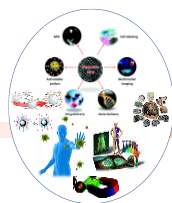


Training Workshop on Magnetic Nanohybrids for Cancer Therapy

Thessaloniki-Greece, April 07-09, 2022

Time Slots	Thursday 07.04	Friday 08.04	Saturday 09.04
09 ⁰⁰ -11 ⁰⁰		Properties <p>H. Sarafidis, Greece: Mossbauer Spectroscopy in Fe oxides.</p> <p>A. Semisalova, Germany: Ferromagnetic resonance study of magnetic nanoparticles for biomedical applications.</p> <p>D. Karfaridis, Greece: X-ray Photoelectron Spectroscopy: Principles and Application on Magnetic Nanomaterials.</p> <p>J. Kioseoglou, Greece: Tailoring magnetic exchange bias and Curie temperature in Ni-based nanoclusters.</p>	Lab courses <p>Hands on</p> <p>samples for biomedical applications</p> <p>Magnetic Particle Hyperthermia</p>
11 ⁰⁰ -11 ³⁰ Coffee Break			
11 ³⁰ -13 ³⁰	Arrivals Registration	Magnetic nanohybrids <p>F. Pinakidou, Greece: Magnetic nanostructure evaluation by X-Ray Absorption Spectroscopic techniques.</p> <p>N. Sisakyan, Armenia: Iron-Cementite Nanoparticles in Carbon Matrix: Synthesis, Structure and Magnetic Properties.</p> <p>N. Tetos, Germany: Magnetically-Actuated Cell Manipulation with "Nanoflower"-Shaped Magnetic Nanoparticles.</p> <p>N. Maniotis, Greece: Micromagnetic analysis as a way to evaluate physical properties of magnetic nanoparticles in magnetic hyperthermia application.</p> <p>H. Gyulasaryan, Armenia: Synthesis, Structure and Magnetic Properties of (Fe-Fe₃O₄)/C Core-Shell Nanoparticles.</p>	Excursion To Lake Kerkini 13:00-21:00
13 ³⁰ -15 ⁰⁰ Lunch Break			
15 ⁰⁰ -17 ⁰⁰	Materials <p>M. Angelakeris, Greece: Workshop Opening</p> <p>U. Wiedwald, Germany: From Physical Design to Medical Applications of Magnetic Nanoparticles for Cancer Therapy.</p> <p>S. Mourdikoudis, Czech Republic: Colloidal chemical routes for the synthesis of magnetic nanostructures destined for biomedical applications. What to choose?</p> <p>A. Elsukova, Sweden: More than an image: advanced electron microscopy methods for material characterization.</p> <p>Poster flash presentations (5 min/Poster)</p>	Perspectives <p>A. Asimopoulou, Greece: Magnetic nanostructures & natural products</p> <p>M. Efremova, Germany: A new approach to magnetic sensing and actuation of mammalian cells based on genetically encoded encapsulin proteins.</p> <p>K. Giannousi, Greece: Bio-applications of Metal-based Nanoparticles.</p> <p>K. Spyridopoulou, Greece: Preclinical study design considerations in cancer nanomedicine</p> <p>M. Angelakeris, Greece: Closing Remarks</p>	Lunches & coffee breaks take place at Poster Session Room where students may hang their posters (A0 size), present and discuss their results.
17 ⁰⁰ -17 ³⁰ Coffee Break			
17 ³⁰	Visit at Noesis, Workshop Dinner	MaNaCa Project Meeting	



Poster Presentations (Onsite & 5 min flash presentations)

P01	Synthesis and characterization of a novel multifunctional magnetic bioceramic nanocomposites <i>K. Kazeli, Greece</i>
P02	<i>K. Kazeli, Greece</i> Single-step solid state-pyrolysis of carbon-Fe₃C submicron spheres <i>E. Papadopoulou, Germany</i>
P03	Alternative protocols to optimize magnetic hyperthermia efficiency <i>A. R. Tsiapla, Greece</i>
P04	Synthesis of Fe-based magnetic nanoparticles by pyrolysis method <i>G. Chilingaryan and V. Avagyan, Armenia</i>
P05	Tuning synthesis of Fe₃O₄ nanoparticles: the role of surface charge on Cr(VI) uptake <i>K. Kalaitzidou, P. Asimakidou, Greece</i>
P06	
P07	
P08	
P09	
P10	