

Name

Dr. Rahim Shah (Assistant Professor)
HEC Approved Supervisor
Department of Mathematics, Kohsar
University Murree, Punjab, Pakistan.



Nationality

Pakistani

Date of Birth

2nd September, 1987

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Education

2015-2018

Ph.D.: Department of
Mathematics, University of
Peshawar, Peshawar, Khyber
Pakhtunkhwa, Pakistan.

Ph.D. in Area and Thesis Title:

Functional Analysis, Fixed Point
Theory and Applications

Thesis Title: Fixed Point Theorems for Various Spaces
and Their Applications.

2011-2014

M. Phil.: Department of
Mathematics, University of
Peshawar, Peshawar, Khyber
Pakhtunkhwa, Pakistan.

2006-2008

M.Sc.: Department of
Mathematics, University of
Science & Technology Bannu,
Khyber Pakhtunkhwa, Pakistan.

2004-2006

B.Sc.: Department of
Mathematics, Gomal University,
D.I.K, Khyber Pakhtunkhwa,
Pakistan.

2002-2004

F.SC.: Board of Intermediate and
secondary Education, Bannu,
Khyber Pakhtunkhwa, Pakistan.

2000-2002

SSC.: Board of Intermediate and
secondary Education, Bannu,
Khyber Pakhtunkhwa, Pakistan.

Research Field and Interests

- Fixed Point Theory and Applications
- Analysis
- Functional Analysis
- Applied Mathematics

Administrative Responsibility: Head Department of Mathematics, Kohsar University Murree, Punjab, Pakistan.

Post PhD Teaching/Research Experience:

April 2022-Present **Assistant Professor (BPS-19)**, Department of Mathematics, Kohsar University Murree, Punjab, Pakistan.

October 2020-July 2021 **Assistant Professor (Visiting)**, Department of Mathematics and Statistics, PMAS Arid Agriculture University, Rawalpindi, Pakistan.

July 2019 - July 2020 **Assistant Professor (TTS under HEC-IPFP)**, Department of Mathematics and Statistics, PMAS Arid Agriculture University, Rawalpindi, Pakistan.

October 2018-July 2019 **Assistant Professor**, Department of Physical & Numerical Sciences, Qurtuba University of Science & IT, Peshawar, Pakistan.

MPhil Produced: Total MPhils Produced: Three (3)

MPhil Supervised: Total MPhils Supervised (Co-supervised): Ten (10)

Publications

1. Akbar Zada, Omer Shah, Rahim Shah: Hyers–Ulam stability of non-autonomous systems in terms of boundedness of Cauchy problems, Applied Mathematics and Computation, Vol. 271 (2015), pp. 512-518.
2. Akbar Zada, Rahim Shah and Tongxing Li: Integral type contraction and coupled coincidence fixed point theorems for two pairs in G-metric spaces. Hacettepe Journal of Mathematics and Statistics, Vol. 45 (5) (2016), pp. 1475-1484.
3. Rahim Shah, Akbar Zada: A fixed point approach to the stability of a nonlinear Volterra integrodifferential equation with delay. Hacettepe Journal of Mathematics and Statistics, Vol. 47(3) (2018), pp. 615-623.
4. Peiguang Wang, Akbar Zada, Rahim Shah, Tongxing Li: Some common fixed point results for two pairs of self-maps in dislocated metric spaces. J. Computational analysis and applications. Vol. 25 (8) (2018), pp. 1410-1424.
5. Rahim Shah, Tongxing Li: The thermal and laminar boundary layer flow over

prolate and oblate spheroids. *International Journal of Heat and Mass Transfer*, Vol. 121 (2018), pp. 607-619.

6. Shizheng Li, Akbar Zada, Rahim Shah, Tongxing Li: Fixed point theorems in dislocated quasi-metric spaces. *Journal of Nonlinear Sciences and Applications*, Vol. 10 (2017), pp. 4695-4703.
7. Dhaou Lassoued, Rahim Shah, Tongxing Li: Almost periodic and asymptotically almost periodic functions: part I. *Advances in Difference Equations*. (2018) 2018:47.
8. Rahim Shah, Akbar Zada, Tongxing Li: New common coupled fixed point results of integral type contraction in generalized metric spaces. *J. Anal. Num. Theory*. Vol. 4 (2) (2016), pp. 145-152.
9. Rahim Shah, Akbar Zada and Ishfaq Khan: Some fixed point theorems of integral type contraction in Cone b-metric spaces. *Turkish J. Anal. Number Theory*, Vol. 3 (6) (2015), pp. 165-169.
10. Akbar Zada, Rahim Shah, Tongxing Li: Fixed point theorems in ordered Cone b-metric spaces. *Scientific Studies and Research Series Mathematics and Informatics*, Vol. 26 (1) (2016), pp. 109-120.
11. Akbar Zada, Rahim Shah, Shahid Saifulallah: Some fixed-point theorems in multiplicative Cone b-metric spaces. *J. Anal. Num. Theory*, Vol. 5(1) (2017), pp. 35-39.
12. Rahim Shah, Akbar Zada: Coupled fixed point theorems involving contractive condition of integral type in generalized metric spaces. *J. Linear Topol. Algebra*, Vol. 6(1) (2017), pp. 45-53.
13. Rahim Shah, Akbar Zada: Fixed point theorems for expansive mappings in G-metric spaces. *Turkish J. Anal. Num. Theory*, Vol. 5(2), (2017), pp. 57-62.
14. Rahim Shah, Akbar Zada: Some fixed point and common fixed point theorems in generalized D^* -metric spaces. *Sohag J. Math.*, Vol.3 (3), (2016), pp. 97-104.
15. Rahim Shah, Akbar Zada: Some common fixed point theorems of compatible maps with integral type contraction in G-metric spaces. *Proceedings of IAM*. Vol. 5(1), (2016), pp. 64-74.
16. Rahim Shah, Akbar Zada: Hyers—Ulam—Rassias stability of impulsive Volterra integral equation via a fixed point approach. *J. Linear Topol. Algebra*, Vol.8 (4), (2019), pp. 219-227.
17. Rahim Shah, Hasanen A. Hammad: The laminar boundary layer over a rotating paraboloid. *Information Sciences Letters*, Vol. 9(3), (2020), pp. 199-204.
18. Rahim Shah: Some new fixed point results in b-metric-like spaces. *Palestine Journal of Mathematics*, Vol. 11(1), (2021), pp. 378-384.

References:

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