BINOD BIHARI MAHTO KOYALANCHAL UNIVERSITY, DHANBAD, JHARKHAND – 828130.

Faculty Profile

1. Name: **DR. SHIV PRASAD**

2. Designation: **Asstt. Professor (Mathematics)**

3. Officiating Post:
   - **Head of the Department (I/C), University Department of Computer Science, BBMK University, Dhanbad. (From: 17.10.2022 till date)**
   - **Finance Officer (I/C), BBMK University, Dhanbad. (From: 24.11.2023 till date)**

4. Address for correspondence:
   Department of Mathematics, BBMK University, Dhanbad.
   Telephone: +91 9334048669
   Email: shpd1512@gmail.com
   shiv.prasad@bbmku.ac.in

5. Teaching experience: P. G.: **06 years**   U. G.: **21 years**

   College/ University: **BSK College, Maithon & KB College, Bermo (Bokaro) / University Department, BBMK University, Dhanbad.**

6. Academic record:

Degree	Div. / Class	Subject(s)	Year of Passing	% of marks	College / University
Graduate	1st Class	Mathematics (Hons.)	1985	66.3 %	Magadh Univ. Bodh Gaya.
Post-graduate	1st Class	Mathematics	1988	75.1 %	Magadh Univ. Bodh Gaya.
MPhil/MTech		Applied Mathematics	2000		ISM, Dhanbad.
Ph.D.		Applied Mathematics	2003		ISM, Dhanbad.

7. Title of the Ph.D. Thesis: **Generation and Propagation of Elastic Waves in Layered Media.**

8. Specialization at the Master's level: **Topology and Functional Analysis**.

9. Specialization at the Doctorate level: **Solid Mechanics.**

10. Research experience: **27 years**,

Place of research: **ISM, Dhanbad/ BBMK University Dhanbad.**

11. Number of Ph.D. Students already received degrees under supervision: **01 (One)**

    Number of Ph.D. students currently enrolled under supervision: **02 (Two)**

12. Certification(s):

    (a) *Certificate of Appreciation* presented for acting as the College Co-ordinator, RUSA & NAAC, K.B. College, Bermo (Bokaro) on 2nd December 2017.

    (b) *Certificate of Appreciation* presented for designing the BBMK University, Dhanbad logo on 22nd July 2021.

13. Research Profile(s):   SCOPUS ID: 58856850300

    ORCID: 0000-0002-4022-1022

Publication(s):

1. Prasad, S., & Sinha, A. (2022). Ranking Fuzzy Numbers with Unified Integral Value and Comparative Reviews. *Journal of Scientific Research*, *14*(1), 131–151. https://doi.org/10.3329/jsr.v14i1.53735

2. Prasad, S., & Sinha, A. (2022). Ranking Fuzzy Numbers based on Angles of the Reference Functions and its Applications to Multi-criteria Decision-making Problems. *Bull. Cal. Math. Soc.,* 114, (4) 489–508

3. Prasad, S., & Sinha, A. (2022). Ranking Fuzzy Numbers with Mean Value of Points and Comparative Reviews. *Journal of Scientific Research*, *14*(3), 755–771. https://doi.org/10.3329/jsr.v14i3.58133

4. Prasad, S., Sinha, A., & Sinha, S. (2023). Ordering Fuzzy Numbers with Weighted Mean Values and Their Application to Multi-Criteria Decision-Making Problem. *Journal of Scientific Research*, *15*(2), 313–333. https://doi.org/10.3329/jsr.v15i2.61319

5. Prasad, S. P., & Sinha,. S. (2023). A unified distance approach for ranking fuzzy numbers and its comparative reviews. *Journal of the Indonesian Mathematical Society*, 347–371. https://doi.org/10.22342/jims.29.3.1337.347-371

6. Prasad, S., Sinha, S., & Sen, R. G. (2024). A New Approach of Centroid based Ranking Fuzzy Numbers and its Comparative Reviews. *Communications in Mathematics and Applications*, *14*(5), 1551–1563. https://doi.org/10.26713/cma.v14i5.2286

7. Prasad, S., & Sinha, A. (2023). Solving Fully Fuzzy Linear Programming Problems with Modified Triangular Fuzzy Numbers based on a Ranking Function. *Bull. Cal.Math. Scoc.*, 115 (6) 757-780.

8. Prasad, S., & Sinha, A. (2022). Ordering Fuzzy Numbers based on Angles of the Membership Functions and Comparative Reviews- A Mathematical Approach. *Holistic Research Perspectives,* Vol.2, 10-24

9. Prasad, S. (2003). The propagation of plane shear waves in a layered medium including a fluid-saturated porous stratum. *Advances in Mathematical Statistical and Computational Methods in Science and Technology.* Vol.1(1) 51-60. ISBN - 81-7556-598-5

10. Prasad, S. (2003). On the displacement produced in an inhomogeneous anisotropic elastic half-space by an impulsive torsional load. *Advances in Mathematical Statistical and Computational Methods in Science and Technology.* Vol.1 55-60. Pragati Prakashan
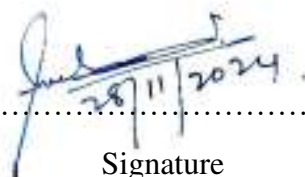
Conference(s):

1. International e-Conference on Number Theory and Differential Equations (ICND), (2021), Department of Mathematics, School of Physical Sciences, Central University of Karnataka. India. "*Ranking Trapezoidal Fuzzy Numbers based on the Angles of the Reference Functions*"

2. International Conference on Contemporary Researchers in Engineering, Science, Management & Arts (ICRESMA), (2022), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India. "*Ranking fuzzy numbers based on Angles of Reference Functions- A Mathematical Approach*"

3. International Conference on Research Innovations & Challenges (ICRIC), (2023), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India. "*Ordering Fuzzy Numbers using Radius of Gyration of Fuzziness Regions*".

4. International Conference on Research Innovations & Challenges (ICRIC), (2023), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India. "*Solving Fully Fuzzy Linear Programming Problems based on a Ranking Function*".

DECLARATION

I hereby declare that the particulars furnished by me are correct. I promise to abide by the rules and regulations of the University. I authorize the University to verify the information provided and use it for official purposes.

Date: ………**28.11.2024**……………

Place: ………**Dhanbad**…………….

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Signature