

LISTA DE LUCRĂRI A CANDIDATULUI

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A. Tratatate, monografii, cursuri universitare publicate la edituri naționale recunoscute CNCSIS

A2. Practical examples regarding the valorization of cultural heritage through archaeometry studies using nuclear techniques and other scientific methods, EDITORS: R.C. Fierascu, I. Fierascu, M. Doni, Editura Printech, 2018

B. BREVET DE INVENTIE

A 2019 -00693/29.10.2019 cu titlu: Produse multifuncționale pe bază de nanomateriale silicioase naturale și procedeu de obținere a acestora solicitant ICECHIM rezultata din contractul MADR ADER 739 inventatori: Oancea Florin, Constantinescu –Aruxandei Diana, Trică Bogdan, Dimitriu Luminița, Șomoghi Raluca

LISTA CONFERINȚE ȘTIINȚIFICE NAȚIONALE ȘI INTERNAȚIONALE

1. Lorena IANCU*, Rodica-Mariana ION, Ramona Marina GRIGORESCU, Paul Niculae GHIOCA, Madalina Elena DAVID, Ramona Elena ANDREI, George Ionut RADU, Mircea Ioan FILIPESCU, Raluca Ioana SUICA-BUNGHEZ, Cristian Andi NICOLAE, **Raluca SOMOGHI**, Bogdan TRICA, Sofia TEODORESCU, Surface consolidation of model stone samples with carbonated hydroxyapatite.
2. Radu Claudiu FIERASCU, Roxana Ioana BRAZDIS*, Ileana FĂRCĂȘANU, Lavinia RUTA, Lia Mara DITU, Anca Nicoleta SUTAN, Cristian Andi NICOLAE, Valentin RADITOIU, **Raluca SOMOGHI**, Cristina Liliana SOARE, Decorated apatitic materials: synthesis, characterization and potential application.
3. Aurel Diacon, Alexandra Mocanu, Cristian Eugen Raducanu, Edina Rusen, Cristina Busuioc, **Raluca Somoghi**, Bogdan Trica, Adrian Dinescu, Synthesis and characterization of new carbon/ZnO/Li₂O nanocomposites with enhanced photocatalytic activity, RICCE 21st Romanian International Conference on Chemistry and Chemical Engineering, Constanta - Mamaia, ROMANIA.
4. R.C. FIERASCU, I. FIERASCU, **R. SOMOGHI**, Green alternatives for the obtaining of metallic nanoparticles: phytosynthesis and radiation assisted method, 11th International Conference on Materials Science and Engineering – BraMat 2019.
5. V. RADITOIU, R. MANEA, V. PURCAR, A. RADITOIU, F.M. RADULY, A. FRONE, **R. SOMOGHI**, G.C. ISPAS, L.E. WAGNER, Anti-reflective and hydrophobic films obtained from sol-gel silica materials with long alkyl chains, 11th International Conference on Materials Science and Engineering – BraMat 2019.
6. Irina Fierascu, Radu Claudiu Fierascu, Cristian Andi Nicolae, **Raluca Somoghi**, Stefan Ovidiu Dima, Sorin Marius Avramescu, Development and characterization of new adsorbent materials for the depollution of water resources, International Scientific Symposium Current Trends in Natural Sciences, April 19-21, Pitesti, 2018.
7. Irina Fierascu, Valentin Raditoiu, Cristian Andi Nicolae, Alina Raditoiu, **Raluca Somoghi**, Monica Raduly, Bogdan Trica, Radu Claudiu Fierascu, Lia Mara Ditu, Analytical Characterization and Potential Applications of Metal-Substituted Apatitic Materials, The Fifth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, "IC-ANMBES 2018", 23-25 mai 2018, Brasov.
8. Irina Fierascu, Radu Claudiu Fierascu, Cristian Andi Nicolae, **Raluca Somoghi**, Gabriel Vasilievici, Sorin Marius Avramescu, Sorin Claudiu Ulinici, Characterisation Methods For Catalytic Materials Used For The Removal Of Endocrine Disrupting Chemicals From Water Sources, International Scientific Symposium Current Trends in Natural Sciences, April 19-21, Pitesti, 2018.
9. Șerbu Nicoleta-Roxana, Purcar Violeta, Nichita Cornelia, Căprărescu Simona, **Somoghi Raluca**, Raduly Monica, GENTAMICIN-LOADED SILICA NANOPARTICLES OBTAINED BY MICROWAVE SYNTHESIS, 5th International Conference "Geography, Environment and GIS, for students and young researchers", Targoviste, Romania, 17-19 mai 2018.
10. **Somoghi Raluca**, Purcar Violeta, Nițu Georgiana Sabina, Gîfu Ioana Cătălina, Alexandrescu Elvira, Căprărescu Simona, NANOSTRUCTURED MATERIALS BASED ON ZNO WITH CONTROLLED SHAPE AND SIZES, OBTAINED BY SOL-GEL PROCESS, 5th International Conference "Geography, Environment and GIS, for students and young researchers", Targoviste, Romania, 17-19 mai 2018.
11. Matei Maria Daniela, Căprărescu Simona, Purcar Violeta, **Somoghi Raluca**, Dăncilă Madelene Annette, CORROSION PROTECTION OF MILD STEEL IN NATURAL WATER USING DIFFERENT COMMERCIAL LIQUID ADDITIVES, 5th International Conference "Geography, Environment and GIS, for students and young researchers", Targoviste, Romania, 17-19 mai 2018.
12. Cinteza Ludmila Otilia, Bala Daniela, Petcu Cristian, **Somoghi Raluca**, Purcar Violeta, NOVEL HYBRID MATERIALS WITH ZnO NANOPARTICLES FOR ANTI-ICING AND ANTICORROSION COATINGS ON METALLIC SURFACES, RW- 395th International Conference on Chemical and Biochemical Engineering (ICCBE), Zurich, Elveția, 16 -17 iunie 2018.
13. **Somoghi Raluca**, Fierascu Irina, Fierascu Radu Claudiu, Purcar Violeta, Cotrut Cosmin Mihai, SOL-GEL SYNTHESIS OF MODIFIED ZINC OXIDE NANOPARTICLES FOR METALLIC COATINGS AND THE ANTI-CORROSIVE EFFECT OF THE FINAL MATERIALS, 25th Congress of SCTM, Ohrid, Macedonia, 19-22 septembrie 2018.
14. Irina Fierascu, Radu Claudiu Fierascu, **Raluca Somoghi**, Sorin Marius Avramescu, Sorin Claudiu Ulinici, Gabriel Vasilievici, Cristian-Andi Nicolae, SYNTHESIS AND CHARACTERIZATION OF CATALYTIC SYSTEMS COMPOSED OF METALLIC OXIDES DEPOSITED ON Al₂O₃ WITH APPLICATIONS IN ADVANCED OXIDATION PROCESSES, 25th Congress of SCTM, Ohrid, Macedonia, 19-22 septembrie 2018.
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19. **R. Șomoghi**, V. Purcar, R. Ianchiș, S. G. Nițu, B. Trică, E. Alexandrescu, C. I. Gîfu, C. Petcu, S. Căprărescu, *Designing of new nanostructured zinc oxide materials for coatings of metallic surfaces*, International Symposium on Synthesis and Catalysis – IsySyCat 2017, Evora, Portugal, 5-8 Sept. 2017;
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23. V. Purcar, C. Nichita, E. Alexandrescu, **R. Șomoghi**, V. Rădițoiu, S. Căprărescu, *Modified silica nanoparticles obtained by microwave synthesis*, 4th International Conference Geography, Environment and GIS for students and young researchers, Targoviste, Romania, 18-20 mai 2017;
24. R.C. Fierascu, I. Fierascu, **R. Somoghi**, R.M. Ion, A. Moanta, L.M. Ditu, *Tuned apatitic materials: synthesis, characterization and potential applications*, Bramat 2017, Brasov
25. Irina FIERASCU, Radu Claudiu FIERASCU, Cristian-Andi NICOLAE, Stefan Ovidiu DIMA, **Raluca SOMOGHI**, Lia-Mara DITU, *Synthesis, characterisation and antimicrobial applications of phosphate materials based on calcium apatite scaffold*, CEEC-TAC 2017
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