

## Short CV

<b>Name</b>	<b>Maria Katsikini</b>
Personal web	people.auth.gr/katsiki
Position	Professor, School of Physics, AUTH
Studies	<ul style="list-style-type: none"> <li>• PhD in Physics, School of Physics, AUTH in collaboration with the Hahn Meitner Institut Berlin (2000)</li> <li>• BSc in Physics, School of Physics, AUTH (1995)</li> </ul>
Scientific Expertise	<ul style="list-style-type: none"> <li>• Professor, School of Physics, AUTH, 2022-today</li> <li>• Associate Professor, School of Physics, AUTH, 2016-2022</li> <li>• Assistant Professor, School of Physics, AUTH, 2010-2016</li> <li>• Lecturer, School of Physics, AUTH, 2004-2010</li> <li>• Post Doctoral Fellow (Greek Scholarship Foundation-IKY), School of Physics, AUTH (11/2001-12/2002).</li> </ul>
<i>Teaching</i>	<ul style="list-style-type: none"> <li>• 2 postgraduate courses</li> <li>• 8 undergraduate courses</li> </ul>
Research Activities	<ul style="list-style-type: none"> <li>• 2 book chapters (Springer)</li> <li>• 97 publications in international peer-reviewed journals (1422 citations, h-index=18)</li> <li>• 22 publications in conference proceedings of international conferences</li> <li>• Editor of Summer School Proceedings (1)</li> <li>• Project leader of 12 research programs (1 Post Doctoral research program funded by IKY, 10 projects in Synchrotron Radiation Facilities, 1 IKYDA project).</li> <li>• Participation in 12 research programs</li> <li>• 5 conference and 2 Summer School organization (πρόεδρος, γραμματέας ή μέλος της οργανωτικής επιτροπής), 2 διοργανώσεις workshops (μέλος οργανωτικής επιτροπής)</li> <li>• Member of the Organizing Committee of 5 conferences, 2 Summer Schools (chair, secretary or member), 2 workshops (member)</li> <li>• Referee in 26 international scientific journals, of proposals submitted to Synchrotron Radiation Facilities and Italian and Swiss research projects</li> <li>• Supervision of 3 PhD Theses (2 are in progress). Member of Advisory Committees in 3 PhD These (1 is in progress). Supervisor of 31 MSc and BSc Theses</li> <li>• 18 invited talks</li> <li>• Presentations in 66 international (personal participation in 24) &amp; and 27 local (personal participation in 18) conferences</li> <li>• 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).</li> </ul>

	<p><b>Research Interests:</b> Study of materials 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, solid biological samples, oxides for toxic element removal, palaeontological findings, hard and soft tissues, biomolecules, biomineralization, nano-magnetic materials.</p> <p style="text-align: right;"><b>Scopus ID:</b> 7004175625, <b>ORCID ID:</b> 0000-0002-8059-5539</p>
Five most important publications	<ol style="list-style-type: none"> <li><b>1.</b> "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> <b>83</b>, 1437 (1998)</li> <li><b>2.</b> "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> <b>94</b>, 4389 (2003)</li> <li><b>3.</b> "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>, <b>47</b>, 9699 (2013).</li> <li><b>4.</b> "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> <b>351</b>, 2474 (2005).</li> <li><b>5.</b> "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> <b>268</b>, 420 (2010).</li> </ol>