanda PRELIPCEANU, **Vasile PELIN**, Mihai Marius CAZACU, Gina TIRON, Liviu LEONTIE, Silviu GURLUI, Ion SANDU, *Alterations of urban lithic surfaces under the influence of atmospheric chemical compounds in the urban agglomeration region of Iași – Romania*, The 44<sup>th</sup> National Conference on Physics and Modern Education Technologies, May 15-16, 2015, [http://ftem.faculty.ro/english\\_17.html](http://ftem.faculty.ro/english_17.html)
- **Vasile PELIN**, Oana RUSU, Ion SANDU, Viorica VASILACHE, Silviu GURLUI, Andrei Victor Sandu, Mihai Marius CAZACU, Ion Gabriel SANDU, *Approaching on Colorimetric Change of Porous Calcareous Rocks Exposed in Urban Environmental Conditions from Iași – Romania*, EUROINVENT - the 9<sup>th</sup> edition of European Exhibition Of Creativity And Innovation - International Conference on Innovative Research , May 25 – 26 May, 2017, pp. 108, Iași, Romania, ISBN 978 – 606 – 775 -624 – 1, [http://www.euroinvent.org/cat/ICIR\\_2017.pdf](http://www.euroinvent.org/cat/ICIR_2017.pdf)
- **Vasile PELIN**, Bogdan RATOI, Ion SANDU, Mihai BRANZILA, Vasilica 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 27<sup>th</sup> International Conference – BSEE 2017, Building Services and Energy Efficiency, July 6 – 7, pp. 35 – 48, 2017, ISSN 2069 – 1211, <http://www.conferences.ci.tuiasi.ro/index.php/BSEE/BSEE2017>