جامعة الملك فهد للبترول والمعادن
King Fahd University of Petroleum & Minerals

Center	**IRC-Membranes and Water Security**
Job Title	**Post-Doctoral Fellow**
Job Description	The Postdoctoral Researcher will join the Interdisciplinary Research Center for Membranes and Water Security (IRC-MWS) at King Fahd University of Petroleum & Minerals (KFUPM) to advance innovative research in sustainable water treatment, membrane science and water security. The successful candidate will work on projects focused on water treatment, desalination, water security. The role involves designing and executing experimental and/or simulation-based studies, publishing in high-impact journals, and contributing to the center's goal of providing practical and scalable solutions for water security challenges. This position offers a unique opportunity to collaborate with a multidisciplinary team and contribute to nationally and internationally significant research efforts in water sustainability.
Job Responsibility	The selected postdoctoral researcher will be expected to: 1. Conduct original research in one or more of the center's focus areas, 2. Prepare high-quality scientific publications, reports, and presentations for international conferences and peer-reviewed journals. 3. Collaborate with multidisciplinary research teams within the center, KFUPM, and external partners. 4. Support proposal writing and contribute to securing research funding. 5. Mentor students, providing guidance on experimental design and scientific writing. 6. Ensure lab safety and compliance with environmental and institutional regulations.
Qualification	1. A Ph.D. degree in Engineering, Chemistry, Materials Science, Geology, Economics, or any related field. 2. Strong academic background and research skills. 3. Proven ability to work independently and collaboratively within interdisciplinary teams. 4. Previous experience in one of the following areas: a. Membrane fabrication and characterization b. Electrodialysis and electro-driven separation processes c. Resource recovery from brine and saline streams d. Wastewater treatment and reuse technologies e. Modeling and simulation f. Water security