Prof. Mamadou S. Diallo,  
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Prof. Mamadou Diallo was trained both as a chemical/environmental engineer and a physical chemist. During the last 5 years, Prof. Diallo and his students and collaborators at KAIST and Caltech have been pioneering the development of a new family of mixed matrix membranes with in-situ synthesized functional polymer particles. These new membranes can be tailored for a broad range of applications including 1) water purification and resource recovery; 2) catalysis for chemical manufacturing and 3) downstream bioprocessing for the production of protein therapeutics. In addition to his professorial duties, Prof. Diallo also serves as Associate Editor of the Journal of Nanoparticle Research and a member of the Editorial Advisory Board of Environmental Science and Technology. Prof. Diallo is also the co-founder and Chief Technology Officer of AquaNano, a Caltech spin off company focused on the development of high capacity, selective and multifunctional polymeric sorbents for water purification and environmental/industrial separations.