

CURRICULUM VITAE



Prof. Rajesh Kumar Saini

Current Position

Dean Science, Chief Proctor, Security Officer,
Dean & Director, IET (F)

BUNDELKHAND UNIVERSITY, JHANSI, INDIA

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FIELD OF SPECIALIZATION

Neutrosophic Transportation Problems, Neutrosophic Optimization, Neutrosophic Decision Science, Fixed Point Theory, Fuzzy Set Theory, Summability Theory

RESEARCH INTERESTS

Application of Neutrosophic Optimization, Fixed Point Theory, Operator Theory, Approximation, Iteration Process, Fuzzy Set Theory etc. *Currently working on* Fuzzy Optimization, Fuzzy Logics and Neutrosophic Optimization, Fixed Point Problems in Neutrosophic Space.

EMPLOYMENT POSITION

- 2013 – Bundelkhand University, Jhansi, India - Professor.
- 2010 – Bundelkhand University, Jhansi, India - Associate Professor.
- 2007– DAV College, Muzaffarnagar (CCS University, Meerut) - Reader.
- 2000– DAV College, Muzaffarnagar (CCS University, Meerut) – Sr. Lecturer
- 1998– Govt. PG College, Uttarkashi (Garhwal University, Srinagar) - Lecturer
- 1995– KIET, Gaziabad & MIET Engineering College, Meerut - Lecturer

SCIENTIFIC/ACADEMIC HONORS

- Khosla Research Award for Young Scientist for presenting paper “A Note on Strong Summability” at University of Roorkee, India in the year 1998.
- Mitthan Lal Tayal Gold Medal in M.Sc. (Mathematics) at D. A. V. (PG), College, (CCS U, Meerut), 1987.
- SRF (Senior Research Fellowship, CSIR, India, 1st August 1990 to Oct.1993).

EDUCATION

- Ph. D. 1993 (University of Roorkee, Now IIT Roorkee (UK), INDIA)
- Thesis Title- *Some Problems on Linear Methods of Summation With Applications to Fourier & Related Series*
- D.Sc.*(CCS University, Meerut (UP), INDIA)
- Thesis Title- *Fixed Point Theorems for Contractive Type Maps and Applications in Fuzzy Metric and Other Spaces*
- B.Sc. & M.Sc. 1983-1987 (CCS University, Meerut (UP), INDIA)

ACADEMIC VISITS ABROAD

- Participating and Presented a paper and chair two session in “The 8th International Conference on Fixed Point Theory and its Applications” (ICFPTA-2007), July 16 – 22, 2007, Chiang Mai University, Chiang Mai, Thailand.
- Working as Associate Professor from March 29th – July 29th, 2008, in the department of Mathematics, Eritrea Institute of Technology (EIT), Asmara, Eritrea.

PUBLICATIONS

- Number of Research Papers- 106
- Journals of International/National Repute - 74
- Number of conference (National/International) – 32
- Number of Research Grants- 04
- Number of conference/symposium organized – 04 (02 National, 02 International)
- Number of Books Authored – 04, Books Edited- 04, Books Chapters- 11
- Highest Citation – 45, Highest Impact Factor 3.381

RESEARCH PAPERS PUBLISHED/REVIEWED IN VARIOUS INTERNATIONAL SCIENTIFIC JOURNALS

REVIEWER

- Symmetry, an international, peer-reviewed, open access journal by MDPI
- *Mathematics* is a peer-reviewed, open access journal by MDPI.
- Journal of Intelligent & Fuzzy Systems
- OPSEARCH, s Springer Nature`s
- Engineering Applications of Artificial Intelligence, Elsevier
- Journal of Mathematical Analysis and Application (SCI, Elsevier),
- Tamkang Journal of Mathematics (ESCI, Scopus),
- Thai Journal of Mathematics (ESCI, Scopus),
- Journal of Surveys in Mathematics and its Application (ESCI, Scopus),
- International Journal of Math Analysis (Scopus),
- Surveys in Mathematics and its Application (ESCI),
- Cogent Mathematics (Taylor & Fancies) Etc.
- Neutrosophic Sets and Systems(Scopus),
- Advances in Intelligent Systems and Computing (Springer),
- IEEE Xplore, Etc.

RESEARCH GUIDANCE

- **Ph.D. Thesis Supervision:** Awarded -16, Submitted -01, Registered -04
- **Project Guide:** M. Phil. -16, M. Sc. -16, MCA-40

RESEARCH GRANTS

- UPCST, Centre of Excellence, 45/2022/869/seventy-4-2022 /001-70-4099-1-2022, Rs. 650000/-
Title – Advance Simulatio Lab
- BUR&D Cell, No. 23/ST/BU/2022-23, Dated: 14.06.2022, Rs. 425000/-
Title - Multi-Objective Hospital Site Problem In Neutrosophic Environment: A Case Study
- TEQIP Project of MHRD as Project In-charge of Rs. 10 K. for 2017-2020.
- INSPIRE Programme of DST, January 20 - 24, 2014, 10 lakh, Bundelkhand University,
- Received Grant Rs. 50,000/- from INSA for International Conference“Soft Computing: Theories and Applications (SoCTA2017)”, scheduled on 22nd – 24th Dec. 2017 at IET, Bundelkhand University, Jhansi.
- Received full travel grants from IMU to visit Hyderabad University, Hyderabad to present my paper in International Congress of Mathematicians (ICM), 19 – 27 August, 2010.
- Received full travel grants from UGC and INSA to visit Chiang Mai University, Thailand, present my paper in 8th International Conference on Fixed Point Theory and its Applications” (ICFPTA-2007), July 16 – 22, 2007.
- UGC Major Research Project: 01 (No. 35-107/2008 (SR)), Rs. 6,01,800/-
Title -- Fixed Point Iterations and Viscosity Approximation for Variational Inequality with Applications
- UGC Minor Research Project: 01 (No. 5.1.3(114)/2004(MRP/NRCB), Rs. 40,000/-
Title -- Some Problems on Linear Methods of Summation

ADMINISTRATIVE POSITIONS HOLDS AND RUNNING

- Chief Proctor and Security Officer, Bundelkhand University, Jhansi (Current)
- Member of the Academic Audit for NAAC and NBA accreditation of MITS Gwalior on 2nd & 3rd March, 2019.
- Member of the Academic Audit for Teqip-III and NBA accreditation of IET Agra on 24th August, 2018.
- Dean & Director of Institute of Engineering & Technology, Bundelkhand University, Jhansi form 2017 to 2018.
- Member of the Executive Council (EC) of Bundelkhand University, Jhansi in the year 2012, 2014, 2016, 2018, 2020, 2021,2022.
- Member of the Academic Council (AC) of Bundelkhand University, Jhansi from 2013 to till now.
- Coordinator of admission and evaluation committee, Bundelkhand University, Jhansi from 2013 – 2017.
- Coordinator of CPMT-2011 Entrance Examination conducted by Bundelkhand University, Jhansi
- Coordinator of B.Ed. counseling 2012, 2013 and 2016 at Bundelkhand University, Jhansi
- Dy. State Coordinator of B.Ed. Entrance Examination, 2014, conducted by Bundelkhand University,
- A regular permanent Member of Inspection team to assess the availability/or non-availability of infrastructure of the Colleges for affiliation/opening of new colleges and courses since 2012.
- Examination coordinator for UP-PCS, UP-TET, High Court ARO+APRO, Police Entrance-by TCS & APTEC, UP-TGT, UP-PGT, AKTU and other relevant whole University Examinations in Semester and Annual since 2017, 2018, 2019.

MEMBERSHIP OF PROFESSIONAL / ACADEMIC BODIES, SOCIETIES ETC.

- Life Membership-Soft Computing Research Society (SCRS).
- Life Membership- Indian Society for Industrial and Applied Mathematics (ISIAM)
- Life Membership- National Academy of Science (NAS)
- Life Membership-Ganita Bharti, Bulletin of the Indian Society for History of Mathematics.
- Life Member of Indian Mathematical Society (IMS).
- Life Member of International Academy of Physical Sciences (IAPS), Allahabad, India.
- Member of the review committee of Journal of Mathematical Analysis and Applications.
- Referee for the group "Fuzzy set and system" in the Journal of Advanced Studies in Topology
- Referee for the group Analysis in Thai Journal of Mathematics.
- e-Member of the of "International Mathematician Union (IMU).
- Member of the editorial board of "Journal of Mathematical Sciences and Appl." Sci. and Edu. Pub., United States

CARRIER ADVANCEMENT ACTIVITIES

- Training Course on "Microsoft Office" from STEP, University of Roorkee, Roorkee, Sept. 08 to Oct. 05, 1997.
- UGC orientation program (OP-59) (four week) from ASC- HP University, Simla, April 08 to May 04, 2002.
- UGC refresher course (21-Days) from Thapar University, Patiala from December 12 - 31, 2005.
- UGC refresher course (RC-198, 21-Days) from ASC- HP University, Simla, 10th - 29th Nov. 2008.

ACADEMIC ACTIVITIES

- Subject Expert of Selection committee in UPHEC, Allahabad, R.D.C. of various Universities.
- Member of Board of Studies of Mathematics of H.N.B.I.E.T., Garhwal University, Srinagar,
- Invited Lecture on "Emerging Trends for Research with Applications of Neutrosophic Set Theory" in One Week
- Online Faculty Development Program "Emerging Areas and Technologies in Academics and Research in Current Scenario", Organized by: Department Science and Engineering Shri Ramswaroop Memorial Road, Barabanki, U.P Date: 27 -31 July, 2020.
- Member of the International/National Advisory Committee on "Functional Materials and Simulation Techniques (ISFMST-2019): during June 7-9, 2019 at Chandigarh University, Gharuan, and Punjab, India. ISFMST-2019.
- Subject Expert on Selection Committees for the post of Assistant, Associate and Professor in Mathematics for various colleges affiliated to Bundelkhand University, Jhansi.
- Invited Lecture on "Fixed Point Theory And Their Applications In OR" in National Conference on Innovative Trends in Mathematical Sciences" organized by Dept.of Math. and Humanities, MMU, Mulana, Ambala, Haryana, 30st March, 2015.
- Invited Lecture on "Modified Method For Unbalanced Fuzzy Transportation Problems" in National Conference (NCRAMA-2014) organized by Dept.of Apl. Math. BBAU Lucknow, 31st October, 2014.
- Invited Lecture on "Fuzzy Optimization" under a FIP program, at MIET, Meerut on 8th Jan. 2010.
- Invited Lecture on "Fuzzy Non-Linear Equation and optimization" as a resource person in refresher course (RC-2010) program, at ASC, Punjabi University, Patiala on 10th May, 2010.
- Chair a special session on "The 8th International Conference on Fixed Point Theory and its Applications" (ICFPTA-2007), July 16 – 22, 2007, Chiang Mai University, Chiang Mai, Thailand.

ORGANIZATION OF WORKSHOP/CONFERENCE/SEMINARS

- Organize a Science Camp under INSPIRE Programme of DST, January 20 - 24, 2014 at Bundelkhand University,
- Dy. Organizer of International Workshop on Modeling of Materials (Crystal Program), March 7 – 12, 2014, at Bundelkhand University, Jhansi.
- Convener, Workshop on Bioinformatics: databases and sequence analysis by department of microbiology & Mathematical Sci. & Computer Appl. BU, Jhansi 15,16 & 17 march, 2016.
- Convener & Chairman, an International conference "Soft Computing: Theories and Applications (SoCTA2017)", scheduled on 22nd – 24th Dec. 2017 at Institute of Engineering & Technology, Bundelkhand University, Jhansi.
<https://link.springer.com/book/10.1007/978-981-13-0589-4?noAccess=true>
- Convener & Chairman, an International conference "2nd International Conference on Recent Advances in Sustainable Environment (RAiSE23)", was held on 15-16, May 2023 at Department of Mathematical Sciences and Computer Applications, Bundelkhand University, Jhansi
(<https://newstrack.com/uttar-pradesh/jhansi/two-day-brainstorming-started-at-bundelkhand-university-on-sustainable-environmental-development-426202>)

COURSES TAUGHT AT VARIOUS LEVELS

- Under-graduate (B.Sc./B.Tech./B.E./ B.C.A. level)**
All related topics of B.Sc./B.Tech. mathematics prescribed by UGC, AICTE & UP Govt.
- Post-graduate (M.Sc./M.Tech./M.C.A. level)**

LIST OF PUBLICATIONS

List of publication (SCI/ESCI/Scopus/Web of Science)

1. M. L. Mittal G. Prasad and Rajesh Kumar, On the $\|T\|_C$ Summability of a Sequence of Fourier Coefficients, *Tamkang Journal of Mathematics*, vol. 22(1991), 25-29. (ESCI, Scopus) <https://doi.org/10.5556/j.tjkm.22.1991.4566>
2. M. L. Mittal and Kumar R, ON Multiplier for Absolute Matrix Summability, *Journal of Mathematical Analysis and Application* Vol. 191(1995), 528-539. (SCI, Scopus) <https://doi.org/10.1006/jmaa.1995.1146>
3. M. L. Mittal and Rajesh Kumar, A Note On Strong Norlund Summability and Applications, *Journal of Mathematical Analysis and Application* vol. 199(1996), 312-322. (SCI, Scopus) <https://doi.org/10.1006/jmaa.1996.0143>
4. R. K Saini, Vishal and S. B. Singh, Fuzzy Version of Some Fixed Point Theorems on Expansion Type Maps in Fuzzy Metric Space, *Thai Journal of Mathematics*, (Scopus ESCI, Web of Science) Vol. 5, No. 2(2007), 245-252. <http://thaijmath.in.cmu.ac.th/index.php/thaijmath/article/view/200>
5. R. K Saini, Vishal gupta and S. B. Singh, Common Coincidence Points Of R-Weakly Commuting Fuzzy Maps, *Thai Journal of Mathematics*, Vol. 6, No. 1(2008), 109-115. (Scopus ESCI, Web of Science) <http://thaijmath.in.cmu.ac.th/index.php/thaijmath/article/view/44/348>
6. R. K. Saini, Sanjeev Kumar and Peer Mohamad, Common Fixed Point Theorem For Hybrid Pairs Of R- Weakly Commuting Maps, *Surveys in Mathematics and its Application*, Vol 5,(2010), 191-199. (ESCI, Scopus), <http://www.utgjiu.ro/math/sma>
7. Vishal Gupta, Anita and R. K. Saini, Common Fixed Point Theorem For Two Pairs Of Set Valued Mappings, *International Journal of emerging trends in engg. and development*, Issue 2, Vol. 2 , March(2012), 497-502. https://www.academia.edu/1962528/Common_Fixed_Point_Theorem_for_Two_Pairs_of_Set_Valued_Mappings
8. Vishal Gupta¹, R.K. Saini, Naveen Mani, Adesh Kumar Tripathi, Fixed Point Theorems By Using Control Function, *Cogent Mathematics*, Volume 2, Issue 1, 2015, 1-7. (ESCI, web science, Taylor & Fancies) <https://doi.org/10.1080/23311835.2015.1053173>
9. R K Saini, Atul Sangal, A Comparative Study Of Transportation Problem For Trapezoidal Fuzzy Numbers, *International Journal of Applied Engineering Research* (Scopus), Volume 10, Number 24 (2015), 44105-44111 <https://doi.org/10.1007/s10640-013-9664-9>
10. R K Saini, Atul Sangal and Om Prakash, A Modified Method For Unbalanced Transportation Problems In Fuzzy Environment By Zero Suffix Method Via Robust Ranking Technique, *Global Journal of Pure and Applied Mathematics* (Scopus 2010-2016), No. 2, 2015, 637-656. <https://www.researchgate.net/publication/283858113>
11. R K Saini, Atul Sangal and Om Prakash, Unbalanced Transportation Problems In Fuzzy Environment Using Centroid Ranking Technique, *International Journal of Computer App.* (USA), (0975 – 8887) Vol. 110 – No. 11, January 2015. [10.5120/19363-0998](https://doi.org/10.5120/19363-0998)
12. Vishal Gupta R.K. Saini and Manu Verma, Common Fixed-Point Theorem for Set-Valued Occasionally Weakly Compatible Mappings in Fuzzy Metric Spaces, *Advances in Intelligent System and Computing*, Vol. 437, (2016), 67-73. (Scopus, springer) [10.1007/978-981-10-0451-3_7](https://doi.org/10.1007/978-981-10-0451-3_7)
13. Vishal Gupta, R. K. Saini, Ashima Kanwar, Some Common Coupled Fixed Point Results On Modified Intuitionistic Fuzzy Metric Spaces, *Procedia Computer Science* 79 (2016), 32 – 40. (Scopus, ESCI, Web Science) <https://doi.org/10.1016/j.procs.2016.03.006>
14. R K Saini, Atul Sangal and Om Prakash, Fuzzy Transportation Problem with Generalized Triangular-Trapezoidal Fuzzy Number, *Advances in Intelligent Systems and Computing*, Vol.583, (2016), 723-734. (Scopus, Springer), DOI: [10.1007/978-981-10-5687-1_64](https://doi.org/10.1007/978-981-10-5687-1_64)
15. Vishal Gupta, R. K. Saini and A. Kanwar, Some Coupled Fixed Point Results On Modified Intuitionistic Fuzzy Metric Spaces and Application to Integral Type Contraction, *Iranian Journal of Fuzzy Systems*, Vol.14, No. 5, (2017), 123-137. (Scopus, SCIE), [10.22111/IJFS.2017.3436](https://doi.org/10.22111/IJFS.2017.3436)
16. R. K. Saini Naveen Mani Vishal Gupta, Modified integral type weak contraction and common fixed point theorem with an auxiliary function, *Advances in Intelligent Systems and Computing*, Vol. 742, (2018), 113-121. (Scopus, Springer), DOI: [10.1007/978-981-13-0589-4_11](https://doi.org/10.1007/978-981-13-0589-4_11)
17. Vishal Gupta, Rajesh Kumar Saini, Ashima Kanwar and Adesh Kumar Tripathi, Some new fixed point results for cyclic contraction for coupled maps on generalized fuzzy metric space, *Advances in Intelligent Systems and Computing*, Vol. 742, (2017), 493-504. (Scopus, Springer), DOI: [10.1007/978-981-13-0589-4_46](https://doi.org/10.1007/978-981-13-0589-4_46)
18. Preeti Mittal R. K. Saini Neeraj Kumar Jain, Image Enhancement using Fuzzy Logic Techniques, *Advances in Intelligent Systems and Computing*, Vol. 742, (2018), 537-546. (Scopus, Springer), [10.1007/978-981-13-0589-4_50](https://doi.org/10.1007/978-981-13-0589-4_50)
19. Neeraj Jain, Rajesh Saini Preeti Mittal A review on Traffic Monitoring System Techniques, *Advances in Intelligent Systems and Computing*, Vol. 742, (2018), 569-577. (Scopus, Springer) [10.1007/978-981-13-0589-4_53](https://doi.org/10.1007/978-981-13-0589-4_53)

20. Gupta, V., Saini, R. K. and Deep, R., Some fixed point results in G-metric space involving generalized altering distances, *Int. J. Applied Nonlinear Science*, Vol. 3, No. 1(2018), pp. 66–76. (ESCI, Web Science) [10.1504/IJANS.2018.097349](https://doi.org/10.1504/IJANS.2018.097349)
21. Vishal Gupta, R. K. Saini, and Manu Verma, Fixed point theorems for single valued α - ψ -mappings in fuzzy metric spaces, *Communication, University of Ankara Series A1 Math. and Statistics*, Vol. 68, No. 1, (2019), 392-400. (ESCI, Web Science), [DOI:10.31801/cfsuasmas.424203](https://doi.org/10.31801/cfsuasmas.424203)
22. Preeti Mittal, R. K. Saini, Neeraj Kumar Jain, A Novel Fuzzy Approach for Low Contrast Color Image Enhancement using QPSO, *IEEE*, 29 July 2019, 1-6. (Web Science) [10.1109/CCAA.2018.8777687](https://doi.org/10.1109/CCAA.2018.8777687)
23. Atul Sangal; Rajesh Kumar Saini, Fully Fuzzy Transportation Problem with Heptagonal Intuitionistic Fuzzy Number, *IEEE*, 29 July 2019, 1-6. (ESCI, Web Science) [10.1109/CCAA.2018.8777653](https://doi.org/10.1109/CCAA.2018.8777653)
24. R. K Saini, Mukesh Kushwaha, Adesh Kumar Tripathi, New Fixed Point Results in Generalized Gb-Metric Spaces, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, Vol.9 Issue3, January 2020, 1363-1365. (ESCI, Web Science) [10.35940/ijitee.B7502.019320](https://doi.org/10.35940/ijitee.B7502.019320)
25. R K Saini, Vishal Gupta, Ashima Kanwar and Jonty Jindal, Biased Maps in modified Intuitionistic Fuzzy Metric Space and common Fixed Point Results, *Advances in Intelligent Systems and Computing*, Vol. 1053, (2020), 591-597. (Scopus, Springer) [10.1007/978-981-15-0751-9_55](https://doi.org/10.1007/978-981-15-0751-9_55)
26. Vishal Gupta, Rajesh Kumar Saini and Manu Verma, Fixed point theorems by altering distance technique in complete fuzzy metric spaces, *International journal of computer aided in Engineering and Technology, (SI)*, Vol. 13, No. 4,(2020), 437-447. (Scopus, ESCI, web science) [10.1504/IJCAET.2020.110479](https://doi.org/10.1504/IJCAET.2020.110479)
27. Rajesh Kumar Saini, Atul Sangal and Manisha, Application of Single Valued Trapezoidal Neutrosophic Numbers in Transportation Problem , *Neutrosophic Sets and Systems*, Vol. 35, (2020), 563-583. (Scopus, ESCI, web science) <http://fs.unm.edu/NSS2/index.php/111/article/view/45>
28. Preeti Mittal, Rajesh Kumar Saini, Justin Varghese and Neeraj Kumar Jain, A technical review of no-reference image quality assessment algorithms for contrast distorted images, *Journal of Engg. Research*, 2021, 1-28. <https://doi.org/10.36909/jer.11885>
29. Rajesh Kumar Saini, Mukesh Kushwaha, Hybrid Fixed Point Theorems for Integral Type Implicit Relations in Hausdorff Fuzzy Metric, *Advances and Applications in Mathematical Sciences*, Volume 21, Issue 8, June 2022, Pages 4847-486 (ESCI, web of science) [DOI.org/10.1142/9789814261302_0021](https://doi.org/10.1142/9789814261302_0021)
30. Rajesh Kumar Saini, Mukesh Kushwaha "Common Fixed Point Results for Hybrid Contraction in Hausdorff Fuzzy Metric Space", *J. Math. Computer. Science*, 11 (2022), No. 12-95, 1-18. (ESCI, **Web of Science**) <https://doi.org/10.28919/jmcs/5994>
31. Rajesh Kumar Saini, Mukesh Kushwaha, Almost -Contraction in Induced Fuzzy Metric Space and Application to Fredholm Integral Equations, *Communications in Mathematics And Applications*, Vol. 13, No. 1, (2022), 1-18. (ESCI, **Web of Science**) <https://doi.org/10.26713/cma.v13i1.1685>
32. Rajesh Kumar Saini, Atul Sangal and Ashik Ahirwar, A Novel Approach by using Interval-Valued Trapezoidal Neutrosophic Numbers in Transportation Problem, *Neutrosophic Sets and Systems*, (Scopus, ESCI, web science), vol 51, (2022), 234-252. (**Scopus, Web of Science**) [DOI: 10.5281/zenodo.7135283](https://doi.org/10.5281/zenodo.7135283)
33. Chhavi Jain, R K Saini, Atul Sangal and Ashik Ahirwar, Interval-Valued Bipolar Trapezoidal Neutrosophic Number Approach in Distribution Planning Problem, *International Journal of Intelligent Systems and Applications in Engineering (IJISAE)*, (2022), 10(3), 390–402. (**Scopus, Web of Science**), <https://ijisae.org/index.php/IJISAE/article/view/2180>
34. V Gupta, A Gondhi, RK Saini , Rational-type soft fuzzy contraction in soft fuzzy metric space and solution of nonlinear integral equation, *International Journal of Modern Physics B*, 13 Feb. 2023, 1-13. (**World Scientific**) [https://doi.org/ 10.1142/S0217979224500292](https://doi.org/10.1142/S0217979224500292)
35. Preeti Mittal, Rajesh Kumar Saini & Neeraj Kumar Jain, A novel fuzzy approach for low contrast color image enhancement, *Sādhanā* volume 48, Article number: 96 (2023), 1-13. (springer) <https://doi.org/10.1007/s12046-023-02139-7>
36. R K Saini and Ashik Ahirwar, Solar Power Plant Location Selection Problem by using ELECTRE-III Method in Pythagorean Neutrosophic Programming Approach (A case study on Green Energy in India), accepted for publication in *Materials Today* (Elsevier), 2023.
37. R K Saini, Moh. Kasim and Ashik Ahirwar, Linguistic approaches in agro foods with interval complex neutrosophic sets in decision making, accepted for publication in *Materials Today* (Elsevier), 2023.
38. Neeraj Kumar Jain, Rajesh Kumar Saini & Preeti Mittal, Traffic density estimation using fuzzy logic based image processing, accepted for publication in *International Journal on Recent and Innovation Trends in Computing and Communication*, (**Scopus, Web of Science**), 2023.
39. R K Saini, Chhavi Jain, Atul Sangal and Ashik Ahirwar Neutrosophic Transportation Problems in Decision Science Using Bipolar Trapezoidal Interval-Valued Neutrosophic Numbers" accepted for possible publication in journal "Information and Optimization Sciences, August, 2023.

40. Rajesh Kumar Saini, Mukesh Kushwaha, Integral Type Contractive Condition in ε -Chainable Neutrosophic Metric Space and Common Fixed Point Theorem" accepted for publication in Journal of Interdisciplinary Mathematic, August, 2023

List of publication (Indexed refered Journals/UGC care I)

41. M. L. Mittal and Rajesh Kumar, On Matrix Summability of Fourier Series And Its Conjugate Series, *Bull. Cal. Math. Soc.*, vol. 82,(1990), 363-368.
42. M. L. Mittal and Rajesh Kumar, On A Sequence Of Fourier Coefficients, *Bull. Cal. Math. Soc.*, vol. 86(1994), 349-355.
43. R. K. Saini, M. Kumar and M. Pundir, Convergence of an Iterative Proc. in D-Metric Spaces, *ARJPS*, 6 (2003), 35-36.
44. R. K. Saini and S.S. Chauhan, Common Fixed Point Theorem For Eight Mappings, *Journal of Mathematics and System Sciences*, No.1, (2005), 7-12.
45. R. K. Saini, M. Kumar and Surjeet Chauhan, Fixed Point Theorems On Fuzzy-2 Metric Space, *Journal of Mathematical Sciences*, Vol.1 (2006), 121-134.
46. R. K. Saini, Manish Kumar and Anurag Sharma, ON Absolute Matrix Summability Of Fourier Series, *Applied Science Periodicals*, vol.2, Feb. (2007), 23-32.
47. R. K. Saini , Manish Kumar and Sanjeev Kumar, Meir-Keeler Type Common Fixed Point Theorems For Set Valued Mappings, *International Journal of Math. Sci. & Eng. Appl.* Vol. 2, II(2008), 65-73.
48. R. K. Saini, Ranbeer Singh and Mohit Kumar, Stability Of A Fixed Point Iteration Procedure, *Advances in Computer Science and Engg.* Vol. 7(2009), 15-24.
49. R. K. Saini, Akansha Jain and Vishal Gupta, Common Fixed Point Theorem for R-Weakly Commuting Fuzzy Maps Satisfying a General Contractive Condition of IT Maps, *Int. Jl. of Math. Sci. & Engg. Appl.* Vol. 2, II, 2008, 193-203.
50. R. K. Saini, S. Kumar, A. Sharma and P. Mohamad, Common Fixed Point Result With Reciprocal Continuity On Fuzzy Metric Space, *Advances in Computer Science and Engg.* Vol. 7,(2009), 25-35.
51. S.S. Chauhan and R. K. Saini, Stability Result For Multivalued Mappings Satisfying Rational Inequality, *International e-Journal of Engg. Math. Theo. and Appl.*, IEMS, Vol.(6),(2009),55-59.
52. R. K. Saini and Mohit Kumar, Common Fixed Point Theorem In Fuzzy Metric Space Using Implicit Relations, *Advances in Fuzzy Mathematics* Vol. 4,no. 2,(2009),181-192.
53. R. K. Saini, Sanjeev Kumar and Vishal Gupta, Common Fixed Point Theorem For A-Contractive And E-Expansive Maps In Uniform Space, *Journal of International Academy of Physical Sci*, Vol.13, 4(2010), 1-15.
54. R. K. Saini and A. Jain, Fixed Point Theorem In Generalized M-Fuzzy Metric Space, *International Journal of Contemporary Math and Sciences (IJCMS)*, Vol.5, No. 25(2010) , 1201-1211.
55. R. K. Saini, Integral Type Contractive Condition For Converse Commuting Maps In Uniform Space, *International Journal of Math. Analysis*, Vol. 4, no. 35(2010), 1715 – 1723.
56. R. K. Saini, Fixed Point Theorems In ε -Chainable Menger Space Using Implicit Relation, *Inter. Jl. of Cont. Math. Sci.(IJCMS)*, Vol. 5, no. 40, (2010),1951 – 1959.
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FUTURE RESEARCH PLAN

Neutrosophic Set is a Generalization of Intuitionistic Fuzzy Set and Fuzzy Set, Inconsistent Intuitionistic Fuzzy Set, In current scenario we find some applications of Pythagorean Fuzzy Set, Complex Pythagorean Fuzzy Set, Fermatine Fuzzy set, Complex Fermatine Neutrosophic Set, Atanassov's Intuitionistic Fuzzy Set of II-type, q-Rung Orthopair Fuzzy Set, Spherical Fuzzy Set, and n-HyperSpherical Fuzzy Sets etc.

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