



**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,  
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[shiv.prasad@bbmku.ac.in](mailto: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      | 1 <sup>st</sup> Class | Mathematics (Hons.) | 1985            | 66.3 %     | Magadh Univ. Bodh Gaya. |
| Post-graduate | 1 <sup>st</sup> 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 2<sup>nd</sup> December 2017.

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

**13.** Research Profile(s): SCOPUS ID: [58856850300](https://scopus.org/authorid/58856850300)

ORCID: [0000-0002-4022-1022](https://orcid.org/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. Soc.*, 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):

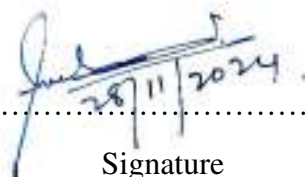
1. International e-Conference on Number Theory and Differential Equations (ICND), (2021), Department of Mathematics, School of Physical Sciences, Central University of Karnataka, India. *“Ranking Trapezoidal Fuzzy Numbers based on the Angles of the Reference Functions”*
2. International Conference on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