

Dr. Rohit Kumar

Assistant Professor (Contractual)
Department of Mathematics, D. S. B. Campus
Kumaun University, Nainital-263002
PHONE: +91 8755128147
EMAIL ID: rohitk0351@gmail.com



RESEARCH INTERESTS

Fixed Point Theory, Nonlinear Analysis

EDUCATION

- 2022: Ph. D., Mathematics, Kumaun University, Nainital.
Thesis Title: Fixed Point Theorems and their Applications.
- 2017: M. Sc., Mathematics, Kumaun University, Nainital.
- 2014: B. Sc., Kumaun University, Nainital.

SCHOLARSHIP/AWARDS

- 2018: Gold Medal Award for Rank-1 in M. Sc. Mathematics, Kumaun University, Nainital

PUBLICATIONS

1. **R. Kumar**, N. Chandra, N. Garakoti, Mahesh C. Joshi, Some results on non-expansive type mappings, *Appl. Math. E-Notes*, 22 (2022), 287-298.
 2. **R. Kumar**, N. Garakoti, Mahesh C. Joshi, Fixed Point Theorems for Asymptotically Regular Maps in Partial Metric Space, Nova Science Publishers, Inc. (USA), (2021), 171-184 [ISBN:978-1-53619-336-7].
 3. N. Garakoti, Mahesh C. Joshi, **R. Kumar**, Fixed Point for $F\perp$ - Weak Contraction, *Mathematica Moravica*, 25(1) (2021), 113-122.
 4. N. Garakoti, Mahesh C. Joshi, **R. Kumar**, An Iterative Algorithm for Weak Contraction Mappings, Nova Science Publishers, Inc. (USA), (2021), 217-234[ISBN:978-1-53619-336-7].
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CONFERENCES /WORKSHOPS

- 30-31 MAY, 2022: A Workshop on Analysis, Department of Mathematics, D. S. B. Campus, Kumaun University, Nainital.
"Some Results on Partial Metric Space"
- 20-22 DEC, 2020: International e-Conference on History of Mathematics, Indian Society for History of Mathematics (ISHM-2020).
"A Concept of Metric and its Generalizations: A Brief History"
- 15-19 SEP, 2020: One Week International E-Faculty Development Programme on "fixed point theory and its applications", Department of Mathematics and Statistic, Manipul University Jaipur.
- 27 JUN, 2020: International e-conference on Fixed Point Theory and its Applications to Real World Problems, Department of Mathematics, Government Post Graduate College Maldevta, Raipur, Dehradun.
"Fixed Point Theorems for Asymptotically Regular Maps in Partial Metric Space"
- 20-22 DEC, 2019: International Conference on Recent Advances in Algebra, Analysis & Applications (ICRAAAA-2019), Department of Mathematics and Statistics, University College of Science, Mohanlal Sukhadia University, Udaipur, Rajasthan.
"A Review on ν -Generalized Metric Space"
- 17-19 DEC, 2019: International Conference on History and Recent Development in Mathematics, with applications in Science and Technology (ICHDMAST-2019), Madhuben & Bhanubhai Patel Institute of Technology, New V. V. Nagar, Gujarat.
"A Survey on ν -Generalized Metric Space"
- 16-20 SEP, 2019: Traditional and Modern Optimization Techniques (TAMOT), B. T. Kumaon Institute of Technology, Dwarahat-263653, Almora (Uttarakhand).
- 15-17 MAR, 2019: International Workshop on Fixed Point Theory and its Applications (IWFPTA-2019), Department of Mathematics Jamia Millia Islamia, New Delhi-110025, India.
- 13-14 OCT, 2018: 9th Conference of Indian Science Congress Association, Department of Biological Science, CBS & H, G. B. Pant University of Agriculture and Technology, Pantnagar.