### Muhammad Riaz, PhD

**Professor of Chemistry(Tenured)** Al-Farabi Research Complex SA-Center of Interdisciplinary Research in Basic Sciences, Faculty of basic and Applied Sciences International Islamic University, Islamabad Email:mriaz1786@yahoo.com

#### Specialization & Expertise:

Medicinal Chemistry (USA) Total Synthesis (Germany) Natural Products Chemistry (HEJ Pakistan)

# FDUCATION AND TRAINING



INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Virginia Commonwealth University, Richmond, VA, USA	Post-doctorate	April 2003 – April 2004	Medicinal Chemistry
University of Paderborn, Germany	Post-doctorate	July 2001 – March 2003	Synthetic Chemistry (Total Synthesis)
H. E. J. Research Institute of Chemistry, University of Karachi, Pakistan	Ph.D.	May 1998 – June 2001	Organic Chemistry (Nat. Products)
Gomal University, Pakistan	M.Sc. (Goldalist)	1994 – 1997	Organic Chemistry

### ACADEMIC POSITIONS

Feb. 1, 2019 – Present:

Tenured Professor of Chemistry (Organic & Medicinal), Al-Farabi Research Complex, SA-Center of Interdisciplinary Research in Basic Sciences, Faculty of Basic and Applied Sciences, International Islamic University, Islamabad

Jan. 2017 – Jan. 2019:

Tenured Professor of Chemistry (Organic & Medicinal), Depart. of Chemistry, University of AJK.

Jan. 2013 - Jan. 2017:

Associate Professor of Chemistry-TTS (Organic & Medicinal), Depart. of Chemistry, University of AJK. Sep. 2010 – Dec. 2012:

Associate Professor of Chemistry (Organic & Medicinal), NCVI - NUST, Islamabad, Pakistan

Aug. 2008 - Aug 2010:

Associate Professor (Organic & Medicinal), COMSATS-IIT, Abbottabad, Pakistan August 2007 – Aug 2008:

Assistant Professor of Chemistry, Virginia State University, Petersburg, VA, USA May 2004 – August 2007:

Research Assistant Professor, Virginia Commonwealth University, Richmond, VA, USA

## **RESEARCH INTEREST AND GOALS**

Utilize principles, tools, methodologies and diverse wealth of medicinal chemistry, organic synthesis and natural product chemistry to contribute to the understanding and solving the biological problems together with global community of scientists and importantly contribute to the development of pharmaceutical products. Currently the main focuses are to contribute to:

**A).** Developing effective, safer and economical anticoagulants using medicinal chemistry.

- **B**).Exploring novel anticancer skeletons from the rich wealth of natural curative herbs (using interdisciplinary medicinal chemistry, natural product chemistry and organic synthesis).
- **C).** Syntheses and study of designed hybride mimics to develop more effective, safer and cost effective antibiotics with better tolerance to evolving bacterial resistance.