



Rida-e ZENAB

Home Country: Pakistan

Degree: Postdoctoral in Mathematics

Expertise: Algebraic Semigroups

Research Focus: Pure Mathematics

Host University: University of York,
United Kingdom

Fellowship Awarded: 2016

Rida-e Zenab was born and raised in in Khal, a small farming village in Northern Punjab, Pakistan. Along with her sister and two brothers, she had to walk a 5 km round trip every day for 10 years to attend the nearest school. She completed her secondary education in a nearby city and then studied towards an Intermediate of Computer Sciences (ICS) qualification in Mathematics, Computer Science and Economics.

Rida-e attended the University of Punjab, Lahore, Pakistan, where in 2004 she obtained a BSc in Mathematics. In 2006 she received an MSc, also in Mathematics, from the University of Gujrat, Pakistan. Following this she completed an MPhil in Mathematics at Quaid-i-Azam University, Islamabad, where she was awarded a merit scholarship for her performance in all four semesters. In 2011, Rida-e received a Faculty for the Future Fellowship Award that enabled her to study at the University of York, United Kingdom, towards a PhD in Mathematics, which she completed in 2014. During her studies in York she worked as a teaching assistant, and on her return to Pakistan became an Assistant Professor at Quaid-i-Azam University. Since January 2016 she has been an Assistant Professor at the Sukkur Institute of Business Administration (Sukkur IBA), Sukkur, Pakistan.

Rida-e has specialized in the theory of algebraic semigroups. A semigroup is an algebraic structure consisting of a set together with an associative binary operation. They are used in many mathematical areas other than algebra, including theoretical computer science, category theory, analysis and number theory, and are being studied by mathematicians around the world.

After finishing her postdoctoral studies, Rida-e plans to return to her faculty position at Sukkur IBA, where she hopes to establish a research group and introduce her field of expertise to mathematicians in her home country. She also intends to continue her work to encourage young girls to study mathematical sciences.