

2016

1. ***Monitoring of biodeteriogens in wooden churches. Case study: Amarasti church*** - I. Gomoiu, R. Cojoc, M. Enache, I. Mohanu, D. Mohanu, 2<sup>nd</sup> International Conference on Art & Archaeology, Jerusalem, Israel, 11-14 December, 2016;
2. ***Opportunities and limits in using of metallurgical slags in eco-friendly cement production*** - J. Paceagiu, I. Mohanu, R. Trusca, International Conference "Building Materials, Constructions And Designs Of XXI Century", St. Petersburg, Russia, 22-25 November, 2016;
3. ***Assessing susceptibility of new mortars for restoration to pink colonization*** - I. Gomoiu, I. Mohanu, D. Mohanu, M. Enache, S. Neagu, R. Cojoc, C. Serendan, K. Paviliuc, 4<sup>th</sup> Historic Mortars Conference - HMC 2016, Santorini, Greece, 10-12 October, 2016;
4. ***The use lime mortar in the conservation the frescoes of the wooden churches in Romania*** - I. Mohanu, D. Mohanu, I. Gomoiu, 4<sup>th</sup> Historic Mortars Conference - HMC 2016, Santorini, Greece, 10-12 October, 2016;
5. ***Study of tricalcium silicate (alite) as solid solution with SnO<sub>2</sub>*** - L. Predoana, D. Năstac, I. Atkinson, J. Pandeale Cușu, C. Munteanu, V. Fruth, 16<sup>th</sup> International Conference of Physical Chemistry, Galați, Romania, 21-24 September, 2016;
6. ***Main Portland cement clinker phases polymorphism related to foreign ions*** - D. Năstac, L. Predoana, C. Munteanu, V. Fruth, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;
7. ***Correlation between composition, processing conditions and microstructure of Portland clinker using multivariate analysis*** - Z. Ghizdăveț, D. Năstac, M. Eftimie, A. Volceanov, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;
8. ***The influence of calcium sulphoaluminate on binder properties of the high refractory mineralogical compounds from high alumina cements*** - C. Stancu, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;
9. ***The evolution of heavy metals emissions from cement plants in the years 2014 and 2015 in relation to limitation of law*** - M. Martin, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;
10. ***Industria silicaților și compușilor oxidici din România în contextul integrării Europene /Industry of silicates and oxidic compounds of Romania in the context of European integration*** - D. V. Pușcașu, M. Georgescu, J. Paceagiu, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;
11. ***Materiale termoizolatoare pe bază de polipropilenă și materiale silicioase/Thermal insulation materials based on polypropylene and siliceous materials*** - J. Paceagiu, Z. Vuluga, M. Martin, L. Radu, M. Iorga, V. Apostol, H. Pop, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;

12. ***Senzori de gaze toxice și inflamabile bazați pe capacitoare MOS pe SiC/Toxic and inflammable gas sensors based on SiC MOS capacitors*** - D. V. Pușcașu, A. G. Pribeanu, R. Pascu, F. Crăciunoiu, G. Brezeanu, F. Drăghici, G. Pristavu, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;
13. ***Senzori inteligenți de temperaturi înalte, pe carbură de siliciu, pentru aplicații în medii ostile /High Temperature SiC Smart Sensors in Hostile Environments Applications*** - G. Brezeanu, A. G. Pribeanu, D.V. Pușcașu, F. Drăghici, M. Bădilă, G. Pristavu, R. Pascu, F. Crăciunoiu, I. Rusu, F. Bernea, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;
14. ***Analiza de monitorizare a temperaturii în industria cimentului – alternativă carbură de siliciu/Temperature monitoring analysis in the cement industry – the Silicon Carbide alternative*** - A. G. Pribeanu, D. V. Pușcașu, F. Bernea, G. Brezeanu, F. Drăghici, G. Pristavu, R. Pascu, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;
15. ***Metodologii de optimizare a proceselor analitice. Modelul matematic al sistemului optimizat/ Methodologies for optimizing analytical processes. Mathematical model of the optimized system*** - G. Ciortan, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;
16. ***Materiale compozite destinate protecției împotriva radiațiilor gamma/Composite materials used for gamma radiation shielding*** - A. Moanță, V. Fugaru, M. Gheorghe, I. Petre, M. Coarnă, L. Radu, N. Saca, E. Vasile, R. Trușcă, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;
17. ***The colonization of mortars by bacteria and fungi*** - I. Gomoiu, M. Enache, I. Mohanu, R. Cojoc, S. Neagu, D. Mohanu, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;
18. ***Efectul aditivilor asupra caracteristicilor mortarelor pe bază de var/Effect of the additives on the characteristics of the mortars based on lime*** - I. Mohanu, D. Mohanu, I. Petre, M. Coarnă, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;
19. ***Evaluation of the characteristics of lime mortars reinforced with fibers of hemp*** - I. Mohanu, D. Mohanu, I. Gomoiu, A. Moanta, L. Radu, C. Serendan, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;
20. ***Glass ceramic in Na<sub>2</sub>O – CaO – P<sub>2</sub>O<sub>5</sub> – SiO<sub>2</sub> system for tissue engineering*** - A. Vijan, S. Stoleriu, 12<sup>th</sup> Conference on the Science and Engineering of Oxide Materials - CONSILOX XII, Sinaia, Romania, 16-20 September, 2016;
21. ***Gamma ray shielding properties of some concrete materials*** - V. Fugaru, C. Postolache, M. Gheorghe, L. Radu, N. Saca, A. Moanță, I. Petre, 6<sup>th</sup> International Advanced in Applied Physics & Materials Science Congress - APMAS 2016, Istanbul, Turcia, June, 2016;
22. ***The valorisation of the CRT glass as pozzolana and fine recycled sand into grouts for low level radioactive waste encapsulation*** - C. Mazilu, N. Saca, L. Radu, M. Gheorghe, I. Petre,

16<sup>th</sup> International Multidisciplinary Scientific GeoConference - SGEM 2016, Albena, Bulgaria, 2016;

23. *Mortars for conservation an atypical case - fresco painting in the wooden churches* - I. Mohanu, D. Mohanu, I. Gomoiu, A. Moanță, I. Petre, L. Radu, The 41<sup>st</sup> International Symposium on Archaeometry - ISA 2016, Kalamata, Greece, 15-21 May, 2016;
24. *Environmental and biopigmentation monitoring. Case study: The refectory from Hurezi monastic complex - Romania* - I. Gomoiu, D. Mohanu, I. Mohanu, M. Enache, R. Cojoc, S. Neagu K. Paviliuc, The 41<sup>st</sup> International Symposium on Archaeometry - ISA 2016, Kalamata, Greece, 15-21 May, 2016;
25. *Environmental impact on biopigmentation of mural painting* - I. Gomoiu, M. Dumbrăvician, D. Mohanu, I. Mohanu, L. R. Cojoc, M. I. Enache, S. Neagu, R. Rădvan, A. Chelmuș, 6<sup>th</sup> International Advances in Applied Physics and Materials Science Congress & Exhibition, Istanbul, Turkey, 2016.

## 2015

1. *Biodeterioration of wooden churches from Romania. Case studies: The church from-Amărăști, Vâlcea County* - I. Gomoiu, M. I. Enache, R. Cojoc, I. Mohanu, D. Mohanu, VI International Conference on Environmental, Industrial and Applied Microbiology - BioMicroWorld2015, Barcelona, Spain, 28-30 October, 2015;
2. *Analysis of historical monuments through the lens and electrons. Case study: the monastery Hurezi* - I. Gomoiu, I. Mohanu, D. Mohanu, M. Enache, R. Cojoc, 3<sup>rd</sup> International Multidisciplinary Microscopy and Microanalysis Congress - InterM 2015, Oludeniz, Turkey, 19-23 October, 2015;
3. *Effect of SnO<sub>2</sub> on the formation and hydration of tricalcium silicate* - D. Năstac, L. Predoana, I. Atkinson, J. Pandeale, C. Munteanu, V. Fruth, 19<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, Sibiu, Romania, 2-5 September, 2015;
4. *Consideration regarding comparative studies of laboratory for water-soluble chromium (VI) content of cement* - C. Cionoiu, M. Martin, L. Vana, E. Tănase, M. Focșa, 5<sup>th</sup> International Proficiency Testing Conference - PT-Conf, Timișoara, Romania, 15, 16-18 September, 2015;
5. *Estimating the fractal dimension of the microstructure of some clinkers. Implications* - Z. Ghizdăveț, D. Năstac, A. Volceanov, M. Eftimie, B. Ștefan, I. Stanciu, 19<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, Sibiu, Romania, 2-5 September, 2015;
6. *SnO<sub>2</sub> influence on the alite formation and its hydration behaviour* - D. Năstac, L. Predoana, I. Atkinson, J. Pandeale, C. Munteanu, V. Fruth, 7<sup>th</sup> International Workshop "Advanced optical and X-ray characterization techniques of multifunctional materials for information and communication technologies, sensing and renewable energy applications", Bucharest, Romania, 16-18 September, 2015;
7. *Incorporation of Sn in tricalcium silicate* - L. Predoana, D. Năstac, I. Atkinson, J. Pandeale, C. Munteanu, V. Fruth, 3<sup>rd</sup> Conference of the Serbian Society for Ceramic Materials, Belgrade, Serbia and Montenegro, 15-17 June, 2015;

8. *Analysis of the conservation status of the wooden church from the Ionestii Govorii village – Romania* - I. Mohanu, D. Mohanu, I. Gomoiu, O. Hinamatsuri Barbu, R. M. Fechet, N. Vlad, G. Voicu and R.Trusca, Non-destructive and microanalytical techniques in art and cultural heritage - TECHNART 2015, Catania, Italy, 27-30 April, 2015;
9. *Analysis of pink discolouration on frescoes from Hurezi Monastery Romania* - I. Gomoiu, D. Mohanu, I. Mohanu, M. Enache, C. Serendan, R. Cojoc, Non-destructive and microanalytical techniques in art and cultural heritage - TECHNART 2015, Catania, Italy, 27-30 April, 2015;
10. *Materiale compozite cu proprietăți termice îmbunătățite utilizând microsferă anorganice/ Composite materials with improved thermal properties using inorganic microspheres* - G. Velciu, C. Țârdei, A. Dumitru, V. Marinescu, C. D. Voinițchi, M. Menicu, A. Moanță, 12<sup>th</sup> National Ceramic Powder Symposium 2015, Bucharest, Romania, 13 November, 2015;
11. *Materiale compozite termoizolante bazate pe cenuși de termocentrală destinate creșterii eficienței energetice a clădirilor/Thermal insulating composite materials based on thermal power plant ash intended to increase the energy efficiency of buildings* - G. Velciu, V. Taskiris, D. Voinițchi, A. Moanță, M. Menicu, 21<sup>st</sup> Energy Engineering Conference - CIE 2015, Baile Felix, Oradea, Romania, 04-06 June, 2015;
12. *Biodeteriorarea picturii murale din trapeza mănăstirii Horezu/ Biodeterioration of the mural painting in the refectory of the Horezu monastery* - I. Gomoiu, D. Mohanu , I. Mohanu, C. Serendan, M. Enache, R. Cojoc, S. Neagu, K. Paviliuc, Theoretical Communication Session - UNAB, Bucharest, Romania, 29<sup>th</sup> May, 2015;
13. *O categorie aparte a patrimoniului eclezial: bisericile de lemn pictate în frescă/A special category of ecclesiastical heritage: wooden churches painted in fresco* - D. Mohanu, I. Mohanu, I. Gomoiu, Theoretical Communications Session “Artistic Object. Aesthetic Object - Theoretical and artistic perspectives”, National University of Arts at UNAGaleria, 29<sup>th</sup> May, 2015;
14. *Perspective de supaviețuire în comunitate a bisericilor de lemn: două cazuri noi/ Perspectives of community survival of wooden churches: two new cases* - D. Mohanu, I. Mohanu, I. Gomoiu, 16<sup>th</sup> Annual Symposium “Architecture. Restoration. Archeology ”, Institute of Archeology - Casa Macca, Bucharest, Romania, 24-26 April 2015;

## 2014

1. *Structural and mechanical characterization of high alumina additivated cement based on high refractory mineralogical compounds* - N. Angelescu, C. Stancu, V. Bratu, The first International Conference on Construction Materials and Structures - ICCMATS 2014, Johannesburg, South Africa, 24-26 November, 2014;
2. *The aggregate influence on the physical and mechanical properties of the concretes for use as gamma radiation shielding* - M. Gheorghe, N. Saca, L. Radu, A. Moanță, V. Fugaru, 14<sup>th</sup> International Multidisciplinary Scientific GeoConference - SGEM 2014, Albena, Bulgaria, June, 2014;

3. ***The influence of mineralogical composition of high alumina cement on its physical - mechanical properties*** - C. Stancu, N. Angelescu, M. Muntean, Calcium Aluminate cements 2014, Avignon, France, 18-21 May, 2014;
4. ***Gamma ray shielding properties of some concrete materials*** - V. Fugaru, S. Bercea, C. Postolache, S. E. Manea, A. Moanță, I. Petre, M. Gheorghe, 4<sup>th</sup> International Advanced in Applied Physics & Materials Science Congress - APMAS 2014, Turkey, 24-27 April, 2014;
5. ***Biodeteriorarea bisericilor de lemn și protocolul privind intervenția de restaurare-conservare. Cazul Urși/ Biodeterioration of wooden churches and the protocol regarding the restoration-conservation intervention. The Urși case*** - I. Gomoiu, D. Mohanu, I. Mohanu, Architecture Symposium Restoration Archeology - ARA 15, Bucharest, Romania, 24-26 April, 2014;
6. ***Cimenturi speciale pentru obținerea betoanelor destinate ecranării radiațiilor gamma/ Special cements for obtaining concrete for shielding gamma radiation*** - A. Moanță, I. Petre, V. Fugaru, M. Gheorghe, L. Radu, N. Saca, Romanian news in concrete production, Bucharest, Romania, September, 2014.