

Dr. Bharti Joshi

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RESEARCH INTERESTS

Fixed Point Theory, Nonlinear Analysis

EDUCATION

- 2019: Ph. D., Mathematics, Kumaun University, Nainital.
Thesis Title: Some Results on Fixed Points and Dynamics of Functions.
- 2014: M. Sc., Mathematics, Kumaun University, Nainital.
- 2012: B. Sc., Kumaun University, Nainital.

EXPERIENCE

2 SEP, 2019 - 7 FEB, 2020: Assistant Professor, Department of Allied Science, Graphic Era Hill University, Bhimtal Campus.

MEMBERSHIPS

Bharata Ganita Parisad

PUBLICATIONS

1. N. Chandra, **Bharti Joshi**, Mahesh C. Joshi, Generalized fixed point theorems on metric spaces, *Mathematica Moravica*, 26(2) (2022), 85-101.
2. **Bharti Joshi**, Ravindra K. Bisht, Fixed point theorems for hybrid multi-valued mappings without using the Pompeiu-Hausdorff distance, *The Journal of Analysis*, 30 (2022), 433-449.
3. N. Chandra, **Bharti Joshi**, M. C. Arya, Mahesh C. Joshi, A common fixed point theorem for weakly compatible mappings, *Jñānābha*, 51(2) (2021), 274-280.
4. **Bharti Joshi**, Durgesh Pant, S. K. Padaliya, Govind Pathak, On the problem of discontinuity at fixed point, *Filomat*, 34(11) (2020), 3855-3860.

5. **Bharti Joshi**, Manish Chandra Singh, Anita Kumari, N. K. Pandey, Fixed point results and weak orbital continuity, *Ganita*, 70(2) (2020), 273-279.
6. **Bharti Joshi**, Orbital continuity and common fixed point theorems, *Ganita*, 70(1) (2020), 75-84.
7. Anita Tomar, Meena Joshi, S. K. Padaliya, **Bharti Joshi**, Akhilesh Diwedi, Fixed point under set-valued relation-theoretic nonlinear contractions and applications, *Filomat*, 33(14) (2019), 4655-4664.
8. **Bharti Joshi**, S. K. Padaliya, and N. K. Pandey, Some common fixed point theorems for contractive maps and applications, *Filomat*, 32(10) (2018), 3751-3758.

CONFERENCES /WORKSHOPS

- 22-23 DEC, 2022: National Conference of Mathematics and its Applications in Science (NCMAS 2022), Department of Mathematics, Uttarakhand Open University, Haldwani.
"Continuity and Fixed Point Theorems"
- 25-29 NOV, 2019: Faculty Development Workshop on Computing with words via Fuzzy Logic with Application at Graphic Era Hill University, Bhimtal Campus, Uttarakhand.
- 17-18 MAR, 2019: National Conference on Advances in Mathematics and its Applications, Department of Mathematics, M. B. Govt. P. G. College, Haldwani, Nainital.
"A Survey of Various Continuity Conditions and Common Fixed Point Theorems"
- 14-15 OCT, 2017: 8th National Conference of the Indian Science Congress Association (Haridwar Chapter), Department of Mathematics and computer science, D.S.B. Campus, Kumaun University, Nainital.
"Common Fixed Point Theorem for Orbitally Continuous Maps"
- 17-19 OCT, 2016: 19th International Conference of International Academy of Physical Sciences & Symposium on Fixed Point Theory and Dynamical Systems, Department of Mathematics and Department of Computer Science, D.S.B. Campus, Kumaun University, Nainital.
"A Survey of Various Commuting Conditions"