

Prof.univ.dr. Ion SANDU
Universitatea „Al.I.Cuza” Iași

DATE PERSONALE

privind activitatea științifică și didactică în anul 2015

Monografii sau cursuri (4):

1. **Ion SANDU**, Silvea PRUTEANU, Viorica VASILACHE, Petronela SPIRIDON, **Curatarea picturilor vechi**, Ed. Universității Alexandru Ioan Cuza Iași, 2015, 220p.
2. **Ion SANDU**, Monica Anca CRETU, Ioan Gabriel SANDU, Gheorghe Romanescu, **Potabilizarea apelor subterane și de suprațată cu materiale ceramice**, Ed. Universității Alexandru Ioan Cuza Iași, 2015, 320p.
3. **I. SANDU**, M. CANACHE, A.V. SANDU, V. VASILACHE, **Aerosolii salini în dezvoltarea copiilor**, Ed. Universității Alexandru Ioan Cuza Iași, 2015, 242p.
4. **I. SANDU**, C. TIRBU, A.V. SANDU, C. TIRBU, **Aerosolii salini în îmbunătățirea performanțelor sportivilor**, Ed. Universității Alexandru Ioan Cuza Iași, 2015, 264p.

Volume editate sub coordonare, publicate prin edituri centrale (3):

1. A.V. SANDU, M.M.A.B. ABDULLAH, P. VIZUREANU, Z. YANYA, **I. SANDU**, (Editors), **Innovative Materials and Engineering Research**, Ed. Trans Tech Publications, Switzerland (ISBN-13: 973-3-03835-559-5)/ **KEY ENGINEERING MATERIALS** (ISSN print 1013-9826, ISSN cd 1662-9809, ISSN web 1662-9795), vol. 660, 2015, 410p. FIN = $4.1 \times 0,05/5 = 0.41$;
2. **I. SANDU** (Chairman), **Scientific, Technological and Innovative Research in Current European Context (Euroinvent, International Workshop)**, Ed. PIM, Iasi, (ISBN: 978-606-13-2474-3), 2015, 90p. FIN = $0.9 \times 0,05/1 = 0.45$;
3. A.V. SANDU, M.M.A.B. ABDULLAH, P. VIZUREANU, Z. YANYA, **I. SANDU**, (Editors), **ICIR 2015, International Conference on Innovative Research**, Ed. PIM, Iasi, (ISBN: 978-606-13-2474-5), 2015, 108p. FIN = $1.08 \times 0,05/5 = 0.011$;

Capitole din cărți editate în țară și străinătate (3):

1. **I. SANDU**, M. CANACHE, A.-V. SANDU, V. VASILACHE, I.G. SANDU, *Use of Saline Aerosol Devices in School Gymnasiums: a Romanian Experiment*, **Salt Effect. Second Arheoinvest Symposium: From the Ethnoarchaeology to the Anthropology of Salt** (20–21 April 2012, ‘Al. I. Cuza’ University, Iași, Romania) (Editors: M. Alexianu, R.G. Curca and V. Cotiuga), Archaeopress Publishers of the British Archaeological Reports, Gordon House, 276 Banbury Road Oxford, England (ISBN 978 1 4073 1422 8), 2015, pp. 275-278;
2. M. ALEXIANU, F. TENCARIU, A. AS NDULESEI, O. WELLER, R. BRIGAND, **I. SANDU**, G. ROMANESCU, R.-G. CURCĂ, C. CALINIUC, M. AS NDULESEI, *The Salt from the Alghianu Beck (Vrancea County, Romania): A Multifaceted Ethnoarchaeological Approach*, **Archaeology of Salt: Approaching an Invisible Past**, ISBN: 978-90-8890-303-8, PDF e-book: ISBN 978-90-8890-304-5, (Editors: Robin BRIGAND and Olivier WELLER), Sidestone Press, Leiden, 2015, pp. 47-63.
3. **R.A. CRISTACHE**, **I. HUTANU**, **L. NICA**, **V. VASILACHE**, **I. SANDU**, *Analysis of the Conservation State of a Panel Painting Icon*, YOCOCU 2014: PROFESSIONALS' EXPERIENCES IN CULTURAL HERITAGE CONSERVATION IN AMERICA, EUROPE, AND ASIA, (Editors: **Andrea MACCHIA**, **Fernanda PRESTILEO**, **Simone CAGNO** and **Fariz KHALILLI**), Cambridge Scholars Publishing (ISBN 978-1-4438-8519-5), 2016, pp. 392-408,

Lucrări științifice publicate sau trimise spre publicare (71 ISI):

a. **Lucr ri publicate în reviste de specialitate cu factor de impact ISI (43):**

1. L.R. MANEA, **I. SANDU**, *Study concerning the processability of polyetherimide (PEI) solution for obtaining nanofibers*, **REVISTA DE CHIMIE**, (Bucharest), 66, 12, 1968-1973, 2015; **Impact Factor = 0,810/2014**, Author Factor = **0,405**;
2. M. SUCHEA, I.V. TUDOSE, S. IONITA, **I. SANDU**, F. IACOMI, E. KOUDOUMAS, *ZnO nanostructures for potential applications in organic solar cells*, **REVISTA DE CHIMIE**, (Bucharest), 66, 12, 2044-2046, 2015; **Impact Factor = 0,810/2014**, Author Factor = **0,135**;
3. L.R. MANEA, **I. SANDU**, A. CURTEZA, *The Estimating Clothing Comfort Under Dynamic Conditions in the Evaluation of Some Biometrics Parameters. II. The Evaluation of Temperature and Electrical Resistance of the Skin*, **MATERIALE PLASTICE**, Bucharest, 52, 4, 470-474, 2015, **Impact Factor = 0,824/2014**, Author Factor = **0,275**;
4. V. VASILACHE, **I. SANDU**, C.C. LAZANU, I.G. SANDU *Archaeometalurgical evaluation of two spearheads from the bronze age*, **International Journal of Conservation Science**, 6, 4, 2015, pp. 633-642, **Impact Factor = 0,000/2014**, Author Factor = **0,000**;
5. L.R. MANEA, E. NECHITA, **I. SANDU**, *Electrospinning of polyetherimide (PEI) solution: effect of nozzle sizes on the diameter of the fiber*, **REVISTA DE CHIMIE**, (Bucharest), 66, 11, 1841-1845, 2015, **Impact Factor = 0,810/2014**, Author Factor = **0,270**;
6. G. ROMANESCU, A. TIRNOVAN, G.M. COJOC, D.T. JURAVLE, **I. SANDU**, *Groundwater Quality in Suha Basin (Northern Group of Eastern Carpathians)*, **REVISTA DE CHIMIE**, (Bucharest), 66, 11, 1885-1890, 2015, **Impact Factor = 0,810/2014**, Author Factor = **0,162**;
7. L.R. MANEA, R. SCARLET, **I. SANDU**, *Analysis of Electrospun Nanofibers Flaws From Polymeric Solution of Polyetherimide*, **REVISTA DE CHIMIE**, (Bucharest), 66, 10, 1622-1627, 2015, **Impact Factor = 0,810/2014**, Author Factor = **0,270**;
8. G. ROMANESCU, A. TIRNOVAN, **I. SANDU**, G.M. COJOC, I.G. BREAB N, A. MIHU-PINTILIE, *Water chemism within the settling pond of Valea Straja and the quality of the Suha water body (Eastern Carpathians)*, **REVISTA DE CHIMIE**, (Bucharest), 66, 10, 1700-1706, 2015, **Impact Factor = 0,810/2014**, Author Factor = **0,135**;
- 9.I. HUTANU, I. SANDU, A.-E. SIMIONESCU, V. VASILACHE, A.-M. BUDU, I.C.A. SANDU, *Study Concerning the Influence of Acrylic Consolidating Agents on Gold Gilding and Schlagmetal*, **REVISTA DE CHIMIE**, (Bucharest), 66, 9, 1480-1484, 2015, **Impact Factor = 0,810/2014**, Author Factor = **0,170**;
10. O. PINTILIE, C. ANDRIES, A. COSMA, M. ZAHARIA, G. DROCHIOIU, V. VASILACHE, **I. SANDU**, *The influence of dinitrophenolic pesticides on the viability of plants*, **REVISTA DE CHIMIE**, (Bucharest), 66, 9, 1321-1326, 2015, **Impact Factor = 0,810/2014**, Author Factor = **0,116**;
11. L.R. MANEA, **I. SANDU**, A. CURTEZA, *The Estimating Clothing Comfort Under Dynamic Conditions in the Evaluation of Some Biometrics Parameters. The Evaluation of Energetic Consumption and Functional Frequency*, **MATERIALE PLASTICE**, Bucharest, 52, 3, 312-316, 2015, **Impact Factor = 0,824/2014**, Author Factor = **0,274**;
12. A.-M. BUDU, **I. SANDU**, V. VASILACHE, A.-E. SIMIONESCU, I.C.A. SANDU, *Effect of skin lipids on painting layrs of the icons*, **REVISTA DE CHIMIE** (Bucharest), 66, 8, 1212-1216, 2015, **Impact Factor = 0,810/2014**, Author Factor = **0,162**;
13. P. CHIRITA, C.G HRIB, **I. SANDU**, N.C. LUNGU, A.G. SARBU, K. EARAR. *A New Class of 4-(Hydroxyaryl)-1,3-Dithiolium Chlorides*, **REVISTA DE CHIMIE** (Bucharest), 66, 8, 1151-1154, 2015, **Impact Factor = 0,810/2014**, Author Factor = **0,135**;
14. R.A. CRISTACHE, I.C.A. SANDU, A.E. SIMIONESCU, V. VASILACHE, A.M. BUDU, **I. SANDU**, *Multi-analytical study of the paint layers used in authentication of icon from XIXth century*, **REVISTA DE CHIMIE (Bucharest)**, 66, 7, 1036-1039, 2015, **Impact Factor = 0,810/2014**, Author Factor = **0,135**;
15. I.V. ASAFTEI, K. EARAR, L.M. BIRSA, I.G. SANDU, N.C. LUNGU, **I. SANDU**, *Conversion of light hydrocarbons with butanes and butenes from petroleum refining processes over Zn-HZSM-5 and ZnO/HZSM-5 catalysts*, **REVISTA DE CHIMIE** (Bucharest), 66, 7, 980-986, 2015. **Impact Factor = 0,810/2014**, Author Factor = **0,135**;
16. A.V. SANDU, A. CIOMAGA, G. NEMTOI, M.M.A.B. ABDULLAH **I. SANDU**, *Corrosion of Mild Steel in River Water*, **INSTRUMENTATION SCIENCE & TECHNOLOGY**, 43, 6, 2015, pp.545-557, DOI:10.1080/10739149.2015.1020432, ISI Factor **0.539/2014**; Author Factor = **0,108**;
17. C. ADOMNITEI, N. CORNEI, D. LUCA, **I. SANDU**, V. VASILACHE, M. DOBROMIR, D. MARDARE, *The Influence of Ni doping on the Surface Wettability of TiO2 Thin Films*, **JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS**, 17, 5-6, 2015, pp. 889-893, Impact Factor = 0.516/0.295, Author Factor = **0,129**;

18. L.R. MANEA, B. CRAMARIUC, R. CRAMARIUC, R. SCARLET, **I. SANDU**, V. POPESCU, *Equipment for obtaining polymeric nanofibers by electrospinning technology II. The Obtaining Polymeric Nanofibers*, **MATERIALE PLASTICE**, Bucharest, 52, 2, 180-185, 2015, Impact Factor = **0,824/2014**, Author Factor = **0,137**;
19. V. PELIN, I. HU ANU, E. BOR , V. VASILACHE, **I. SANDU**, M. BRÂNZIL , *Impact on Surface Treatment of Hydrophobic Consolidation Terracotta Ornaments*, **KEY ENGINEERING MATERIALS** (Trans Tech Publications), Vol 660, 2015, pp 369-376, doi:10.4028/www.scientific.net/KEM.660.369,
20. A.-M. BUDU, **I. SANDU**, K. EARAR, *The Effects of Incenses' Smoke on Different Types of Varnishes*, **KEY ENGINEERING MATERIALS** (Trans Tech Publications), Vol 660, 2015, pp 377-382, doi:10.4028/www.scientific.net/KEM.660.377,
21. M. MUNTEANU, **I. SANDU**, V. VASILACHE, I. C.A. SANDU, *The Study of Ornamental Gildings in Old Tempera Icons, from the XVIII-th Century*, **KEY ENGINEERING MATERIALS** (Trans Tech Publications), Vol 660, 2015, pp 389-395, doi:10.4028/www.scientific.net/KEM.660.389,
22. V. VASILACHE, V. COTIUG , **I. SANDU**, T.T. PL CINT , O. MIRCEA, *Study of an Old Coin Set Using Nondestructive Techniques*, **KEY ENGINEERING MATERIALS** (Trans Tech Publications), Vol 660, 2015, pp 396-401, doi:10.4028/www.scientific.net/KEM.660.396,
23. F.A. TENCARIU, M. ALEXIANU, V. COTIUGA, V. VASILACHE, **I. SANDU**, *Briquetage and salt cakes: An experimental approach of a prehistoric technique*, **JOURNAL OF ARCHAEOLOGICAL SCIENCE** (ISSN: 0305-4403), 59, 2015, pp. 118-131, doi:10.1016/j.jas.2015.04.016, Impact Factor = **2.196/2013**, Author Factor = **0,459**;
24. I. HUTANU, **I. SANDU**, V. VASILACHE, L. NICA, I.C.A. SANDU, *Study Concerning the Consolidation of Degraded Pictural Layer with Acrylic Binder*, **REVISTA DE CHIMIE** (Bucharest), 66, 6, 895-900, 2015, **Impact Factor = 0,677/SRI 0.135**, Author Factor = **0,135**;
25. L.R. MANEA, M.C. DANU, **I. SANDU**, *Effect of the applied electric voltage and flow rate on electrospun fibers diameter*, **REVISTA DE CHIMIE**, (Bucharest), 66, 6, 868-873, 2015, **Impact Factor = 0,810/2014**, Author Factor = **0,270**;
26. G. ROMANESCU, G.M. COJOC, I.G. SANDU, A. TIRNOVAN, D. D SC LIȚA, **I. SANDU**, *Pollution sources and water quality in the Bistri a catchment (Eastern Carpathians)*, **REVISTA DE CHIMIE**, (Bucharest), 66, 6, 855-863, 2015 **Impact Factor = 0,810/2014**, Author Factor = **0,135**;
27. L.R. MANEA, R. SCARLET, A.L. LEON, **I. SANDU**, *The control of process of nanofibers production through electrospinning*, **REVISTA DE CHIMIE** (Bucharest), 66, 5, 640-644, 2015, **Impact Factor = 0,810/2014**, Author Factor = **0,205**;
28. I.V. ASAFTEI, **I. SANDU**, L.R. MANEA, L.M. BIRSA, K. EARAR, *Conversion of industrial feedstock mainly with butanes and butenes over HZSM-5 and Zn/HZSM-5 catalysts (nitrate)*, **REVISTA DE CHIMIE** (Bucharest), 66, 5, 673-680, 2015, **Impact Factor = 0,810/2014**, Author Factor = **0,162**;
29. I.C.A. SANDU, M. HAYASHI, V. VASILACHE, D.G. COZMA, S. PRUTEANU, M. URMA, **I. SANDU**, **REVISTA DE CHIMIE** (Bucharest), 66, 4, 587-595, 2015, **Impact Factor = 0,810/2014**, Author Factor = **0,116**;
30. G. MARUSIC, **I. SANDU**, C. FILOTE, V. BESLIU, N. SEVCENCO, B. STEFANESCU, V. VASILACHE, M.-A. CRETU, *The Modeling of Spacial – Temporal Evolution of Fluoride Dispersion in “River-Type” Systems*, **REVISTA DE CHIMIE** (Bucharest), 66, 4, 503-506, 2015, **Impact Factor = 0,810/2014**, Author Factor = **0,102**;
31. O. CONSTANDACHE, A. CEREMPEI, R. MURESAN, I.C.A. SANDU, A. MURESAN, **I. SANDU**, *Study of dyeing and obtaining antimicrobial effects of virgin and recycled polyester fibers*, **MATERIALE PLASTICE**, Bucharest, 52, 1, 24-27, 2015, Impact Factor = 0,463/0.101, Author Factor = **0,077**;
32. L.R. MANEA, B. CRAMARIUC, V. CAUNII, R. SCARLET, **I. SANDU**, *Equipment for obtaining polymeric nanofibers by electrospinning technology I. Constructive and functional elements of the Computerized Electrospinning Equipment*, **MATERIALE PLASTICE**, Bucharest, 52, 1, 82-86, 2015, Impact Factor = 0,463/0.101, Author Factor = **0,092**;
33. I. HUȚANU, L. NICA, **I. SANDU**, V. VASILACHE, A.V. SANDU, *Acrylic Binder Used for the Consolidation of Gilded Surfaces*, **APPLIED MECHANICS AND MATERIALS**, Vols. 754-755 (2015) pp 624-628, *Trans Tech Publications, Switzerland*, doi:10.4028/www.scientific.net/AMM.754-755.624.
34. M. MUNTEANU, **I. SANDU**, V. VASILACHE, A.V. SANDU, M.M. AI BAKRI ABDULLAH, I.C.A. SANDU, *Study of a XVIII-th century triptych: materials and technologies used and conservation state*, **APPLIED MECHANICS AND MATERIALS**, Vols. 754-755 (2015) pp 644-648, *Trans Tech Publications, Switzerland*, doi:10.4028/www.scientific.net/AMM.754-755.644.
35. R.A. CRISTACHE, A.V. SANDU, V. VASILACHE, **I. SANDU**, *Thermal Degradation of a Wood Painting Support From XIXth Century*, **APPLIED MECHANICS AND MATERIALS**, Vols. 754-755 (2015) pp. 703-707, *Trans Tech Publications, Switzerland*, doi:10.4028/www.scientific.net/AMM.754-755.703.

36. A.-M. BUDU, R. CRISTACHE, A.V. SANDU, V. VASILACHE, M.M. AL BAKRI ABDULLAH, **I. SANDU**, *Study of Coloured Lakes Used for the Covering of Silver Leaf in Ecclesial Art of the First Half of 19th Century*, **APPLIED MECHANICS AND MATERIALS**, Vols. 754-755 (2015) pp. 714-718, *Trans Tech Publications, Switzerland*, doi:10.4028/www.scientific.net/AMM.754-755.714.
37. M. INCEU, A. MEGHESAN, **I. SANDU**, A. HOSU, C. CIMPOIU, *A study concerning pesticide residues in twenty-seven romanian white wines*, **REVISTA DE CHIMIE**, (Bucharest), 66, 3, 368-373, 2015, **Impact Factor = 0,810/2014**, Author Factor = 0,135;
38. R.A. CRISTACHE, I.C.A. SANDU, A.M. BUDU, V. VASILACHE, **I. SANDU**, *Multi-analytical study of an ancient icon on wooden panel*, **REVISTA DE CHIMIE**, (Bucharest), 66, 3, 348-352, 2015, **Impact Factor = 0,810/2014**, Author Factor = 0,162;
39. **I. SANDU**, M. CANACHE, A.V. SANDU, T. MIHAESCU, M. CHIRAZI, L.E. CHECHERITA, I.G. SANDU, *The Influence of NaCl Aerosols on Weight and Height Development of Children*, **ENVIRONMENTAL MONITORING AND ASSESSMENT**, ISSN: 0167-6369 (Print) 1573-2959 (Online), 187, 15, 2015, DOI 10.1007/s10661-014-4239-y, ISI Factor **1.679/SRI 0.446/0.749**, Author Factor = 0,240;
40. M. MUNTEANU, **I. SANDU**, V. VASILACHE, A.-M. BUDU, I.C.A. SANDU, *Study of Modifying the Level of Oxygen Inside the Cryptoclimat for Stopping the Xylophagous Atac on Old Icon Panel*, **REVISTA DE CHIMIE**, (Bucharest), 66, 2, 187-190, 2015, Impact Factor = **0,810/2014**, Author Factor = 0,162;
41. **I. SANDU**, R.I. OLARIU, I.G. SANDU, C. STIRBU, C. PASCU, V. VASILACHE, D. VIONE, C. ARSENE, *Investigation of the dynamics and kinetics involved in saline aerosol generation under air erosion of pure and contaminated halide salt*, **JOURNAL OF AEROSOLS SCIENCE (ISSN: 0021-8502)**, 81, 3, 100-109, 2015, Impact Factor = **2.705/2.674**, Author Factor = 0.338;
42. L.G. SARBU, **I. SANDU**, L.G. BAHRIN, A. B. LAN, M.O. APOSTU, *New Bromo Substituted 1,3-Dithiol-2-ylilium Salts*, **REVISTA DE CHIMIE**, (Bucharest), 66, 1, 55-59, 2015 Impact Factor = **0,677/0.179**, Author Factor = 0,135;
43. **I. SANDU**, M. CANACHE, T. MIHAESCU, M. CHIRAZI, A.V. SANDU, L.M. TRANDAFIR, A.C. LUCA, L.E. CHECHERITA, *The Influence of NaCl Aerosols on the Functional Characteristics on Children*, **REVISTA DE CHIMIE**, (Bucharest), 66, 1, 60-65, 2015, Impact Factor = **0,677/0.179**, Author Factor = 0,085;

b. Articole publicate în reviste interna ionale in BDI, f r factor de impact (5):

1. P. SPIRIDON, **I. SANDU**, *Conservation of cultural heritage: from participation to collaboration*, **JOURNAL OF CULTURAL MANAGEMENT AND POLICY (ENCATC)** (ISSN 2224-2554/www.journal.encatc.org), **5**, no. 1, 2015, pp. 43-53;
2. **I. SANDU**, A.M. CRETU, J. SIELIECHI, A.V. SANDU, V. VASILACHE, I.G. SANDU, *The use of ceramics to eliminate the desirable traces following the water potabilization operations*, **Colloque International „Biodiversite et changements globaux: valorization des effluents des industries, des residus agropastoraux et foerestiers”**(Editeurs scientifique: C. Kapseu, W. Nzie, E. Nso, J. Sieliechi, H. Ngomo), 21-23 juillet 2015, L’Universite de Ngaoundere, Cameroun, 2015, pp. 148-150;
3. A.-M. BUDU, **I. SANDU**, *Monitoring of Pollutants in Museum Environment*, **PRESENT ENVIRONMENT AND SUSTAINABLE DEVELOPMENT** (ISSN 1843-5971), **9**, Issue 2, 2015, pp. 173–180, DOI: 10.1515/pesd-2015-0034
4. S. PRUTEANU, **I. SANDU**, V. VASILACHE, *Modern procedures used in cleaning old, illegibly and blackened icons*, **PRESENT ENVIRONMENT AND SUSTAINABLE DEVELOPMENT** (ISSN 1843-5971), **9**, 1, 2015, p. 219-236, DOI 10.1515/pesd-2015-0016;
5. F.-A. TENCARIU, D.-M. VORNICU, A. VORNICU, V. VASILACHE, **I. SANDU**, *The ‘Deposition’ of a Disc-Butted Bronze Axe Discovered in the Moldavian Plateau, Romania*, **STUDIA ANTIQUA ET ARCHAEOLOGICA** (ISSN (print): 1224-2284, ISSN (online): 2392-6031), 20(1), 2015, pp. 115-132;

c. Articole publicate în volumele simpozioanelor interna ionale, cu ISBN sau ISSN, f r factor de impact (7):

1. M. MUNTEANU, **I. SANDU**, V. VASILACHE, *Disadvantages of using polymers in restoration of old icons on wood panels*, **Green Conservation of Cultural Heritage**, Poster Session October 27, Chemistry Museum «Primo Levi», Sapienza University Roma, P 15, p. 5.
2. V. PELIN, **I. SANDU**, S. GURLUI, M. BRÂNZIL , V. VASILACHE, E. BOR , I.G. SANDU, *Colorimetric research of various old lithic materials treated with hydrophobic pellicle, in view of their restoration and consolidation*, **The second edition of the international conference COLOURS2015: Bridging Science with Art**, to be held in Évora University from 24 to 26 September, 2015, P 20, p. 102.
3. M. MUNTEANU, A.E. SIMIONESCU, R. CRISTACHE, **I. SANDU**, *The conservation state of two gilded wood icons from the XVIII-th century*, **Book of Abstract of The International Conference on Gilding Materials and Techniques in European Arts, GILT-EnART 2015** (Edited by I.C.A. SANDU), Evora 25-27 of May 2015 Ed. PIM Iasi (ISBN 978-606-13-2466-8), 2015, p. 35.
4. V. VASILACHE, **I. SANDU**, S. PRUTEANU, M. MUNTEANU, *The effect of applying bronze coating on wooden gilded ornaments from the nineteenth century*, **Book of Abstract of The International Conference on Gilding Materials and Techniques in European Arts, GILT-EnART 2015** (Edited by I.C.A. SANDU), Evora 25-27 of May 2015 Ed. PIM Iasi (ISBN 978-606-13-2466-8), 2015, p. 39.
5. L. NICA, I. HUTANU, V. VASILACHE, **I. SANDU**, *A study concerning the use of re-gilding on the chromatic reintegration of an old icon*, **Book of Abstract of The International Conference on Gilding Materials and Techniques in European Arts, GILT-EnART 2015** (Edited by I.C.A. SANDU), Evora 25-27 of May 2015 Ed. PIM Iasi (ISBN 978-606-13-2466-8), 2015, p. 40.
6. I. HUTANU, L. NICA, V. VASILACHE, **I. SANDU**, *A study concerning the influence on acrylic consolidating agents on gold gilding and schlagmetal*, **Book of Abstract of The International Conference on Gilding Materials and Techniques in European Arts, GILT-EnART 2015** (Edited by I.C.A. SANDU), Evora 25-27 of May 2015 Ed. PIM Iasi (ISBN 978-606-13-2466-8), 2015, p. 41.
7. A.-M. BUDU, , I. HUTANU, V. VASILACHE, **I. SANDU**, *The behaviour of schlagmetal applied on different types of gilding size*, **Book of Abstract of The International Conference on Gilding Materials and Techniques in European Arts, GILT-EnART 2015** (Edited by I.C.A. SANDU), Evora 25-27 of May 2015 Ed. PIM Iasi (ISBN 978-606-13-2466-8), 2015, p. 91.

d. Articole publicate în volume române ti, cu ISBN sau ISSN, ale simpoziunelor interna ionale, f r factor de impact (15):

1. V. PELIN, **I. SANDU**, S. GURLUI, M. BR NZIL , V. VASILACHE, I.G. SANDU, *The impact of hydrophobization and consolidation treatments on some indigenous lithic calcareous materials used in the restoration interventions of some historical monuments*, **The XIth International Symposium Priorities of Chemistry for a Sustainable Development PRIOCHEM, 2**. Ingineria Mediului i Protectia Patrimoniului Cultural (25-30 Oct, 2015, ICECHIM Bucuresti), **BOOK OF ABSTRACTS** (ISSN 2285-8334), ICECHIM, Bucharest, 2015, S2 – P – 14, p. 92;
2. M. PADURARU, O. TANASA, D. POTOLINCA, V. VASILACHE, **I. SANDU**, *identification, structural and archaeometric characterization of a violin from the XIXth century, copy model Antonius Stradivarius 1713*, **The XIth International Symposium Priorities of Chemistry for a Sustainable Development PRIOCHEM, 2**. Ingineria Mediului i Protectia Patrimoniului Cultural (25-30 Oct, 2015, ICECHIM Bucuresti), **BOOK OF ABSTRACTS** (ISSN 2285-8334), ICECHIM, Bucharest, 2015, S5 – P – 8. p. 162;
3. D. POTOLINCA, I.C. NEGRU, M. PADURARU, V. VASILACHE, **I. SANDU**, *Identification and characterization of the illicit archeometric goods at the crossing border*, 5 – Sectiunea doctoranzilor, **The XIth International Symposium Priorities of Chemistry for a Sustainable Development PRIOCHEM, 2**. Ingineria Mediului i Protectia Patrimoniului Cultural (25-30 Oct, 2015, ICECHIM Bucuresti), **BOOK OF ABSTRACTS** (ISSN 2285-8334), ICECHIM, Bucharest, 2015, S5 – P – 9. p. 163;
4. M. MUNTEANU, **I. SANDU**, V. VASILACHE, *Characterization techniques used in the scientific investigation of old panel paintings*, **The Third International Conference of Young Researchers “New Trends In Environmental And Materials Engineering”** (TEME), 21 – 23 October 2015, Galati, Romania, P. 36, p. 5;
5. V. PELIN, **I. SANDU**, S. GURLUI, M. BR NZIL , V. VASILACHE, I.G. SANDU, *The evaluation of artificial aging rate by exposure to UV radiations of some indigenous carbonate rocks treated with aqueous nanodispersions for waterproofing and consolidation*, **The Third International Conference of Young**

- Researchers “New Trends In Environmental And Materials Engineering” (TEME), 21 – 23 October 2015, Galati, Romania, P. 43, p. 6;
6. D. POTOLINCA, I.C. NEGRU, V. VASILACHE, M. PADURARU, **I. SANDU**, O.P. TANASA, *Examination of the paper from the counterfeited documents, The Third International Conference of Young Researchers “New Trends In Environmental And Materials Engineering”* (TEME), 21 – 23 October 2015, Galati, Romania, P. 61, p. 8;
 7. M. PADURARU, O. TANASA, D. POTOLINCA, V. VASILACHE, **I. SANDU**, *Identification of forged and counterfeit travel documents using modern methods and techniques. safety elements and other structural components forged, The Third International Conference of Young Researchers “New Trends In Environmental And Materials Engineering”* (TEME), 21 – 23 October 2015, Galati, Romania, CP. 4, p. 2;
 8. M. MUNTEANU, **I. SANDU**, A.T. CALDEIRA, K. EARAR, *The study of microbiological attacks on a XVIII-th century wooden icon panel. Identification and preservation, The Xth International Symposium Present Environment and Sustainable Development*, 05-07 June, 2015, Iasi, Section V, Part. I. p. 28.
 9. P. SPIRIDON, **I. SANDU**, *Politici de Mediu privind prezervarea sustenabila a Patrimoniului Cultural, The Xth International Symposium Present Environment and Sustainable Development*, 05-07 June, 2015, Iasi, Section V, Part. I. p. 27.
 10. V. PELIN, I. HUTANU, E. BORS, V. VASILACHE, **I. SANDU**, M. BRANZILA, *Impact on Surface Treatment of Hydrophobic Consolidation Terracotta Ornaments, ICIR 2015, International Conference on Innovative Research*, (Editors A.V. SANDU, M.M.A.B. ABDULLAH, P. VIZUREANU, Z. YANYA, I. SANDU,), Ed. PIM, Iasi, (ISBN: 978-606-13-2474-5), 2015, pp. 92-93.
 11. V. VASILACHE, V. COTIUGA, **I. SANDU**, T.T. PL CINTA, O. MIRCEA, *Study of an Old Coin Set Using Nondistructive Techniques, ICIR 2015, International Conference on Innovative Research*, (Editors A.V. SANDU, M.M.A.B. ABDULLAH, P. VIZUREANU, Z. YANYA, I. SANDU,), Ed. PIM, Iasi, (ISBN: 978-606-13-2474-5), 2015, pp. 94-95.
 12. M. MUNTEANU, **I. SANDU**, V. VASILACHE, I.C.A. SANDU, *The Study of Ornamental Gildings in Old Tempera Icons, from the XVIII-th Century, ICIR 2015, International Conference on Innovative Research*, (Editors A.V. SANDU, M.M.A.B. ABDULLAH, P. VIZUREANU, Z. YANYA, I. SANDU,), Ed. PIM, Iasi, (ISBN: 978-606-13-2474-5), 2015, pp. 95-96.
 13. , A.-M. BUDU, **I. SANDU**, K. EARAR, *The Effects of Incenses’ Smoke on Different Types of Varnishes, ICIR 2015, International Conference on Innovative Research*, (Editors A.V. SANDU, M.M.A.B. ABDULLAH, P. VIZUREANU, Z. YANYA, I. SANDU,), Ed. PIM, Iasi, (ISBN: 978-606-13-2474-5), 2015, pp. 96-97.
 14. **I. SANDU**, I.G. SANDU, A.V. SANDU, *Atitudini si reflectii actuale privind inventica româneasc , Scientific, Technological and Innovative Research in Current European Context (Euroinvent, International Workshop)*, (Chairman I. SANDU), Ed. PIM, Iasi, (ISBN: 978-606-13-2474-3), 2015, p. 413-432.
 15. M. CANACHE, **I. SANDU**, D. CANACHE, A.V. SANDU, V. VASILACHE, I.G. SANDU, *Corela ii între mediul ambient cu aerosoli i starea de s n tate a copiilor, Scientific, Technological and Innovative Research in Current European Context (Euroinvent, International Workshop)*, (Chairman I. SANDU), Ed. PIM, Iasi, (ISBN: 978-606-13-2474-3), 2015, p. 456-475.

e. Articole publicate în reviste na ionale tiin ifice de specialitate, f r factor de impact (0):

1.

f. Articole publicate în volumele unor manifest ri tiin ifice na ionale, f r factor de impact (1):

1. D. POTOLINCA, C. I. NEGRU, V. VASILACHE, M. PADURARU, **I. SANDU**, O. P. TANASA, *Chemistry expertise to polymeric supports from the counterfeit documents, „Alexandru Ioan Cuza” Univeristy Daye – Faculty Chemistry Conference*, Session Poster, 2015, Iasi, p. 11.

g. Comunicari/postere la manifestari stiintifice internationale/na ionale (2):

1. *Aspecte moderne ale Stiintei Conservarii, A XXXVII-a Sesiune Nationala de Comunicari Stiintifice ACTA MOLDAVIAE MERIDIONALIS*, Vaslui, Muzeul Judetean Stefan cel Mare, 24-25 Sept. 2015

2. Manifestarile Culturale Zilele Municipiului Moinesti, 4-6 sept. 2015, Colocviu Societatea Cultural Literara TRISTAN TZARA, Biblioteca Municipala.

h. Inven ii (3) si dosare (2):

1. P. MIHOC, **I. SANDU**, C. HONCERIU, M. CHIRAZI, A.V. SANDU, *Board for streetball and a new game – twizball*, **RO130548 (A2)/30.09.2015**, FILE OSIM RO20140000206 20140317, Applicant: Univ Alexandru Ioan Cuza din Iasi
2. **I. SANDU**, C. LUCA, I.C.A. SANDU, M. HAYASHI, I.G. SANDU, V. VASILACHE, A.V. SANDU, *Method for determining normal range of variation of equilibrium moisture content*, **RO123644 (B1) 2015-08-28**, Application number: RO20080000175 20080304, Applicant: Univ Alexandru Ioan Cuza din Iasi
3. **I. SANDU**, G. POPA, C. KISS, L. GORGAN, V. SIRBU, V. VASILACHE, A.V. SANDU, D. POTOLINCA, G. DROCHIOIU, I.G. SANDU, *Polygraph with Integrated Co-Assistance System and Testing Method Using The Same*, **Patent RO130149 (A2) 2015-04-30**, Application number: RO20130000609 20130819, Applicant: Univ Alexandru Ioan Cuza din Iasi

Dosare (2):

1. K. EARAR, A.V. SANDU, M.N. MATEI, I. SANDU, Past de dinți ecologic , cu multiple utilizari, Dosar AGEPI 5940/27.04.2015, A20150038, titular Institutul de Chimie al Academiei de Stiinte al Moldovei.
2. K. EARAR, L. PASCU, A.V. SANDU, M.N. MATEI, I. SANDU, Past de dinți ecologică, cu multiple utilizari, Dosar OSIM nr. A/00734/16.10.2015, Titulat Forumul Inventatorilor Romani.

i. Lucr ri tiin ifice, inven ii i c r i în care sunt citate lucr rile personale (256):

1. A. Valipour, Y.-H. Ahn, *Constructed wetlands as sustainable ecotechnologies in decentralization practices: a review*, **Environmental Science and Pollution Research** (ISSN: 0944-1344 eISSN: 1614-7499), 22, 24, 2015, pp. XXX-XXX (**ISI Factor 2.828/2014**), **cit. ref. no. Copcia** (*Copcia V, Hristodor C, Luchian C, Bilba N, Sandu I (2010) Ammonium nitrogen removal from aqueous solution by natural clay. Rev Chim 61:1192-1196*);
2. J. Fiedler, A. Ehrmann, *Influence of surface micro- and macro-structure on measured and real contact angles*, **International Textile Conference Aachen-Dresden, 26-27 Nov. 2015**, https://www.researchgate.net/profile/Andrea_Ehrmann/publication/284732355_Influence_of_surface_micro-and_macro-structure_on_measured_and_real_contact_angles/links/5658af8508ae1ef9297df762.pdf, **cit. ref. no. 9**. (*Popescu V., Sandu I., Muresan E. I., Istrate B., Lisa G., Effects of the Pre-treatment with Atmospheric-Air Plasma Followed by Conventional Finishing; Revista de Chimie 65, 2014, pp. 678- 683*);
3. D. Wiyono, Antoni, D. Hardjito, *Improving the Durability of Pozzolan Concrete Using Alkaline Solution and Geopolymer Coating*, **Procedia Engineering (Civil Engineering Innovation for a Sustainable)**, Volume 125, 2015, Pages 747–753, doi:10.1016/j.proeng.2015.11.121, **cit. ref. no. 9** (*A.R. Rafiza, A.M. Mustafa Al Bakri, H. Kamarudin, I. Khairul Nizar, I. Sandu, D. Hardjito, Y. Zarina, Study on Radioactivity Components, Water Quality and Microstructure Characteristic of Volcano Ash as Geopolymer Artificial Aggregate Revista de Chimie, 64 (6), 2013, pp. 593–598*);
4. A. Popovici, O. Corbu, G.-E. Popita, C. Rosu, M. Proorocu, A.V. Sandu, M. Mustafa Al Bakri Abdullah, *Modern Mortars with Electronic Waste Scraps (Glass and Plastic)*, **Materiale Plastice** (ISSN 0025-5289), 52, 4 2015, pp. 588-592 (ISI Factor 0.824/2014), **cit ref. no. 5**. (*Buruiana, D.L., Bordei, M., Sandu, I.G., Chirculescu, A.I., Sandu, I., Mat. Plast., 50, no. 1, 2013, p. 36*);
5. K. Earar, D. Cerghizan, A.V. Sandu, M.N. Matei, R. Leata, I.G. Sandu, C. Bejinariu, M. Coman, *The Role of Functional Polymers in the Optimization of the Acrylic Biomaterials Used in Removable Prosthetic Restoration II. Assessment of traction test and antifungal activity*, **Materiale Plastice** (ISSN 0025-5289), 52, 4 2015, pp. 487-493 (ISI Factor 0.824/2014), **cit ref. no. 36**. (*Bercu, E., Sandu, I., Aldea, H.A., Vasilache, V., Toma, V., Rev. Chim. (Bucharest), 64, no. 10, 2013, p. 1121*);
6. D. Harandi, H. Ahmadi, M. Mohammadi Achachluei, *Evaluation of the Structural Changes in Wood Modified Nano-Tio2 and Nano-ZnO as UV Protection*, **Journal of Color Science and Technology**, (2015),

46. (A. A. T. Traistaru, M. C. Timar, M. Campean, C. Croitoru, I. Sandu, *Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as with Nano-ZnO Additive as Consolidants for Wooden Artefacts*. **Mater. Plast.** 49(2012), 293-300.)
7. C. Ruberto, A. Mazzinghi, M. Massi, L. Castelli, C. Czelusniak, L. Palla, N. Gelli, M. Betuzzi, A. Impallari, R. Brancaccio, E. Peccenini, M. Raffaelli, *Imaging study of Raffaello's "La Muta" by a portable XRF spectrometer*, **Microchemical Journal**, 2015, doi:10.1016/j.microc.2015.11.037, cit. ref. no. 17 (*I. Hutanu, I. Sandu, V. Vasilache, L. Nica, Studies on wood consolidation and completing gaps in panel paintings*, **Pro Ligno**, 9 (4) (2013), pp. 299–305);
 8. C. Defo, B.P. Kfuban, Y Ives Magloire Kengne Noumsi, N. Bemmo, *Assessment of heavy metals in soils and groundwater in an urban watershed of Yaoundé (Cameroon-West Africa)*, **Environmental Monitoring and Assessment An International Journal, Devoted to Progress in the Use of Monitoring Data in Assessing Environmental Risks to Man and the Environment**, ISSN 0167-6369, Volume 187, Number 3, 2015, pp. 1-17 **cit. ref. no.** (*Kouamé, I. K., Kouassi Lazare, K. B. D., Kouamé, M. A., Loan, D. R., Romanescu, G., Issiaka, S., & Sandu, I. (2013). Potential groundwater pollution risks by heavy metals from agricultural soil in Songon area (Abidjan, Côte d'Ivoire). Journal of Environmental Protection. doi:10.4236/jep.2013.ID 412165*);
 9. C.C. Stoleriu, G. Romanescu, A.M. Romanescu, A. Mihu-Pintilie, *Morpho-bathymetrical conditions and the silting rate in Stanca-Costesti reservoir (Romania)*, **Wulfenia Journal**, 22, No. 2, 2015, pp.451-470, **cit. ref. no.** (*Romanescu G., Cretu M.A., Sandu I.G.; Paun E., Sandu I. 2013b. Chemism of Streams within the Siret and Prut drainage basins: Water resources and management. Revista de Chimie (Bucharest), 64(12):1416-1421*);
 10. C.C. Stoleriu, G. Romanescu, A.M. Romanescu, A. Mihu-Pintilie, *Morpho-bathymetrical conditions and the silting rate in Stanca-Costesti reservoir (Romania)*, **Wulfenia Journal**, 22, No. 2, 2015, pp.451-470, **cit. ref. no.** (*Romanescu G., Sandu I., Stoleriu C., Sandu I.G. 2014. Water resources in Romania and their quality in the main lacustrine basins. Revista de Chimie (Bucharest), 63(3):344-349*);
 11. P. Ebrahimi, M. Mohammad Esmaeili, S. Ganji, A. Sattarian, H. Sabouri, *Cyanogenic glucoside determination in Sorghum Halepense (L.) Pers. Leaves at the different growth stages*, **Bulgarian Chemical Communications**, Volume 47, Number 2 (pp. 565 – 570) 2015, **cit. ref. no. 18.** (*G. Drochioiu, K. Popa, D. Humelnicu, M. Murariu, I. Sandu, A. Cecal, Toxicol. Envir. Chem., 90, 221, 2007*).
 12. V. Popescu, I.C.A. Sandu, G. Popescu, A. Popa, C.–D. Radu, *Colorimetric Answer of Monochlorotriazinyl- -cyclodextrin Grafted onto PAN Support Chemical Modified with NaOH and Amines*, **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1765-1771, (**ISI Factor 0.810/2014**), **cit. ref. no. 37.** (*Sandu, I., Sandu, I.C.A., Sandu, I.G., Colorimetry in Art, Ed. Corson, Iasi, 2002*);
 13. V. Popescu, I.C.A. Sandu, G. Popescu, A. Popa, C.–D. Radu, *Colorimetric Answer of Monochlorotriazinyl- -cyclodextrin Grafted onto PAN Support Chemical Modified with NaOH and Amines*, **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1765-1771, (**ISI Factor 0.810/2014**), **cit. ref. no. 39.** (*Sandu, I., Luca, C., Sandu, I.C.A., Ciocan, A., Suliteanu, N., Rev. Chim. (Bucharest), 52, no. 9, 2001, p. 485*);
 14. V. Popescu, I.C.A. Sandu, G. Popescu, A. Popa, C.–D. Radu, *Colorimetric Answer of Monochlorotriazinyl- -cyclodextrin Grafted onto PAN Support Chemical Modified with NaOH and Amines*, **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1765-1771, (**ISI Factor 0.810/2014**), **cit. ref. no. 40.** (*Saviuc-Paval, A.M., Sandu, A.V., Popa, I.M., Sandu, I.C.A., Berteau, A.P., Sandu, I., Microscopy Research and Technique, 76, no. 6, 2013, p. 564*);
 15. V. Popescu, I.C.A. Sandu, G. Popescu, A. Popa, C.–D. Radu, *Colorimetric Answer of Monochlorotriazinyl- -cyclodextrin Grafted onto PAN Support Chemical Modified with NaOH and Amines*, **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1765-1771, (**ISI Factor 0.810/2014**), **cit. ref. no. 53.** (*Saviuc-Paval, A.M., Sandu, I., Popa, I.M., Sandu, I.C.A., Vasilache, V., Sandu, I.G., Rev. Chim. (Bucharest), 63, no. 2, 2012, p. 170*);
 16. A.M. Bargan (Mateiuc), G. Ciobanu, T. Malutan, C. Luca, *Influence of Cerium(IV) and Bismuth(III) on the Luminescence Properties of the Nanocrystalline Hydroxyapatite* **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1910-1913, (**ISI Factor 0.810/2014**), **cit. ref. no. 13.** (*Sandu, I., Popescu-Ciocirlie, I., Gruia, I., Calancia, O., Cosma, D.G., Sandu, I.G., Cozma, D.G., Rev. Chim. (Bucharest), 49, no. 11, 1998, p. 756*);
 17. M. Bargan (Mateiuc), G. Ciobanu, T. Malutan, C. Luca, *Influence of Cerium(IV) and Bismuth(III) on the Luminescence Properties of the Nanocrystalline Hydroxyapatite* **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1910-1913, (**ISI Factor 0.810/2014**), **cit. ref. no. 14.** (*Sandu, I., Popescu-Ciocirlie, I., Gruia, I., Calancia, O., Limisca, G., Sandu, I.G., Rev. Chim. (Bucharest), 49, no. 10, 1998, p. 673*);

18. G. Bumbac, D. Bombo, *CO₂ Capture on Zeolites for Sustainable Energy Production*, **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1891-1895, (ISI Factor 0.810/2014), cit. ref. no. 15. (ASAFTEI, I.V., EARAR, K., BIRSA, L.M., SANDU, I.G., LUNGU, N.C., SANDU, I., Rev. Chim. (Bucharest), 66, no. 7, 2015, p. 963);
19. C. Furnica, M-M. Leon Constantin, R.O. Chistol, A.-I. Alexa, S. Constantin, G. Tinica, *Inadequate Medication Side Effects in Psychiatric Pathology*, **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1864-1866, (ISI Factor 0.810/2014), cit. ref. no. 14. (CERNAT, R.I., MOCANU, R.D., POPA, E., SANDU, I., OLARIU, R.I., ARSENE, C., Rev. Chim. (Bucharest), 61, no. 11, 2010, p. 1130);
20. M. Axinte, C. Nejneru, M.-C. Perju, A.V. Sandu, M.-D. Aelenei, M. Costea, *Corrosion Behaviour of Some Steels in Black Sea Water*, **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1846-1851, (ISI Factor 0.810/2014), cit. ref. no. 16. (Sandu, A.V., Ciomaga, A., Nemtoi, G., Abdullah, M.M.A., Sandu, I., *Instrumentation Science & Technology*, 43, No. 5, 2015, p. 545);
21. M. Axinte, C. Nejneru, M.-C. Perju, A.V. Sandu, M.-D. Aelenei, M. Costea, *Corrosion Behaviour of Some Steels in Black Sea Water*, **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1846-1851, (ISI Factor 0.810/2014), cit. ref. no. 17. (Sandu, A.V., Ciomaga, A., Nemtoi, G., Bejinariu, C., Sandu, I., *Microscopy Research and Technique*, 75, No. 12, 2012, p. 1711);
22. O. Borhan, A. Muresan, C.D. Radu, E. Muresan, C. Rimbu, I.G. Sandu, *Silver Nanoparticles Used to Obtain Cellulosic Materials with Antibacterial Properties*, **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1796-1801, (ISI Factor 0.810/2014), cit. ref. no. 7. (Tura, V., Tofoleanu, F., Mangalagiu, I., Mindru, T.B., Brinza, F., Sulitanu, N., Sandu, I., Raileanu, D., Ionescu, C., *Journal of Optoelectronics and Advanced Materials*, 10, no. 12, 2008, p. 3505);
23. O. Borhan, A. Muresan, C.D. Radu, E. Muresan, C. Rimbu, I.G. Sandu, *Silver Nanoparticles Used to Obtain Cellulosic Materials with Antibacterial Properties*, **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1796-1801, (ISI Factor 0.810/2014), cit. ref. no. 9. (Tofoleanu, F., Mindru, T.B., Brinza, F., Sulitanu, N., Sandu, I.G., Raileanu, D., Floristean, V., Hagi, B., Ionescu, C., Sandu, I., Tura, V., *Journal of Optoelectronics and Advanced Materials*, 10, no. 12, 2008, p. 3512);
24. O. Borhan, A. Muresan, C.D. Radu, E. Muresan, C. Rimbu, I.G. Sandu, *Silver Nanoparticles Used to Obtain Cellulosic Materials with Antibacterial Properties*, **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1796-1801, (ISI Factor 0.810/2014), cit. ref. no. 11. (Copcia, V.E., Gradinaru, R., Mihai, G.D., Bilba, N., Sandu, I., *Rev. Chim. (Bucharest)*, 63, no. 11, 2012, p. 1124);
25. O. Borhan, A. Muresan, C.D. Radu, E. Muresan, C. Rimbu, I.G. Sandu, *Silver Nanoparticles Used to Obtain Cellulosic Materials with Antibacterial Properties*, **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1796-1801, (ISI Factor 0.810/2014), cit. ref. no. 12. (Popescu, V., Muresan, A., Constandache, O., Lisa, G., Muresan, E.I., Munteanu, C., Sandu, I., *Industrial & Engineering Chemistry Research*, 53, no. 43, 2014, p. 16652).
26. A.-D. Panainte, L. Agoroaei, N. Bibire, G. Tantar, M. Apostu, M. Vieriu, F.A. Spac, *A HPLC Method for the Determination of Bisoprolol in Tablets and its Application to a Bioequivalence Study*, **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1791-1795, (ISI Factor 0.810/2014), cit. ref. no. 19. (Rusu, M.L., Marutoiu, C., Sandu, I., Tita, D., Gogoasa, I., Barbu, C.H., Popescu, A., *JPC-Journal of Planar Chromatography/Modern TLC*, 20, no. 2, 2007, p. 139);
27. M. Popovska, V. Radojkova-Nikolovska, A. Minovska, D. Agop Forna, I. Muratovska, N.C. Forna, *Etiopathogenetic Biochemical Mechanism Involved in Oral Lichen Planus*, **Revista de Chimie**, (ISSN 0034-7752), 66, 11, 2015, pp. 1786-1790, (ISI Factor 0.810/2014), cit. ref. no. 15. (Cernat, R.I., Mocanu, R.D., Popa, E., Sandu, I., Olariu, R.I., Arsene, C., *Rev. Chim. (Bucharest)*, 61, no. 11, 2010, p. 1130);
28. O. Oudbashi, *Multianalytical study of corrosion layers in some archaeological copper alloy artefacts*, **Surface and Interface Analysis** (Online ISSN: 1096-9918), 2015, DOI: 10.1002/sia.5865, (ISI Factor 1.245/2014), cit. ref. no. 19 (M. Quaranta, I. Sandu, *On the Degradation Mechanism Under the Influence of Pedological Factors Through the Study of Archaeological Bronze Patina*, "Alexandru Ioan Cuza" University of Iași Publishing House, Iași, 2010.);
29. M.C. Timar, D.M. Pop, A.M. Varodi, D. L. Zureanu, I. Tolemeiu, *Microscopy, Micro-Chemistry and FTIR As Analytical Tools for Identifying Transparent Finishes Case Studies From Astra Museum – Sibiu*, **PROLIGNO**, (ONLINE ISSN 2069-7430 ISSN-L 1841-4737), 11, no. 4, 2015, pp. 561-570, cit. ref. no. (Sandu I, Sandu ICA, van Saanen A (1998) *Expertiza stiintifica a operelor de arta. Autentificarea, Stabilirea paternitatii si evaluarea patrimoniala*, volumul 1, Editura universitatii ALL Cuza Iasi, 1998);
30. M.P.Ursu, *Usage of Microwaves for Decontamination of Sensible Materials and Cereal Seeds*, **Revista de Tehnologii Neconventionale**, 19(3), 2015, pp. 60-64. cit. ref. no. 5. (Sandu I., *Deteriorarea si degradarea*

- bunurilor de patrimoniu cultural, Bunuri din material organice, vol.II, Editura Universitatii "Alexandru Ioan Cuza", Iasi (2008)*);
31. I. Olteanu, **Piatra in patromoniul romanesc. Degradari specifice si tratamente adecvate**, Ed. ACS, Bucuresti, (ISBN 978-606-93583-8-2), 2015, **cit. ref. no.** (Sandu I., Branzila, M., Sandu I.G., *Conservarea stiintifica a monumentelor din piatra, Ed. Universitatii alexandru Ioan Cuza din iasi, 2009*);
 32. I. Opris, *Sistemul de conservare-restaurare a patrimoniului cultural din Romania, Caietele restaurarii (ACS)*, (ISSN 2285-8598), 2015, pp. 266-291, **Cit. Ref. No.** (I. Sandu, I.C.A. Sandu, A. Donez-van Saanen, *Experiza stiintifica a operelor de arta, Editura Universitatii "Alexandru Ioan Cuza", Iasi, 1999*);
 33. I. Opris, *Sistemul de conservare-restaurare a patrimoniului cultural din Romania, Caietele restaurarii (ACS)*, (ISSN 2285-8598), 2015, pp. 266-291, (I.C.A. Sandu, P. Popoiu, I. Sandu, A. Donez-van Saanen, *Aspecte metodologice privind conservarea stiintifica a patrimoniului cultural, Editura Corson, Iasi, 2001*);
 34. W.J. Wang, G.C. Huang, J.C. Yu, P.K. Wong, *Advances in photocatalytic disinfection of bacteria: Development of photocatalysts and mechanisms, Journal of Environmental Sciences-China*, (ISSN: 1001-0742, eISSN: 1878-7320), Volume: 34, AUG 1 2015. Pages: 232-247, DOI: 10.1016/j.jes.2015.05.003 (ISI Factor 2.002/2014),, **cit. ref. no. 122** (Copcia, Violeta Elena; Hristodor, Claudia Mihaela; Dunca, Simona; Iordanova Reni, Bachvarova-Nedelcheva, Albena, Forna, Norina, Consuela, Sandu Ion, *Synthesis and Antibacterial Properties of ZnO/Clinoptilolite and TiO₂/ZnTiO₃/Clinoptilolite Powders, REVISTA DE CHIMIE Volume: 64 Issue: 9 Pages: 978-981 Published: SEP 2013*);
 35. L.G. Sarbu, L.G. Bahrin, Jones, P.G., Birsu, L.M., Hopf, H., [2.2]Paracyclophane derivatives containing tetrathiafulvalene moieties, **Beilstein Journal of Organic Chemistry** (ISSN 1860-5397), Volume: 11, Oct 15 2015, pp. 1917-1921, DOI: 10.3762/bjoc.11.207 (ISI Factor 2.757/2014), **cit. ref. no. 8** (Lungu, Neculai Catalin; Sandu, Ion; Chirita, Paul; et al. *New Water Soluble 1,3-Dithiolium Salts, REVISTA DE CHIMIE Volume: 64 Issue: 7 Pages: 697-700 Published: JUL 2013*);
 36. A.M. Salaberria, J. Labidi, S.C.M. Fernandes, *Different routes to turn chitin into stunning nano-objects, European Polymer Journal* (ISSN: 0014-3057, eISSN: 1873-1945), Volume: 68 Special Issue: SI, , JUL 2015, pp. 503-515, DOI: 10.1016/j.eurpolymj.2015.03.005 (ISI Factor 3.005/2014), **cit. ref. no. 91** (Tura, V.; Tofoleanu, F.; Mangalagm, I.; et al. *Conference: 8th International Conference on Physics of Advanced Materials Location: Iasi, ROMANIA Date: JUN 04-07, 2008, Journal of Optoelectronics and Advanced Materials Volume: 10 Issue: 12 Pages: 3505-3511 Published: Dec 2008*);
 37. M. S. B I atu, P. Vizureanu, M. H. ierean, M. G. Minciun , D. C. Achi ei, "Ti-Mo Alloys Used in Medical Applications", **Advanced Materials Research**, Vol. 1128, pp. 105-111, Oct. 2015, **cit. ref. no** (G Ciobanu, G Carja, O Ciobanu, I Sandu, A Sandu , *SEM and EDX studies of bioactive hydroxyapatite coatings on titanium implants, - Micron, 2009*);
 38. E.J. Schofield, C. Delaveris, R. Sarangi, *Alkaline earth carbonates for the treatment of problematic sulfur associated with marine archeological wood, Journal of Archaeological Science: Reports*, Volume 4, December 2015, Pages 427–433 **cit. ref. no.** Sandu 2003 (I.C.A. Sandu, M. Brebu, C. Luca, I. Sandu, C. Vasile, *Thermogravimetric study on the ageing of lime wood supports of old paintings, Polym. Degrad. Stab., 80 (2003), pp. 83–91*);
 39. E.J. Schofield, C. Delaveris, R. Sarangi, *Alkaline earth carbonates for the treatment of problematic sulfur associated with marine archeological wood, Journal of Archaeological Science: Reports*, Volume 4, December 2015, Pages 427–433 **cit. ref. no.** Sandu 2011 (I.C.A. Sandu, V. Vasilache, I. Sandu, N. Vrinceanu, I.G. Sandu, A.C. Ciocan, A.V. Sandu, *Process for actively preserving old water-soaked wood, involves submerging the wood into petroleum-based organic solutions containing specified amounts of tannin and propolis, Patent RO 2011*);
 40. S. Bocancea, D. Tompea, **Doua decenii de comunism in Iasul Universitar**, Ed. Institutul European (ISBN 978-606-24-0130-6), Iasi 2015, p. 215;
 41. M. Purcaru, **Din preaplinul unui vizator (Marturii necesare vindecarii spirituale)**, Ed. Magic Print (ISBN 978-606-622-182-5), One ti, 2015, pp. 198-202;
 42. Aliya SHAHEEN, *Effect of drinking water: a survey on health hazard, PhD. Thesis*, Department of Pharmacy, BRAC University, Dhaka, Bangladesh August, 2015, **cit ref. nr. 70** (Sieliechi, J. M., Kayem, G.

- J., & Sandu, I. (2010). Effect of Water Treatment Residuals (Aluminium and Iron Ions) on Human Health and Drinking Water Distribution Systems. 175-182.);*
43. Rasel SHEIKH MD, *An advanced electrospinning method of fabricating nanofibrous patterned architectures with controlled deposition and desired alignment*, **PhD Thesis**, Electronic Theses and Dissertations (Public) Faculty of Engineering and Applied Science - Doctoral Dissertations, University of Ontario Institute of Technology, 2015, **cit. ref. nr. 70** (*R. Deliu, I. Sandu, R. Butmaru, I. G. Sandu, and D. Lukas, "Study of the Influence of Electrospinning Parameters on the Structure and Morphology of Polyvinyl Alcohol Nanofibers," Revista de Chimie, vol. 6, pp. 603-611, 2012.*);
 44. Suolaa HAAVOIHIN, *Astmaatikkojen kokemuksia suolakaivosympäristössä toteutettavasta kuntoutuksesta ja sen vaikutuksista astman hoitoon ja oireiden hallintaan sekä elämänlaatuun*; **PhD Thesis**, (Hanna Kekäläinen, Viivi Veki Opinnäytetyö Sosiaali-, terveys- ja liikunta-ala Fysioterapia ko. Fysioterapeutti - AMK), Lapland University of Applied Science School of Social Services, Health Care and Sports Degree Programme of Physiotherapy 2015, **cit. ref. no.** (*Sandu, I., Canache, M., Vasilache V. & Sandu, I.G. 2011. The effects of salt solions on the health of human subjects. Environment and sustainable development. Vol 5, no. 2, 67-88., <http://pesd.ro/articole/nr.5/2/07.%20I.Sandu.pdf>*);
 45. L. Ochiuz, *Saline Aerosols: from Speleotherapy to Halotherapy, Salt Effect. Second Arheoinvest Symposium: From the Ethnoarchaeology to the Anthropology of Salt* (20–21 April 2012, 'Al. I. Cuza' University, Ia i, Romania) (Editors: M. Alexianu, R.G. Curca and V. Cotiuga), Archaeopress Publishers of the British Archaeological Reports, Gordon House, 276 Banbury Road Oxford, England (ISBN 978 1 4073 1422 8) 2015, pp. 91-97, **cit. ref. no. Sandu, I., 2010** (*Sandu, I., Chirazi, M., Sandu, G.I. et al. 2010. Research on NaCl saline aerosols II. New Artificial halochamber characteristics. Environmental Engineering and Management Journal 9/9, 1105-1113*);
 46. G. Romanescu, *The Perception of Salt Springs in the Romanian Geographic and Geologic Literature, Salt Effect. Second Arheoinvest Symposium: From the Ethnoarchaeology to the Anthropology of Salt* (20–21 April 2012, 'Al. I. Cuza' University, Ia i, Romania) (Editors: M. Alexianu, R.G. Curca and V. Cotiuga), Archaeopress Publishers of the British Archaeological Reports, Gordon House, 276 Banbury Road Oxford, England (ISBN 978 1 4073 1422 8) 2015, pp. 98-109, **cit. ref. no. Sandu, I., 2010** (*Sandu, I., Poruciuc, A., Alexianu, M., Curc , R.-G., Weller, O. 2010. Salt and Human Health: Science, Archaeology, Ancient Texts and Traditional Practices of Eastern Romania. The Mankind Quarterly L(3), 225- 256*);
 47. D. Mohan, *Salt Springs: Places for Salt Recrystallization and Ritual Centres for Exchange with Steppe Populations, Salt Effect. Second Arheoinvest Symposium: From the Ethnoarchaeology to the Anthropology of Salt* (20–21 April 2012, 'Al. I. Cuza' University, Ia i, Romania) (Editors: M. Alexianu, R.G. Curca and V. Cotiuga), Archaeopress Publishers of the British Archaeological Reports, Gordon House, 276 Banbury Road Oxford, England (ISBN 978 1 4073 1422 8) 2015, pp. 111-120, **cit. ref. no. Sandu, I., 2012** (*Sandu, I., Weller, O., Stumbea, D., Alexianu, M. 2012. Analyses archéométriques sur les moules à sel chalcolithiques de l'est de la Roumanie, in V. Nikolov and K. Bacvarov (eds.), Salt and Gold : The Role of Salt in Prehistoric Europe. Proceedings of the International Symposium (Humboldt-Kolleg) in Provadia, Bulgaria, 30 September–4 October 2010, 143–154. Provadia, Veliko Tarnovo*);
 48. O. Weller, R. Brigand, G. Dumitroaia, D. Garv n, R. Munteanu, *A Pinch of Salt in the Prehistoric Eastern Carpathian Mountains (Romania), Salt Effect. Second Arheoinvest*

- Symposium: From the Ethnoarchaeology to the Anthropology of Salt** (20–21 April 2012, ‘Al. I. Cuza’ University, Ia i, Romania) (Editors: M. Alexianu, R.G. Curca and V. Cotiuga), Archaeopress Publishers of the British Archaeological Reports, Gordon House, 276 Banbury Road Oxford, England (ISBN 978 1 4073 1422 8) 2015, pp. 125-133, **cit. ref. no. Sandu, I., 2012** (*Sandu, I., Weller, O., Stumbea, D. and Alexianu, M., 2012. Analyses archéométriques sur les moules à sel chalcolithiques de l’est de la Roumanie, in V. Nikolov and K. Bacvarov (eds.), Salt and Gold: The Role of Salt in Prehistoric Europe, 143-154. Provadia-Veliko Tarnovo, Faber*);
49. C. Preoteasa, *Salt Exploitation and Valorisation by the Human Communities of the Precucuteni – Cucuteni – Tripolye Cultural Complex*, **Salt Effect. Second Arheoinvest Symposium: From the Ethnoarchaeology to the Anthropology of Salt** (20–21 April 2012, ‘Al. I. Cuza’ University, Ia i, Romania) (Editors: M. Alexianu, R.G. Curca and V. Cotiuga), Archaeopress Publishers of the British Archaeological Reports, Gordon House, 276 Banbury Road Oxford, England (ISBN 978 1 4073 1422 8) 2015, pp. 135-161, **cit. ref. no. Sandu, I., 2012** (*Sandu, I., Weller, O., Stumbea, D. and Alexianu, M., 2012. Analyses archéométriques sur les moules à sel chalcolithiques de l’est de la Roumanie, in V. Nikolov and K. Bacvarov (eds.), Salt and Gold: The Role of Salt in Prehistoric Europe, 143-154. Provadia-Veliko Tarnovo, Faber*);
50. M. Alexianu, *The Radial Model of Salt Supplying. Preliminary Remarks*, **Salt Effect. Second Arheoinvest Symposium: From the Ethnoarchaeology to the Anthropology of Salt** (20–21 April 2012, ‘Al. I. Cuza’ University, Ia i, Romania) (Editors: M. Alexianu, R.G. Curca and V. Cotiuga), Archaeopress Publishers of the British Archaeological Reports, Gordon House, 276 Banbury Road Oxford, England (ISBN 978 1 4073 1422 8) 2015, pp. 229-235, **cit. ref. no. Alexianu, M., 2015** (*Alexianu, M., Tencariu, F.A., As ndulesei, A., Weller, O., Brigand, R., Sandu, I., Romanescu, Gh., Curc , R.-G., Caliniuc, t., As ndulesei, M. 2015. The salt from Alghianu beck (Vrancea County, Romania): a multifaceted ethnoarchaeological approach, in R. Brigand and O. Weller (eds.), Archaeology of Salt. Approaching an Invisible Past, 47-63. Leiden, Sidestone Press*);
51. R.-E. Diaconu, V. Diaconu, *Salt: Beliefs and Practices. Some Ethnographical Case Studies from Moldavia*, **Salt Effect. Second Arheoinvest Symposium: From the Ethnoarchaeology to the Anthropology of Salt** (20–21 April 2012, ‘Al. I. Cuza’ University, Ia i, Romania) (Editors: M. Alexianu, R.G. Curca and V. Cotiuga), Archaeopress Publishers of the British Archaeological Reports, Gordon House, 276 Banbury Road Oxford, England (ISBN 978 1 4073 1422 8) 2015, pp. 135-161, **cit. ref. no. Sandu, I., 2010** (*Sandu, I., Poruciuc, A., Alexianu, M., Curc , R.-G., Weller, O. 2010. Salt and human health: science, archaeology, ancient texts and traditional practices of Eastern Romania. The Mankind Quarterly L, 3, 225-256.*);
52. O. Parteni, C.-D. Radu, A. Muresan, M. Popa, L. Ochiuz, A.V. Sandu, G. Agafitei, B. Istrate, C. Munteanu, *Improving the Obtaining Factors of a Chitosan Hydrogel Based Biomaterial*, **Revista de Chimie**, (ISSN 0034-7752), 66, 10, 2015, pp. 1595-1599, (ISI Factor 0.810/2014), **cit. ref. no. 3**. (*Muresan, E.I., Popescu, V., Sandu, I., Rev. Chim. (Bucharest), 65, no. 9, 2014, p. 1029*);

53. O. Parteni, C.-D. Radu, A. Muresan, M. Popa, L. Ochiuz, A.V.. Sandu, G. Agafitei, B. Istrate, C. Munteanu, *Improving the Obtaining Factors of a Chitosan Hydrogel Based Biomaterial*, **Revista de Chimie**, (ISSN 0034-7752), 66, 10, 2015, pp. 1595-1599, (ISI Factor 0.810/2014), **cit. ref. no. 4.** (Popescu, V., Sandu, I., *Rev. Chim. (Bucharest)*, 65, no. 7, 2014, p. 811);
54. O. Parteni, C.-D. Radu, A. Muresan, M. Popa, L. Ochiuz, A.V.. Sandu, G. Agafitei, B. Istrate, C. Munteanu, *Improving the Obtaining Factors of a Chitosan Hydrogel Based Biomaterial*, **Revista de Chimie**, (ISSN 0034-7752), 66, 10, 2015, pp. 1595-1599, (ISI Factor 0.810/2014), **cit. ref. no. 5.** (Cerempei, A., Muresan, E.I., Sandu, I., Chirila, L., Sandu, I.G., *Rev. Chim. (Bucharest)*, 65, no. 10, 2014, p. 1154);
55. O. Parteni, C.-D. Radu, A. Muresan, M. Popa, L. Ochiuz, A.V.. Sandu, G. Agafitei, B. Istrate, C. Munteanu, *Improving the Obtaining Factors of a Chitosan Hydrogel Based Biomaterial*, **Revista de Chimie**, (ISSN 0034-7752), 66, 10, 2015, pp. 1595-1599, (ISI Factor 0.810/2014), **cit. ref. no. 10.** (Tulbure, E.A., Sandu, I., Munteanu, N., Sandu, I.G., Atodiressei, G.V., Forna, N.C., *Mat. Plast.*, 50, no. 4, 2013, p. 274);
56. O. Parteni, C.-D. Radu, A. Muresan, M. Popa, L. Ochiuz, A.V.. Sandu, G. Agafitei, B. Istrate, C. Munteanu, *Improving the Obtaining Factors of a Chitosan Hydrogel Based Biomaterial*, **Revista de Chimie**, (ISSN 0034-7752), 66, 10, 2015, pp. 1595-1599, (ISI Factor 0.810/2014), **cit. ref. no. 13.** (Branisteanu, D.E., Agafitei, G., Sandu, I., Parteni, O., Popescu, V., Nichifor, M., Radu, C.D., *Rev. Chim. (Bucharest)*, 65, no. 11, 2014, p. 1357);
57. O. Parteni, C.-D. Radu, A. Muresan, M. Popa, L. Ochiuz, A.V.. Sandu, G. Agafitei, B. Istrate, C. Munteanu, *Improving the Obtaining Factors of a Chitosan Hydrogel Based Biomaterial*, **Revista de Chimie**, (ISSN 0034-7752), 66, 10, 2015, pp. 1595-1599, (ISI Factor 0.810/2014), **cit. ref. no. 18.** (Manea, L.R., Cramariuc, B., Caunii, V., Sandu, I., *Mat. Plast.*, 52, no. 1, 2015, p. 82);
58. V. Popescu, I.C.A. Sandu, G. Popescu, G. Lisa, A. Popa, *Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephthalate Functionalization with Alcohols*, **Revista de Chimie**, (ISSN 0034-7752), 66, 10, 2015, pp. 1607-1613, (ISI Factor 0.810/2014), **cit. ref. no. 34** (Sandu, I.C.A., Luca, C., Sandu, I., *Rev. Chim. (Bucharest)*, 51, no. 7, 2000, p. 532);
59. V. Popescu, I.C.A. Sandu, G. Popescu, G. Lisa, A. Popa, *Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephthalate Functionalization with Alcohols*, **Revista de Chimie**, (ISSN 0034-7752), 66, 10, 2015, pp. 1607-1613, (ISI Factor 0.810/2014), **cit. ref. no. 35** (Sandu, I., Luca, C., Sandu, I.C.A., Ciocan, A., Sulitanu, N., *Rev. Chim. (Bucharest)*, 52, no. 9, 2001, p. 485).
60. V. Popescu, I.C.A. Sandu, G. Popescu, G. Lisa, A. Popa, *Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephthalate Functionalization with Alcohols*, **Revista de Chimie**, (ISSN 0034-7752), 66, 10, 2015, pp. 1607-1613, (ISI Factor 0.810/2014), **cit. ref. no. 36** (Sandu, I.C.A., Vasilache, V., Sandu, I., Luca, C., Hayashi, M., *Rev. Chim. (Bucharest)*, 59, 2008, no. 8, p. 855);

61. V. Popescu, I.C.A. Sandu, G. Popescu, G. Lisa, A. Popa, *Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephthalate Functionalization with Alcohols*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1607-1613, (ISI Factor 0.810/2014), **cit. ref. no. 37** (Saviuc-Paval, A.M., Sandu, I., Popa, I.M., Sandu, I.C.A., Vasilache, V., Sandu, I.G., *Rev. Chim. (Bucharest)*, 63, no. 2, 2012, p. 170);
62. V. Popescu, I.C.A. Sandu, G. Popescu, G. Lisa, A. Popa, *Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephthalate Functionalization with Alcohols*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1607-1613, (ISI Factor 0.810/2014), **cit. ref. no. 38** (Saviuc-Paval, A.-M., Sandu, A.V., Popa, I.M., Sandu, I. C.A., Berteau, A.P., Sandu, I., *Microscopy Research and Technique*, 76, no. 6, 2013, p. 564);
63. V. Popescu, I.C.A. Sandu, G. Popescu, G. Lisa, A. Popa, *Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephthalate Functionalization with Alcohols*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1607-1613, (ISI Factor 0.810/2014), **cit. ref. no. 39** (Sandu, I.C.A., Luca, C., Sandu, I., Atyim, P., *Rev.Chim. (Bucharest)*, 52, no. 1-2, 2001, p. 46);
64. V. Popescu, I.C.A. Sandu, G. Popescu, G. Lisa, A. Popa, *Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephthalate Functionalization with Alcohols*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1607-1613, (ISI Factor 0.810/2014), **cit. ref. no. 40** (Tofoleanu, F., Mindru, T.B., Brinza, F., Sulitanu, N., Sandu, I.G., Raileanu, D., Floristean, V., Hagi, B., Ionescu, C., Sandu, I., Tura, V., *Journal of Optoelectronics and Advanced Materials*, 10, no. 12, 2008, p. 3512);
65. V. Popescu, I.C.A. Sandu, G. Popescu, G. Lisa, A. Popa, *Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephthalate Functionalization with Alcohols*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1607-1613, (ISI Factor 0.810/2014), **cit. ref. no. 30** (Popescu, V., Manea, L.R., Sandu, I.G., Chirculescu, A.I., Sandu, I., *Rev. Chim. (Bucharest)*, 64, no.3, 2013, p. 281);
66. V. Popescu, I.C.A. Sandu, G. Popescu, G. Lisa, A. Popa, *Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephthalate Functionalization with Alcohols*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1607-1613, (ISI Factor 0.810/2014), **cit. ref. no. 19** (Popescu, V., Muresan, A., Constandache, O., Lisa, G., Muresan, E.I., Munteanu, C., Sandu, I., *Ind. Eng. Chem. Res.*, 53, 2014, p. 16652);
67. V. Popescu, I.C.A. Sandu, G. Popescu, G. Lisa, A. Popa, *Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephthalate Functionalization with Alcohols*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1607-1613, (ISI Factor 0.810/2014), **cit. ref. no. 25** (Radu, C.D., Parteni, O., Sandu, I.G., Borhan, O., Vasluianu, E., Sandu, *Rev. Chim. (Bucharest)*, 65, no.5, 2014, p. 534);
68. V. Popescu, I.C.A. Sandu, G. Popescu, G. Lisa, A. Popa, *Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephthalate Functionalization with Alcohols*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1607-1613, (ISI Factor 0.810/2014), **cit. ref. no. 27** (Popescu, V., Sandu, I.G., Vasluianu, E., Sandu, I., Campagne, C., *Rev. Chim. (Bucharest)*, 65, no. 12, 2014, p. 1439);
69. V. Popescu, I.C.A. Sandu, G. Popescu, G. Lisa, A. Popa, *Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephthalate Functionalization with Alcohols*, **Revista**

- de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1607-1613, (ISI Factor 0.810/2014), **cit. ref. no. 28** (Popescu, V., Sandu, I., *Rev. Chim. (Bucharest)*, 65, no. 7, 2014, p. 811);
70. V. Popescu, I.C.A. Sandu, G. Popescu, G. Lisa, A. Popa, *Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephthalate Functionalization with Alcohols*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1607-1613, (ISI Factor 0.810/2014), **cit. ref. no. 6** (Popescu, V., Sandu, I., Muresan, E.I., Istrate, B., Lisa, G., *Rev. Chim. (Bucharest)*, 65, no.6, 2014, p. 676);
71. A.S. Barna, G. Ciobanu C. Luca, A.C. Luca, *Nanohydroxyapatite - calcium Fructoborate Composites Synthesis and characterization*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1618-1621, (ISI Factor 0.810/2014), **cit. ref. no. 20** (Ciobanu, G., Carja, G., Ciobanu, O., Sandu, I., Sandu, A., *Micron*, 40, nr. 1, 2009, p. 143);
72. I. Bratu, C. Marutoiu, Z. Moldovan, V.C. Marutoiu, L. Trosan, D.T. Pop, I.C.A. Sandu, *Scientific Investigation of the Saint Elijah's Icon from Dragus Village, Brasov County for its Preservation and Restoration*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1628-1631, (ISI Factor 0.810/2014), **cit. ref. no. 7** (Cristache, R.A., Sandu, I.C.A., Budu, A.M., Vasilache, V., Sandu, I., *Rev. Chim. (Bucharest)*, 66, no. 3, 2015, p. 348);
73. I. Bratu, C. Marutoiu, Z. Moldovan, V.C. Marutoiu, L. Trosan, D.T. Pop, I.C.A. Sandu, *Scientific Investigation of the Saint Elijah's Icon from Dragus Village, Brasov County for its Preservation and Restoration*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1628-1631, (ISI Factor 0.810/2014), **cit. ref. no. 8**. (Cristache, R.A., Sandu, I.C.A., Simionescu, A.E., Vasilache, V., Budu, A.M., Sandu, I., *Rev. Chim. (Bucharest)*, 66, no. 7, 2015, p. 1034);
74. I. Bratu, C. Marutoiu, Z. Moldovan, V.C. Marutoiu, L. Trosan, D.T. Pop, I.C.A. Sandu, *Scientific Investigation of the Saint Elijah's Icon from Dragus Village, Brasov County for its Preservation and Restoration*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1628-1631, (ISI Factor 0.810/2014), **cit. ref. no. 20** (Pruteanu, S., Vasilache, V., Sandu, I.C.A., Budu, A.M., Sandu, I., *Microscopy Research and Technique*, 77, no. 12, 2014, p. 1060);
75. I. Bratu, C. Marutoiu, Z. Moldovan, V.C. Marutoiu, L. Trosan, D.T. Pop, I.C.A. Sandu, *Scientific Investigation of the Saint Elijah's Icon from Dragus Village, Brasov County for its Preservation and Restoration*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1628-1631, (ISI Factor 0.810/2014), **cit. ref. no. 21** (Pruteanu, S., Sandu, I., Timar, M.C., Munteanu, M., Vasilache, V., Sandu, I.C.A., *Rev. Chim. (Bucharest)*, 65, no. 12, 2014, p. 1467);
76. I. Bratu, C. Marutoiu, Z. Moldovan, V.C. Marutoiu, L. Trosan, D.T. Pop, I.C.A. Sandu, *Scientific Investigation of the Saint Elijah's Icon from Dragus Village, Brasov County for its Preservation and Restoration*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1628-1631, (ISI Factor 0.810/2014), **cit. ref. no. 22** (Sandu, I., Vasilache, V., Sandu, I.C.A., Hayashi, M., *Rev. Chim. (Bucharest)*, 61, 2010, p. 1212);
77. I. Bratu, C. Marutoiu, Z. Moldovan, V.C. Marutoiu, L. Trosan, D.T. Pop, I.C.A. Sandu, *Scientific Investigation of the Saint Elijah's Icon from Dragus Village, Brasov County for its Preservation and Restoration*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp.

- 1628-1631, (ISI Factor 0.810/2014), **cit. ref. no. 26** (Sandu, I.C.A., Bracci, S., Loberfaro, M., Sandu, I., *Microscopy Research and Technique*, 73, 2010, p. 752);
78. I. Bratu, C. Marutoiu, Z. Moldovan, V.C. Marutoiu, L. Trosan, D.T. Pop, I.C.A. Sandu, *Scientific Investigation of the Saint Elijah's Icon from Dragus Village, Brasov County for its Preservation and Restoration*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1628-1631, (ISI Factor 0.810/2014), **cit. ref. no. 28** (Sandu, I.C.A., Bracci, S., Sandu, I., Loberfaro, M., *Microscopy Research and Technique*, 72, 2009, p. 755);
79. I. Bratu, C. Marutoiu, Z. Moldovan, V.C. Marutoiu, L. Trosan, D.T. Pop, I.C.A. Sandu, *Scientific Investigation of the Saint Elijah's Icon from Dragus Village, Brasov County for its Preservation and Restoration*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1628-1631, (ISI Factor 0.810/2014), **cit. ref. no. 29** (Sandu, I.C.A., Luca, C., Sandu, I., Vasilache, V., Sandu, I.G., *Rev. Chim.*(Bucharest), 53, no. 9, 2002, p. 607);
80. M. Vieriu, G. Tantar, M. Apostu, A.D. Panainte, L. Agoroaei, L. Uncu, N. Bibire, *A New Spectrometric Method for Quantitative Determination through Molecular Absorption of Lisinopril*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1563-1564, (ISI Factor 0.810/2014), **cit. ref. no. 14**. (Inceu, M., Meghesan, A., Sandu, I., Hosu, A., Cimpoi, C., *Rev. Chim.* (Bucharest), 66, no. 3, 2015, p. 368);
81. O. Parteni, C.-D. Radu, A. Muresan, M. Popa, L. Ochiuz, A.V. Sandu, G. Agafitei, B. Istrate, C. Munteanu, *Improving the Obtaining Factors of a Chitosan Hydrogel Based Biomaterial*, **Revista de Chimie**, (ISSN 0034-7752), 66, **10**, 2015, pp. 1595-1599, (ISI Factor 0.810/2014), **cit. ref. no. 1**. (Popescu, V., Sandu, I.G., Vasluianu, E., Sandu, I., Manea, L.R., Campagne, C., *Rev. Chim.* (Bucharest), 65, no. 12, 2014, p. 1439);
82. G. Romanescu, C. Stoleriu, *Morpho-Bathymetry Aand GIS-Processed Mapping in Delimiting Lacustrine Wetlands: The Red Lake (Romania)*, **International Scientific Conference GEOBALCANICA 2015, - Physical Geography; Cartography; Geographic Information Systems & Spatial Planing, 20125, pp. 85-95**, DOI: <http://dx.doi.org/10.18509/GBP.2015.12>, UDC:007:004]:528.94(498), 551.435.38(498), **cit. ref. no. 7** (Romanescu G, Sandu I, Stoleriu C. & Sandu I.G. *Water Resources in Romania and Their Quality in the Main Lacustrine Basins. Rev. Chim. (Bucharest)*, 63(3), pp. 344-349, 2014);
83. G. Romanescu, C. Stoleriu, *Morpho-Bathymetry Aand GIS-Processed Mapping in Delimiting Lacustrine Wetlands: The Red Lake (Romania)*, **International Scientific Conference GEOBALCANICA 2015, - Physical Geography; Cartography; Geographic Information Systems & Spatial Planing, 20125, pp. 85-95**, DOI: <http://dx.doi.org/10.18509/GBP.2015.12>, UDC:007:004]:528.94(498), 551.435.38(498), **cit. ref. no. 8** (Romanescu G, Tarnovan A., Sandu I.G., Cojoc G.M., Dascalita D. & Sandu I. *The Quality of Surface Waters in the Suha Hydrographic Basin (Oriental Carpathian Mountains). Rev. Chim. (Bucharest)*, 65(10), pp. 1168-1171, 2014).
84. B.K. Gua, S.J. Parka, M.S. Kima, Y.J. Leeb, J.-I. Kimc, C.-H. Kim, *Gelatin blending and sonication of chitosan nanofiber mats produce synergistic effects on hemostatic functions*, **International Journal of Biological Macromolecules** (ISSN: 0141-8130), 2015,

- doi:10.1016/j.ijbiomac.2015.10.009, (ISI Factor 2.858/2014), cit. ref. no. 23 (*V. Tura, F. Tofoleanu, I. Mangalagiu, T. Balau Mindru, F. Brinza, N. Sulitanu, I. Sandu, I.D. Raileanu, C. Ionescu, Electrospinning of gelatin/chitin composite nanofibers, J. Optoelec. Advan. Mater., 10 (2008), pp. 3505–3511*) (To overcome these problems, we choose chitosan and gelatin to compensate the disadvantages of each other. Some researchers have reported that the safety and hemostatic functions of crosslinked gelatin-blended-chitosan (Chi-Gel) films and sponges support the potential use of these materials in hemostatic applications [23]);
85. G. Romanescu, *Hydrological Regime of the Prut River on the Romanian Territory, Papers of Geographic Seminar DIMITRIE CANTEMIR*, Vol 40, No 1 (2015), pp. 5-22, cit. ref. no. 28. (*Romanescu G., Cretu M.A., Sandu I.G., Paun E., Sandu I. Chemism of Streams Within the Siret and Prut Drainage Basins: Water Resources and Management, Rev. Chim. (Bucharest), 64(12), 2013, pp. 1416-1421*);
 86. G. Romanescu, R.-G. Curca, I.G. Sandu, *Salt Deposits in the Romanian Subcarpathians - Genesis, Repartition and Ethnomangement, International Journal of Conservation Science* (ISSN 2067-533X), 6, 3, 2015, 401-410, (ISI Factor 0.00/2014) cit.ref. no. 21 (*M. Canache, I. Sandu, D. Drochioiu, T. Lupa cu, I.G. Sandu, Therapeutic role of saline solions in polluted environment, Romanian Creativity in European Context, Ed. Tehnopres, Ia i, 2011, pp. 223-248*);
 87. G. Romanescu, R.-G. Curca, I.G. Sandu, *Salt Deposits in the Romanian Subcarpathians - Genesis, Repartition and Ethnomangement, International Journal of Conservation Science* (ISSN 2067-533X), 6, 3, 2015, 401-410, (ISI Factor 0.00/2014) cit.ref. no. 22 (*I. Sandu, M.T. Alexianu, R.-G. Curc , O. Weller, C. Pascu, Halotherapy: From Ethnoscience to Scientific Explanations, Environmental Engineering and Management Journal, 8(6), 2009, pp. 1331-1338*);
 88. G. Romanescu, R.-G. Curca, I.G. Sandu, *Salt Deposits in the Romanian Subcarpathians - Genesis, Repartition and Ethnomangement, International Journal of Conservation Science* (ISSN 2067-533X), 6, 3, 2015, 401-410, (ISI Factor 0.00/2014) cit.ref. no. 23 (*I. Sandu, M. Chirazi, M. Canache, I.G. Sandu, M.T. Alexeianu, A.V. Sandu, V. Vasilache, Research on NaCl saline aerosols I. Natural and artificial sources and their implications, Environmental Engineering and Management Journal, 9(6), 2010, pp. 881-888*);
 89. G. Romanescu, R.-G. Curca, I.G. Sandu, *Salt Deposits in the Romanian Subcarpathians - Genesis, Repartition and Ethnomangement, International Journal of Conservation Science* (ISSN 2067-533X), 6, 3, 2015, 401-410, (ISI Factor 0.00/2014) cit.ref. no. 24 (*I. Sandu, M. Chirazi, M. Canache, I.G. Sandu, M.T. Alexeianu, A.V. Sandu, V. Vasilache, Research on NaCl saline aerosols II. New artificial halo-chamber characteristics, Environmental Engineering and Management Journal, 9(8), 2010, pp. 1105-1113*);
 90. G. Romanescu, R.-G. Curca, I.G. Sandu, *Salt Deposits in the Romanian Subcarpathians - Genesis, Repartition and Ethnomangement, International Journal of Conservation Science* (ISSN 2067-533X), 6, 3, 2015, 401-410, (ISI Factor 0.00/2014) cit.ref. no. 25 (*I. Sandu, M. Canache, V. Vasilache, I.G. Sandu, The effects of salt solions on the health of human subjects, Present Environment and Sustainable Development, 5, 2011, pp. 67- 88*);
 91. G. Romanescu, R.-G. Curca, I.G. Sandu, *Salt Deposits in the Romanian Subcarpathians - Genesis, Repartition and Ethnomangement, International Journal of Conservation Science* (ISSN 2067-533X), 6, 3, 2015, 401-410, (ISI Factor 0.00/2014) cit.ref. no. 26 (*I. Sandu, M. Canache, I.G. Sandu, C. Pascu, A.V. Sandu, V. Vasilache, Researches on the*

NaCl Saline Aerosols III. Influence of Physical Doping with other Sals on Aerosols Generations, *Aerosol and Air Quality Research*, 2013, pp.)

92. G. Romanescu, R.-G. Curca, I.G. Sandu, *Salt Deposits in the Romanian Subcarpathians - Genesis, Repartition and Ethnomangement*, **International Journal of Conservation Science** (ISSN 2067-533X), **6**, 3, 2015, 401-410, (ISI Factor 0.00/2014) **cit.ref. no. 27** (I. Sandu, R.I. Olariu, I.G. Sandu, C. Stirbu, C. Pascu, V. Vasilache, D. Vione, C. Arsene, Investigation of the dynamics and kinetics involved in saline aerosol generation under air erosion of pure and contaminated halide salts, *Journal of Aerosol Science*, 81, 2015, pp. 100-109);
93. G. Romanescu, R.-G. Curca, I.G. Sandu, *Salt Deposits in the Romanian Subcarpathians - Genesis, Repartition and Ethnomangement*, **International Journal of Conservation Science** (ISSN 2067-533X), **6**, 3, 2015, 401-410, (ISI Factor 0.00/2014) **cit.ref. no. 28** (I. Sandu, M. Canache, A.V. Sandu, M. Chirazi, T. Mihaescu, L.E. Checherita, I.G. Sandu, The influence of NaCl aerosols on weight and height development of children, *Environmental Monitoring and Assessment*, 187(2), 2015, Article Number: 15);
94. G. Romanescu, R.-G. Curca, I.G. Sandu, *Salt Deposits in the Romanian Subcarpathians - Genesis, Repartition and Ethnomangement*, **International Journal of Conservation Science** (ISSN 2067-533X), **6**, 3, 2015, 401-410, (ISI Factor 0.00/2014) **cit.ref. no. 29** (I. Sandu, M. Canache, T. Mihaescu, M. Chirazi, A.V. Sandu, L.M. Trandafir, A.C. Luca, L.E. Checherita, Influence of NaCl Aerosols on the Functional Characteristics of Children, *Revista de Chimie (Bucharest)*, 66(1), 2015, pp. 60-65);
95. G. Romanescu, R.-G. Curca, I.G. Sandu, *Salt Deposits in the Romanian Subcarpathians - Genesis, Repartition and Ethnomangement*, **International Journal of Conservation Science** (ISSN 2067-533X), **6**, 3, 2015, 401-410, (ISI Factor 0.00/2014) **cit.ref. no. 30** (I. Sandu, M. Canache, A.V. Sandu, V. Vasilache, *Arosoli salini în dezvoltarea copiilor*, Ed. Alexandru Ioan Cuza University of Ia i, 2015, pp. 14-35);
96. G. Romanescu, R.-G. Curca, I.G. Sandu, *Salt Deposits in the Romanian Subcarpathians - Genesis, Repartition and Ethnomangement*, **International Journal of Conservation Science** (ISSN 2067-533X), **6**, 3, 2015, 401-410, (ISI Factor 0.00/2014) **cit.ref. no. 55** (I. Sandu, A. Poruciuc, M. Alexianu, R.G. Curc , O. Weller, Salt and Human Health: Science, Archaeology, Ancient Texts and Traditional Practices of Eastern Romania, *The Mankind Quarterly*, 50(3), 2010, pp. 225-256);
97. D. Grossi, E.A. Del Lama, J. Garcia-Talegon, A.C. Iñigo, S. Vicente-Tavera, *Evaluation of Colorimetric Changes in the Itaquera Granite of the Ramos de Azevedo Monument, São Paulo, Brazil*, **International Journal of Conservation Science** (ISSN 2067-533X), **6**, 3, 2015, 313-322, (ISI Factor 0.00/2014) **cit.ref. no. 11** (S. Pruteanu, V. Vasilache, I.C.A. Sandu, A.M. Budu, I. Sandu, Assessment of Cleaning Effectiveness for New Ecological Systems on Ancient Tempera Icon by Complementary Microscopy Techniques, *Microscopy Research and Technique*, 77(12), 2014, pp. 1060- 1070);
98. D. Grossi, E.A. Del Lama, J. Garcia-Talegon, A.C. Iñigo, S. Vicente-Tavera, *Evaluation of Colorimetric Changes in the Itaquera Granite of the Ramos de Azevedo Monument, São Paulo, Brazil*, **International Journal of Conservation Science** (ISSN 2067-533X), **6**, 3, 2015, 313-322, (ISI Factor 0.00/2014) **cit.ref. no. 13** (S. Pruteanu, I. Sandu, M.C. Timar, M. Munteanu, V. Vasilache, I.C.A. Sandu, Ecological Systems Applied for Cleaning Gilding in Old Icons, *Revista de Chimie (Bucharest)*, 65(12), 2014, pp. 1467-1472);

99. D. Grossi, E.A. Del Lama, J. Garcia-Talegon, A.C. Iñigo, S. Vicente-Tavera, *Evaluation of Colorimetric Changes in the Itaquera Granite of the Ramos de Azevedo Monument, São Paulo, Brazil*, **International Journal of Conservation Science** (ISSN 2067-533X), **6**, 3, 2015, 313-322, (ISI Factor 0.00/2014) **cit.ref. no. 6** (*A.M. Saviuc-Paval, I. Sandu, I.M. Popa, I.C.A. Sandu, V. Vasilache, I.G. Sandu, Obtaining and Characterization of Ceramic Pigments for Polychrome Artistic Elements II. Microscopic and colorimetric analysis, Revista de Chimie (Bucharest), 63(2), 2012, pp. 170-178*);
100. S. Hrdlickova Kuckova, J. Schultz, R. Veiga, E. Murta, I.C.A. Sandu, *Proteomics Tools for the Contemporary Identification of Proteinaceous Binders in Gilded Samples*, **International Journal of Conservation Science** (ISSN 2067-533X), **6**, SI, 2015, 507-518, (ISI Factor 0.00/2014) **cit.ref. no. 15** (*I.C.A. Sandu, C. Luca, I. Sandu, V. Vasilache, M. Hayashi, Authentication of ancient easel-paintings through materials identification from polychrome layers. III. Crosssection analysis and staining tests, Revista de Chimie, 59, 2008, pp. 785-793*)
101. C. Nodal, I.C.A. Sandu, R. Veiga, *The Vermeillonner, an Original Seventeenth Century French Gilding Technique, Also Used in Spain (Bronceado) and Portugal (Foscado) During the Eighteenth Century*, **International Journal of Conservation Science** (ISSN 2067-533X), **6**, SI, 2015, 487-498, (ISI Factor 0.00/2014) **cit.ref. no. 13** (*I.C.A. Sandu, V. Vasilache, I. Sandu, C. Luca., M. Hayashi, Authentication of the Ancient Easel-paintings through Materials Identification from the Polychrome Layers III. Cross - section Analysis and Staining Test, Revista de Chimie, 59(8), 2008, pp. 855-866*);
102. I.C.A. Sandu, E. Murta, F. Eusebio, R. Veiga, L. Jorge, V.S. Muralha, M.F. Costa Pereira, T. Busani, N. Leal, S. Ferreira, *Creating the illusion: the marble and stone-like decoration of the main altarpiece of St. Francis Church, in Viseu*, **International Journal of Conservation Science** (ISSN 2067-533X), **6**, SI, 2015, 473-486, (ISI Factor 0.00/2014) **cit.ref. no. 12** (*I.C.A. Sandu, V. Vasilache, I. Sandu, C. Luca., M. Hayashi, Authentication of the Ancient Easel-paintings through Materials Identification from the Polychrome Layers III. Cross - section Analysis and Staining Test, Revista de Chimie, 59(8), 2008, pp. 855-866*);
103. I.C.A. Sandu, E. Murta, F. Eusebio, R. Veiga, L. Jorge, V.S. Muralha, M.F. Costa Pereira, T. Busani, N. Leal, S. Ferreira, *Creating the illusion: the marble and stone-like decoration of the main altarpiece of St. Francis Church, in Viseu*, **International Journal of Conservation Science** (ISSN 2067-533X), **6**, SI, 2015, 473-486, (ISI Factor 0.00/2014) **cit.ref. no. 13** (*I.C.A. Sandu, S. Bracci, I. Sandu, Instrumental analyses used in the authentication of old paintings - I. Comparison between two icons of XIXth century, Revista de Chimie, 57(8), 2006, pp. 796-802*);
104. S.V. Kumar, M. Singh, S.W. Wagh, N.E. Mahajan *Polychrome sculptures of St. Francis of Assisi Church, Old Goa: A challenge in scientific conservation*, **International Journal of Conservation Science** (ISSN 2067-533X), **6**, SI, 2015, 465-472, (ISI Factor 0.00/2014) **cit.ref. no. 14** (*R.A. Cristache, I.C.A. Sandu, A.M. Budu, V. Vasilache, I. Sandu, Multi-analytical Study of an Ancient Icon on Wooden Panel, Revista de Chimie (Bucharest), 66(3), 2015, pp. 348-352*);
105. B. Lokesh, N.M. Rao, S. Kaleemulla, A. Sivakumar, *Freeze-drying synthesis and characterisation of Na composites of ZnO, TiO₂ and ZnTiO₃ semiconductor oxides*, **Chemical Papers** (ISSN: 0366-6352 eISSN: 1336-9075), **69**, 11, 2015, pp. 1481-1490, DOI: 10.1515/chempap-2015-0150, (ISI Factor 1.468/2014), **cit. ref. no. 4** (*Copcia, V.E.,*

- Hristodor, C.M., Dunca, S., Iordanova, R., Bachvarova-Nedelcheva, A., Forna, N.C., Sandu, I., Synthesis and Antibacterial Properties of ZnO/Clinoptilolite and TiO₂/ZnTiO₃/Clinoptilolite Powders *Revista de Chimie*, 64, 9, 2013, pp. 978-981);
106. N. Bibire, M. Vieriu, A.D. Panainte, L. Agoroaei, L. Uncu, C.V. Vlase, A. Vlase, A New High Performance Liquid Chromatographic Analysis Method for Ciprofloxacin, **Revista de Chimie**, (ISSN 0034-7752), 66, 9, 2015, pp. 1463-1466, (ISI Factor 0.810/2014), cit. ref. no. 17 (Inceu, M., Meghesan, A., Sandu, I., Hosu, A., Cimpoi, C., Rev. Chim. (Bucharest), 66, nr. 3, 2015, p. 368);
107. N. Bibire, M. Vieriu, A.D. Panainte, L. Agoroaei, L. Uncu, C.V. Vlase, A. Vlase, A New High Performance Liquid Chromatographic Analysis Method for Ciprofloxacin, **Revista de Chimie**, (ISSN 0034-7752), 66, 9, 2015, pp. 1463-1466, (ISI Factor 0.810/2014), cit. ref. no. 20. (Rusu, M.L., Marutoiu, C., Sandu, I., Tita, D., Gogoasa, I., Barbu, C.H., Popescu, A., JPC-Journal of Planar ChromatographyModern TLC, 20, no. 2, 2007, p. 139);
108. O.F. Marutoiu, I. Bratu, C. Marutoiu, S. Hodisan, M.D. Lazar, I. Perhaita, C. Tigae, Bentonite Modified with - aminopropyltriethoxysilane as Stationary Phase for Thin-layer Chromatography, **Revista de Chimie**, (ISSN 0034-7752), 66, 9, 2015, pp. 1455-1458, (ISI Factor 0.810/2014), cit. ref. no. 6. (Copcia, V., Hristodor, C., Luchian, C., Bilba, N., SANDU, I., Rev. Chim. (Bucharest), 61, no.12, 2010, p. 1192);
109. W.M. Wan Ibrahim, K. Hussin, M.M. Al Bakri Abdullah, A. Abdul Kadir, M. Binhussain, Development of Fly Ash-Based Geopolymer Lightweight Bricks Using Foaming Agent - A Review, **Key Engineering Materials**, Vol. 660, pp. 9-16, Aug. 2015, cit. ref. no. 35 (Fifmatasha SN, Mustafa Al Bakri, MA, Kamarudin, H., Sandu, I., Ruzaidi, CM);
110. M. F. Omar, L. Y. Wei, M. M. Al Bakri Abdullah, K. Hussin, Effect of Hybrid Fillers on the Thermal Properties of UHMWPE/Chitosan-ZnO Composites, **Applied Mechanics and Materials**, Vols. 754-755, pp. 71-76, Apr. 2015, cit. ref. no. 6 (Vasluianu E., Popescu V., Grigoriu A., Forna NC, Sandu I., Revista de Chimie (Bucharest), (64),2013, p.1104);
111. T. Juganaru, M. Bombos, G. Vasilievici, D. Bombos, Devulcanized Rubber for Bitumen Modification, **Materiale Plastice** (ISSN 0025-5289), 56, no. 3. 2015, pp. 336-339, (ISI Factor 0.824/2014) cit.ref.no. 6. (Buruiana, D.L., Bordei, M., Sandu, I.G., Chirculescu, A.I., Sandu, I., Materiale Plastice , 2013, 50 (1), p. 36-39);
112. D. Tamburini, J.J. Łucejko, E. Ribechini, M.P. Colombini, Snapshots of lignin oxidation and depolymerization in archaeological wood: an EGA-MS study, **Journal of Mass Spectrometry** (ISSN: 1076-5174, eISSN: 1096-9888), 50, 10, 2015, pp. 1103–1113, DOI: 10.1002/jms.3631, (ISI Factor 2.379/2014)cit. ref. no. 20 (Sandu, ICA; Brebu, M; Luca, C; et al. This record has been added to your Marked List. Thermogravimetric study on the ageing of lime wood supports of old paintings, *Polymer Degradation and Stability*, Volume: 80 Issue: 1 Pages: 83-91 Published: APR 2003);
113. C. Chávez-Mendoza, C. Holguín-Licón, R.M. Quintana-Martínez, F.J. CamarilloAcosta, A. Guevara-Aguilar, R.A. Soto-Cruz, Evaluation of Heavy Metals Pollution of Surface Water From Arroyo San Ignacio In The Sierra Tarahumara, Mexico,

International Journal of Applied Biology and Pharmaceutical Technology (ISSN: 0976-4550), **6**, 3, 2015, pp.161-17, **cit. ref. no.** (Sieliechi, J. M., Kayem, G. J. and Sandu, I. (2010). Effect of water treatment residuals (aluminum and iron ions) on human health and drinking water distribution systems. *International Journal of Conservation Science*, 1 (3): 175-182)(The obtained average metal values showed that Al, Fe, Ni, Mn, Cr, Pb and Cd respectively, were present in high concentrations and there was no difference found in the concentration of each metal among the three zones that were studied. However, the statistical analysis showed differences in Ca, K, Na, Mg content between study zones. The initial zone had a higher concentration of these metals than the middle and final zone; high concentration of these elements in the initial zone may be due to sawmills in the region use lime and salt to treat wood as fungicide which are discharged directly to Arroyo de Creel. Besides, this stream receives other anthropogenic waste from the town of Creel. On the other hand, Arroyo San Ignacio has no other significant sources of pollution in the assessed zones. These zones are located in inaccessible areas. In this stretch, the stream flows relatively undisturbed from human activities, encouraging self-cleaning processes acting; such that the metals concentration decreases. Average Al concentration was 3.42 ± 1.3 mg/L. This result is probably due to an effect produced by the wastewater treatment plant located in the study area, wherein the receiving water body is Arroyo de Creel, because in the water treatment process the use of this metal is common (Sieliechi et al. 2010). This result could also be natural contamination; due to rocks from this region are mainly rhyolites of volcanic ash containing aluminum silicate);

114. G. Romanescu, C. Stoleriu, *Morpho-Bathymetry and Gis-Processed Mapping in Delimiting Lacustrine Wetlands: The Red Lake (Romania)* **Physical Geography; Cartography; Geographic Information Systems & Spatial Planing 2015**, pp. 85-95, DOI: <http://dx.doi.org/10.18509/GBP.2015.12>, **cit. ref. no. 7** (Romanescu G., Sandu I., Stoleriu C. & Sandu I.G. Water Resources in Romania and Their Quality in the Main Lacustrine Basins. *Rev. Chim. (Bucharest)*, 63(3), pp. 344-349, 2014)
115. G. Romanescu, C. Stoleriu, *Morpho-Bathymetry and Gis-Processed Mapping in Delimiting Lacustrine Wetlands: The Red Lake (Romania)* **Physical Geography; Cartography; Geographic Information Systems & Spatial Planing 2015**, pp. 85-95, DOI: <http://dx.doi.org/10.18509/GBP.2015.12>, **cit. ref. no. 8** (Romanescu G., Tarnovan A., Sandu I.G., Cojoc G.M., Dascalita D. & Sandu I. The Quality of Surface Waters in the Suha Hydrographic Basin (Oriental Carpathian Mountains). *Rev. Chim. (Bucharest)*, 65(10), pp. 1168-1171, 2014);
116. D. Cirtina, C. Capatina, C.M. Simonescu, *Assessment of Motru and Motru Sec Rivers Quality by Monitoring of Physico-chemical Parameters and Water Quality Index*, **Revista de Chimie (ISSN 0034-7752)**, **66**, 8, 2015, pp. 1184-1189, (**ISI Factor 0.810/2014**), **cit. ref. no. 1**. (Romanescu, G., Sandu, I., Stoleriu, C., Sandu, I.-G., *Rev Chim. (Bucharest)*, 65, no. 3, 2014, p. 344);
117. A.M. Mocanu, C. Luca, G. Ciobanu, S.I. Dunca, I.G. Sandu, A.C. Luca, *Synthesis, Characterization and Antimicrobial Activity of Some New Hydrazine Metallic Complexes*, **Revista de Chimie, (ISSN 0034-7752)**, **66**, 8, 2015, pp. 1137-1142, (**ISI Factor**

- 0.810/2014), cit. ref. no. 33** (Sandu, I., Gulea, A., Sandu, I.C.A., Luca, C., Sandu, I.G., *Rev. Chim. (Bucharest)*, 56, no. 8, 2005, p. 805).
118. M.C. Burtea, A. Ciurea, M. Bordei, G. Romanescu, A.V. Sandu, Development of the Potential of Ecological Agriculture in the Village Ciresu, County of Braila, **Revista de Chimie (ISSN 0034-7752)**, 66, 8, 2015, pp. 1222-226, (**ISI Factor 0.810/2014**), **cit. ref. no. 7** (Romanescu, G., Cretu, M.A., Sandu, I.G., Paun, E., Sandu, I., *Rev. Chim. (Bucharest)*, 64, no.12, 2013, p.1416);
119. M.C. Burtea, A. Ciurea, M. Bordei, G. Romanescu, A.V. Sandu, Development of the Potential of Ecological Agriculture in the Village Ciresu, County of Braila, **Revista de Chimie (ISSN 0034-7752)**, 66, 8, 2015, pp. 1222-226, (**ISI Factor 0.810/2014**), **cit. ref. no. 10**. (Romanescu, G., Sandu, I., Stoleriu, C., Sandu, I.G., *Rev. Chim. (Bucharest)*, 63, no.3, 2014, p.344);
120. M.C. Burtea, A. Ciurea, M. Bordei, G. Romanescu, A.V. Sandu, Development of the Potential of Ecological Agriculture in the Village Ciresu, County of Braila, **Revista de Chimie (ISSN 0034-7752)**, 66, 8, 2015, pp. 1222-226, (**ISI Factor 0.810/2014**), **cit. ref. no. 11**. (Romanescu, G., Paun, E., Sandu, I., Jora, I., Panaitescu, E., Machidon, O., Stoleriu, C., *Rev. Chim. (Bucharest)*, 65, no.4, 2014, p.401);
121. C. Lazar, *Proiectul Arhaeodrom în contextul arheologiei experimentale din România*, (<https://www.researchgate.net/publication/280824468> Proiectul Arhaeodrom n contextul arheologiei experimentale din Romnia), **Buletinul Muzeului Jude ean Teleorman (SSN 2065 – 5290). Seria arheologie** 7, 2015, , **cit. ref. no.** (Tencariu, F.A., Alexianu, M., Cotiug , V., Vasilache, V. i Sandu, I. (2015) ‘Briquetage and salt cakes: an experimental approach of a prehistoric technique’, *Journal of Archaeological Science* 59: pp. 118-131);
122. C.E. Luchian, C. Colibaba, M. Niculaua, M. Codreanu, V.V. Cotea, *Innovative materials in winemaking*, **BIO Web of Conferences** 5, (2015), paper no. 02023, <http://dx.doi.org/10.1051/bioconf/20150502023>, **cit. ref. no. 14** (C. Luchian, V. V. Cotea, I. Sandu, V. Copcia, N. Bilba, *Rev. Chim.*, 62(8), 2011, pp. 782-786);
123. D. Pellegrini, C. Duce, I. Bonaduce, S. Biagi, L. Ghezzi, M.P. Colombinib, M. Rosaria Tinèb, E. Bramanti, *Fourier transform infrared spectroscopic study of rabbit glue/inorganic pigments mixtures in fresh and aged reference paint reconstructions*, **Microchemical Journal (ISSN: 0026-265X)**, Volume 124, January 2016, Pages 31–35, doi:10.1016/j.microc.2015.07.018, (**ISI Factor 2.746 /2014**), **cit. ref. no. 14**, (I.C.A. Sandu, C. Luca, I. Sandu, V. Vasilache, M. Hayashi, *Authentication of the ancient easel paintings through materials identification from the polychrome layers—II. Analysis by means of the FT-IR spectrophotometry, Rev. Chim.*, 59 (2008), pp. 384–387);
124. D. Pellegrini, C. Duce, I. Bonaduce, S. Biagi, L. Ghezzi, M.P. Colombinib, M. Rosaria Tinèb, E. Bramanti, *Fourier transform infrared spectroscopic study of rabbit glue/inorganic pigments mixtures in fresh and aged reference paint reconstructions*, **Microchemical Journal (ISSN: 0026-265X)**, Volume 124, January 2016, Pages 31–35, doi:10.1016/j.microc.2015.07.018, (**ISI Factor 2.746 /2014**), **cit. ref. no. 15** (I.C.A. Sandu, V. Vasilache, I. Sandu, C. Luca, M. Hayashi, *Authentication of the ancient easel-*

- paintings through materials identification from the polychrome layers. III. Cross - section analysis and staining test, Rev. Chim., 59 (2008), pp. 855–866);*
125. I. Bratu, C. Marutoiu, L. Trosan, Z. Moldovan, I. Kacso, D. Toader, *Complex Investigation of Component Materials of Triptych Icon "Mother of God" From The Patrimony of Ethnographic Museum of Transylvania, Revue Roumaine de Chimie* (ISSN: 0035-3930), 59, 11-12, 2014, pp. 1003-1008, (ISI Factor 0.311/2014), cit. ref. no. 10 (*Sandu, ICA; Brebu, M; Luca, C; et al. This record has been added to your Marked List. Thermogravimetric study on the ageing of lime wood supports of old paintings, Polymer Degradation and Stability, Volume: 80 Issue: 1 Pages: 83-91 Published: APR 2003);*
126. G.P. Mastrotheodoros, K.G. Beltsios, Y. Bassiakos, V. Papadopoulou, *On The Grounds Of Post-Byzantine Greek Icons, Archaeometry* (Online ISSN: 1475-4754), 2015, DOI: 10.1111/arc.12201, (ISI Impact Factor 1.519/2014, SRI 0,595/2014), 2015, cit. ref. no. ... (*Irina Crina Anca. Sandu, Susanna. Bracci, Ion. Sandu, Mariella. Lobefaro, Microscopy Research and Technique, 72 (2009), pp. 755–765);*
127. Wenfa Ng, *Ammonium interference reduced copper uptake by formaldehyde crosslinked Sargassum sp. seaweed, PeerJ PrePrints, 3, 2015, e1506 <https://dx.doi.org/10.7287/peerj.preprints.1228v1>, cit. ref. no. 16 (Copia, V., Hristodor, C., Luchian, C., Bilba, N., Sandu, I. (2010) Ammonium nitrogen removal from aqueous solution by natural clay. Revista de Chimie (Bucharest) 61, 1192-1196);*
128. C. M ru oi u, I. Bratu, L. Tro an, C. Neamtu, V.C. M ru oi u, D. Pop, C. T n selia, S. Garabagiu, *Scientific Investigation of the Imperial Gates belonging to the wooden church from S cel, Turda County, Romania, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* (ISSN 1386-1425), Volume 152, 5 January 2016, Pages 311–317, (ISI Impact Factor 2.353/2014, SRI 0,595/2014), 2015, cit. ref. no. 20 (*Irina Crina Anca. Sandu, Susanna. Bracci, Ion. Sandu, Mariella. Lobefaro, Microscopy Research and Technique, 72 (2009), pp. 755–765);*
129. C. M ru oi u, I. Bratu, L. Tro an, C. Neamtu, V.C. M ru oi u, D. Pop, C. T n selia, S. Garabagiu, *Scientific Investigation of the Imperial Gates belonging to the wooden church from S cel, Turda County, Romania, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* (ISSN 1386-1425), Volume 152, 5 January 2016, Pages 311–317, (ISI Impact Factor 2.353/2014, SRI 0,595/2014), 2015, cit. ref. no. 28 (*I.C.A. Sandu, S. Bracci, I. Sandu, Revista de Chimie, 57 (8) (2006), pp. 796–802);*
130. C. M ru oi u, I. Bratu, L. Tro an, C. Neamtu, V.C. M ru oi u, D. Pop, C. T n selia, S. Garabagiu, *Scientific Investigation of the Imperial Gates belonging to the wooden church from S cel, Turda County, Romania, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* (ISSN 1386-1425), Volume 152, 5 January 2016, Pages 311–317, (ISI Impact Factor 2.353/2014, SRI 0,595/2014), 2015, cit. ref. no. 29 (*Silvea. Pruteanu, Viorica. Vasilache, Irina Crina Anca Sandu Ana.-Maria. Budu, Ion. Sandu, Microscopy. Res.Tech, 77 (12) (2014), pp. 1060–1070);*
131. O.K. Fagbenroab, H.A. Aziza, *Preparation and particle size effect of clinoptilolite on the removal of color, suspended solids, and chemical oxygen demand from real textile wastewater, Desalination and Water Treatment, (ISSN 1944-3994), 2015, (ISI Impact Factor 1.173/2014, SRI 0,193/2014), 2015, cit. ref. no. 42 (V.E. Copcia, R. Gradinaru,*

- G.D. Mihai, N. Bilba, I. Sandu, Antibacterial activity of nanosized ZnO hosted in microporous clinoptilolite and mesoporous silica SBA-15 matrices, *Rev. de Chim.* 2012(63–11) (2012) 1124–1131);
132. M. Iordache, L.R. Popescu, L.F. Pascu, C. Lehr, E.M. Ungureanu, I. Iordache, *Evaluation of the Quality of Environmental Factors, Soil and Water in the Parang Mountains, Romania*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 1009-1014, (ISI Factor 0.810/2014), cit. ref. no. 3 (Romanescu Gh., Tarnovan A., Sandu I.-G., Cojoc G.-M., Dascalita D., Sandu I., *Rev. Chim.* (Bucharest), 65, no. 10, 2014, p.1168);
133. M. Iordache, L.R. Popescu, L.F. Pascu, C. Lehr, E.M. Ungureanu, I. Iordache, *Evaluation of the Quality of Environmental Factors, Soil and Water in the Parang Mountains, Romania*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 1009-1014, (ISI Factor 0.810/2014), cit. ref. no. 10 (Romanescu Gh., Sandu I., Stoleriu C., Sandu I.-G., *Rev. Chim.* (Bucharest), 65, no. 3, 2014, p. 344);
134. M.M.A.B. Abdullah, M.F.M. Tahir, K. Hussin, M. Binhussain, I.G. Sandu, Z. Yahya, A.V. Sandu, *Fly Ash Based Lightweight Geopolymer Concrete Using Foaming Agent Technology*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 992-1003, (ISI Factor 0.810/2014), cit. ref. no. 17 (Shahedan, N.F., Abdullah, M.M.A., Hussin, K., Sandu, I., Ghazali, C.M.R., Binhussain, M., Yahya, Z., Sandu, A.V., *Ma. Plast.*, 51, no. 3, 2014, p. 258);
135. C. Marutoiu, I. Bratu, A.M. Budu, G. Santa, O.F. Marutoiu, C. Neamtu, C. Tanaselia, I. Kacso, I.C.A. Sandu, *Evaluation of Conservation State by Analysis of Imperial Gates' Constituent Materials Belonging to A^ochileu Mic Wooden Church, Cluj County*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 992-996, (ISI Factor 0.810/2014), cit. ref. no. 8. (Pruteanu, S., Vasilache, V., Sandu, I.C.A., Budu, A.M., Sandu, I., *Microscopy Research and Technique*, 77, no. 12, 2014, p. 1060);
136. C. Marutoiu, I. Bratu, A.M. Budu, G. Santa, O.F. Marutoiu, C. Neamtu, C. Tanaselia, I. Kacso, I.C.A. Sandu, *Evaluation of Conservation State by Analysis of Imperial Gates' Constituent Materials Belonging to A^ochileu Mic Wooden Church, Cluj County*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 992-996, (ISI Factor 0.810/2014), cit. ref. no. 11. (Cristache, R.A., Sandu, I.C.A., Budu, A.M., Vasilache, V., Sandu, I., *Rev. Chim.*(Bucharest), 66, no. 3, 2015, p. 348);
137. C. Marutoiu, I. Bratu, A.M. Budu, G. Santa, O.F. Marutoiu, C. Neamtu, C. Tanaselia, I. Kacso, I.C.A. Sandu, *Evaluation of Conservation State by Analysis of Imperial Gates' Constituent Materials Belonging to A^ochileu Mic Wooden Church, Cluj County*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 992-996, (ISI Factor 0.810/2014), cit. ref. no. 12. (Sandu, I.C.A., Bracci, S., Sandu, I., Loberfaro, M., *Microscopy Research and Technique*, 72, no. 10, 2009, p. 755);
138. C. Marutoiu, I. Bratu, A.M. Budu, G. Santa, O.F. Marutoiu, C. Neamtu, C. Tanaselia, I. Kacso, I.C.A. Sandu, *Evaluation of Conservation State by Analysis of Imperial Gates' Constituent Materials Belonging to A^ochileu Mic Wooden Church, Cluj County*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 992-996,

- (ISI Factor 0.810/2014), cit. ref. no. 13. (Pruteanu, S., Sandu, I., Timar, M.C., Munteanu, M., Vasilache, V., Sandu, I.C.A., *Rev. Chim.(Bucharest)*, 65, no. 12, 2014, p. 1467);
139. C. Marutoiu, I. Bratu, A.M. Budu, G. Santa, O.F. Marutoiu, C. Neamtu, C. Tanaselia, I. Kacso, I.C.A. Sandu, *Evaluation of Conservation State by Analysis of Imperial Gates' Constituent Materials Belonging to A^ochileu Mic Wooden Church, Cluj County*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 992-996, (ISI Factor 0.810/2014), cit. ref. no. 16 (Sandu, I.C.A., Brebu, M., Luca, C., Sandu, I., Vasile, C., *Polym. Deg. and Stab.*, 80, No. 1, 2003, p. 83);
140. C. Marutoiu, I. Bratu, A.M. Budu, G. Santa, O.F. Marutoiu, C. Neamtu, C. Tanaselia, I. Kacso, I.C.A. Sandu, *Evaluation of Conservation State by Analysis of Imperial Gates' Constituent Materials Belonging to A^ochileu Mic Wooden Church, Cluj County*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 992-996, (ISI Factor 0.810/2014), cit. ref. no. 17. (Sandu, I.C.A., Luca, C., Sandu, I., Atyim, P., *Rev. Chim. (Bucharest)*, 52, No.1-2, 2001, p. 46);
141. C. Marutoiu, I. Bratu, A.M. Budu, G. Santa, O.F. Marutoiu, C. Neamtu, C. Tanaselia, I. Kacso, I.C.A. Sandu, *Evaluation of Conservation State by Analysis of Imperial Gates' Constituent Materials Belonging to A^ochileu Mic Wooden Church, Cluj County*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 992-996, (ISI Factor 0.810/2014), cit. ref. no. 20. (Sandu, I.C.A., Luca, C., Sandu, I., Vasilache, V., Sandu, I.G., *Rev. Chim.(Bucharest)*, 53, no. 9, 2002, p. 607);
142. C. Marutoiu, I. Bratu, A.M. Budu, G. Santa, O.F. Marutoiu, C. Neamtu, C. Tanaselia, I. Kacso, I.C.A. Sandu, *Evaluation of Conservation State by Analysis of Imperial Gates' Constituent Materials Belonging to A^ochileu Mic Wooden Church, Cluj County*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 992-996, (ISI Factor 0.810/2014), cit. ref. no. 22. (Timar, M.C., Sandu, I.C.A., Beldean, E., Sandu, I., *Mat. Plast.*, 51, no. 4, 2014, p. 382);
143. C. Marutoiu, I. Bratu, A.M. Budu, G. Santa, O.F. Marutoiu, C. Neamtu, C. Tanaselia, I. Kacso, I.C.A. Sandu, *Evaluation of Conservation State by Analysis of Imperial Gates' Constituent Materials Belonging to A^ochileu Mic Wooden Church, Cluj County*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 992-996, (ISI Factor 0.810/2014), cit. ref. no. 23. (Traistaru, A.A.T., Sandu, I.C.A., Timar, M.C., Dumitrescu, G.L., Sandu, I., *Microscopy Research and Technique*, 76, no. 2, 2013, p. 209);
144. C. Marutoiu, I. Bratu, A.M. Budu, G. Santa, O.F. Marutoiu, C. Neamtu, C. Tanaselia, I. Kacso, I.C.A. Sandu, *Evaluation of Conservation State by Analysis of Imperial Gates' Constituent Materials Belonging to A^ochileu Mic Wooden Church, Cluj County*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 992-996, (ISI Factor 0.810/2014), cit. ref. no. 24. (Traistaru, A.A.T., Timar, M.C., Campean, M., Croitoru, C., Sandu, I., *Mat. Plast.*, 49, no. 4, 2012, p. 293);
145. C.G. Hrib, P. Chirita, I.G. Sandu, I.V. Asaftei, L.G. Sarbu, K. Earar, *The Synthesis and X-Ray Structural Characterization of New 4-(5-Bromo-2-hydroxyphenyl)-1,3-Dithiol-2-ylum Perchlorates* **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015,

- pp. 983-986, (ISI Factor 0.810/2014), cit. ref. no. 15 (*Birsa, M.L., Sandu, I., Bahrin, L.G., Rev. Chim. (Bucharest), 65, no. 2, 2014, p. 174*);
146. C.G. Hrib, P. Chirita, I.G. Sandu, I.V. Asaftei, L.G. Sarbu, K. Earar, *The Synthesis and X-Ray Structural Characterization of New 4-(5-Bromo-2-hydroxyphenyl)-1,3-Dithiol-2-ylidium Perchlorates* **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 983-986, (ISI Factor 0.810/2014), cit. ref. no. 30 (*Lungu, N.C., Sandu, I., Chirita, P., Birsa, M.L., Rev. Chim. (Bucharest), 64, no. 7, 2013, p. 697*);
147. C.G. Hrib, P. Chirita, I.G. Sandu, I.V. Asaftei, L.G. Sarbu, K. Earar, *The Synthesis and X-Ray Structural Characterization of New 4-(5-Bromo-2-hydroxyphenyl)-1,3-Dithiol-2-ylidium Perchlorates* **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 983-986, (ISI Factor 0.810/2014), cit. ref. no. 40 (*Belei, D., Fornu, N.C., Sandu, I., Birsa, M.L., Rev. Chim. (Bucharest), 65, no. 1, 2014, p. 80*);
148. C.G. Hrib, P. Chirita, I.G. Sandu, I.V. Asaftei, L.G. Sarbu, K. Earar, *The Synthesis and X-Ray Structural Characterization of New 4-(5-Bromo-2-hydroxyphenyl)-1,3-Dithiol-2-ylidium Perchlorates* **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 983-986, (ISI Factor 0.810/2014), cit. ref. no. 51 (*Sarbu, L.G., Sandu, I., Bahrin, L.G., BALAN, A., Apostu, M.O., Rev. Chim. (Bucharest), 66, no. 1, 2015, p. 55*);
149. N. Chira, R. Stan, C. Todasca, M. Maganu, T. Constantinescu, S. Garea, S. Rosca, *Azo Dye Functionalized Monomer Derived from Linseed Oil*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 7, 2015, pp. 937-941, (ISI Factor 0.810/2014), cit. ref. no. 15. (*Costandache, T.; Cerempei, A.; Muresan, E.-I.; Popescu, V.; Drobeta, M., Sandu, I., Rev. Chim. (Bucharest), 65, no.8, 2014, p. 892*);
150. V. Vasilache, M.A. Cretu, L.F. Pascu, M. Risca, E. Cernea, C. Maxim, I.G. Sandu, C.I. Ciobanu, *dehydrogenases activity in sludge samples of Suceava River*, **International Journal of Conservation Science** (ISSN 2067-533X), 6, 1, 2015, pp. 93-99, (ISI Factor 0.000/2014), cit. ref. no. 21 (*V. Vasilache, C. Filote, M.A. Cretu, I. Sandu, V. Coisin, T. Vasilache, C. Maxim, Groundwater Quality for Nitrate and Nitrite Pollutants in some Vulnerable Areas in Botosani County, Environmental Engineering and Management Journal, 11, 2012, p. 471-481*);
151. I. Garófano Moreno, J.M. Martínez Blanes, C.P. Odrizola Lloret, A. Durán Benito, M.C. Jiménez de Haro, J.L. Pérez Rodríguez, M.D. Robador González, *Non-invasive analytical techniques applied to characterize the components of ancient golden medallions*, **Journal of Heritage Science** (ISSN 2050-7445), 1(1), 2013, pp. 1-11, (ISI Factor 0.000/2014), cit. ref. no. 40 (*Sandu ICA, Bracci S, Sandu I, Lobefaro M: Integrated analytical study for the authentication of five Russian icons (XVI–XVII centuries). Microsc Res Tech 2009, 72:755–762*) (Yellow support made from Pb-Sn was found in mural paintings from Northern Italy [40] The first and more stable material used to create a gilded surface was gold. A review performed by Sandu et al. [40] took into consideration the gilded surfaces in polychrome art objects (easel and mural paintings, polychrome wooden objects, gilt leather and parchment) and described the materials, gold application techniques and imitations from a technical, analytical and conservation point of view.);
152. V. Vasilache, M.A. Cretu, L.F. Pascu, M. Risca, E. Cernea, C. Maxim, I.G. Sandu, C.I. Ciobanu, *dehydrogenases activity in sludge samples of Suceava River*, **International**

- Journal of Conservation Science** (ISSN 2067-533X), 6, 1, 2015, pp. 93-99, (**ISI Factor 0.000/2014**), **cit. ref. no. 23**, (*J.M. Sieliechi, G.J. Kayem, I. Sandu, Effect of Water Treatment Residuals (Aluminum and Iron Ions) on Human Health and Drinking Water Distribution Systems, International Journal of Conservation Science, 1(3), 2010, p. 175-182*);
153. V. Vasilache, M.A. Cretu, L.F. Pascu, M. Risca, E. Cernea, C. Maxim, I.G. Sandu, C.I. Ciobanu, *dehydrogenases activity in sludge samples of Suceava River*, **International Journal of Conservation Science** (ISSN 2067-533X), 6, 1, 2015, pp. 93-99, (**ISI Factor 0.000/2014**), **cit. ref. no. 25** (*D. Bociort, C. Gherasimescu, R. Berariu, R. Butnaru, M. Branzila, I. Sandu, Research on the Degree of Contamination of Surface and Groundwater used as Sources for Drinking Water Production, Rev. Chim. (Bucharest), 63(11), 2012, p. 1152-1157*);
154. V. Vasilache, M.A. Cretu, L.F. Pascu, M. Risca, E. Cernea, C. Maxim, I.G. Sandu, C.I. Ciobanu, *dehydrogenases activity in sludge samples of Suceava River*, **International Journal of Conservation Science** (ISSN 2067-533X), 6, 1, 2015, pp. 93-99, (**ISI Factor 0.000/2014**), **cit. ref. no. 27** (*Gh. Romanecu, A. Tarnovan, I.G. Sandu, G.M. Cojoc, D. Dasc lița, I. Sandu, The Quality of Surface Waters in the Suha Hydrographic Basin (Oriental Carpathian Mountains), Rev. Chim. (Bucharest), 65(10), 2014, p. 1168-1171*);
155. O. Abdel-Kareem *Preparation of experimental deteriorated dyed textile samples simulated to ancient ones*, **International Journal of Conservation Science** (ISSN 2067-533X), 6, 2, 2015, pp. 151-164, (**ISI Factor 0.000/2014**), **cit. ref. no. 24** (*S. Pruteanu, V. Vasilache, I.C.A. Sandu, A.M. Budu, I. Sandu, Assessment of Cleaning Effectiveness for New Ecological Systems on Ancient Tempera Icon by Complementary Microscopy Techniques, Microscopy Research And Technique, 77(12), 2014, pp. 1060-1070*).
156. O. Abdel-Kareem *Preparation of experimental deteriorated dyed textile samples simulated to ancient ones*, **International Journal of Conservation Science** (ISSN 2067-533X), 6, 1, 2015, pp. 151-164, (**ISI Factor 0.000/2014**), **cit. ref. no. 26** (*S. Pruteanu, I. Sandu, M.C. Timar, M. Munteanu, V. Vasilache, I.C.A. Sandu, Ecological Systems Applied for Cleaning Gilding in Old Icons, Revista de Chimie (Bucharest), 65(12), 2014, pp. 1467-1472*);
157. O. Abdel-Kareem *Preparation of experimental deteriorated dyed textile samples simulated to ancient ones*, **International Journal of Conservation Science** (ISSN 2067-533X), 6, 1, 2015, pp. 151-164, (**ISI Factor 0.000/2014**), **cit. ref. no. 27** (*A.M. Saviuc-Paval, I. Sandu, I.M. Popa, I.C.A. Sandu, V. Vasilache, I.G. Sandu, Obtaining and Characterization of Ceramic Pigments for Polychrome Artistic Elements II. Microscopic and colorimetric analysis, Revista de Chimie (Bucharest), 63(2), 2012, pp. 170-178*).
158. D.C. Achitei, P. Vizureanu, M.G. Minciuna, A.V. Sandu, A. Buzaianu, D.I. Dana, *Obtaining of New Flux Coated Electrodes used for Welding-brazing Operations*, **Materiale Plastice** (ISSN 0025-5289), 52, no. 2, 2015, p. 165-167, (**ISI Factor, 0.824/2014**), **cit. ref. no. 2**. (*Dana, D., Sandu, I.G., Vizureanu, P., Sandu, I., Rev. Chim. (Bucharest), 64, no. 12, 2013, p. 1465*);
159. A.M. Salaberria, R.H. Diaz, J. Labidi, S.C.M. Fernandes, *Preparing valuable renewable nanocomposite films based exclusively on oceanic biomass - Chitin nanofillers*

- and chitosan, **Reactive and Functional Polymers** (ISSN 1381-5148 eISSN: 1873-166X), **89**, 2015, pp. 31-39, DOI: 10.1016/j.reactfunctpolym.2015.03.003, (ISI Factor 2.515/2014), cit. ref. no. 58 (Tura, V.; Tofoleanu, F.; Mangalagm, I.; et al. Conference: 8th International Conference on Physics of Advanced Materials Location: Iasi, ROMANIA Date: JUN 04-07, 2008, **Journal of Optoelectronics and Advanced Materials** Volume: 10 Issue: 12 Pages: 3505-3511 Published: Dec 2008);
160. M. Simileanu, S. Ispas, L. Ratoiu, L. Anghelu , C. Neamu, *Folkmedia: A modern approach on preservation of romanian folklore archive*, **International Journal of Conservation Science** (ISSN 2067-533X), 6, 2, 2015, pp. 201-208, (ISI Factor 0.000/2014), cit. ref. no. 13. (I.M. Cortea, R. Cristache, I. Sandu, *Characterization of historical violin varnishes using ATR-FTIR spectroscopy*, **Romanian Reports in Physics**, 67(2), 2015, pp. 371-384);
161. L. Hristian, D.L. Bordeianu, G. B hm-Révész, *Comparative aspects concerning methods used to determine cotton fibers strength per denier*, **Annals of the University of Oradea Fascicle of Textiles, Leatherwork** (ISSN 1843 – 813X) 16, 2, 2015, pp. 35-40, cit. ref. no. 4 (L. Hristian, D.L. Bordeianu, P. Iurea, I. Sandu, K. Earar, “Study of the Tensile Properties of Materials Destined to Manufacture Protective Clothing for Firemen”, **Materiale Plastice**, Vol. 51, no. 4, December 2014, pg. 405-409);
162. D.C. Achitei, P. Vizureanu, M.G. Minciuna, A.V. Sandu, A. Buzaianu, D.I. Dana, *Obtaining of New Flux Coated Electrodes used for Welding-brazing Operations*, **Materiale Plastice** (ISSN 0025-5289), 52, no. 2, 2015, p. 165-167, (ISI Factor 0.824/2014), cit. ref. no. 3.(Dana, D., Sandu, I.G., Vizureanu, P., Sandu, I., **Journal of Optoelectronics and Advanced Materials**, 15, no. 9-10, 2013, p. 1153);
163. R. Németh, D. Tsalagkas, M. Bak, *Effect of Soil Contact on the Modulus of Elasticity of Beeswax-Impregnated Wood*, **BIORESOURCES**, 10(1), 2015, pp. 1574-1586, cit. ref. nr. (Hutanu, I., Sandu, I., Vaslache, V., Nica, L., (2013), **Pro ligno**, 9(4), 299-305);
164. M. Benea, V. Diaconu, G. Dumitroaia, *Preliminary data on bronze age pottery from S ve ti (Neam county, Romania)*. **Studia Univeritatis Babes-Bolyai, Chemia**, 1, 2015, pp. 89-99, (ISI Factor 0.191/2014), cit. ref. no. 5 (B.P. Niculic , V. Vasilache, D. Boghian, I. Sandu, *An archaeometric study of several ceramic fragments from the Komariv (Komarow) settlement of Adâncata-Sub P dure, Suceava County*, in V. Cotiug (ed.), **Third Arheoinvest Congress. Interdisciplinary Research in Archaeology, June 6th–8th 2013, Ia i, Romania, Programme and Abstracts, Ed. Universit ii „Al. I. Cuza”, Ia i, 2013, pp. 68-69**);
165. L.T. Dimowa, O.E. Petrov, N.I. Djourellov, B.L. Shivachev, *Structural study of Zn-exchanged natural clinoptilolite using powder XRD and positron annihilation data*, **Clay Minerals**,(ISSN: 0009-8558 eISSN: 1471-8030), 50, 2015, p. 41-54, (ISI Factor 0969/2014), cit. ref. no. (Copcia, V.E., Hristodor, C.M., Dunca, S., Iordanova, R., Bachvarova-Nedelcheva, A., Forná, N.C., Sandu, I., **Revista de Chimie**, 64 9, 2013. pp. 978-981);
166. M. Zaharia, D. Ganju, C. Blegescu, *High Selectivity of Supported Oxo-trinuclear Compounds in Styrene Epoxidation*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752),

- 66, no. 6, 2015, pp. 829-832, (ISI Factor 0677/2013), cit. ref. no. 5.(Radu, C.D., Bercu, E., Sandu, I., Foia, L.G., *Mat. Plast.*, 51, no. 1, 2014, p.104);
167. M. Mohsenipour, S. Shahid, K. Ebrahimi, *Nitrate Adsorption on Clay Kaolin: Batch Tests*, **Journal of Chemistry** (ISSN: 2090-9063 eISSN: 2090-9071), Article Number: 397069, Published: 2015 (ISI Factor 0.176/2013), cit. ref. nr. 32 (V. Vasilache, V. C. Filote, M.A. Cretu, I. Sandu, V. Coisin, T. Vasilache, C. Maxim, *Monitoring of groundwater quality in some vulnerable areas in Botosani county for nitrates and nitrites based pollutants*, *Environmental Engineering and Management Journal*, 11, 2, 2012, 471-479);
168. M. Zaharia, D. Ganju, C. Blegescu, *High Selectivity of Supported Oxo-trinuclear Compounds in Styrene Epoxidation*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 6, 2015, pp. 829-832, (ISI Factor 0.810/2014), cit. ref. no. 6.(Bercu, E., Sandu, I., Radu, C.D., Vasilache, V., Toma, V., Aldea, H.A., *Mat. Plast.*, 49, no. 4, 2012, p.270);
169. S.R. Jefferies A.E. Fuller, D.W. Boston, *Preliminary Evidence That Bioactive Cements Occlude Artificial Marginal Gaps*, **Journal of Esthetic and Restorative Dentistry** (Online ISSN: 1708-8240), 27, 3, 2015, pp. 155-166, DOI: 10.1111/jerd.12133, (ISI Factor 0.83/2013), cit. ref. no. 33 (G Ciobanu, G Carja, O Ciobanu, I Sandu, A Sandu, *SEM and EDX studies of bioactive hydroxyapatite coatings on titanium implants*, *Micron*, 2009 - Elsevier);
170. G. Adamek, D. Andrzejewski, J.Jakubowicz, *Properties of the Ti Void Metal Composites Prepared with Saccharose as a Space Holder and Coated by Hydroxyapatite*, **Advanced Materials Research** (Edited by H. Gong and K.M. Gupta), vol. 1105, 5, 2015, pp. 13-20, DOI:10.4028/www.scientific.net/AMR.1105.13, cit. ref. no. (G Ciobanu, G Carja, O Ciobanu, I Sandu, A Sandu, *SEM and EDX studies of bioactive hydroxyapatite coatings on titanium implants*, *Micron*, 2009 - Elsevier);
171. M. Zaharia, D. Ganju, C. Blegescu, *High Selectivity of Supported Oxo-trinuclear Compounds in Styrene Epoxidation*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 6, 2015, pp. 829-832, (ISI Factor 0.810/2014), cit. ref. no. 23.(Gherasimescu, C., Sandu, I., Ciocan, A.-C., Sandu, I.G., Leva Mihail, M., Berariu, R., *Rev Chim. (Bucharest)*, 63, no. 2, 2012, p. 208);
172. M. Zaharia, D. Ganju, C. Blegescu, *High Selectivity of Supported Oxo-trinuclear Compounds in Styrene Epoxidation*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 6, 2015, pp. 829-832, ISI Factor 0.810/2014), cit. ref. no. 24. (Lungu, C., Alexandroaei, M., Sandu, I., *Rev. Chim. (Bucharest)*, 62, no. 8, 2011, p. 787);
173. M. Zaharia, D. Ganju, C. Blegescu, *High Selectivity of Supported Oxo-trinuclear Compounds in Styrene Epoxidation*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 6, 2015, pp. 829-832, (ISI Factor 0.810/2014), cit. ref. no. 25.(Copcia, V., Hristodor, C., Luchian, C., Bilba, N., Sandu, I., *Rev Chim. (Bucharest)*, 61, no. 12, 2010, p. 1192);
174. M. Zaharia, D. Ganju, C. Blegescu, *High Selectivity of Supported Oxo-trinuclear Compounds in Styrene Epoxidation*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 6, 2015, pp. 829-832, (ISI Factor 0.810/2014), cit. ref. no. 26.(Cernat, R.I.,

- Mocanu, R.D., Popa, E., Sandu, I., Olariu, R.I., Arsene, C., *Rev Chim*, (Bucharest), 61, no. 11, 2010, p. 1130);
175. I.C. Lupu, D. Agop-Forna, I.G. Sandu, C. Mocanu, N.C. Forna, *Microscopic Assessment of the Corrosion Resistance of some Superficially Enhanced Ti-Based Dental Alloys with Hydroxyapatite*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 6, 2015, pp. 808-812, (ISI Factor 0.810/2014), cit. ref. no. 11 (Novac, V., Sandu, A.V., Vasilescu, E., Sandu, I., *Rev. Chim.* (Bucharest), 65, no. 11, 2014, p. 1306);
176. C. Negrei, O. Ginghina, C. Caruntu, G. Traian, A. Burcea Dragomiroiu, G. Jinescu, D. Boda, *Investigation Relevance of Methotrexate Polyglutamates in Biological Systems by High Performance Liquid Chromatography*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 6, 2015, pp. 766-768, (ISI Factor 0.810/2014), cit. ref. no. 13 (Cernat, R.I., Mocanu, R.D., Popa, E., Sandu, I., Olariu, R.I., Arsene, C., *Rev. Chim.* (Bucharest), 61, no. 11, 2010, p. 1130);
177. S.B. Messaoud, A. Takagaki, T. Sugawara, R. Kikuchi, S.T. Oyama, *Mixed Matrix Membranes Using SAPO-34/Polyetherimide for Carbon Dioxide/Methane Separation, Separation and Purification Technology*, (ISSN: 1383-5866 eISSN: 1873-3794), 148, 2015, pp 38-49, [doi:10.1016/j.seppur.2015.04.017](https://doi.org/10.1016/j.seppur.2015.04.017), (ISI Factor 3.091/2014), cit. ref. no. 54 (R. Scarlet, L.R. Manea, I. Sandu, L. Martinova, O. Cramariuc, I.G. Sandu Study on the solubility of polyetherimide for nanostructural electrospinning, *Rev. Chim.*, 63, 7 (2012), pp. 688–692);
178. M.C. Burtea, I.G. Sandu, G.A. Cioromele, M. Bordei, A. Ciurea, G. Romanescu, *Sustainable Exploitation of Ecosystems on the Big Island of Braila*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 5, 2015, pp. 621-627, (ISI Factor 0.810/2014), cit. ref. no. 12. (Romanescu, G., Cretu, M. A., Sandu, I. G., Paun, E., Sandu, I., *Rev. Chim.* (Bucharest), 64, no. 12, 2013, p. 1416);
179. A.A. Elbadawi, O.A. Yassin, M.A. Siddig, *Effect of the Cation Size Disorder at the A-Site on the Structural Properties of SrAF₂TiO₆ Double Perovskites (A = La, Pr or Nd)*, **Journal of Material Science and Chemical Engineering** (ISSN Print: 2327-6045, ISSN Online: 2327-6053), 3, 5, 2015, pp. 21-29, DOI: 10.4236/msce.2015.35003, (ISI Factor 0.000/2013) cit. ref. no. 7 (Perianu, E.A., Gorodea, I.A., Gheorghiu, F., Sandu, Av., Ianculescu, Ac. and Sandu, I. (2011) Preparation and Dielectric Spectroscopy Characterization of A₂MnMoO₆ (A = Ca, Sr and Ba) Double Perovskites. *Rev Chim* (Bucharest), 62, 17-20);
180. M.C. Burtea, I.G. Sandu, G.A. Cioromele, M. Bordei, A. Ciurea, G. Romanescu, *Sustainable Exploitation of Ecosystems on the Big Island of Braila*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 5, 2015, pp. 621-627, (ISI Factor 0.810/2014), cit. ref. no. 14. (Romanescu, G., Paun, E., Sandu, I., Jora, I., Panaitescu, E., Machidon, O., Stoleriu, C., *Rev Chim* (Bucharest), 65, no.4, 2014, p. 401);
181. M.C. Burtea, I.G. Sandu, G.A. Cioromele, M. Bordei, A. Ciurea, G. Romanescu, *Sustainable Exploitation of Ecosystems on the Big Island of Braila*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 5, 2015, pp. 621-627, (ISI Factor 0.810/2014), cit. ref. no. 16. (Romanescu, G., Sandu, I., Stoleriu, C., Sandu, I.G., *Rev Chim* (Bucharest), 65, no. 3, 2014, p. 344.);

182. M.C. Burtea, I.G. Sandu, G.A. Cioromele, M.Bordei, A. Ciurea, G. Romanescu, *Sustainable Exploitation of Ecosystems on the Big Island of Braila*, **Revista de Chimie** (Bucharest), (ISSN 0034-7752), 66, no. 5, 2015, pp. 621-627, ,(ISI Factor 0.810/2014), **cit. ref. no. 17.** (Romanescu, G., Cretu, M.A., Sandu, I.G., Paun, E., Sandu, I., Rev Chim (Bucharest), 64, no. 12, 2013, p. 1416.);
183. O. Corbu, A. Puskás, A.V. Sandu, A. Ioani, K. Hussin, I.G. Sandu, *New Concrete with Recycled Aggregates from Leftover Concrete*, **Applied Mechanics and Materials**, Vols 754-755, pp. 389-394, Apr. 2015 (O. Corbu, A. Puskás, A.V. Sandu, A. Ioani, K. Hussin, I.G. Sandu., New Concrete with Recycled Aggregates from Leftover Concrete, Applied Mechanics and Materials (Volumes 754-755), Theme: Advanced Materials Engineering and Technology III, Chapter 2: Building Materials, (Edited by Mohd Mustafa Al Bakri Abdullah, Zarina Yahya, Liyana Jamaludin, Alida Abdullah and Rafiza Abd Razak), cit. ref. no ());
184. D.C. Achi ei, P. Vizureanu, M. G. Minciun , M. M. Al Bakri Abdullah, I. G. Sandu, *Study on Al-Si Alloys Properties Enhancement*, **Applied Mechanics and Materials**, Vols 754-755, pp. 634-638, Apr. 2015, **cit. ref. no ()**;
185. C. Bejinariu, P. Laz r, A. V. Sandu, A. M. Cazac, I. G. Sandu, O. Corbu, *Enhancing Properties of Reinforcing Steel by Chemical Phosphatation*, **Applied Mechanics and Materials**, Vols 754-755, pp. 310-314, Apr. 2015, **cit. ref. no ()**;
- 186.A. Stern, D. Ashkenazi, D. Cvikel, B. Rosen, E. Galili, *Archeometallurgical and technical characterization of 7th century AD iron fishing-spear and fire basket found in the Dor lagoon, Israel*, **Journal of Archaeological Science: Reports**, 3, 3, 2015, pp. 132-143, doi:10.1016/j.jasrep.2015.06.001, (ISI Factor 0.00/2013), **cit. ref. no. Sandu, I.** (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, Rev. Chim., 63 (2012), pp. 495–500) When such iron is buried in aqueous solution (in an electrochemical process) for a long time beneath the sand, an oxide layer grows slowly, resulting in oxide compounds on the surface of the object. The corrosion oxide layer is formed in three stages: first, ferrous hydroxide [Fe(OH)₂] and hematite (-Fe₂O₃) are formed, next, Goethite (-FeOOH) and Lepidocrocite (-FeOOH) are formed, and last, inert magnetite (Fe₃O₄) is formed (Sandu et al., 2012). Examination of an ancient metal artifact with non-destructive testing methods (such as XRF and SEM–EDS), including their structural, morphological and compositional analyses, indicates the conservation level of such an object, as well as its manufacturing process, and its degradation during the long burial period under water (Sandu et al., 2012 and Vasilache et al., 2013);
187. A. Stern, D. Ashkenazi, D. Cvikel, B. Rosen, E. Galili, *Archeometallurgical and technical characterization of 7th century AD iron fishing-spear and fire basket found in the Dor lagoon, Israel*, **Journal of Archaeological Science: Reports**, 3, 3, 2015, pp. 132-143, doi:10.1016/j.jasrep.2015.06.001, (ISI Factor 0.00/2013), **cit. ref. no. Vasilache, V.,** (V. Vasilache, O. Mircea, I.G. Sandu, A.M. Vlad, I. Sandu, Assessment of the conservation state for the preservation and restoration of an archaeological iron artifact, Rev. Chim., 64 (2013), pp. 294–297) Examination of an ancient metal artifact with non-destructive testing methods (such as XRF and SEM–EDS), including their structural, morphological and compositional analyses, indicates the

- conservation level of such an object, as well as its manufacturing process, and its degradation during the long burial period under water ([Sandu et al., 2012](#) and [Vasilache et al., 2013](#));
188. Y. Kahanov, D. Ashkenazi, D. Cvikel, S. Klein, R. Navri, A. Stern, *Archaeometallurgical analysis of metal remains from the Dor 2006 shipwreck: A clue to the understanding of the transition in ship construction*, **Journal of Archaeological Science: Reports**, 2, 4, 2015, pp. 321–332, Available online 21 March 2015, (ISI Factor 0.00/2013), cit. ref. no. Sandu, I. (*I. Sandu, C. Marutoiu, I.G. Sandu, A. Alexandru, A.V. Sandu, Authentication of old bronze coins I. Study on archaeological patina, Acta Univ. Cibiniensis Ser. F Chem., 9 (1) (2006), pp. 39–53*) (The average measured thickness of the external oxide film was 400 μm on each side of the coin, thus the oxide volume was estimated at 40 wt.% of the coin's volume. The measured density of this coin was 8.0 g/cm^3 , much lower than the expected value. This may be due to cast porosity and some corrosion, as well as the thick oxide layer, composed of oxides of copper and lead. For example, the densities of Cu_2O is 6.0 g/cm^3 , of CuO is 6.4 g/cm^3 , and of Pb_3O_4 is 9.1 g/cm^3 ([Sandu et al., 2006, p. 45](#)));
189. L. Reinprecht, Z. Vidholdová, M. Kožienka, *Decay Inhibition of Lime Wood With Zinc Oxide Nanoparticles Used in Combination With Acrylic Resin*, **Acta Facultatis Xylogologiae Zvolen** (ISSN 1336-3824), 57(1): 43–52, 2015, cit. ref. no. (*Tr. Istaru, A. A. T., Timar, C. M., Câmpean, M., Croitoru, C., Sandu, I. Paraloid B72 versus Paraloid B72 with nano-ZnO additive as consolidants for wooden artefacts. Materiale Plastice, 49(4), 2012, pp. 293–300*);
190. A. Doménech-Carbó, S. Capelo, J. Piquero, M. T. Doménech-Carbó, J. Barrio, A. Fuentes, W. Al Sekhaneh, *Dating archaeological copper using electrochemical impedance spectroscopy. Comparison with voltammetry of microparticles dating*, **Materials and Corrosion - Werkstoffe und Korrosion** (ISSN on-line 1521-417, Print 60947-5117), 2015, DOI: 10.1002/maco.201408048, (ISI Factor 1.508 /2013), cit. ref. no. 58 (*I. Sandu, C. Marutoiu, I.G. Sandu, A. Alexandru, A.V. Sandu, Acta Universitatis Cibiensis, Chemia, 6, 9, 2006*);
191. S.A. Singh, S.R. Shukla, *Adsorptive removal of cobalt ions on raw and alkali-treated lemon peels*, **International Journal of Environmental Science and Technology** (ISSN: 1735-1472 eISSN: 1735-2630), 2015, (ISI Factor 2.19/2014), cit. ref. no. (*Hlihor, R.M., Diaconu, M. Chelaru, C. Sandu, I., Tavares, T., Gavrilesu, M., (2013). Bioremediation of Cr(VI) Polluted Wastewater by Sorption on Heat Inactivated Saccharomyces cerevisiae Biomass. Int. J. Environ. Res., 7(3), 581-594, ISSN: 1735-6865*);
192. C.E. Luchian, V.V. Cotea, L.C. Colibaba, C. Zamfir, M. Codreanu, M. Niculaua, A. Patra, *Influence of Nanoporous Materials on the Chemical Composition of Merlot and Cabernet Sauvignon Wines*, **Environmental Engineering and Management Journal** (ISSN 1582-9596), March 2015, Vol.14, No. 3, 519-524, (ISI Factor 1.258/2013), Cit. ref. no. (*Luchian C., Cotea V.V., Sandu I., Copcia V., Bilba N., (2011), Removal of Mn(II), Ni(II) and Cu(II) ions from white wine through ion exchange in microporous mordenite and mesoporous Al-MCM-41, Revista de Chimie, 62, 782-786.*);
193. E.T. Iacob Tudose, E. David, M.S. Secula, I. Mamaliga, *Adsorption equilibrium and effective diffusivity in cylindrical alumina particles impregnated with calcium chloride*,

- Environmental Engineering and Management Journal** (ISSN 1582-9596), March 2015, Vol.14, No. 3, 503-508, (ISI Factor 1.258/2013), Cit. ref. no. (Solomon I., Ribeiro A.M., Santos J.C., Loureiro J.M., Rodrigues A., Sandu I., Mamaliga I., (2013), Adsorption equilibrium of water vapor onto activated carbon, activated alumina, carbon and alumina impregnated with hygroscopic salt, *Turkish Journal of Chemistry*, 37, 358-365);
194. V. Patroescu, C. Jinescu, C. Cosma, I. Cristea, V. Badescu, C.S. Stefa, *Influence of Ammonium Ions on the Treatment Process Selection of Groundwater Supplies Intended to Human Consumption*, **Rev. Chim.** (Bucharest) (ISSN 0034-7752), 66, No. 4, 2015, pp. 537-541, (ISI Factor 0.677/2013), cit. ref. no. 1. (Romanescu, G., Paun, E., Sandu, I., Jora, I., Panaitescu, E., Machidon, O., Stoleriu, C., *Rev. Chim.* (Bucharest), 65, no. 4, 2014, p. 401)
195. E. Rita, S. Dewi, *Response to Concentration Decreased of Heavy Metal Chromium (Cr) and Growth of Microalgae Chlorella vulgaris in Culture Media*, **Prosiding KPSDA**, SP003- 017, pp. 117-121, cit. ref. no. (Hlihor, R.M., Diaconu, M. Chelaru, C. Sandu, I., Tavares, T. & Gavrilesu, M. (2013). Bioremediation of Cr(VI) Polluted Wastewater by Sorption on Heat Inactivated Saccharomyces cerevisiae Biomass. *Int. J. Environ. Res.*, 7(3), 581-594, ISSN: 1735-6865);
196. V. Patroescu, C. Jinescu, C. Cosma, I. Cristea, V. Badescu, C.S. Stefa, *Influence of Ammonium Ions on the Treatment Process Selection of Groundwater Supplies Intended to Human Consumption*, **Rev. Chim.** (Bucharest) (ISSN 0034-7752), 66, No. 4, 2015, pp. 537-541, (ISI Factor 0.677/2013), cit. ref. no. 2. (Bociort, D., Gherasimescu, C., Berariu, R., Butnaru, R., Branzila, M., Sandu, I., *Rev. Chim. (Bucharest)*, 63, no. 11, 2012, p. 1152);
197. M.C. Burlacu-Arsene, C. Leonte, M.C. Antonescu, A.V. Sandu, M.G. Minciuna, *Influence of Water Deficit Stress on Some Physio-morphological Indicies at Some Oilseed Rape Cultivars*, **Rev. Chim.** (Bucharest) (ISSN 0034-7752), 66, No. 4, 2015, pp. 487-491, (ISI Factor 0.677/2013), cit. ref. no. 31 (Romanescu, G., Paun, E., Sandu, I., Jora, I., Panaitescu, E., Machidon, O., Stoleriu, C., *Rev. Chim.* (Bucharest), 65, no. 4, 2014, p. 401);
198. M.C. Burlacu-Arsene, C. Leonte, M.C. Antonescu, A.V. Sandu, M.G. Minciuna, *Influence of Water Deficit Stress on Some Physio-morphological Indicies at Some Oilseed Rape Cultivars*, **Rev. Chim.** (Bucharest) (ISSN 0034-7752), 66, No. 4, 2015, pp. 487-491, (ISI Factor 0.677/2013), cit. ref. no. 32. (Romanescu, G., Sandu, I., Stoleriu, C., Sandu, I.G., *Rev. Chim.* (Bucharest), 65, no. 3, 2014, p. 344);
199. M.C. Burlacu-Arsene, C. Leonte, M.C. Antonescu, A.V. Sandu, M.G. Minciuna, *Influence of Water Deficit Stress on Some Physio-morphological Indicies at Some Oilseed Rape Cultivars*, **Rev. Chim.** (Bucharest) (ISSN 0034-7752), 66, No. 4, 2015, pp. 487-491, (ISI Factor 0.677/2013), cit. ref. no. 33. (Romanescu, G., Cretu, M.A., Sandu, I.G., Paun, E., Sandu, I., *Rev. Chim.* (Bucharest), 64, no. 12, 2013, p. 1416);
200. S. Iftimie, R. Mallet, J. Merigeon, L. Ion, M. Girtan, S. Antohe, *On the Structural, Morphological and Optical Properties of ITO, ZnO, ZnO:Al and NiO Thin Films Obtained by Thermal Oxidation*, **Digest Journal of Nanomaterials and Biostructures** (ISSN: 1842-3582), 10, No. 1, January - March 2015, p. 221 – 229 (ISI Factor 1.123/2013), cit.

- ref. no. 4 (*C. Adomnitei, D. Luca, M. Girtan, I. Sandu, V. Nica, A.V. Sandu, et al., J. Optoelectron. Adv. Mater.* 15, 519 (2013));
201. N. Kusumawardhani, H. Sulistyarti, A. Atikah, *Penentuan Panjang Gelombang Maksimum Dan pH Optimum Dalam Pembuatan Tes Kit Sianida Berdasarkan Pembentukan Hidrindantin*, **Jurnal Ilmu Kimia Universitas Brawijaya**, 1, 1, 2015, pp. 711-717, (ISI Factor 0.00/2013) cit. ref. no. 5. (*Drochioiu, G., Sandu, I., Grandinaru, R., Zbancioc, G., dan Mangalagiu, I., 2011, Ninhydrin-Based Forensic Investigations : II. Cyanide Analytical toxicology, International Journal of Criminal Investigation, Vol.1, Issue 4, pp. 213-226*).
202. Wang, Sheng-Gang; Shen, Chang-Bin; Long, Kang, *The Corrosion Behaviors of Bulk Nanocrystalline Ingot Iron in Mixed Solution with Sulfuric Acid and Sodium Sulfate*, **Innovations in Corrosion and Materials Science (Formerly Recent Patents on Corrosion Science)**, Volume 4, Number 1, June 2014, pp. 5-10(6) (ISI Factor 0.00/2013), cit. ref. no (A.V. Sandu, A. Ciomaga, G. Nemtoi, C. Bejinariu, and I. Sandu.);
203. F.M.S.E. El-Dars, M.A.M. Abdel Rahman, O.M.A. Salem, El-S.A. Abdel-Aal, *Algal control and enhanced removal in drinking waters in Cairo, Egypt: A case study*, **Environmental Science: An Indian Journal**, 10(8), 2015 pp. 295-307, (ISI Factor 0.00/2013), cit. ref. no. 42 (*J.M. Sieliechi, G.J.Kayem, I.Sandu; Effect of water treatment residuals (Aluminum and iron ions) on human health and drinking water distribution systems, International journal of conservation science, 1(3), 175-182 (2010)*), (As well, high residual iron content in drinking water may be responsible for the disinfectant neutralization, the coloration of water and the metallic taste in water [42].);
204. M.F. Omar, L.Y. Wei, M.M. Al Bakri Abdullah, K. Hussin, *Effect of Hybrid Fillers on the Thermal Properties of UHMWPE/ Chitosan-ZnO Composites*, **Applied Mechanics and Materials**, Vols. 754-755 (2015) pp 71-76, doi:10.4028/www.scientific.net/AMM.754-755.71, (ISI Factor 0.00/2013, Jurnal ISI), cit. ref. no. 6 (*Vasluianu E., Popescu V., Grigoriu A., Fornu N.C., Sandu I., Revista de Chimie (Bucharest), (64),2013, p.1104*);
205. M. Alexianu, O. Weller, R. Brigand, R.-G. Curc , *Annäherungen an eine Unsichtbare Vergangenheit: Ethnoarchäologische Forschungen zu den Salzwasserquellen der Moldauischen Vorkarpaten (Rumänien)*, **Studia Antiqua et Archaeologica**, 20(1), 2015, pp. 7-35, cit. ref. no. (*Sandu, I., Poruciuc, A., Alexianu, M., Curc , R.-G., Weller, O. 2010, Salt and Human Health: Science, Archaeology, Ancient Texts and Traditional Practices of Eastern Romania, The Mankind Quarterly L, 3, 225-256.*);
206. Z. Glavcheva, D. Yancheva, E. Velcheva, B. Stamboliyska, N. Petrova, V. Petkova, G. Lalevd, V. Todorov, *Analytical studies of the Alexandrovo thracian tomb wall paintings*, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy** (ISSN: 1386-1425), Available online 7 February 2015, doi:10.1016/j.saa.2015.01.103, (ISI Factor 2,129/2013, SNIP: 1.130, SJR: 0.628), cit. ref. no. 22 (*I.C.A. Sandu, S. Bracci, I. Sandu, M. Lobefaro, Microscopy Research and Technique, 72 (2009), p. 755*);
207. Z. Glavcheva, D. Yancheva, E. Velcheva, B. Stamboliyska, N. Petrova, V. Petkova, G. Lalevd, V. Todorov, *Analytical studies of the alexandrovo thracian tomb wall paintings*, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**

- (ISSN: 1386-1425), Available online 7 February 2015, doi:10.1016/j.saa.2015.01.103, (ISI Factor 2,129/2013, SNIP: 1.130, SJR: 0.628), cit. ref. no. 23 (I.C.A. Sandu, C. Luca, I. Sandu, V. Vasilache, M. Hayashi, Rev. Chem. (Bucure^oti), 59 (2008) 384–387);
208. Chen Jianfeng Wenning (陈剑锋 温宁), *3Y-TZP color and translucency of research (3Y-TZP的颜色和半透明性研究)*, **Chinese Journal of Oral and Maxillofacial Repair (口腔颌面修复学杂志)**, 15, 2, 2014, pp. 101-105, cit.ref. no. ((A.M. Saviuc-Paval, A.V. Sandu, I.M. Popa, I.C.A. Sandu, A.P. Berteau, I. Sandu, Colorimetric and microscopic study of the thermal behavior of new ceramic pigments, Microscopy Research and Technique, 76(6), 2013, pp. 564-571);
209. S.R. Jefferies, A.E. Fuller, D.W. Boston, *Preliminary Evidence That Bioactive Cements Occlude Artificial Marginal Gaps*, **Journal of Esthetic and Restorative Dentistry**, 27, 3, 2015, pp.155-166 DOI: 10.1111/jerd.12133, (ISI Factor 0.808/2014) **cit. ref. no. 33** (Ciobanu, G., Carja, G., Ciobanu, O., Sandu, I., Sandu, A., Micron, 40, No. 1, 2009, p. 143) ();
238. F. Dragan, I. Kacso, S. Dreve, F. Martin, G. Borodi, I. Bratu, K. Earar, *Compatibility Study of Ibuprofen with Some Excipients Employed for Solid Dosage Forms*, **Revista de Chimie (Bucharest)**, (ISSN 0034-7752), 66, no. 2, 2015, pp. 191-195, (ISI Factor 0.677/2013), **cit. ref. no. 9.** (Constandache, T., Cerempei, A., Muresan, E.I., Popescu, V., Drobotu, M., Sandu, I., Rev. Chim, (Bucharest), 65, no. 8, 2014, p. 892);
239. S. Mulk, A. Azizullah, A.L. Korai, M.N.K. Khattak, *Impact of marble industry effluents on water and sediment quality of Barandu River in Buner District, Pakistan*, **Environmental Monitoring Assessment**, (ISSN: 0167-6369 eISSN: 1573-2959), (2015) 187:8, DOI 10.1007/s10661-014-4221-8, (ISI Factor 1.679/2014), **cit. ref. no. p. 23** (Sieliechi, J. M., Kayem, G. J., & Sandu, I. (2010). Effect of water treatment residuals (aluminum and iron ions) on human health and drinking water distribution systems. International Journal of Conservation Science, 1(3), 175–182);
240. F. Dragan, I. Kacso, S. Dreve, F. Martin, G. Borodi, I. Bratu, K. Earar, *Compatibility Study of Ibuprofen with Some Excipients Employed for Solid Dosage Forms*, **Revista de Chimie (Bucharest)**, (ISSN 0034-7752), 66, no. 2, 2015, pp. 191-195, (ISI Factor 0.677/2013), **cit. ref. no. 11.** (Sandu, I.C.A., Luca, C., Sandu, I., Atyim, P., Rev. Chim. (Bucharest), 52, no. 1-2, 2001, p. 46);
241. V.A. Trunova, V.V. Zvereva, N.V. Polosmak, D.I. Kochubey, V.V. Kriventsov, K.E. Kuper, Ya.V. Rakshun, D.S. Sorokoletov, *Investigating archaeological material from burials of the aristocracy of the Xiongnu people (Noin-Ula, Mongolia) by means of SRXRF, XAFS, and micro-SRXRF*, **Bulletin of the Russian Academy of Sciences: Physics**, January 2015, Volume 79, Issue 1, pp 109-117, Date: 31 Jan 2015, **cit. ref. no. 36** (Quaranta, M. and Sandu, I., Proc. 9th Int. Conf. on NDT of Art, Jerusalem, 2008, pp. 1–8.);
242. F. Dragan, I. Kacso, S. Dreve, F. Martin, G. Borodi, I. Bratu, K. Earar, *Compatibility Study of Ibuprofen with Some Excipients Employed for Solid Dosage Forms*, **Revista de Chimie (Bucharest)**, (ISSN 0034-7752), 66, no. 2, 2015, pp. 191-195, (ISI Factor 0.810/2014), **cit. ref. no. 13.** (Sandu, I.C.A., Luca, C., Sandu, I., Rev. Chim, (Bucharest), 51, no. 7, 2000, p. 532);
243. C. Defo, B.P.K. Yerima, I.M. K. Noumsi, N. Bemmo, *Assessment of heavy metals in soils and groundwater in an urban watershed of Yaoundé (Cameroon-West Africa)*, **Environmental Monitoring and Assessment**, (ISSN: 0167-6369

- eISSN: 1573-2959) 87, 77, 2015, (ISI Factor 1.679/2014), **cit. ref. no. 26** (Kouamé, IK, Kouassi Lazare, KBD, Kouamé, MA, Loan, DR, Romanescu, G., Issiaka, S., & Sandu, I. (2013).);
244. F. Dragan, I. Kacso, S. Dreve, F. Martin, G. Borodi, I. Bratu, K. Earar, *Compatibility Study of Ibuprofen with Some Excipients Employed for Solid Dosage Forms*, **Revista de Chimie (Bucharest)**, (ISSN 0034-7752), 66, no. 2, 2015, pp. 191-195, (ISI Factor 0.810/2014), **cit. ref. no. 14.** (Sandu I., Luca C., Sandu I.C.A., Ciocan, A., Sulitanu, N., *Rev. Chim. (Bucharest)*, 52, no. 9, 2001, p. 485);
245. I. Tudela, Y. Zhang, M. Pal, I. Kerr, T.J. Mason, A.J. Cobley, *Ultrasound-assisted electrodeposition of nickel: Effect of ultrasonic power on the characteristics of thin coatings*, **Surface and Coatings Technology** (ISSN: 0257-8972), **264**, 02, 2015, pp. 49-59, Available online 17 January 2015, doi:10.1016/j.surfcoat.2015.01.020, (ISI Impact Factor: 2.199), **cit. ref. no. 20** (N. Sulitanu, C. Pirghie, I. Sandu, *Rev. Chim.*, 58 (2007), pp. 20–24);
246. F. Dragan, I. Kacso, S. Dreve, F. Martin, G. Borodi, I. Bratu, K. Earar, *Compatibility Study of Ibuprofen with Some Excipients Employed for Solid Dosage Forms*, **Revista de Chimie (Bucharest)**, (ISSN 0034-7752), 66, no. 2, 2015, pp. 191-195, (ISI Factor 0.810/2014), **cit. ref. no. 17.** (Cernat, R.I., Mocanu, R.D., Popa, E., Sandu, I., Olariu, Arsene, C., *Rev. Chim. (Bucharest)*, 61, no. 11, 2010, p. 1130);
247. R. Xie, Y. Li, B. Guo, H. Hu, L. Jian, *Exploring microstructure and surface features of Chinese coins using non-invasive approaches*, **Applied Surface Science** (ISSN: 0169-4332), Volume 332, 30 March 2015, Pages 205–214, doi:10.1016/j.apsusc.2015.01.128, (ISI Factor 2.538/0.550 - 2013), **cit. ref. no. 9** (I. Sandu, O. Mircea, A.V. Sandu, I. Sarghie, I.G. Sandu, V. Vasilache, *Rev. Chim.*, 61 (2010), pp. 1054–1058);
248. A. Meghesan – Breja, C. Marutoiu, C. Cimpoiu, *Multi-residues Analysis for 88 Pesticides and Metabolites from Soil by Gas Chromatography-time - of - Flight Mass Spectrometry*, **Rev. Chim. (Bucharest)**, 66, No. 1, 2015, p. 32-38 (ISI Factor 0.677/2013), **cit. ref. no. 10** (Bejinariu, C., Sandu, A.V., Baciuc, C., Sandu, I., Toma, S.L., Sandu, I.G., *Rev. Chim. (Bucharest)*, 61, no. 10, 2010, p. 961);
249. K. Nasouri, A.M. Shoushtari, M.R. Mohaddes Mojtahedi, *Thermodynamic Studies on Polyvinylpyrrolidone Solution Systems Used for Fabrication of Electrospun Nanostructures: Effects of the Solvent*, **Advances in Polymer Technology** (ISSN: 0730-6679, Online ISSN: 1098-2329), Vol. 34, No. 3, 2015, DOI 10.1002/adv.21495 (ISI Factor 1.045/2014), **cit. ref. no. 20.** (Scarlet, R.; Manea, L. R.; Sandu, I.; Martinov, L.; Cramariuc, O.; Sandu, I. G., *Rev Chim* 2012, 63, 688);
250. M.O. Apostu, I.G. Sandu, L.M. Birsa, K. Earar, *Synthesis of Novel 4-Aryl-5-Methyl-1,3-Dithiolium Derivatives*, **Rev. Chim. (Bucharest)**, 66, No. 1, 2015, p. 39-42 (ISI Factor 0.677/2013), **cit. ref. no. 9** (Lungu, N.C., Sandu, I., Chirita, P., Birsa, M.L., *Rev. Chim.(Bucharest)*, 64, no. 7, 2013, p. 697);
251. A. Meghesan – Breja, C. Marutoiu, C. Cimpoiu, *Multi-residues Analysis for 88 Pesticides and Metabolites from Soil by Gas Chromatography-time - of - Flight Mass Spectrometry*, **Rev. Chim. (Bucharest)**, 66, No. 1, 2015, p. 32-38 (ISI Factor 0.677/2013), **cit. ref. no. 9** (Copcia, V., Hristodor, C., Luchian, C., Bilba, N., Sandu, I., *Rev. Chim. (Bucharest)*, 61, no. 12, 2010, p. 1192);
252. A. Meghesan – Breja, C. Marutoiu, C. Cimpoiu, *Multi-residues Analysis for 88 Pesticides and Metabolites from Soil by Gas Chromatography-time - of - Flight Mass*

- Spectrometry, Rev. Chim. (Bucharest)*, 66, No. 1, 2015, p. 32-38 (ISI Factor 0.677/2013), **cit. ref. no. 12** (*Bociort, D., Gherasimescu, C., Berariu, R., Butnaru, R., Branzila, M., Sandu, I., Rev. Chim. (Bucharest)*, 63, no. 11, 2012, p. 1152);
253. S. Ravi, C. Senthilkumar, *Multiferroism in new Bi₂FeMoO₆ material*, [Materials Express](#) (ISSN: 2158-5849 eISSN: 2158-5857), Volume 5, Number 1, January 2015, pp. 68-72(5), (ISI Factor 2.256/2014) **cit. ref. no. 21** (*E.-A. Perianu, I. A. Gorodea, F. Gheorghiu, A. V. Sandu, A. C. Ianculescu, I. Sandu, A. R. Jordan, and M. N. Palamaru; Preparation and Dielectric Spectroscopy Characterization of A₂MnMoO₆ (A = Ca, Sr and Ba) Double Perovskites; Rev. Chim. (Bucharest) 62, 17, 2011*);
254. R.T. Ogulata, H.I. Icoşlu, *Interaction between effects of ambient parameters and those of other important parameters on electrospinning of PEI/NMP solution*, **Journal of the Textile Institute** (ISSN: 0040-5000 eISSN: 1754-2340), 106, 1, 2015, pp. 57-66, DOI: 10.1080/00405000.2014.902561 (ISI Factor 0.770/2013), **cit. ref. no.** (*Scarlet, R., Manea, L.R., Sandu, I., Martinova, L., Cramariuc, O., Sandu, I.G., Study on the Solubility of Polyetherimide for Nanostructural Electrospinning, Revista de Chimie, Volume: 63 Issue: 7 Pages: 688-692, Published: JUL 2012*);
255. A. Garbacz-Klempka, S. Rządkosz, R. Klempka, W. Ossowski, *Metallographic and corrosion research of copper from archaeological sites*, **Metalurgija** (ISSN 0543-5846), 54, 1, 2015, pp. 217-220, (ISI Factor 0.755/2013), **cit. ref. no. 5** (*I.G. Sandu, O. Mircea, V. Vasilache, I. Sandu, Microscopy Research and Technique 75 (2012) 12, 1646-1652.*);
256. S. Nourbakhsh, *Comparison between laser application and atmospheric air plasma treatment on nanocellulose coating of polyester and nylon 66 fabrics*, **Journal of Laser Applications** (E-ISSN: 1938-1387), Volume 27, Number 1, February 2015, doi: 10.2351/1.4902832 (ISI Factor 1.338/2013), **Cit. ref. no. 25** (*N. Vrinceanu, D. Coman, A. Grigoriu, I. Sandu, "Hydrophilic surface patterning of polyamide textile materials using excimer UV laser treatment," in Fourth ITC and DC Conference, Dubrovnik, Croatia, 2008, p. 482*).

Monografii recenzate sau referențiate (1):

1. M. Alexandroaei, M. Ignat, **Biomateriale**, Ed. Performantica (ISBN 978-606-685-246-3), Iasi, 2015.

Lucrări proprii recenzate în reviste ISI și BDI (0):

Membru în comisii naționale de evaluare, titularizare/atestare

1. **Membru în comisia pentru ocuparea prin concurs** a postului didactic poz. 11 de Conferențiar la Facultatea de Textile-Pielărie și Management Industrial, Universitatea Tehnică Gheorghe Asachi din Iași, **Decizia Rectorului Nr. 2136/18.12.2014 cu adersa nr. 989/20.01.2015**, candidat: șef lucr.dr. ing. Vasilica POPESCU și șef lucr.dr.ing. Narcisa VRINCEANU, concursul în data de 30.01.2011, ora 12.00
2. **Membru în comisia pentru ocuparea prin concurs** a postului de cercet.st. poz. Dela Platforma Interdisciplinara de Cercetare și învățământ ARHEOINVEST, Departamentul de Științe, Universitatea Alexandru Ioan Cuza din Iași, **Decizia Rectorului Nr.,..., candidat asist.cercet. Felix-Adian TENCARIU**, concursul în data de ora 11.00 proba Practică și data de ... oară 11.00 Comunicare orală a perspectivei profesionale.
3. **Membru în comisia de doctorat în calitate de conducător (4)**, în baza Deciziei:

- Rectorului Universității Alexandru Ioan Cuza, nr. 11227/01.07.2015, pentru teza **Sisteme moderne de curatare a picturilor vechi**, elaborat de Silvea LAZAR (casatorita PRUTEANU) la data de 29.07.2015, Sala H I.
- Rectorului Universității Alexandru Ioan Cuza, nr. 18352/15.10.2015, pentru teza **Studiul unor noi caracteristiciarheometrice ale artefaxtelor de lemn vechi**, elaborat de Raluca Anamaria CRISTACHE la data de 18.12.2015, Sala Ferdinand.
- Rectorului Universității Alexandru Ioan Cuza, nr. 18351/15.10.2015, pentru teza **Procedee moderne de consolidare soi reintegrare a picturilor vechi**, elaborat de Ioana HUTANU la data de 18.12.2015, Sala Ferdinand
- Rectorului Universității Alexandru Ioan Cuza, nr. . 18350/15.10.2015, pentru teza **Impactul factorilor de mediu asupra picturilor pe lemn**, elaborat de Ana Maria BUDU la data de 18.12.2015, Sala Ferdinand.

4. **Membru în comisia de doctorat în calitate de referent oficial (0)**, în baza:

5. **Membru în comisia de titularizare pe post/grad didactic si de cercetare (4/1)**, în baza:

- Decizia Nr. 763/23.05.2015 a Rectorului Universitatii Dunarea de Jos, Galati, pentru postul de Conferentiar, pozitia 32 din Statul de Functii al Departamentului de Stiinte Generale a Facultatii Transfrontaliere de Stiinte Umanistice si Ingineresti, publicat in MO, Partea a III-a, nr. 402/28.04.2015, a candidatului ing. Stefan BALTA, concursul din data de 03.07.2015, Sala AN009;

- Decizia Nr. 757/26.05.2015 a Rectorului Universitatii Dunarea de Jos, Galati, pentru postul de profesor, pozitia 11 din Statul de Functii al Departamentului de Stiinte Generale a Facultatii Transfrontaliere de Stiinte Umanistice si Ingineresti, publicat in MO, Partea a III-a, nr. 402/28.04.2015, a candidatului fiz. Adrian CARCIUMARU, concursul din data de 03.07.2015, Sala AN009;

- Decizia Nr. 758/23.05.2015 a Rectorului Universitatii Dunarea de Jos, Galati, pentru postul de profesor, pozitia 7 din Statul de Functii al Departamentului de Stiinte Generale a Facultatii Transfrontaliere de Stiinte Umanistice si Ingineresti, publicat in MO, Partea a III-a, nr. 402/28.04.2015, a candidatei conf.dr.ing. Mihaela BUCIUMEANU, concursul din data de 03.07.2015, Sala AN009;

- Decizia Nr. 929/23.05.2015 a Rectorului Universitatii Tehnice Gheorghe Asachi din Iasi, pentru postul de Conferentiar, pozitia 6 din Statul de Functii al Departamentului de Inginerie organica, Biochimica si Alimentara, a Facultatii de Inginerie chimica si Protectia Mediului, publicat in MO, Partea a III-a, nr. 402/28.04.2015, a candidatei sef lucr.dr.ing. Anca Mihaela MOCANU, concursul din data de 07.07.2015, Sala Consiliu;

- Cercetare Platforma ARHEOINVEST, CS Florica MATAU si Felix Adrian TENCARIU perioada 24-27 ianuarie 2015 se va desfasura concursul pentru ocuparea postului de CS, poz.19 si 20, in statul de functii al Departamentului de Cercetare Interdisciplinar - Domeniul Stiinte, concurs in cadrul caruia dvs. veti fi membru al comisiei: proba scrisa: **24.01.2015** - ora **10** - **Biblioteca** Departamentului Stiinte (str. Lascar Catargi nr.54) Proba practica: **26.01.2015** - ora **11** - Sala **H1**, corp **H** Interviu+analiza dosarului: **27.01.2015** - ora **11** - **Biblioteca** Departamentului Stiinte

6. **Pre edinte al Juriului** la Concursul National Tehnico- tiin ific „Înv m s invent m”, Edi ia a X-a, 05-07 Nov. 2015, Palatul Copiilor Ia i, Pallas Mol, Iasi;

Director de proiecte prin programe nationale (2):

Director:

1. **Proiect** PN-II-RU-PRECISI-2015-9-7987, titlul: **Briquetage and salt cakes: an experimental approach of a prehistoric technique** Cod de identificare WOS:000352253100025, Data aplicarii: 03.11.2015 20:52, UEFISCDI Bucuresti, nr. 583, Director: Ion SANDU, valoare: 768 RONI/ARTRU 20 12 RIB 9202

2. **Proiect** PN-II-RU-PRECISI- 2015-9-8199, titlul: **Investigation of the dynamics and kinetics involved in saline aerosol generation under air erosion of pure and contaminated halide salts**, Cod de identificare WOS:000352245300010, Data aplicarii: 04.11.2015 09:33, UEFISCDI Bucuresti, nr. 804, Director: Ion SANDU, valoare: 572 RONI/ARTRU 20 12 RIB 7682

Membru in proiecte prin programe nationale (2):

Membru in echipa:

1. *Proiect* PN-II-RU-PRECISI- 2015-9-8052, titlul: **The influence of NaCl aerosols on weight and height development of children**, Cod de identificare WOS:000349012200015, Data aplicarii: 03.11.2015 22:43, UEFISCDI Bucuresti, nr. 658, Director: Andrei Victor SANDU, valoare: 285 RONI/ARTRU 20 12 RIB 9323

2. *Proiect* PN-II-RU-PRECISI-2015-9-8559, titlul: **Tinctorial Response of Recycled PET Fibers to Chemical Modifications during Saponification and Aminolysis Reactions**, Cod de identificare WOS: 000344042700007; DOI: 10.1021/ie5028974, Data aplicarii: 04.11.2015 12:34, UEFISCDI Bucuresti, nr. 583, Director: Vasilica POPESCU, valoare: 286 RONI/ARTRU 20 12 RIB 10692.

Membru in colectivul de cercetare a unor proiecte IDEI (2):

1. Proiect de cercetare IDEI – prof.univ.dr. Marius ALEXIANU

2. Proiect de cercetare cofinan at din Fondul Social European prin POSDERU – prof.univ.dr. Dorin POPA

Recunoa teri interna ionale i na ionale:

Medalii (27):

- **Aur: 17** (Varsovia – 1, Bangkok – 3, Cracovia – 1, Zagreb - 1, Taipei - 1, Chisinau – 1, Sevastopol – 1, Cluj-Napoca – 2, Iasi - 6),

- **Argint: 8** (Varsovia – 1, Bangkok – 2, Zagreb – 1, Taipei – 1, Chisinau – 2, Ia i – 1);

- **Bronz: 2** (Varsovia – 1, Chisinau – 1,);

Ordine i Distinc ii: 17 (Varsovia 2, Bangkok – 5, Cracovia – 1, Zagreb - 2, Taipei – 3, Chisinau – 3, Ia i – 1)

Diplome de Excelen : 5 (Zagreb – 1, Chisinau – 2, Ia i - 2).

Odine și distincții (17):

1. Thailand Award for Best International Invention – The National Research Council of Thailand, Taipei, 2015.
2. A Special Award at the Kaohsiung KIDE, Taipei, 2015.
3. Award Excellent Invention, Korea University Inventoin Association, Taipei, 2015.
4. Special Award, Iraqi Association of Inventors (ISI), Chisinau, 2015.
5. Special Award, Toronto International Society of Innovation and Advenced Skills (TISIAS), Chisinau, 2015.
6. Special Award, Institutul de Genetica, Fiziologie si Protectia Plantelor al Academiei de Stiinte din Moldova, Chisinau, 2015.
7. The Gran Prix of the National Exhibition of Inventions INOVA – BUDI UZOR 2015, Saudi Arabia.
8. Awards the Project of the Volga State University of Techology, INOVA – BUDI UZOR, Russia Federation.
9. Prize Outstanding Innovation Award - Thai Innovation and Invention Promotion Network, Warsaw, 2015
10. Medal Marie Curie for invention in Chemistry field, IWIS – International Warsaw Invention Show, 2015
11. Medal of Industrial Chemistry Research Institute of Warsaw, Krakow, 2015
12. **Speial Prize – NRCT** (Poligraph with integrated ayatem and testing method) – Bangkok, 2015;
13. **Leading Innovation Award – IIPNF** (Artificial Halo chamber for Multiple Users) – Bangkok, 2015;
14. **Certificate of Award - WIIPA** (Artificial Halo chamber for Multiple Users) – Bangkok, 2015;
15. **Honor of Invention** – Macao Innovation and Invention Association, Bangkok, 2015;
16. **Honor of Invention – WIIPA**, Bangkok, 2015;
17. **Special Priz**, President of Iraq Inventors Association, Iasi, 2015

Manifest ri tiin ifice interna ionale (13):

1. **The 10th International Conference “WOOD SCIENCE AND ENGINEERING IN THE THIRD MILLENNIUM”, ICWSE 2015**, November 5-7, 2015, TRANSILVANIA University, Brasov, ROMANIA (Member in Scientific Board);
2. **The Youth in the Conservation of Cultural Heritage, YOCOCU 2015**, Rome, 27-28 October 2015, Italy (Member in Scientific Board, 1 comunicare);
3. **The Third International Conference of Young Researchers “New Trends In Environmental And Materials Engineering” (TEME)**, Dunarea de Jos University of Galati, Romania 21 – 23 October 2015 (Member in Scientific Board, 5 comunicari);
4. **9-th International Warsaw Invention Show – IWIS**, Warsaw, Poland, 12-14 October 2015 (3 inventii, 3 medalii si doua ordine);
5. **The XIth International Salon of Inventions and New Technologies „NEW TIME”**, Sevastopol, 01-03 Oct.2015 (o inventie/o medalie de aur);
6. **International Exhibition of Economic and Scientific Innovation**, 23-26 June, Cracovia Poland (2 medalii si doua ordine);
7. **The second edition of the international conference COLOURS 2015: Bridging Science with Art**, Évora University, Portugal, 24 to 26 September, 2015 (1 comunicare);
8. **The Xth International Symposium Present Environment and Sustainable Development - PESD**, Alexandru Ioan Cuza University of Iasi, 05-08 June, 2014, Iasi (Member in Scientific Board, 2 comunicari, Diploma de excelenta),
9. **The Ist International Conference on Gilding Materials and Techniques in European Arts, GILT-EnART 2015**, Evora 25-27 of May 2015 (Member in Scientific Board, 5 comunicari);
10. **7th European Exhibition of Creativity and Innovation, EUROINVENT**, 14-16 May 2015, Iasi (President of Salon, Member of International Jury, 6 grupe de inventii);
11. **The Ist EUROINVENT International Conference on Innovative Research**, May 14th to 15th, 2015, Iasi – Romania (Editors and Member in Scientific Board, 4 comunicari);
12. **International Salon PROINVENT 2015**, Cluj-Napoca, 17-19 martie 2015 - Membru in Comitetul de Organizare (2 grupe de inventii, 2 Medalii de Aur);
13. **Thailand Inventors' Day 2015 At IMPACT Forum Creativity & Inspiration**, Bangkok, 2-5 Feb 2015 (2 medalii si un ordin),

Manifestări științifice naționale (1):

1. **Expotehnica – Salonul național al cercetării și inovării**, Bacau 19-23 septembrie 2015 (Parcul Expozitional Bacau), (cuvant de deschidere, presedinte – Comitetul Științific, 7 grupe de inventii);

Activități ca membru în asociații științifice și profesionale din străinătate:

- *Forumul Inventatorilor Români (Președinte);*
- *Societatea Română de Chimie (membru);*
- *Societatea EURACHEM – România (membru);*
- *Clubul Internațional de Inovare ARCHIMEDES, Moscova (membru fondator);*
- *Asociația Internațională a Inventatorilor (AI), Moscova (membru fondator);*
- *Groupe des Méthodes Pluridisciplinaires Contribuant à l'Archéologie (GMPCA) – Liege (Membru activ 2011).*

Activități în colectivul redacțional al unor reviste din străinătate:

- **INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE**, (Print ISSN 2067-533X, Online 2067-8223), „Al.I.Cuza” University of Iasi, (grupa CNCSIS B+/SCOPUS) – **Editor Șef**;
- **INTERNATIONAL JOURNAL OF CRIMINAL INVESTIGATION**, (Online ISSN:2247-0271), „Al.I.Cuza” Police Academy Bucharest and AIT SRL Laboratories, (grupa CNCSIS BDI) – **Senior Editor**;

- **OPEN JOURNAL OF ARCHAEOOMETRY** (PAGEPress Publications, Pavia, Italy), (eISSN 2038-1956), (BDI, SCOPUS) 2011 – **Editor i referent tiin ific**;
- **JOURNAL OF ARCHAEOLOGICAL SCIENCE: REPORTS (BDI, SCOPUS)** 2014 – **Editor i referent tiin ific**;
- **RECENT PATENTS ON CORROSION SCIENCE JOURNAL** (Bentham Science Publishers, New York), (ISSN 1877-6108), (BDI, SCOPUS) 2011 – **membru colegiul de redac ie i referent tiin ific**;
- **EGYPTIAN JOURNAL OF ARCHAEOLOGICAL AND RESTORATION STUDIES**, (print ISSN 2090-4932, eISSN 2090-4940), (BDI, SCOPUS) 2011 – **membru colegiul de redac ie i referent tiin ific**, <http://ejars.sohag-univ.edu.eg/>;
- **REVISTA DE CHIMIE** (ISSN 0034-7752), Bucure ti (cotat ISI Thomson, **Factor Impact 0.538/2012**) – **membru colegiul de redac ie i referent tiin ific**;
- **MATERIAL CHEMISTRY AND PHYSICS**, (ISSN: 0254-0584), ELSEVIER SCIENCE SA (cotat ISI Thompson, **Factor Impact 2.356/2010**) - **referent tiin ific**;
- **DESALINATION AND WATER TREATMENT**, (ISSN: 1944-3994), (cotat ISI Thompson, **Factor Impact 0.852/2012**) - **referent tiin ific**;
- **DESALINATION**, (ISSN: 0011-9164), (cotat ISI Thompson, **Factor Impact 3.041/2012**) - **referent tiin ific**;
- **JOURNAL OF ARCHAEOLOGICAL SCIENCE**, (ISSN: 0305-4403), Elsevier, (cotat ISI Thompson, **Factor Impact 1.710/2010**) – **referent tiin ific**;
- **JOURNAL OF APPLIED ELECTROCHEMISTRY**, (ISSN: 0021-891X - print version, ISSN: 1572-8838 - electronic version), Springer Netherlands, (cotat ISI Thompson, **Factor Impact 1.496/2010**) - **referent tiin ific**;
- **JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY**, (ISSN: 1388-6150 Print version si 1572-8943 Online version) Springer Budapest, (cotat ISI Thompson, **Factor Impact 1.752/2010**) - **referent tiin ific**;
- **ENGINEERING GEOLOGY** (ISSN: 0013-7952) Elsevier, (ISI Thompson, **Factor Impact: 2.315/2013**) - Scientific reviewer;
- **THERMOCHIMICA ACTA**, (ISSN: 0040-6031), Elsevier, (Cotata ISI Thompson, **Factor impact 1.908/2010**) - **referent stiintific**;
- **WOOD AND FIBER SCIENCE**, (ISSN: 0735-6161), (Cotata ISI Thompson, **Factor impact 0.717/2012**) - **referent stiintific**;
- **AFRICAN JOURNAL OF AGRICULTURAL RESEARCH (AJAR)** (ISSN 1991- 637X), (Cotata ISI Thompson, **Factor impact 0.263/2010**) - **referent stiintific**, www.academicjournals.org/ajar;
- **AFRICAN JOURNAL OF MICROBIOLOGY RESEARCH (AJMR)**, (ISSN 1996-0808), (Cotata ISI 0031 Thompson, **Factor impact 0.528/2010**) - **referent stiintific**, www.academicjournals.org/ajmr;
- **AFRICAN JOURNAL OF ENGINEERING RESEARCH (AJER)**, (non-ISI Thompson, Grupa CNCSIS BDI), 2013, - **referent stiintific**, www.netjournals.org/;
- **BASIC RESEARCH JOURNAL OF SOCIAL AND POLITICAL SCIENCE (BRJSPS)**, (non-ISI Thompson, Grupa CNCSIS BDI), 2013 - **referent stiintific**, www.basicresearchjournals.org
- **BIORESOURCES (BR)**, (ISSN: 1930-2126), (non-ISI Thompson, Grupa CNCSIS BDI), 2013- **referent stiintific**;
- **JOURNAL OF PETROLEUM AND GAS EXPLORATION RESEARCH (JPGER)**, (ISSN 2276-6510), (non-ISI Thompson, Grupa CNCSIS BDI), 2011 - **referent stiintific**, <http://interesjournals.org/JPGER/index.htm>;
- **JOURNAL OF ENGINEERING AND TECHNOLOGY RESEARCH (JETR)** (ISSN:2006-9790), (Grupa CNCSIS BDI) 2011 - **referent stiintific**, , www.academicjournals.org/jetr;
- **STUDIA ANTIQUA ET ARCHAEOLOGICA**, Universitatea „Al. I. Cuza” Ia i, ISSN (Grupa B+ CNCSIS, 2010-2011) – **membru colegiul de redac ie i referent tiin ific**;
- **ACTA UNIVERSITATIS CIBINIENSIS, Seria F CHEMIA** (ISSN 1583-5030), Universitatea „Lucian Blaga” Sibiu (grupa CNCSIS B+, SCOPUS) 2006-2011– **membru colegiul de redac ie i referent tiin ific**;

- ANALELE UNIVERSITĂȚII „DUNAREA DE JOS” DIN GALA I, Fascicula IX METALURGIE ÎN TIMPUL MATERIALELOR (ISSN 1453-083X), (grupa CNCSIS B+) 2006-2015 – *membru colegiul de redacție și referent științific*;
- PRO-LIGNO (ISSN 2069-7430), (grupa CNCSIS B+) –2009-2015 - *membru colegiul de redacție*;
- REVISTA DE INVENTICĂ (ISSN 1210-3084), Institutul Național de Inventică Iași (grupa CNCSIS B) – *membru colegiul de redacție*;
- REVISTA DANUBIUS (ISSN), Muzeul de Istorie Galați, (grupa CNCSIS C) –2010-2015 - *membru colegiul de redacție*;
- REVISTA CERCETĂRII ȘTIINȚIFICE (ISSN 2066-6713), Ed. Performanța Iași, - *membru în colegiul de redacție*;
- PATRIMONY BOOK, „Al.I.Cuza”University Publishing House, - *coordinated series*.

Membru în Juriile Internaționale (4):

- a. Croatian Invention Show INOVA 2014, Zagreb, 12-16.nov. 2015.
- b. Mejdunarodni Salon Izobretenii i Novih Tehnologii „Novoe Vremea”, Sevastopol, septembrie 2015;
- c. Expoziția Europeană a Creativității și Inovării – EUROINVENT, Iași, 14 – 16 mai 2015
- d. International Salon PROINVENT 2013, Cluj-Napoca, 19-23 martie 2015

Membru în comitetul de organizare/comitetul științific/chairman manifestări științifice internaționale și naționale (10):

1. The 10th International Conference “WOOD SCIENCE AND ENGINEERING IN THE THIRD MILLENNIUM”, ICWSE 2015, November 5-7, 2015, TRANSILVANIA University, Brasov, ROMANIA (Member in Scientific Board);
2. The Youth in the Conservation of Cultural Heritage, YOCOCU 2015, Rome, 27-28 October 2015, Italy (Member in Scientific Board);
3. The Third International Conference of Young Researchers “New Trends In Environmental And Materials Engineering” (TEME), Dunarea de Jos University of Galati, Romania 21 – 23 October 2015 (Member in Scientific Board);
4. The Xth International Symposium Present Environment and Sustainable Development - PESD, Alexandru Ioan Cuza University of Iasi, 05-08 June, 2014, Iasi (Member in Scientific Board),
5. The 1st International Conference on Gilding Materials and Techniques in European Arts, GILT-EnART 2015, Evora 25-27 of May 2015 (Member in Scientific Board);
6. 7th European Exhibition of Creativity and Innovation, EUROINVENT, 14-16 May 2015, Iasi (President of Salon, Member of International Jury)
7. The 1st EUROINVENT International Conference on Innovative Research, May 14th to 15th, 2015, Iasi – Romania (Editors and Member in Scientific Board);
8. International Salon PROINVENT 2015, Cluj-Napoca, 17-19 martie 2015 - Membru in Comitetul de Organizare;
9. Simpozionul Internațional „Conferința de Chimie Contemporană” (Academia Română și Revista de Chimie), Hotel Athenee Palace Hilton, București, 23 iunie 2015 – membru în Comitetul de Organizare;
10. Concursul Național Tehnic-științific “Invenții și Inventivitate”, Palatul Copiilor Iași, 7-8 septembrie 2015 (Președintele Juriului)

Activitate didactică :

În anul universitar 2014 – 2015 am de efectuat un număr total mediu de 13,75 ore/săptămână activități didactice, din cele 24,15 ore/săptămână total activități, după cum urmează :

- Cursuri:

11. Expertiză științifică a operelor de artă (anul II Master) 3,75 ore;
12. Chimie pentru conservare-restaurare (anul II Licență) 4,00 ore;
13. Restaurare metal (anul III Licență) 1,00 ore.

- **Lucrări practice:**

1. Expertiza științifică a operelor de artă (anul II Master) 4,5 ore;
2. Chimie pentru conservare-restaurare (anul II Licență) 2,00 ore;
3. Restaurare metal (anul III Licență) 0,50 ore.

- **Alte activități cumulate însumând 8,4 ore, cuprind:**

1. *Examene:* 0,9 ore/s pt mână (ce corespund pentru 38 de studenți în loc de 48 efectiv pentru 2009-2010);
2. *Consultații:* 3,00 ore/s pt mână (1,00 ore disertații și 2,00 ore licență);
3. *Participare la Consiliul Profesional:* 0,5 ore/s pt mână
4. *Cercetare:* 4,00 ore/s pt mână.

Titular la alte discipline din Universitatea „Al.I.Cuza” Iași:

- *Ecologia sistemelor sportive*, Master, anul I, sem I (Facultatea de Ed. Fizică și Sport) 2,5 ore/s ptamână curs și 1,5 ore/s ptamână seminar;
- *Metodologia programelor și proiectelor de cercetare științifică în geotehnologie, anul I, Școala Doctorală de Știința Mediului* (Facultatea de Geografie și Geologie), 3,2 ore/s pt mână;
- *Conducere teme de doctorat*, anul I, II și III, Școala Doctorală de Știința Mediului (Facultatea de Geografie și Geologie) $0,5 \times 9 = 4,5$ ore/s pt mână.

Activități de expertizare:

- Executarea expertizelor pentru 3 lucrări de restaurare și pictură frescă;
- Executarea expertizelor pentru 6 probe de var utilizate la realizarea frescelor;
- Executarea expertizelor de autentificare pentru 5 violi Stradivarius;
- Executarea expertizelor de autentificare pentru 12 picturi de sec. XVII și XIX.