

Dr. Fares Almomani

Professor

Department of Chemical Engineering

Qatar University

Dr. Fares Almomani is a distinguished academic and researcher, currently serving as a Professor in the Department of Chemical Engineering at Qatar University. He received his Ph.D. in Chemical and Environmental Engineering from Barcelona University, Spain, in 2003. With a rich educational background, including an MSc in Chemical Engineering also from Barcelona University, and a BSc in Chemical Engineering from Jordan University of Science and Technology, Jordan, Dr. Almomani brings a wealth of expertise to his field.

Dr. Almomani's academic journey has been marked by significant contributions to the field of chemical engineering. He embarked on his career as a Teaching and Research Assistant at the Department of Chemical Engineering, University of Barcelona, Spain, from 1999 to 2003. His research interests encompass a diverse range of topics, including water and wastewater treatment, advanced oxidation technologies, biofilm functionality in wastewater treatment plants, solar applications in water and wastewater treatments, nano-materials and catalysis in water and energy production, and the application of nanoparticles and nanomaterial in developing innovative electro-oxidation systems for water and wastewater treatment.

Following his Ph.D., Dr. Almomani furthered his research as a Postdoctoral Fellow at the Department of Civil and Environmental Engineering, University of Alberta, Canada, from 2003 to 2004. He then served as an Assistant and Associate Professor at Mutah University, Jordan, from 2004 to 2011, before moving to Canada, where he worked at the University of Ottawa and Carleton University. His international experiences also include a role as a Visiting Professor at the Department of Chemical Engineering, University of Ottawa, Ottawa, Ontario, Canada.

In 2014, Dr. Almomani joined Qatar University as an Associate Professor and later became a full Professor in the Department of Chemical Engineering. Throughout his career, he has demonstrated an unwavering commitment to advancing knowledge in his field. His research endeavors have ranged from understanding the fundamental functionality of biofilms in wastewater treatment to the synthesis of novel undoped and doped metal oxide nanoparticles for solar thermochemical fuel production.

Dr. Almomani's dedication to teaching and research is reflected in his varied roles, from Contract Instructor at Carleton University, Ottawa, to his current position as a Professor at Qatar University. His expertise in water and wastewater treatment, coupled with his innovative research in solar applications and nanotechnology, makes him a leading authority in the field of chemical engineering.