1. Personal information

Name and surname: VASILACHE Viorica
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Present academic position: Scientific Researcher III (Department of Science, "Alexandru Ioan Cuza" University, Iaşi, Romania), Ph. D. in the field of "Chemistry"
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2. Education

2006 – 2009 Ph.D. studies at the „Gheorghe Asachi" University of Iași,
1991 – 1994 „Alexandru Ioan Cuza" University of Iași, Faculty of Chemistry, specialization: Chemistry – Physical
1987 – 1990 „Gheorghe Asachi" Politechnic Institut, Iași, Faculty of Chemical Technology – Chemistry, specialization: Chemistry – Physical

3. Selected, research work

Books:

1. I. SANDU, **V. VASILACHE**, F. A. TENCARIU, V. COTIUGĂ, ***Conservarea ştiinţifică a artefactelor din ceramică,*** Ed. Univ. "Al. I. Cuza", (ISBN 978-973-703-600-1), Iaşi, 2010, 455 pagini;

2. **V. VASILACHE**, I. SANDU, C. LUCA, I. C. A. SANDU, ***Noutăţi privind conservarea ştiinţifică a lemnului vechi policrom,*** Ed. Univ. "Al.I.Cuza", (ISBN 978-973-703-341-3/978-973-703-343-7), Iaşi, 2009, 282 pagini;

3. I. SANDU**,** I. C. A. SANDU, **V. VASILACHE**, M. L. GEAMĂN, ***Aspecte moderne privind conservarea bunurilor culturale, vol. IV. Determinarea stării de conservare şi restaurarea picturilor de şevalet,*** Ed. Performantica, (ISBN 973-730-048-3 şi 973-730-242-7) Iaşi, 2006, 432 pagini;

Papers:

1. **V. Vasilache,** D. Boghian, A. I. Chirculescu, S. C. Enea, I. Sandu, *Conservation state assessment and the determination of certain archaeometric characteristics for two bronze items from the early hallstatt period*, **REVISTA DE CHIMIE**, **64**, 2, 2013, pp. 152-157;

2. I. G. Sandu, O. Mircea, **V. Vasilache**, I. Sandu, *Influence of the Archaeological Environment on Ancient Copper Alloy Artifacts*, **MICROSCOPY RESEARCH AND TECHNIQUE**, **75**, 12, 2012, pp. 1646-1652;

3. O. Mircea, I. Sandu, **V. Vasilache**, A. V. Sandu, *Study of the Atypical Formations in the Corrosion Bulks of an Ancient Bronze Shield, by Optical and Electron Microscopy*, **MICROSCOPY RESEARCH AND TECHNIQUE**, **75**, 11, 2012, pp. 1467-1474;

4. I. Sandu, D. Aparaschivei, **V. Vasilache**, I. G. Sandu, O. Mircea, *The Archaeometric Characteristics of some Ancient Medical Instruments from the Moesia Inferior Roman Province, Revealed by SEM/EDX and μ-FTIR*, **REVISTA DE CHIMIE, 63**, 5, 2012, p. 495-500;

5. O. Mircea, I. Sandu, **V. Vasilache**, A. V. Sandu, *Research on Atypical Formations from Corrosion Bulks of an Ancient Bronze*, **REVISTA DE CHIMIE**, **63**, 9, 2012, pp. 893-899;

6. **V. Vasilache**, D. Aparashivei, I. Sandu, *A Scientific Investigation of the Ancient Jewels Found in the Ibida Site, Romania*, **INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE**, **2**, 2, 2011, pp. 117-126;

7. I. Sandu, **V. Vasilache**, I. C. A. Sandu, M. Hayashi, *New Method of Determining tzhe Normal Range of Hydric-Equilibrium Variation in Wood with Multiple Applications,* **REVISTA DE CHIMIE**, Bucureşti, **61**, 12, 2010, pp. 1212 -1218;

8. A. M. Saviuc-Paval, I. Sandu, I. M. Popa, I. G. Sandu, **V. Vasilache**, A. V. Sandu, *Preparation and characterisation of the new ceramic pigments for artistic polychromic elements. I. Synthesis and SEM-ERDX and μ-FTIR Analysis*, **REVISTA DE CHIMIE,** Bucureşti, **63**, 1, 2012, pp. 40-48;

9. A. M. Saviuc-Pavăl, I. Sandu, I. M. Popa, I. C. A. Sandu, **V. Vasilache**, I. G. Sandu, *Preparation and characterisation of the new ceramic pigments for artistic polychromic elements. II. Microscopic and Colourimetric Analysis*, **REVISTA DE CHIMIE, 63**, 2, (2012), pp. 166-174;

10. L. Chirilă, R. Butnaru, I. Sandu, **V. Vasilache**, A. V. Sandu**,** *Synthesis and Characterization of Some New Premetalated Dyes Based on Cu(II),* **REVISTA DE CHIMIE**, Bucureşti, **62**, 3, 2011, pp. 265-271.

4. Research interests

Scientific investigation of archaeological artifacts from various types of material.

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