

Dr. Rishikesh Dutta Tiwary
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Work Experience

1. May 17, 2022 to : Assistant Professor, Department of Mathematics, Indian Institute of Information Technology Ranchi, Ranchi, Jharkhand, India.
2. October 21, 2019 to May 16, 2022 : Assistant Professor, Department of Mathematics & Statistics, Manipal University Jaipur, Jaipur – 303007, Rajasthan, India.
3. April 24, 2019 to October 18, 2019: Teaching Assistant “GPU Education Centre”, Department of Mathematics & Computing, Indian Institute of Technology (ISM) Dhanabad, Jharkhand-826004, India

CAREER OBJECTIVE

I am committed to work with dedication and sincerity for scientific and academic growth, whenever I get the opportunity to work for an organization to have a platform to learn and explore new technologies and to improve my skills.

INTERESTS & STRENGTH

My keen Interest is in the area of Celestial Mechanics. My research work is confined in the field of Orbital Mechanics. I am willing to explore my research ability and knowledge up to the various branches of Astronomy and Astrophysics and Mathematical computational in future. I think my patience and confidence are my strengths.

ACADEMIC QUALIFICATION

S.No	Name of Examination	Name of Board/University	Date/Year of passing	Class/Div.
1	Ph.D	IIT (ISM) Dhanbad	13/08/2019	Awarded
2	M.Sc (Mathematics)	Vinoba Bhave University, Hazaribag	20/02/2013	1 st
3	B.Sc Mathematics Hons	Vinoba Bhave University, Hazaribag	18/08/2010	1 st

AWARDS:

- **ISCA Best Poster Award** of The Indian Science Congress Association, Kolkata in the 104th Indian Science Congress held at Tirupati during 3-7 Jan,2017.
- **ISCA Young Scientist Award** of The Indian Science Congress Association, Kolkata in the 105th Indian Science Congress held at Manipur during 16-20 Mar 2018.

International Visit:

1. Attended the **Research Summer School on “Satellite Dynamics and Space Missions: Theory and Applications of Celestial Mechanics”** to be held at **San Martino al Cimino (VT), Italy** during August 28 - September 2, 2017.

PUBLICATIONS IN JOURNALS(International)

1. **Tiwary, R. D.**, &Kushvah, B. S. (2015). Computation of halo orbits in the photogravitational Sun-Earth system with oblateness. *Astrophysics and Space Science*, 357(1), 1-16. (**SCI I.F- 1.885**)
2. **Tiwary, R. D.**, B. S. Kushvah and B Ishwar (2018). Trajectory of Asteroid 2017 SB20 within the CRTBP. *Journal of Astrophysics and Astronomy*, 39(3)/29.(**SCI I.F-0.849**)
3. **Tiwary, R. D.**, *Srivastava V K, Kushvah B S (2018) Computation of Three Dimensional Periodic Orbits in the Sun-Earth System. Phys Astron Int J 2(1): 00052. DOI:10.15406/paij.2018.02.00052.*
4. Kar, C., Purkayastha, A., &**Tiwary, R. D.** (2021). A statistical assessment of plastic associated marine organisms found on intertidal plastic debris off the coasts of South Andaman Island of the Indian Archipelago. *Regional Studies in Marine Science*, 47, 101925. (**SCI I.F-1.624**)

PAPERS PRESENTED IN CONFERENCES (International/National)

1. Presented a research paperentitled “Geometry of Lissajous orbits in the Sun-Earth System with Radiation Pressure”, **Rishikesh Dutta Tiwary** and Badam Singh Kushvah, in the 80th Annual Conference of The Indian Mathematical Societyduring Dec. 27-30, 2014 at Indian School of Mines, Dhanbad, India.
2. Presented a paper entitled "Regularization of the restricted problem of three bodies with radiation pressure" in the International Conference on Celestial Mechanics & Astronomy December 15-17, 2015 (ICCMA-2015) at Maulana Azad National Urdu University, Hyderabad, India.
3. Presented a paper entitled "Halo Orbit in the Photo-gravitational Restricted Three Body Problem" in the National Conference On “Recent Trends in Mathematical Sciences” (NCRTMS-16) during April 12-13,2016 at M.M.M. University of Technology, Gorakhpur, India.
4. Sharma, S., Patil, H., **Tiwary, R.D.** and Mehta, R., 2023, June. Mathematical analysis for computer vision applications. In *AIP Conference Proceedings* (Vol. 2699, No. 1). AIP Publishing.

INVITED TALK / LECTURES

1. Delivered an expert lecture on LaTeX in the workshop organized by the Department of Applied Sciences & Humanities, SRGI Jhansi, held on 10th February, 2020.

Refresher Course / Faculty Development Programme

1. Attended faculty development programme on Skills And Strategies for Personal and Professional Excellence from 29th Oct 2021- 01st Nov 2021 at Manipal University Jaipur.
2. Participated in the Refresher Course on Astronomy and Astrophysics organized by Teaching Learning Centre (TLC) of IUCAA from 10th May – 11th June 2021.
3. Attended faculty development programme titled “Microsoft Teams Tool Training ” at Manipal University Jaipur during 27 July 2020 – 31 July 2020.

WORKSHOP / SUMMER TRAINING / FDP

- ❖ I have done Workshop on Mathematical Methods and Astronomy (WMMA), 2013 during 07.02.13 to 09.02.13 in ISM, Dhanbad, sponsored by IUCAA, Pune.
- ❖ I have attained Science Academy’s Lecture Workshop on Concept of Fluid Mechanics and its Applications (CFDA-2014) in ISM, Dhanbad.
- ❖ I have attained "**Workshop on High Performance Computing**", During July 29-31, 2015 in ISM, Dhanbad.

MEMBERSHIPS IN SCIENTIFIC ORGANIZATIONS

- ❖ Life member ‘**Indian Mathematical Society**’, Pune, India.
- ❖ Life member of ‘**Indian Science Congress Association**’, Kolkata, India.
- ❖ Life member ‘**Society of Applied Mathematics**’, IIT (ISM) Dhanbad, India.
- ❖ Life member of ‘**Astronomical Society of India**’.

(Rishikesh Dutta Tiwary)

Place: Ranchi