

Kumaun University, Nainital
Curriculum Vitae

Name : Dr. Mahesh C Joshi
 Designation : Professor & Head
 Department : Department of Mathematics
 Contact Information
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Educational Qualification

Degree	University	Subjects	Year
Ph. D.	Gurukula Kangri University, Haridwar	Mathematics	1995
M. Sc.	HNB Garhwal University, Srinagar	Mathematics	1990
B. Sc.	HNB Garhwal University, Srinagar	Physics, Chemistry, Mathematics	1988
Intermediate	UP Board	Physics, Chemistry, Mathematics	1985
High School	UP Board	Mathematics	1983

Work Experience

Position	Department	University/Organization	Year
Professor	Department of Mathematics	Kumaun University	20 th June, 2009 to till to date
Associate Professor	Department of Mathematics	GBPUAT, Pantnagar	23 rd Jan, 2003 to 19 th June, 2009
Assistant Professor	Department of Mathematics	GBPUAT, Pantnagar	23 rd Oct, 1998 to 22 nd Jan, 2003
Teaching Associate	Department of Mathematics	GBPUAT, Pantnagar	April, 1995 to 22 nd Oct, 1998
Adhoc Lecturer	Department of Mathematics	Gurukula Kangri University, Haridwar	Jan, 1993 to April, 1995

Administrative Responsibilities (add row if required)

Position	Nature of responsibility	University/Organization	Year
Head	Department of Mathematics, Statistics and Information Technology	Kumaun University, Nainital	2016 to till date
Director Research		Kumaun University, Nainital	2020-21
Incharge	ARIS Cell CBSH	GBPUAT, Pantnagar	1999-2003
Incharge	Computer Centre, CBSH	GBPUAT, Pantnagar	Nov. 2008- 19 th June, 2009
Member Board of Management	Bal Nilayam and Bal Mangalam School, Pantnagar	GBPUAT, Pantnagar	2009
Joint Secretary		Indian Society for History of Mathematics	2012-2018
Administrative Secretary		Indian Society for History of Mathematics	2018-till date

Research Interests

(Fixed Point Theory, Fuzzy and Non-Linear Analysis, Operator Theory, Soft Computing)

Publications

a) Research Papers

Authors name	Title of the paper	Journal, vol, page no	Year
Rohit Kumar, Neeraj Garakoti, Naveen Chandra and Mahesh C. Joshi	<i>Fixed and coincidence point theorems on partial metric spaces with an application</i>	Mathematica Moravica, 27(2), 33-53	2023
Chetna Mehra, Narendra Biswas and Mahesh C Joshi	<i>Some results on d-frames</i>	Jñānābha, 53(1), 286-291	2023
Vijay K Shukla, Afef Fekih, Mahesh C Joshi and Prashant K Mishra	<i>Study of finite-time synchronization between memristive neural networks with leakage and mixed delays</i>	International Journal of Dynamics and control, https://doi.org/10.1007/s40435-023-01252-z	2023
Vijay K Shukla, Mahesh C Joshi , Grienggrai Rajchakit, Prasun Chakrobarti, Anuwat Jirawattanapanit and Prashant K Mishra	<i>Study of Generalized synchronization and anti-synchronization between different dimensional fractional-order chaotic systems with uncertainties</i>	Differential Equations and Dynamical Systems, https://doi.org/10.1007/s12591-023-00653-y	2023
M. C. Arya, N. Chandra and Mahesh C. Joshi	<i>Some common fixed point results on (ψ, φ) contraction</i>	Bol. Soc. Paran. Mat.	2023
M. C. Arya, N. Chandra and Mahesh C. Joshi	<i>fixed point results for a generalized (ψ, ϕ)-rational contraction</i>	Applied General Topology, 24(1), 129-144	2023
Narendra Biswas, Chetna Mehra and Mahesh C. Joshi	<i>Frames generated by double sequences in Hilbert spaces</i>	Mathematica Moravica, 27(1), 53-72	2023
Abhijit Pant, R. P. Pant, Mahesh C. Joshi and V. Rakocevic	<i>Fixed points of a family of mappings and equivalent characterizations</i>	Filomat, 37(5) , 1391-1397	2023
N. Chandra, Bharti Joshi and Mahesh C. Joshi	<i>Generalized fixed point theorems on metric spaces</i>	Mathematica Moravica, 26(2), 85-101	2022
R. P. Pant, Rale M. Nikolic, Abhijit Pant and Mahesh C. Joshi	<i>A Caristi and Meir-Keeler type characterization of completeness for Menger PM spaces</i>	Dynamic System and Applications, 31(3), 181-193	2022
R. Kumar, N. Chandra, N. Garakoti and Mahesh C. Joshi	<i>Some results on non-expansive type mappings</i>	Appl. Math. E-Notes, 22, 287-298	2022
Monika Narang, Mahesh C. Joshi and A. K. Pal	<i>A hesitant fuzzy multiplicative Base-criterion multi-criteria group decision making method</i>	Informatica, 46, 235–242	2022
Monika Narang, Mahesh C. Joshi , Kiran Bisht and Arun Pal	<i>Stock portfolio selection using a new decision-making approach based on the integration of fuzzy CoCoSo with Heronian mean operator</i>	Decision Making: Applications in Management and Engineering, 5(1) , 90-112	2022
C. Pant, B. Pande, S. Pande and Mahesh C. Joshi	<i>Evaluation of reconnection parameters for collisionless dispensation in solar corona</i>	Jñānābha, 52(1), 22-29	2022
Neeraj Garakoti, Mahesh C. Joshi and Rohit Kumar	<i>Fixed point for F_{\perp} –weak contraction</i>	Mathematica Moravica, 25(1), 113-122	2021
Monika Narang, Mahesh C. Joshi and A. K. Pal	<i>A hybrid fuzzy COPRAS-base-criterion method for multi-criteria decision making</i>	Soft Computing, 25, 8391-8399	2021
N. Chandra, Bharti Joshi , M. C.	<i>A common fixed point theorem for</i>	Jñānābha, 51(2), 274-280	2021

Arya and Mahesh C. Joshi	<i>weakly compatible mappings</i>		
M. C. Singh, Mahesh C. Joshi and N. Chandra	<i>Fixed point theorems on a closed ball</i>	Mathematica Moravica, 25(1), 47–55	2021
Vaibhav Sharma, Mahesh C. Joshi and Sanjay Kumar	<i>Fixed point theorems for contractive and weakly compatible mapping in complete intuitionistic fuzzy metric space</i>	The Journal of Analysis, 29, 1375-1390	2021
Vijay Dalakoti, Ravindra K. Bisht, R. P. Pant and Mahesh C. Joshi	<i>A Unified Common Fixed Point Theorem for a Family of Mappings</i>	Filomat, 35(3), 759–769	2021
M. C. Arya, N. Chandra and Mahesh C. Joshi	<i>Fixed point of (ψ, φ) contractions on metric spaces</i>	The Journal of Analysis, 28, 461-469	2020
R. P. Pant, Nihal Ozgur, Nihal Tas, Abhijit Pant and Mahesh C. Joshi	<i>New results on discontinuity at fixed point</i>	J. Fixed Point Theory Appl., 22(39), 1-14	2020
S. Pande, H. Bisht, M. C. Mathpal, C. Pant, B. Pande and Mahesh C. Joshi	<i>Study of Alfvén waves using magneto hydrodynamic equations in solar atmosphere</i>	Jñānābha, 50(2), 236-243	2020
N. Chandra, Mahesh C. Joshi and N. K. Singh	<i>Fixed point theorems for generalized non-expansive mappings</i>	Jñānābha, 49(2), 1-5	2019
Mahesh C. Joshi , M. Rani and N. Chandra	<i>Transcendental Picard-Mann hybrid Julia and Mandelbrot sets</i>	Mathematica Moravica, 23(1), 41-49	2019
Abhijit Pant, R. P. Pant and Mahesh C. Joshi	<i>Caristi Type and Meir-Keeler Type Fixed Point Theorems</i>	Filomat, 33(12), 3711-3721	2019
N. Chandra, Mahesh C. Joshi and N. K. Singh	<i>Fixed point theorems for generalized multi-valued contraction</i>	Journal of Analysis, 26, 49-59	2018
M. C. Arya, N. Chandra and Mahesh C. Joshi	<i>A coincidence point theorem in partial metric space</i>	Ganita, 68(2), 01-06	2018

b) Books

Authors name	Title of the book	Publisher	ISBN	Year
Anita Tomar and Mahesh C Joshi	Fixed Point Theory and its Applications to Real World Problem	Nova Science Publishers, Inc. (USA)	978-1-53619-336-7	2021

c) Book chapters

Authors name	Title of the book	Publisher	ISBN	Year
R. Kumar, Mahesh C. Joshi , N. Garakoti,	Fixed Point Theory and its Applications to Real World Problem	Nova Science Publishers, Inc. (USA)	978-1-53619-336-7	2021
N. Garakoti, Mahesh C. Joshi , R. Kumar	Fixed Point Theory and its Applications to Real World Problem	Nova Science Publishers, Inc. (USA)	978-1-53619-336-7	2021
N. Chandra, Mahesh C. Joshi , B. Joshi, N. K. Singh	Fixed Point Theory and its Applications to Real World Problem	Nova Science Publishers, Inc. (USA)	978-1-53619-336-7	2021
N. Chandra, M. C. Arya, Mahesh C. Joshi	Recent Advances in Fixed Point Theory and Applications	Nova Science Publishers, Inc. (USA)	978-1-53612-085-1	2017

Abhijit Pant, R. P. Pant, Mahesh C. Joshi	Recent Advances in Fixed Point Theory and Applications	Nova Science Publishers, Inc. (USA)	978-1-53612-085-1	2017
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Professional Memberships

Organization	Position	Year
Vijyan Parishad of India	Life member	1993
Indian Mathematical Society	Life member	1993
Indian Society for History of Mathematics	Life member	2005

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(Mahesh C Joshi)