

Dr. Mohammed Ashraf Gondal is a Distinguished Professor at Physics Department, Coordinator of Laser Research Group at King Fahd University of Petroleum and Minerals (KFUPM), Senior Research Fellow of K. A. CARE and Visiting World Class Professor (MOE Indonesia). He received the PhD degree in Applied Physics from University of Bonn (Germany) in 1983. He worked on many collaborative research projects with scientists from world renowned universities including MIT, Free University Berlin, Heidelberg University Germany, Nanjing University China and NUS Singapore. His research interests are in the areas of nanotechnology, photonics, quantum optics, materials science energy harvesting (third generation solar cells), energy storage (super capacitors), applied/chemical physics, sensors, laser remote sensing (LIDAR), environmental pollution monitoring, development of laser based analytical techniques (PAS, LIBS, LEI), wetting & non wetting surfaces for oil water separation & self-cleaning applications, synthesis of nano-composites and quantum dots using novel Pulsed Laser Ablation in Liquids Technique (PLAL) as well wet chemical methods and their novel applications in corrosion inhibition, petrochemicals, photo-catalysis for production of high value hydrocarbons (CO₂ utilization) & hydrogen production by water splitting, removal of organic pollutants as well water disinfection of bacteria and pathogens. In addition to cutting edge applied research, he is working on design and fabrication of lasers as well laser induced atomic and molecular spectroscopy as a fundamental research for understanding of dynamics of atoms and molecules. Dr. Gondal has published over 550 research papers in international journals & conferences, a book as well many book chapters, 30 US patents, H-index 50, over 9360 citations. He is a member of numerous international journal's editorial boards and winner of many national and international awards including prestigious Al-Marai Scientific Innovation Prize.