

Prof. Sina R. Gomari completed his MSc in Petroleum Engineering in 2003 from NTNU, Norway followed by his PhD at the University of Stavanger in 2006. He has gained 12 years of industrial experiences with the National Iranian Oil Company, and Statoil ASA (Equinor) before joining Teesside University as Senior Lecturer in Energy and Environmental Engineering. From the time he has joined academia, he established his Energy lab where it has been used by several PhD, and MSc students to complete their research on advanced oil recovery, CCUS, Hydrogen storage and porous media subjects. He has been as director of studies for several PhD students, published several high impact factor journal papers, and has acted as assessor for several PhD and MSc thesis. He has awarded a fund from Royal Academy of Engineering (RAE) in 2016 to collaborate with Brazilian institutes on the subject of novel techniques on wettability quantification of challenging oil and gas reservoirs. Also, He has received funding from Qatar Foundation for application of Machine Learning in leak detection during underground CO₂ storage. Recently he has established a collaboration between TU and Scott Bros ltd in Teesside region to fight climate change by making artificial soil to enhance natural CO₂ capture from the air. His concern about environmental protection in oil and gas industry led him to propose several projects on wastewater treatments and management, CO₂ capture and reuse as well as application of biomaterials. Currently he is chartered engineer of Energy Institute, Editor for several scientific journals, member of SPE and EAGE associations, and course leader for MSc Petroleum Engineering at Teesside University