

SAMPANI KYRIAKI

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Present Position

- PhD Candidate in Biomedical Technology – School of Electrical and Computer Engineering, National Technical University of Athens
- Member of the Biomedical Optics and Applied Biophysics Laboratory.

Education

- 2012 MSc in Microelectronics and Optoelectronics – Department of Physics, University of Crete.
- 2008 Degree in Physics - Department of Physics, University of Crete.

Research Interests

- Atomic Force Microscopy
- Nanobiotechnology
- Imaging Microscopy of Biomaterials
- Laser applications & Photocatalysis

Selected Publications

1. T.S.Drakakis, G.Papadakis, K.Sambani, G.Filippidis, S.Georgiou, E.Gizeli, C.Fotakis, M.Farsari, “Construction of 3D biomolecule structures employing femtosecond lasers”, *Applied Physics Letters*, 89, 144108, (2006).
2. M.Farsari, G.Filippidis, K.Sambani, T.Drakakis, C.Fotakis, “Two photon polymerization of an Eosin Y-sensitized acrylate composite”, *Journal of Photochemistry and Photobiology A: Chemistry*, 181, 132-135, (2006).
3. M.Farsari, G.Filippidis, T.S.Drakakis, K.Sambani, S.Georgiou, G.Papadakis, E.Gizeli, C.Fotakis, “3D biomolecule patterning”, *Applied Surface Science*, 253, 8115-8118, (2007).
4. C. Fotakis, V. Zorba, E. Stratakis, P. Tzanetakis, I. Zergioti, D. G. Papagoglou, K.Sambani, G. Filippidis, M. Farsari, P. Pouli, G. Bounos, S. Georgiou, “Novel Aspects of Materials Processing by Ultrafast Lasers”, *Journal of Physics*, 59, 266-272, (2007).
5. V.C.Papadimitriou, V.G.Stefanopoulos, M.N.Romanias, P.Papagiannakopoulos, K.Sambani, V.Tudose, G.Kiriakidis, “Determination of photocatalytic activity of undoped and Mn-doped TiO₂ anatase powders on acetaldehyde under UV and visible light”, *Thin Solid Films*, 520, 1195-1201, (2011).
6. V.D.Binas, K.Sambani, T.Maggos, A.Katsanaki, G.Kiriakidis, “Synthesis and photocatalytic activity of Mn-doped TiO₂ nanostructured powders under UV and Visible light”, *Applied Catalysis B: Environmental*, 113-114, 79-86, (2012).