

Sadia KHAN

Home Country	Pakistan
Degree	PhD in Civil and Environmental Engineering
Expertise	Environmental Microbiology
Research Focus	Civil and Environmental Engineering
Host University	University of Strathclyde, Glasgow, United Kingdom
Fellowship Awarded	2013

Sadia Khan was born, lived, and was educated in Karachi, Pakistan. She and her three brothers and one sister are all well-educated and have advanced qualifications. She achieved A-One Grade in her Secondary School Certificate Examination (SSC) in Science and A-Grade, First Division in her Higher Secondary Certificate (HSC) in Premedical.

Sadia attended the University of Karachi where she gained a BSc in Microbiology First Class Second Position and then an MSc in Microbiology with First Class First Position. Then, in 2010, she achieved an MPhil from the Dr. Punjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi.

The PhD research relates to water borne illnesses, their distribution, and control with respect to the quality of water. The supply of safe drinking water to the population of Pakistan is a major challenge. The majority of its people have no access to clean drinking water and the situation has been worsened in recent years due to floods that have destroyed or severely contaminated drinking water resources. Sadia's research covers the fields of microbiology and environmental engineering and her main focus is water quality management, which is a particular problem in developing countries with increasing populations. The aim is to provide safe drinking water to the poor population of Pakistan at the cheapest cost.

After completing her PhD, Sadia will join the Department of Environmental Engineering at the NED University of Engineering and Technology in Karachi, where she hopes to apply her new knowledge and skills for the improvement of her country.