

Drd. Ing. Toma Fistos
List of papers that include data from the thesis

PAPERS LIST

1. **T. Fistos**, M. Doni, I.E.Chican, R.C.Fierascu, *A Short Overview of Recent Developments in the Application of Polymeric Materials for the Conservation of Stone Cultural Heritage Elements*, *Materials* **15** (2022) 6294, IF= 3,4
2. **T. Fistos**, I. Fierascu, R.C. Fierascu. *Recent Developments in the Application of Inorganic Nanomaterials and Nanosystems for the Protection of Cultural Heritage Organic Artifacts*, *Nanomaterials* **12(2)** (2022) 207, IF= 4,7
3. **T.Fistos** , S.V. Dolana, R.I.Matei (Brazdis), I.Fierascu, F.M Raduly, C.A.Nicolae, T.V. Iordache, A.Ficai, R.C. Fierascu, *Composite material with antimicrobial effect for the preservation of waterlogged wood cultural heritage objects*, *University Politehnica of Bucharest Scientific Bulletin Series B-Chemistry and Materials Science* (2024) ISSN 1454-2331, IF= 0,5 (În curs de publicare)
4. **T. Fistos**, I. Fierascu, D. Manaila-Maximean, R.C.Fierascu, *Advancements in Stone Object Restoration Using Polymer-Inorganic Phosphate Composites for Cultural Heritage Preservation*, *Polymers* **16(14)** (2024) 2085, IF= 4,9
5. R.C. Fierascu, I. Fierascu, A.M. Baroi, R.I. Brazdis, **T. Fistos**, C.A. Nicolae, V. Raditoiu, I.C. Inel, V. Sava, *Characterization of historical ceramics: a case study*, *Romanian Reports in Physics* **72** (2020) 801, IF= 2,1
6. I. Fierascu, R.C.Fierascu, **T.Fistos**, L.Motelica, O.Oprea, A.Nicoara, A.Ficai, A.Stirban, M.S.Zgarcui, *Non-invasive microanalysis of a written page from the Romanian heritage "The Homiliary of Varlaam (Cazania lui Varlaam)"*, *Microchemical Journal* **168** 2021 106345, IF=4,9
7. I.Fierascu, A.M.Baroi, R.I.Brazdis, **T.Fistos**, C.A.Nicolae, V.Raditoiu, I.C.Inel, V.Sava, R.C.Fierascu, *Archaeometrical Characterization of Romanian Late Bronze Age Ceramic Fragments*, *Frontiers in Materials* **8** 2021 630137 IF= 2,6

SCIENTIFIC MEETINGS ATTENDED

International

1. **T. Fistos**, R.I. Brazdis, A.M. Baroi, I. Fierascu, L.M. Ditu, R.C. Fierascu, *Enhancement Of Antimicrobial Potential Of Apatitic Materials For Cultural Heritage Applications*, *International Scientific Conference „Applications of Chemistry in Nanosciences and Biomaterials Engineering*, Bucharest *June* 2021, poster presentation
2. **T. Fistos**, R.I. Brazdis, A.M. Baroi, I. Fierascu, L.M. Ditu, V. Raditoiu, R.C. Fierascu, *Potential Application Of Apatitic Materials Substituted With Co And Zn As Antimicrobial Treatment In The Preservation Of Cultural Heritage*, *Priorities of Chemistry for a Sustainable Development*, PRIOCHEM 16th Edition, INCDCP – ICECHIM, Bucharest, Romania, *oct.* 2021, poster presentation
3. **T. Fistos**, R.I. Brazdis, A.M. Baroi, I. Fierascu, L.M. Ditu, V. Raditoiu, R.C. Fierascu, *Phosphate Materials With Potential Antimicrobial Properties For The Conservation Of Cultural Heritage*, *Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat*, University POLITEHNICA of Bucharest, *nov.* 2021, poster presentation

4. **T. Fistos**, R.I. Brazdis, A.M. Baroi, I. Fierascu, L.M. Ditu, V. Raditoiu, R.C. Fierascu, *Potential Antimicrobial Apatitic Materials Improved With Different Metals For Heritage Science*, Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat Summer edition, University POLITEHNICA of Bucharest, *June 2022*, poster presentation
5. **T. Fistos**, A. Melinescu, L.M. Ditu, A. Fikai, D. Fikai, F. Marinescu, R.I. Matei (Brazdis), I. Fierascu, A.M. Baroi, C.A. Nicolae¹, R.C. Fierascu. *Tailoring Protective Coatings For The Protection Of Cultural Heritage Inorganic Objects – InHeritage Project*, The International Symposium "PRIORities of CHEMistry for a sustainable development" PRIOCHEM XVIIIth Edition, INCDCP –ICECHIM, Bucharest, Romania, *Oct. 2022*, poster presentation
6. **T. Fistos**, R.I. Brazdis, A.M. Baroi, I. Fierascu, L.M. Ditu, V. Raditoiu, R.C. Fierascu, *Application Of Phosphat Materials With Potential Antimicrobial Properties Enhance With Heavy Metals On Different Types Of Bricks*, Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat Winter edition, University POLITEHNICA of Bucharest, *Nov. 2022*, poster presentation
7. **T. Fistos**, R.I. Brazdis, A.M. Baroi, I. Fierascu, L.M. Ditu, V. Raditoiu, R.C. Fierascu, *Apatitic Materials Improve With Heavy Metals With Potential Antimicrobial Properties For The Treatment Of Wood And Stone Cultural Heritage Objects*, Virtual International Scientific Conference on “Applications of Chemistry in Nanosciences and Biomaterials Engineering” NanoBioMat 2023 – Summer Edition *June 2023*, poster presentation
8. **T. Fistos**, A. Melinescu, L.M. Ditu, A. Fikai, D. Fikai, F. Marinescu, R.I. Matei (Brazdis), I. Fierascu, A.M. Baroi, C.A. Nicolae, R.C. Fierascu, *Multifunctional Composite Materials (With Consolidation, Self-Cleaning And Antimicrobial Properties) Applicable For The Preservation Of Inorganic Substrates*, The International Symposium "PRIORities of CHEMistry for a sustainable development" PRIOCHEM XIXth Edition, INCDCP –ICECHIM, Bucharest, Romania *Oct. 2023*– poster presentation

National

1. **T. Fistos**, R.I. Brazdis, A.M. Baroi, I. Fierascu, L.M. Ditu, R.C. Fierascu, *Apatitic Materials Enhanced With Heavy Metals With Potential Antimicrobial Properties For The Preservation Of Cultural Heritage*, NeXT-Chem: Innovative cross-sectoral technologies, IVth Edition, INCDCP-ICECHIM, Bucharest – ROMANIA, *May, 2022*, oral presentation
2. **T. Fistos**, R.I. Brazdis, A.M. Baroi, I. Fierascu, L.M. Ditu, V. Raditoiu, R.C. Fierascu, *Treatment Of Cultural Heritage Objects With Phosphate Materials With Potential Antimicrobial Properties*, National Chemistry Conference, Edition XXXVI, , Calimanesti Caciulata, Romania *Oct. 2022*, poster presentation
3. **T. Fistos**, R.I. Matei (Brazdis), A. M. Baroi, I. Fierascu, R.C. Fierascu, T.V. Iordache S.V. Dolana, *Inovativ Material For The Consolidation, Conservation And Reinforce Of Underwater Wood Of Cultural Heritage*, NeXT-Chem: Innovative cross-sectoral technologies, Vth Edition, INCDCP-ICECHIM, Bucharest – ROMANIA, *May 2023*, oral presentation
4. **T. Fistos**, R.I. Matei (Brazdis), A. M. Baroi, I. Fierascu, R.C. Fierascu, T.V. Iordache S.V. Dolana, *Nanocomposite Material With Antimicrobial Effect For Preservation And Conservation Of Waterlogged Wood Cultural Heritage Objects* NeXT-Chem: Innovative cross-sectoral technologies, VIth Edition, INCDCP-ICECHIM, Bucharest ROMANIA, *May 2024*, oral presentation