

Short CV

Name	Zorba Triantafyllia
Position	Laboratory Teaching Staff, School of Physics, A.U.Th « Optical properties of solids and spectroscopy of solids»
Studies	BSc in Chemistry, A.U.Th. Ph. D. in Physics, Thesis Title: Study and characterization of new biodegradable polyesters, School of Physics, A.U.Th
Scientific expertise	1995-2014: Laboratory Technical Staff, FTIR lab, School of Physics, A.U.Th 2014- : Laboratory Teaching Staff, School of Physics, Solid State Physics Department, A.U.Th
Research activities	<p>RESEARCH PROJECTS</p> <p>> 20 (main duties: FTIR measurements and spectra analysis)</p> <p><i>Indicative research projects:</i></p> <ul style="list-style-type: none"> • 1995 -1997: EPET II, 1.1 " R&D of Environmental Friendly, High Performance Li-Ion Battery with Lithiated MnO₂ as the Cathode Material" • 1998 -2000: Greek-Bulgaria Joint Research and Technology Programmes "Identification of Byzantine Period Treasures - Icons: Influence of Byzantium on the Bulgarian Icon Technology". • 2000 - 2001: Project PENED #544# "Bioactive materials: Application in Dental Restoration" • 2002-2003: Greek-Serbian Joint Research and Technology Programmes "Identification of Byzantine Period Treasures –Icons and Frescos: Influence of Byzantine Technology on Yugoslavian Icons and Frescos". • 2003-2005: Greek-Rumanian Joint Research and Technology Programmes "The biological response and Interactions of Fibroblast Cell Lines to Dental Ceramics Modified by Bioactive Glass". • 2006-2009: Project PENED #03EΔ887# "Photosensitive amorphous materials as Raman amplifiers and optical data recording media". • 2014- 2016: ARISTEIA II (5105) titled "Dental Tissue Engineering using novel biomimetic scaffold materials in combination with stem cells of dental origin and low level laser irradiation (DentBioTisEng)". <p>PUBLICATIONS</p> <p>Peer Reviewed International Journals: 96 International Conferences: 42 Panhellenic and Balkan Conferences: >50 Citations: 1128 h-index : 18</p> <p>BOOKS</p> <p>Αναζητώντας τα «εσώτερα» της Βυζαντινής Εικόνας Α. Ρουσάκη, Τ. Ζορμπά, Κ.Μ. Παρασκευόπουλος. «Τεχνολογία και Πληροφορική στο χώρο του Πολιτισμού, Εφαρμογές στη Βυζαντινή Εικόνα» επιμέλεια Ν.Ε. Μυρίδης, Εκδόσεις Πανεπιστημίου Μακεδονίας (2013).</p>
Selected Publications	Tassis, D.H., Mitsas, C.L., Zorba, T.T., Dimitriadis, C.A., Valassiades, O., Siapkas, D.I., Angelakeris, M., Pouloupoulos, P., Flevaris, N.K., Kiriakidis, G. Infrared spectroscopic and electronic transport properties of polycrystalline semiconducting FeSi ₂ thin films (1996) <i>Journal of Applied Physics</i> , 80 (2), pp. 962-968

Ganitis, V., Pavlidou, E., Zorba, F., Paraskevopoulos, K.M., Bikiaris, D.

A post-Byzantine icon of St Nicholas painted on a leather support. Microanalysis and characterization of technique

(2004) *Journal of Cultural Heritage*, 5 (4), pp. 349-360.

Zorba, T., Chrissafis, K., Paraskevopoulos, K.M., Bikiaris, D.N.

Synthesis, characterization and thermal degradation mechanism of three poly(alkylene adipate)s: Comparative study

(2007) *Polymer Degradation and Stability*, 92 (2), pp. 222-230.

Zorba, T., Papadopoulou, E., Hatjiissaak, A., Paraskevopoulos, K.M., Chrissafis, K.

Urea-formaldehyde resins characterized by thermal analysis and FTIR method

(2008) *Journal of Thermal Analysis and Calorimetry*, 92 (1), pp. 29-33.

Chatzistavrou, X., Zorba, T., Kontonasaki, E., Chrissafis, K., Koidis, P., Paraskevopoulos, K.M.

Siarampi, E., Kontonasaki, E., Andrikopoulos, K.S., Kantiranis, N., Voyiatzis, G.A., Zorba, T.,

Paraskevopoulos, K.M., Koidis, P.

Effect of in vitro aging on the flexural strength and probability to fracture of Y-TZP zirconia ceramics for all-ceramic restorations

(2014) *Dental Materials*, 30 (12), pp. e306-e316.

Kazakou, T., Zorba, T., Vourlias, G., Pavlidou, E., Chrissafis, K.

Combined studies for the determination of the composition and the firing temperature of ancient and contemporary ceramic artefacts

(2019) *Thermochimica Acta*, 682, p.178412