

Dr. Alfonso Policicchio is a researcher at the Physics Department of the University of Calabria. He took his Degree in Physics at University of Calabria in 2004 and subsequently he got his PhD in Physics in 2007. During this period, awarded with “Voucher Regione Calabria 2009” for the “Realization of high-intensive training programs for researchers from the university and Calabria public research centers”, he spent time at the Brookhaven National Laboratory, New York (USA) and few years later, in the 2009, at the Material Science & Engineering Department of the Georgia Institute of Technology - Atlanta (USA). Until 2017, he earned a postdoctoral fellowship at the Physics Department of University of Calabria where, at the same time, he was research and development manager for the DeltaE srl company. In 2018 he moved to New York (USA) where he was a research associate at the City College of New York working on nanostructured materials for hydrogen sulfide and carbon dioxide removal and storage. In the last ten years, his research was mainly devoted to synthesis and characterization of nanostructured advanced materials for energy application and storage. Particular interest was given to the use of innovative materials in the storage of gas (hydrogen, methane) for automotive application and/or carbon capture. To do that, time was also spent in the development and optimization of systems and procedures for production and testing of carbon-based nanostructured materials. His knowledge, ranging from chemical to physical through structural characterization techniques like surface electron spectroscopy, Raman spectroscopy, x-ray diffraction, differential and thermal gravimetric analysis, scanning electron microscopy, atomic force microscopy were very useful in several research projects he was involved. He has held the role of responsible of research activities in nationally and internationally funded projects, both in the academic and private sectors. He is author and Co-author for 45(+) publications in international peer-reviewed journals with almost 600 citations (h-index=14), conference proceedings and book chapters. He has supervised and co-supervised for 15(+) University students working on their PhDs and degrees. He is, since 2007, Professor and/or Adjunct Assistant Professor for several University courses. He is editor, associate editor and referee for several international scientific journals (i.e. Current smart materials, Current materials science, Applied science, International journal of hydrogen energy, Journal of energy storage, The journal of physical chemistry, Fuel, Carbon, Journal of Colloid and Interface Science, Journal of Nanoscience, Journal of Porous materials, Journal of Energy storage etc.).