Biography

Professor Mohammed Khenfouch, is a nanomaterials scientist and professional Physicist, originally from the North African country of Morocco, holds an undergraduate degree in solid-state physics, from the University Sidi Mohamed Ben Abdellah (USMBA) of Fez, Morocco. His keen interest led him to complete doctoral studies in Physics at the same university, which culminated in a Summa Cum Laude merit award for his novel research on optoelectronic applications. His interest in this field took flight during his MSc studies (Master in physics of materials and nanostructures) and has persisted till now, after he completed his PhD studies in July 2013, in the group of polymers and nanomaterials of the USMBA with a thesis titled: Elaboration and Physical and chemical studies of Graphene based nanocomposites for optoelectronic applications. His PhD study involved nanocomposites and devices for energy and optoelectronic applications inc. Solar cells, LEDs and Gas sensors. His active involvement in nanoscience research has helped him to gain a broad level of expertise and knowledge in materials science, especially in nanocharacterization and nanofabrication techniques with a deep practice in the fields of energy efficiency and nuclear waste management. In an attempt to take part in the fascinating nanoworld, and to contribute to its ambitious challenges, Mohammed undertook a postdoctoral position within the UNESCO-UNISA AFRICA Chair in Nanosciences and Nanotechnology at the College of science, engineering and technology of the University of South Africa. After two years, he worked in the department of physics of UNISA as a senior researcher and lecturer. During such period he has been a research visitor of world class teams and laboratories from many countries like Sweden, France, Spain, Canada, etc…

Now, he is a professor in the faculty of applied sciences of the university of Ibn Zohr in Morocco. His large international network allows Professor Mohammed Khenfouch to be involved in many national and international research projects and be an active member of many societies and networks.

Research Interest

Mohammed’s current research focus on the design, growth, and development of smart nanomaterials for optical and optoelectronic, energy conversion and water cleaning applications via a low cost and eco-friendly methods. His research interest is focused on multifunctional nanomaterials and nanocomposites, which represents the most common, most diverse, and probably the richest class of materials in terms of physical, chemical, and structural properties. The combinations of such variety of properties and applications with the unique effects of nanomaterials of low-dimensionality make the studies of these novel nanostructures a very important issue of research and development from both fundamental and industrial standpoints. Additionally, he has also developed strong entrepreneurial instincts, which have not only led to several awards, but have also guided his research to yield devices with commercial potential.