

PERSONAL INFORMATION **Konstantia MERGIA**

WORK EXPERIENCE

June 2015 - today	Research Director National Centre for Scientific Research "Demokritos", Athens, Greece
2007 - today	Scientific Responsible for the Hellenic Republic Association for the Materials Science Programme of the European Fusion Programme National Centre for Scientific Research "Demokritos", Athens, Greece
February 2003 – May 2015	Senior Researcher National Centre for Scientific Research "Demokritos", Athens, Greece
Sep 1998 – Jan 2003	Research Associate National Centre for Scientific Research "Demokritos", Athens, Greece
1997 - 2002	Research Associate Technological Educational Institute of Athens
1997 – 1998	Postdoctoral fellow University of Athens, Dept. of Physics

EDUCATION AND TRAINING

1992 - 1997	PhD in Solid State Physics University of Athens, Department of Physics, Greece
1986 - 1991	BSc in Physics University of Athens, Department of Physics, Greece

ADDITIONAL INFORMATION

Professional Interests	Radiation damage studies of fusion relevant materials, plasma facing materials and components, fusion functional materials, phase transformations and transport phenomena, ceramic-metal interactions, surface phenomena and oxidation, material engineering (porosity, internal stresses, oxidation barriers, materials joining) and magnetic materials (thin films, spin-glasses, and steels). Coordinator of the "NCSR Demokritos – Fusion Technology Group", 2008-today
Projects	EUROfusion, Horizon 2020, Scientific co-ordinator for NCSR Demokritos tasks in WP Materials - Integrated Radiation Effects Modelling and Experimental Validation – Irradiation studies of fusion model structural materials WP JET2 Plasma Facing Components – Surface analysis of W coated CFC tiles WP JET3 Technical Exploitation of DT Operation - Functional Material Damage Studies Fusion Emerging Technology & Fusion Technology under EFDA, 2008 – 2013 Scientific co-ordinator for NCSR Demokritos tasks for the physical, magnetic and structural properties of fusion relevant steels Fusion Energy Materials Science Coordination Action, (FEMaS-CA), EC, FP7, 2008-2011, Scientific Co-ordinator of the work-package "Neutron based techniques"
Memberships	National representative for Technology topics in the European Fusion Development Agreement Steering Committee (EFDA SC), 2008-2013 Technology Expert in the Euratom – Hellenic Republic Steering Committee, 2006 – 2008, 2011-2013
Publications and Patents	Main author and co-author of over 30 papers in peer review journals and conference proceedings over the last five years in the field of Fusion Energy relevant areas
Other Relevant Information	Referee in four fusion materials relevant journals of Elsevier and Wiley-VCH Verlag GmbH & Co