



## DR. SALEH KHAMLICH

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**H**olds a Doctor of Technology (D-Tech) degree from Tshwane University of Technology in collaboration with iThemba LABS-National Research Foundation in 2012. He serves as a lecturer and researcher at Cape Peninsula University of Technology, South Africa. He is focusing mainly on the development and design of new approaches and deep understand of the mechanisms involving inorganic and organic nanomaterials and hybrids 0D, 1D and 2D nanostructures and nanocomposites for various technological applications ranging from energy conversion and storage to optics and nanophotonics. He is also familiar with theoretical and computational materials science perspectives, molecular dynamics (MD) simulation with *ab-initio* quantum mechanical and molecular mechanical (QM/MM) methods to understand and predict new phenomena at an atomic level, in order to design advanced nanomaterials and thin films for the next-generation solar energy systems. During his recent research and development activities, he has produced in excess of 64 journal peer reviewed publications. He has served as a reviewer for prestigious journals. He founded the Nanoenergy for Sustainable Development in Africa (NESDAF) initiative, which is a program focused on promoting the sustainability of renewable energy ecosystems to ensure socio-economic development in Africa and involved in numerous national and international co-operation programs in nanotechnology focused on promoting sustainability of renewable energy ecosystems to ensure socio-economic development in Africa. His work and experience in nanoscience and nanotechnology allowed him to contribute to R&D in support of knowledge generation, capacity building in South Africa and other African countries. Currently Dr Saleh Khamlich is appointed Associate Professor , Applied Chemistry & Engineering Research Centre of Excellence, UM6P - Mohammed VI Polytechnic University