

## Short CV

<b>Name</b>	<b>Arvanitidis Ioannis</b>
<b>Position</b>	Associate Professor, Physics Department, Aristotle University of Thessaloniki <i>Optics, optical properties of solids and spectroscopy</i> Director of the Optics and Spectroscopy Laboratory, 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 Visiting Associate Professor, 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-today Associate Professor, Physics Department, AUTH Jan. 2020 Visiting Professor, Osaka Prefecture University (OPU, Osaka, Japan)
<b>Scientific Overview</b>	118 publications in refereed scientific journals 19 publications in books and conference proceedings 60 publications in the proceedings of Local Conferences >1450 citations Referee in 37 international scientific journals Guest Editor in a special issue of High Pressure Research (2013) 199 presentations in international and local conferences (3 invited) 12 invited seminars 22 participations in research projects (8 as the scientist in charge) Supervisor in 3 PhD theses, 12 MSc theses and 14 BSc theses Co-author of 6 text books in Physics
<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 (London) <b>425</b>, 599 (2003). Citations: 134</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., Physical Review B <b>71</b>, 125404 (2005). Citations: 55</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. Thermophysics <b>26</b>, 647 (2005). Citations: 232</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., Physical Review B <b>88</b>, 045418 (2013). Citations: 39</li> <li>5. <i>Raman study of the temperature-induced decomposition of the fullerene dimers C<sub>120</sub></i>, K. P. Meletov, J. Arvanitidis, D. Christofilos et al., Chemical Physics Letters <b>654</b>, 81 (2016). Citations: 5</li> <li>6. <i>Pressure-induced valence transition in the mixed-valence (Sm<sub>1/3</sub>Ca<sub>2/3</sub>)<sub>2.75</sub>C<sub>60</sub> fulleride</i>, N. Yoshikane, ..., J. Arvanitidis, and K. Prassides, Mater. Chem. Frontiers <b>4</b>, 3521 (2020).</li> </ol>