

## Kumaun University, Nainital Curriculum Vitae

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Name : Dr. Bharti Joshi  
Designation : Assistant Professor (Guest Faculty)  
Department : Mathematics  
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• Email Address : bhartijoshi20592@gmail.com  
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### Educational Qualification

Degree	University	Subjects	Year
B. Sc.	Kumaun University, Nainital	Physics, Chemistry, Mathematics	2012
M. Sc.	Kumaun University, Nainital	Mathematics	2014
Ph. D.	Kumaun University, Nainital	Mathematics	2019

### Work Experience

Position	Department	University/Organization	Year
Assistant Professor	Allied Science	Graphic Era Hill University, Bhimtal Campus, Uttarakhand	2019-2020
Assistant Professor (Guest Faculty)	Mathematics	Kumaun University, Nainital, Uttarakhand	2021-present

### Administrative Responsibilities

Position	Nature of responsibility	University/Organization	Year
Assistant Superintendent of Exam, Noon Session	Exam Control Room	D. S. B. Campus, Nainital	2023, 2024

### Research Interests

Fixed Point Theory, Nonlinear Analysis

### Publications

a) Research Papers

Authors name	Title of the paper	Journal, vol, page no	Year
Neha Pauriyal, <b>Bharti Joshi</b>	Approximative K- frames	Journal of Advanced Mathematical Studies	17(1), 2024, 61-71.
R. P. Pant, Nihal	On the geometry of	Hacettepe Journal of	53(1), 2024, 155-170.

Özgür, <b>Bharti Joshi</b> , Mangey Ram	fixed points and discontinuity	Mathematics and Statistics	
Kuldeep Joshi, Mahesh C. Joshi, <b>Bharti Joshi</b>	b-metric space, dislocated b-metric space and Geraghty type Contractions	Journal of Advanced Mathematical Studies	16(4), 2023, 446-458.
N. Chandra, <b>Bharti Joshi</b> , Mahesh C. Joshi	Generalized fixed point theorems on metric spaces	Mathematica Moravica	26(2), 2022, 85-101.
<b>Bharti Joshi</b> , Ravindra K. Bisht	Fixed point theorems for hybrid multi-valued mappings without using the Pompeiu–Hausdorff distance	Journal of the Analysis	30, 2022, 433-449.
N. Chandra, <b>Bharti Joshi</b> , M. C. Arya, Mahesh C. Joshi	A common fixed point theorem for weakly compatible mappings	Jnanabha	51(2), 2021, 274-280.
<b>Bharti Joshi</b> , Durgesh Pant, S. K. Padaliya, Govind Pathak	On the problem of discontinuity at fixed point	Filomat	34(11), 2020, 3855-3860.
<b>Bharti Joshi</b> , Manish Chandra Singh, Anita Kumari, N. K. Pandey	Fixed point results and weak orbital continuity	Ganita	70(2), 2020, 273-279.
<b>Bharti Joshi</b>	Orbital continuity and common fixed point theorems	Ganita	70(1), 2020, 75-84.
Anita Tomar, Meena Joshi, S. K. Padaliya, <b>Bharti Joshi</b> , Akhilesh Diwedi	Fixed point under set-valued relation-theoretic nonlinear contractions and applications	Filomat	33(14), 2019, 4655-4664.
<b>Bharti Joshi</b> , S. K. Padaliya, N. K. Pandey	Some common fixed point theorems for contractive maps and applications	Filomat	32(10), 2018, 3751-3758.

b) Patents (start from recent publications) : **None**

c) Books (start from recent publications) : **None**

d) Book chapters (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year
N. Chandra, Mahesh C. Joshi, <b>Bharti Joshi</b> , and Narendra K. Singh	Coincidence point theorems for non-expansive type mappings and an application to dynamic programming Chapter 6 in: Fixed Point Theory and its Applications to Real World Problem	Nova Science Publishers, Inc. (USA)	978-1- 53619-336-7	(2021), 85-100.

e) Conference Publications/Proceedings: **NA**

**Projects : None**

**Teaching details**

Name of the course/paper	Department	University	Year
B. Sc. 3 <sup>rd</sup> Semester/ <b><u>Calculus</u></b> M. Sc. 1 <sup>st</sup> Semester/ <b><u>Fluid Mechanics</u></b> M. Sc. 3 <sup>rd</sup> Semester/ <b><u>Dynamics of Rigid Bodies</u></b> M. Sc. 2 <sup>nd</sup> Semester/ <b><u>Measure Theory</u></b> B. Sc. 4 <sup>th</sup> Semester/ <b><u>Differential Equations</u></b>	Mathematics	D. S. B. Campus, Kumaun University, Nainital	2023-2024
M. Sc. 1 <sup>st</sup> Semester/ <b><u>Fluid Mechanics</u></b> M. Sc. 3 <sup>rd</sup> Semester/ <b><u>Dynamics of Rigid Bodies</u></b> B. Sc. 4 <sup>th</sup> Semester/ <b><u>Ring Theory</u></b> M. Sc. 4 <sup>th</sup> Semester/ <b><u>Financial Mathematics</u></b> M. Sc. 2 <sup>nd</sup> Semester/ <b><u>Differential Equations</u></b>	Mathematics	D. S. B. Campus, Kumaun University, Nainital	2022-2023
M. Sc. 3 <sup>rd</sup> Semester/ <b><u>Dynamics of Rigid Bodies</u></b> B. Sc. 3 <sup>rd</sup> Semester/ <b><u>Group Theory</u></b> B. Sc. 2 <sup>nd</sup> Semester/ <b><u>Geometry &amp; Vector Analysis</u></b>	Mathematics	D. S. B. Campus, Kumaun University, Nainital	2021-2022

B. Sc. 2 <sup>nd</sup> Semester/ <b><u>Integral Calculus</u></b> M. Sc. 2 <sup>nd</sup> Semester/ <b><u>Measure Theory</u></b>			
B. C. A. / <b><u>Discrete Mathematics</u></b> M. Sc. Computer Science/ <b><u>Discrete Mathematics</u></b> B. Pharm. and D. Pharm / <b><u>Remedial Mathematics</u></b> Diploma in Engineering/ <b><u>Engineering Mathematics</u></b>	Allied Science	Graphic Era-Hill University, Bhimtal Campus	2019-2020

### Professional Memberships

Organization	Position	Year
Vijnana Parishad of India	Life Member	2023
Bharata Ganita Parishad	Life Member	2020

Honours and Awards : None

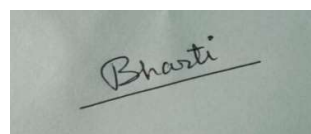
### Conference Presentations

Title of presentation	Conference name	Name of the institution	Year
<b>Bharti Joshi</b>	$\psi - \phi$ -contractions and Fixed Point Theorems	1 <sup>st</sup> International Conference on Emerging Trends in STEM and Health Agri-Sciences for Sustainable Development, MIET Kumaon, Haldwani	11-12 MARCH, 2024
<b>Bharti Joshi</b>	Continuity and Fixed Point Theorems	National Conference of Mathematics and its Applications in Science (NCMAS 2022), Department of Mathematics, Uttarakhand Open University, Haldwani.	22-23 DEC, 2022.
<b>Bharti Joshi</b>	Differential Equation Solving Techniques through Fixed Point Results	International e-Conference on Fixed Point Theory and its Applications to Real World Problems	27 JUNE, 2020
<b>Bharti Joshi</b>	A Survey of Various Continuity Conditions and Common Fixed Point Theorems	National Conference on Advances in Mathematics and its Applications, Department of Mathematics, M. B. Govt. P. G. College, Haldwani, Nainital.	17-18 MARCH, 2018
<b>Bharti Joshi, R. P. Pant</b>	Common Fixed Point Theorem for Orbitally Continuous Maps	8 <sup>th</sup> National Conference of the Indian Science Congress Association (Haridwar Chapter), Department of Mathematics and computer	14-15 OCT, 2017

		science, D.S.B. Campus, Kumaun University, Nainital.	
<b>Bharti Joshi</b>	A Brief Survey of Fractal Geometry	19 <sup>th</sup> Annual Conference Vijnana Parishad of India on Recent Advances in Mathematics and Mathematical Sciences and their Applications & Symposium on Fixed Point Theory & Applications (Dedicated to Prof. S. L. Singh), Department of Mathematics, H. N. B. Garhwal University, B. G. R. Campus, Pauri-Garhwal, Uttarakhand , India	10-12 NOV, 2016
<b>Bharti Joshi</b>	On the dynamics of Quadratic Polynomials	1 <sup>st</sup> National Conference on Progressive Sciences and Engineering, Institute of Technology, Gopeshwar, Chamoli, Uttarakhand, India	24-25 OCT, 2016
<b>Bharti Joshi, R. P. Pant</b>	A Survey of Various Commuting Conditions	19 <sup>th</sup> 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.	17-19 OCT, 2016

### Workshops

<b>Title of Workshop</b>	<b>Name of the institution</b>	<b>Year</b>
NEP-2020, Orientation and Sensitization Programme	UGC-Malaviya Mission Teacher Training Centre, Kumaun University, Nainital, Uttarakhand, India	18-27 MARCH, 2024
Computing with Words via Fuzzy Logic with Applications	Graphic Era-Hill University, Bhimtal Campus, Uttarakhand, India	25-29 NOV, 2019



Signature of the faculty member