

Kumaun University, Nainital

Curriculum Vitae

Name : Dr. Anita Kumari
Designation : Assistant Professor
Department : Mathematics
Contact Information
• Email Address : anita.shiv2010@gmail.com
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Scopus ID : N/A
Vidwan ID : N/A

Educational Qualification

Degree	University	Subjects	Year
Ph. D.	Kumaun University	Mathematics	2012

Work Experience

Position	Department	University/Organization	Year
Assistant Professor	Mathematics	Kumaun University	2011 to continue

Administrative Responsibilities

Position	Nature of responsibility	University/Organization	Year
Warden		GAURA DEVI, Kumaun University	2019 to continue

Research Interests

(List your research interests and areas of expertise in 1-3 lines)

Publications (start from recent publications)

	Title of the paper	Journal, vol, page no	Year
Sudha Rana, D.Kumar and A.Kumari:	Fuzzy reliability assessment of urea fertiliser plant based on Petri nets method using a probabilistic picture-hesitant fuzzy set, life cycle Reliability and Safety Engineering,	DOI- https://doi.org/10.1007/s41872-024-00246-w .	2024
Jaya Bhadauria, A. Kumari and D. Kumar	Fourier series for fuzzy valued function using heptadecagonal fuzzy number	ISSN 2063-5346 , Eur. Chem. Bull., 12(Special Issue 10), 4178 – 4186 (2023
D. Kumar, A. Kumari,	Utilization of interval-valued intuitionistic fuzzy soft set in the health sector	ISSN 2372-5060 6(S6),8437–8444. https://doi.org/10.53730/ijhs.v6nS6.12135	2022
P. Singh, D.Kumar, A. Kumari,	Effect of heat and mass transfer in nanofluid flow along a vertical thin needle	Materials Today, Volume 57, Part 5, Pages 2276-2280, ISSN 2214-7853,	2022
D. Kumar, A. Kumari	Reliability appraisal of a system using interval-valued probabilistic dual hesitant fuzzy element	Materials Today, Volume 57, Part 5, Pages 1995-2001, ISSN 2214-7853	2022
D.Kumar, P. Kumar and A. Kumari	Reliability and mean time to failure of unrepairable systems using intuitionistic fuzzy random lifetimes .	Advances and Applications in Mathematical Sciences (Mili Publications) , ISSN: 0974 6803,1337-1366.	2020
D.Kumar A.Kumari	Fuzzy reliability of a system using dual hesitant fuzzy element,	The International Journal of Statistics and Reliability Engineering (IJSRE),ISSN: 2350-0174,17-25.	2020
A.Kumari, D. Kumari	T-Curvature Tensor On Generalized (k- μ) Contact Metric Manifolds,	IOSR Journal of Mathematics (IOSR-JEN),ISSN: 2278-5728, 23-32	2019

D. Kumar, ,S. B. Singh and ,A, Kumari	Analysis of a mathematical reliability model for a system with fuzzy constant failure rate using trapezoidal fuzzy number.	, Journal of Engineering Research and Application, ISSN : 2248 -9622,42-45	2019
D.Kumar, A.Kumari	An Evaluation of the System Reliability Using Fuzzy Lifetime ,Distribution Emphasising, Hexagonal Fuzzy Number.	IOSR Journal of Engineering (IOSRJEN), ISSN: 2278-8719,17-25	2019
A. Kumari, D. Kumar	Conjunction as Cohesive Devices in the Writing of Mathematicians,	IOSR Journal of Mathematics (IOSR-JEN),ISSN: 2278-5728,17-22	2019
A.Kumari, S.K.Chanayl.	On the T curvature tensor in generalized sasakian manifold	,IOSR Journal of Mathematics (IOSRJEN), ISSN: 2319-765X,61-68.	2015

a) Patents (start from recent publications)

Authors name	Title of the patent	Patent no (Granted or filed)	Year

b) Books (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year

c) Book chapters (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year
D.Kumar, A.Kumari	Advancements in Fuzzy Reliability Theory,	IGI Global publisher, February,	ISBN13: 9781799875642, 209-221	2021
A.Kumari, D.Kumar and R. Kumar	Fixed Point Theory and its Applications to Real World Problems	NOVA Publication, May,	ISBN: 978-1-53619-336-7	2021

d) Conference Publications/Proceedings (start from recent publications)

Authors name	Title of the paper	Conference name	Year
D. Dhiman, A. Bisht, A. Kumari , D. H. Anandaram, S. Saxena and K. Joshi	Online Fraud Detection using Machine Learning	2023 International Conference on Artificial Intelligence and Smart Communication (AISC), Greater Noida, India, pp. 161-164, doi: 10.1109/AISC56616.2023.10085493	2023
J. Bhadauria, S. Rana, A. Kumari and D. Kumar,	Reliability analysis of different complex systems using intuitionistic trapezoidal fuzzy number,	2022 7th International Conference on Computing, Communication and Security (ICCCS), Seoul, Korea, Republic of pp. 1-6, INSPEC Accession Number: 22885053, doi: 10.1109/ICCCS55188.2022.10079498,	2022
A. Kumari and D. Kumar ,	New Applications in Computing Using Intuitionistic Fuzzy Set Approach,	2022 7th International Conference on Computing, Communication and Security (ICCCS), Seoul, Korea, Republic of, 2022, pp. 1-5, doi: 10.1109/ICCCS55188.2022.10079512, INSPEC Accession Number: 22885053, (Scopus indexed, IF 0.15).	2022

Projects

Title of the project	Funding agency	Amount (Rs)	Year
Using max–min–max composition method for choosing educational institute.	KUIFR(Kumaun University Nainital)	2lakh	2024

Teaching details

Name of the course/paper	Department	University	Year
Analytical Geometry	Mathematics	Kumaun University	2015,2018,2020,2024
Discrete Mathematics	Mathematics	Kumaun University	2019, 2022,2024
Differential Equations	Mathematics	Kumaun University	2013, 2015,2017,2018,

Real Analysis	Mathematics	Kumaun University	2016, 2018,2020
Complex Analysis	Mathematics	Kumaun University	2018, 2021,2022

Professional Memberships

Organization	Position	Year

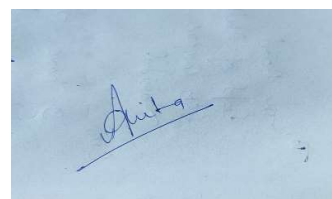
Honours and Awards

Award	Awarding Organization	Year

Conference Presentations

Title of presentation	Conference name	Name of the institution	Year
Using max–min–max composition method for choosing educational institute.	8 th conference of ISCA(Haridwar chapter) Reaching the Unreached through Science and Technology	Department of Mathematics, DSB Campus, Kumaun University, Nainital	2017
Study of impacts of climatic changes on various components of the Himalayan ecosystem	National Seminar on Socio-Economic Impact of Ecological Ignorance in Development: Raising Disastrous possibilities	PGS college, Dwarahat, Almora	2017
A survey of various generalized structure manifolds	National conference on Advances in Mathematics and its applications	MBPG College, Haldwani	2018
A comparative study of cohesion devices in literature	International conference on emerging trends in engineering, management and sciences	Graphic era hill university, Bhimtal campus, Nainital	2019

Conjunction as Cohesive Devices in the Writing of Mathematicians	CONIAPS-XXIV on Innovations in Physical sciences (2019)	CCS university, meerut	2019
Cohesion and its application in mathematics	National conference on Integrity of Mathematics in Advancement of Science, Technology and Management	M B P G Degree college and UCOST	2021
Fixed point of asymptotically regular mapping on partial-b metric spaces	Recent Developments in Mathematics, Optimization and Computational Sciences	Department of Mathematical Sciences and Computer Applications Bundelkhand University, Jhansi (Uttar Pradesh)	2021
Some new results using soft conflicting bifuzzy set approach	27 th international conference of international academy of physical sciences On "Fuzzy and computational mathematics"	Department of mathematics national institute of technology agartala	2021



Signature of the faculty member