

CV MANTZANIS ASTERIOS

PERSONAL INFO	
Name/Surname	MANTZANIS ASTERIOS
Date of birth	05/02/1994
Address	ESOPOU 3, LARISA, 41336
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EDUCATION	
Bachelor of Science	<i>BSc in Physics</i> <i>School of Natural Sciences, Department of Physics, University of Ioannina, Greece</i> <i>Graduation date: 27/3/2018</i>
Master of Science	<i>MSc in Physics</i> <i>School of Natural Sciences, Department of Physics, University of Ioannina, Greece</i> Supervisor: Prof. Ioannis Deligiannakis Thesis: "Development of nanostructured zirconia [ZrO _{2-x}] with controlled lattice defects" <i>Lab of Physical Chemistry of Materials & Environment, Department of Physics, University of Ioannina, Greece</i> <i>Graduation date: 23/07/2020</i>
Foreign Languages	✓ <i>English: Michigan State University, (MSU) Certificate of Proficiency in English Level C2, 2009</i> ✓ <i>French: Diplôme d'études en langue française, B1, 2009</i>
RESEARCH/LABORATORY EXPERIENCE	
<p><u>Research Experience</u></p> <p>➤ <i>Flame Spray Pyrolysis (training level-expert):</i> Parametrization of operation conditions including Precursor/Dispersion ratios, combustion enthalpies. Production of typical metallic oxides with/without introduction of dopants with the SN (Single Nozzle) FSP and/or DN (Double Nozzle) FSP as well as with the ADN (Asymmetrical Double Nozzle) method. Further development of novel metallic oxide and/or metallic structures via the use of the AFSP (Anoxic Flame Spray Pyrolysis) method.</p> <p><u>Catalysis Technology:</u> ✓ Photocatalytic H₂, O₂ production and water splitting</p> <p><u>Materials Characterization Techniques</u></p> <p>➤ Electron Paramagnetic Resonance spectroscopy (EPR) ➤ Powder X-ray Diffraction (p-XRD) ➤ FT-IR spectroscopy ➤ Raman Spectroscopy ➤ Uv-Vis DRS Spectroscopy</p> <p><u>Analytical Techniques</u></p> <p>➤ GC-TCD</p>	
PROFESSIONAL EXPERIENCE	
<p>➤ <u>Internship at Jozef Stefan International Postgraduate School (27/09/2017-20/12/2018)</u> Department of Electroceramics (http://www-k5.ijs.si) Solid State Synthesis of BiFeO₃</p> <p>➤ <u>L'OREAL SA (1/11/2019-31/12/2019)</u> Comparing SC (Single Chamber) and DC (Double Chamber) R-FSP method</p>	