



**Dr. Mamadou Diallo**  
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Prof. Mamadou Diallo was trained both as an environmental/chemical engineer and physical chemist. His current research interests and activities focus on the use of advanced polymers (e.g. dendrimers, hyperbranched polymers, polymeric nanofibers and polymeric micro/nanoparticles) as building blocks for novel separation materials and systems for sustainable chemistry, engineering and materials (SusChEM) including water treatment, desalination and resource recovery. During the last 10 years, Prof. Diallo has been pioneering the applications of dendrimer nanotechnology to water purification while first serving as the Director of Molecular Environmental Technology of the Materials and Process Simulation at the California Institute of Technology. In December 2009, Prof. Diallo began a joint faculty appointment between the Korea Advanced Institute of Science and Technology (KAIST) and the California Institute of Technology (Caltech). At KAIST, Prof. Diallo serves as Associate Professor and Director of the Laboratory of Advanced Materials and Systems for Water Sustainability of the KAIST Graduate School of Energy, Environment, Water and Sustainability (EEWS). At Caltech, Prof. Diallo is a Visiting Faculty (Associate) in the Environmental Science and Engineering Department of the Division of Engineering and Applied Science. In addition to his professorial duties, Prof. Diallo also serves as Associate Editor of the Journal of Nanoparticle Research (JNR) and member of the Editorial Advisory Board (EAB) of *Environmental Science and Technology* (ES&T). In 2013, Prof. was appointed as a member of the Advisory Board (AB) of the Critical Materials Institute (CMI), a US DOE sponsored Energy Innovation Hub led by the Ames Laboratory.