

Short CV

Name	Maria Katsikini
Personal web	users.auth.gr/katsiki
<i>Position</i>	Associate Professor, School of Physics, AUTH.
<i>Studies</i>	<ul style="list-style-type: none"> • PhD in Physics, School of Physics, AUTH in collaboration with the Hahn Meitner Institut Berlin (2000) • BSc in Physics, School of Physics, AUTH (1995)
<i>Scientific Expertise</i>	<ul style="list-style-type: none"> • Associate Professor, School of Physics, AUTH, 2016-today • Assistant Professor, School of Physics, AUTH, 2010-2016 • Lecturer, School of Physics, AUTH, 2004-2010 • Post Doctoral Fellow (Greek Scholarship Foundation-IKY), School of Physics, AUTH (11/2001-12/2002).
<i>Teaching</i>	<ul style="list-style-type: none"> • 4 undergraduate courses • 5 postgraduate courses
<i>Research Activities</i>	<ul style="list-style-type: none"> • 2 book chapters (Springer) • 92 publications in international peer-reviewed journals (764 hetero-citations, h-index=14 excluding self-citations) • 21 publications in conference proceedings of international conferences • Project leader of 12 research programs (1 Post Doctoral research program funded by IKY, 10 projects in Synchrotron Radiation Facilities, 1 IKYDA project). • Participation in 12 research programs • Editor of Summer School Proceedings (1) • Member of the Organizing Committee of 4 conferences, 1 summer school and 2 workshops • Referee in 24 international scientific journals • Member of the advisory committee of 5 PhD Theses (two are in progress - supervisor in 2). Supervisor of 15 MSc and BSc Theses • 16 invited talks • 23 and 17 participations in international and local conferences, respectively • L'Oreal – UNESCO award for “Women in Science” (greek program, 2007), 2 best-poster awards (in 1 local and 1 international conference), 1st award “Greece Innovates!” (responsible Assoc. Prof. of Chem. Eng. M. Mitrakas) <p>Research Interests: Materials characterization using Synchrotron Radiation mainly with X-ray absorption (XAFS), Fluorescence (XRF) and Photoelectron (XPS) spectroscopies, Small Angle X-ray scattering (SAXS) and Raman spectroscopy. Types of materials: semiconductors, glass and glass – ceramics, nanomaterials, solid biological samples, oxides for toxic element removal,</p>

	<p>palaeontological findings, biominerals.</p> <p>Scopus ID: 7004175625, ORCID ID: 0000-0002-8059-5539</p>
<i>Five most important publications</i>	<ol style="list-style-type: none"> 1. "Experimental determination of the N-p-partial density of states in the conduction band of GaN: Determination of the polytype fractions in mixed phase samples", M. Katsikini, E. C. Paloura, T. D. Moustakas, <i>Journal of Applied Physics</i> 83, 1437 (1998) 2. "Raman study of Mg, Si, O, and N implanted GaN", M. Katsikini, K. Papagelis, E. C. Paloura, S. Ves, <i>Journal of Applied Physics</i> 94, 4389 (2003) 3. "Tetravalent manganese feroxyhyte: A novel nanoadsorbent equally selective for As(III) and As(V) removal from drinking water", S. Tresintsi, K. Simeonidis, S. Estradé, C. Martinez-Boubeta, G. Vourlias, F. Pinakidou, M. Katsikini, E. C. Paloura, G. Stavropoulos, M. Mitrakas, <i>Environmental Science and Technology</i>, 47, 9699 (2013). 4. "Study of annealing induced devitrification of stabilized industrial waste glasses by means of micro-X-ray fluorescence mapping and absorption fine structure spectroscopy", F. Pinakidou, M. Katsikini, E. C. Paloura, P. Kavouras, Ph. Komninou, Th. Karakostas, A. Erko, <i>Journal of Non-Crystalline Solids</i> 351, 2474 (2005). 5. "Fe distribution and speciation in human nails", M. Katsikini, F. Pinakidou, E. Mavromati, E. C. Paloura, D. Gioulekas, D. Grolimund, <i>Nuclear Instruments and Methods B</i> 268, 420 (2010).