

## Short CV

<b>Name</b>	<b>Arvanitidis Ioannis</b>
<b>Position</b>	Professor, Physics Department, Aristotle University of Thessaloniki <u>Discipline: Optics, Optical Properties and Spectroscopy of Solids</u> Director of the <i>Optics and Spectroscopy Laboratory</i> , Physics Department, AUTH Erasmus+ coordinator (Internship, International, Mundus)
<b>Studies</b>	1993 B.Sc., Physics Department, AUTH 1998 M.Sc. in <i>Physics of Materials</i> , Physics Department, AUTH 2001 Ph.D., Physics Department, AUTH
<b>Scientific Experience</b>	1997-1998 Postgraduate researcher, Quantum Optics Laboratory, Ecole Polytechnique (Paris, France) 2001-2003 Postdoctoral researcher, University of Sussex (Brighton, UK) 2003-2008 Postdoctoral researcher, Physics Division, School of Technology, AUTH (Thessaloniki, Greece) 2004, 2017, 2018 Visit. Assoc. Prof., IMR/AIMR, Tohoku University (Sendai, Japan) 2004-2005 Scientific Associate, Department of Applied Sciences, Technological Educational Institute of West Macedonia (Kozani, Greece) 2004-2008 Laboratory Associate, Dept. Applied Sciences, ATEITH (Sindos, Greece) 2008-2012 Assistant Professor, Department of Applied Sciences, ATEITH 2012-2017 Assistant Professor, Physics Department, AUTH 2017-2021 Associate Professor, Physics Department, AUTH 2020, 2022 Visiting Professor, Osaka Metropolitan University (OMU, Osaka, Japan) 2021-today Professor, Physics Department, AUTH
<b>Scientific Overview</b>	140 publications in international peer-reviewed journals 21 publications in books and conference proceedings 74 publications in the proceedings of Local Conferences 2179 citations, <i>h-index</i> : 25 Reviewer in 57 international peer-reviewed journals Guest Editor in a special issue of High Pressure Research (2013) 230 presentations at scientific conferences (4 invited talks, 9 conf. organizations) 15 invited seminars 23 participations in research projects (8 as the scientist in charge) Co-author of 6 text books in Physics Supervision of 6 PhD theses, 19 MSc theses and 17 BSc theses
<b>Six most important publications</b>	<ol style="list-style-type: none"> <li>1. <i>Temperature-induced valence transition and associated lattice collapse in samarium fulleride</i>, J. Arvanitidis, K. Papagelis, S. Margadonna et al., Nature <b>425</b>, 599 (2003). Citations: 163</li> <li>2. <i>Pressure screening in the interior of primary shells in double-wall carbon nanotubes</i>, J. Arvanitidis, D. Christofilos, K. Papagelis et al., Phys. Rev. B <b>71</b>, 125404 (2005). Citations: 66</li> <li>3. <i>Thermal conductivity enhancement in aqueous suspensions of carbon multi-walled and double-walled nanotubes in the presence of two different dispersants</i>, M.J. Assael, I. Metaxa, J. Arvanitidis et al., Int. J. Thermophys. <b>26</b>, 647 (2005). Citations: 287</li> <li>4. <i>Raman spectroscopy of graphene at high pressure: substrate and pressure transmitting media effects</i>, K. Filintoglou, N. Papadopoulos, J. Arvanitidis et al., Phys. Rev. B <b>88</b>, 045418 (2013). Citations: 59</li> <li>5. <i>Calculation of the degree of crystallinity of HDPE/GNPS nanocomposites by using various experimental techniques: a comparative study</i>, E. Tarani, I. Arvanitidis, D. Christofilos et al., J. Mater. Sci. <b>58</b>, 1621 (2023). Citations: 203</li> <li>6. <i>Survival of the metallic state in a single-hole multiband p-orbital molecular system</i>, K. Matsui, R.A. Klein, N. Yoshikane, J. Arvanitidis et al., Nature Commun., in print (2026).</li> </ol>