

CURRICULUM VITAE

Dr. Mukesh Kushwaha

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Field of Specialization

Fixed Point Theory, Fuzzy Set Theory, Neutrosophic Decision Science, Neutrosophic Optimization.

Research Interests

Approximation, Iteration Process, Fixed Point Theory, Fuzzy Set Theory, Fuzzy Logics and Neutrosophic Optimization, Fixed Point Problems in Neutrosophic Space.

Qualification

- Ph.D. (Mathematics) from Bundelkhand University in year 2022.
Thesis Title- *Some Fixed Point Theorems of Iteration Procedures for Monotone Non-Expansive Mapping.*
- M.Phil. (Mathematics) from Bundelkhand University in year 2012.
Thesis Title- *A new iterative method for convergence theorem about two fixed points*
- M.Sc. (Mathematics) from Bundelkhand Degree College in year 2009.
- B.Sc. from B.B.C Jhansi in year 2007.
- Intermediate from U.P.Board in year 2004.
- High School from U.P.Board in year 2002.

Additional Qualification

- GATE (Mathematics) qualified in 2010.

Teaching Experience

- One year teaching experience from **Data Soft Institute**, Jhansi.
- Seven year teaching experience in **Sharda Devi Degree College**, Rajgarh, Jhansi.
- Working as Teaching Assistant in Department of Basic Science (Mathematics), **Bundelkhand University** from 22/07/2019 to 15/08/2024, Jhansi
- Working as Assistant Prof. in the Department of Mathematical Sciences & Computer Applications, **Bundelkhand University**, Jhansi

Research Publications (International / National)

1. Saini, R. K., Kushwaha, M., Tripathi, A. D. New Fixed Point Results in Generalized G_b -Metric Spaces. *IJITEE.(springer)*. Vol.9(3), 1363-1365, 2020.(ESCI, Web of Science).ISSN: 2278-3075 (Online),DOI:[10.35940/ijitee.B7502.019320](https://doi.org/10.35940/ijitee.B7502.019320)
2. R.K. Saini, Mukesh Kushwaha., Common fixed point results for Hybrid Contraction in Hausdorff Fuzzy Metric Space., *J. Math. Comput. Sci.* vol.12, No.X, 1-18, 2022.(ESCI, Web of Science) <https://doi.org/10.28919/jmcs/5994>

3. Rajender Sharma , Vishal Gupta, Mukesh Kushwaha., New Results for Compatible Mappings of PType A and Subsequential Continuous Mappings., “*Applications and Applied Mathematics: An International Journal (AAM)*”,vol.15, Issue-1,282-295, **2020**.
<https://digitalcommons.pvamu.edu/aam/vol15/iss1/16>
4. Mamta Dassani, Mukesh Kushwaha.,Some Generalized Results to unify Classical Polynomials., “*International Journal of Basic Sciences and Applied Computing(IJBSAC)*”, Volume-3 Issue-3, March **2021**, ISSN: 2394-367X (Online),[doi:10.35940/ijbsac.B0201.033321](https://doi.org/10.35940/ijbsac.B0201.033321)
5. Mukesh Kushwaha and A.K. Verma., A new iterative method for convergence theorem about two fixed points. “*International Journal of Professional Development*”. Vol, 5, no.1, jan-june.pp.73-86: ISSN: **2277-517X**, 22790-0659., **2016**.[Jan-June2016.pdf \(ijpd.co.in\)](https://www.ijpd.co.in/Jan-June2016.pdf)
6. R.K. Saini, Mukesh Kushwaha.,Hybrid Fixed Point Theorems for Integral Type Implicit Relations in Hausdorff Fuzzy Metric Spaces, “*Advances and Applications in Mathematical Sciences*”. Vol, 21, Issue 8, 4847-4861 , **2021**, (ESCI, web of science), doi.org/10.1142/9789814261302_0021
7. R.K. Saini, Mukesh Kushwaha., Almost $(\alpha/\eta)-\psi_{\Gamma}$ -Contraction in Induced Fuzzy Metric Space and Application to Fredholm Integral Equations, “*Communications in Mathematics And Applications*”.**2021**.Vol. 13, No. 1, (2022), 1-18. (ESCI, Web of Science)
<https://doi.org/10.26713/cma.v13i1.1685>
8. Rajesh Kumar Saini and Mukesh Kushwaha, Fixed point for set-valued maps satisfying integral type implicit relations in fuzzy metric space, *communicated to IEEE Xplore*, (**2021**), 17-19.
9. Mamta Dassani and Mukesh Kushwaha, *Generalization of Konhauser Polynomials*, International Journal of Basic Sciences and Applied Computing (IJBSAC), **2020**, Vol.2, Issue-11, 08-14. DOI:[10.35940/ijbsac.L0165.0321120](https://doi.org/10.35940/ijbsac.L0165.0321120). ISSN: **2394-367X**.
10. Mukesh kushwaha et al., Decision-Making Approach using Similarity Measures under Neutrosophic Cubic Sets and its Applications in Pattern Recognition Scenarios, *International Journal of Innovative Science and Research Technology*. Vol. 8, Issue 10, 2178-2185, **2023**. doi : <https://doi.org/10.5281/zenodo.10158380> . ISSN No:-**2456-2165**
11. Mukesh kushwaha et al., Multi-Criteria Group Decision-Making with ELECTRE-III Method for Selection of Female Spouse in Pythagorean Neutrosophic Environment, *Plithogenic Logic and Computation*. Vol.1 (2024)., 36-53, <https://doi.org/10.61356/j.plc.2024.18960> .

12. Book Chapter:

Prof. R. K. Saini & Mukesh Kushwaha, Application of computer science indifferent ways of mathematical iteration. *futuristic approach to different moderntools and technology in mathematical education.*,(Saliha publications, Tamil Nadu).pp 24-30,**2020**, ISBN:978-81-947377-3-5,

Patent: Mukesh kushwaha et al., Multiband Patch Antenna for High-Frequency Operations. Design number: 6344806 (2024)

Communicated Research Publications

1. Mukesh Kushwaha, R. K. Saini., The Generalized Programming on Iterative Scheme., Communicated to “*International Conference of International Academy of Physical Sciences (CONIAPS-XXVII)*” **2019**
2. Mukesh Kushwaha, R.K. Saini., Fixed Point Theorem and Stability Results of Pointwise Asymptotically α -non-expansive Mapping in Hilbert Space., Communicated to the “*International Conference of Gwalior Academy of Mathematical Sciences (ICGAMS-2K19)*”, **2019**.

3. R.K. Saini, Mukesh Kushwaha., Comparison of Fastness of the Convergence Between Mann and Noor Iteration for the Class of Zamfirescu Operators., “*Communicated to the International Conference on Applied Science Mathematics and Statistics (ICASMS)*”, 2022.

International Conferences/ National Conferences/ Workshops Attended/Paper present

1. Paper present in national conference on “*recent developments in mathematical modelling & fuzzy logic (M²FZY-II)*” 2018 in Chandigarh University, Mohali Punjab.
2. Poster present in international conference on “*functional materials and simulation techniques (ICFMST- 2019)*” in Chandigarh University, gharuan mohali
3. Paper present in international conference on “*mathematical sciences and symposium On Advances in special functions and applications*” 2019 in VIT University Bhopal
4. Paper present in online national conference in LNCT University, Bhopal.
5. Paper present in national seminar on *24th Annual Conference of Vijnana Parishad of India and National Seminar*. On April-28-30, 2023.
6. Participated in virtual international conference on *Emerging trends in online learning and global challenges in higher education*. In 17th -18th June 2020.
7. Participated in international webinar on topic *Mathematical Modelling and its Applications in Epidemiology*. In 23/05/2020.
8. Attended the webinar on the occasion of *National Statistics day* on 29th June 2020. Organized by department of statistics, university of Lucknow.
9. Participated in two days webinar on *CSIR Problem Solving Techniques in Algebra and Analysis*. Organized by department of mathematics St. Joseph’s College, Tiruchirappalli on 17th and 18th June 2020.
10. Participated in the national webinar on *Environment Sustainability: Recent Scenario and Solutions*. Organized by IQAC ON 25th June 2020.
11. Participated in webinar on *Recent Research Directions in Distance in Graphs*. Organized by department of mathematics, ayya nadir janaki ammal college on 28th May, 2020.
12. Participated in national webinar on *Why Innovation in Times of a Pandemic is Inevitable*. Organized by department of engineering mathematics on June 6th, 2020.
13. Participated in one day national webinar on *Mathematics: Fear, Friend and Challenge!* Organized by department of mathematics, Indira Gandhi national tribal university, Amarkantak, Madhya Pradesh. Date: 30th June 2020.
14. Participated in national level *workshop on Python for Beginners*. Organized by department of mathematics government of Karnataka on 27.06.2020.
15. Attended live webinar on *SAGEMATH-GREATEST WAY OF UNDERSTANDING MATH*. College of engineering and technology on 18th June 2020.
16. Participated in live webinar on *scientific writing* organized by department of basic science, Truba Institute of Engineering and Information Technology, Bhopal. Date: 11th June 2020.
17. Participated in the three day *Faculty Development Programme* on " Applications of Mathematical Modelling in Science and Engineering " held from 25/07/2020 to 27/07/2020 at "Vivekananda Institute of Technology, Jaipur
18. Participated in the international e-conference on *fixed point theory and its applications to real world problems* organized by department of mathematics, government post graduate college Maldevta, Raipur Dehradun, India. Date: 27th June 2020.

19. Participated in the three days national webinar on ***Breakingthrough of E-content & digital resources*** in pandemic COVID-19. Date 25th -27th June 2020.
20. Participated in the webinar on ***International Yoga Day*** on 21st june 2020. Organized by national service scheme.
21. Participated in the webinar series on ***Everything about fuzzy*** from 05/06/2020 to 08/06/2020 conducted by school of advanced sciences.
22. Participated in national webinar on topic ***“GENDER AND SOCIAL SECURITY: EMERGING ISSUES AND CONCERNS IN POST COVID SCENARIO”*** organized by ARSD College, Dhaulakuan, New Delhi held on 24th June, 2020.
23. Participated in live national webinar on ***“Recent Advances in Mathematics and its Applications”*** organized by government college of baktara on 3rd june, 2020.
24. Participated in national e-Workshop on ***Application of Mathematics and its use of Contemporary Scientific and Technical Terminology in Hindi***. JNU. Date: 14th to 16th june 2020.
25. Participated in webinar on ***Practical implementation of IOT***. Delivered by Mr. Abhigyanam Giri. Organized by LNCT Talk-Essential, Bhopal on 28th may, 2020.
26. Participated in international virtual conference on ***“Role of Technology in the Era of Covid-19 for Education”*** Organized during June 7 to June 8, 2020.
27. Participated in webinar on ***AI for Everyone***. Delivered by Mr. Rohit kukreja, organized by LNCT Talk-E-Ssential, Bhopal on 2nd june 2020.
28. Participated in national webinar on ***Google Cloud Platform*** on dated 28-05-2020 conducted by department of electronics & communication LNCT group. Bhopal.
29. Participated in two days online webinar on ***Geodesics on unit sphere: A Differential Geometry Approach and and Solution of ODE using Lie Symmetry and Open Source Sagmath Algorithm*** from 18th and 19th june 2020. Organized by department of mathematics , C.B. Patel computer college and J.N.M Patel science college, surat.
30. Participated in online webinar ***Latest Developments and Application of Graph Theory***. Conducted by department of mathematics KPRIET on 23-06-2020.
31. Participated in two days online national workshop on ***RESEARCH METHODOLOGY & PROPOSAL WRITING***. Organized by Oriental College of Technology. Bhopal 25th -26th may 2020.
32. Participated and also Co-ordinate the technical Session in ***23rd Annual Conference of Vijnana Parishad of India on topic Recent Developments in Mathematics, Optimization and Computational Sciences (RDMOCS 2021)***. Organized by Bundelkhand University, Jhansi date: September 06-10, 2021.
33. Participated in national webinar on ***CATALAN NUMBER AND ITS APPLICATION*** . organized by PG and Research Department of Mathematics., V.O. Chidambaram College.on 10-06-2020.
34. Participated in one day national webinar on ***Techniques of Acquiring API Score and Submitting PBAS For University and College Teachers***. Organized by Internal Quality Assurance Cell of Lokmanya Mahavidyalaya Warora. On date: 24th june 2020.
35. Participated in international webinar on ***PLAN YOUR RESEARCH EFFECTIVELY USING Scopus & ScienceDirect FROM ELSEVIER***. Organized by university of jammu in collaboration with ELSEVIER. Date 29th may 2020.
36. Participated in online assessment/academic program ***“Mathematics and its Applications”*** organized by Department of Mathematics, held on 23-05-2020.
37. Participated in Author Workshop on ***“How To Write And Publish Scientific Articles And Manuscript”*** on 25th april, 2017 organized by Springer Nature and Bundelkhand University, Jhansi.

38. Participated in 2nd international conference on “*Soft-Computing : Theories and Applications (SoCTA-2017)*” ON 22-24, 2017 Organized by Institute of Engineering & Technology, Bundelkhand University, Jhansi, India

Personal Details

- **Name** : Mukesh Kushwaha
- **Date of Birth :** : 12-07-1985
- **Father’s Name** : Mr. Ram Kishan Kushwaha
- **Marital Status** : Married
- **Gender** : Male
- **Nationality** : Indian
- **Religion** : Hindu
- **Language Known** : English & Hindi

I hereby confirm that the above information given by me is true as per my knowledge & belief.

Date:
Place: Jhansi

Signature
(Mukesh Kushwaha)