

Department of Physics,
Indian Institute of Technology Tirupati,
Renigunta Road, Settipalli post,
Tirupati - 517506, A.P., India

Phone: +91-8772503458
E-mail: rudra.manna@iittp.ac.in
URL: <http://rudra-sekhar-manna.webnode.in/>

EMPLOYMENT

- 21/03/2025–present, **Associate Professor**, Indian Institute of Technology Tirupati, India.
- 03/10/2017–20/03/2025, **Assistant Professor**, Indian Institute of Technology Tirupati, India.
- 2014–2017, **Post-doctoral Research Associate**, Augsburg University, Germany, with Prof. Dr. Philipp Gegenwart
- 2014: successful candidate of **JSPS** (Japan) fellowship
- 2012–2014, **Post-doctoral Research Associate**, Goethe University Frankfurt, Germany, with Prof. Dr. Michael Lang

EDUCATION AND DEGREES

- 10/2007–01/2012 **Ph.D.** (grade: very good), Goethe University Frankfurt, Germany

Advisor: Prof. Dr. Michael Lang

Thesis title: *Thermal expansion studies on low-dimensional frustrated quantum magnets: the case of κ -(BEDT-TTF) $_2$ Cu $_2$ (CN) $_3$ and azurite*

- 2006–2007 **Researcher**, Pohang University of Science and Technology (POSTECH), South Korea

Advisor: Prof. Dr. Kwang S. Kim

- 2006 **Junior Research Fellow**, Physics, Indian Institute of Technology Bombay (IITB), India

Advisor: Prof. Dr. K. G. Suresh

- 2004–2006 **M.Sc.** Physics, Indian Institute of Technology Bombay, India

GPA: 7.84/10.0

Advisor of master thesis: Prof. Dr. K. G. Suresh

Thesis title: *Studies on some nano magnetic materials (CoFe $_2$ O $_4$)*

- 2001–2004 **B.Sc.** Physics (honors and first class), Calcutta University, India
Marks: 69.25%, first class
-

SUPERVISED STUDENTS

1. Lipsa Pradhan, PhD thesis (*ongoing*), IIT Tirupati
2. Vineeta Yadav, PhD thesis (*ongoing*), IIT Tirupati
3. Kamani Vidyanjali Master thesis (*ongoing*), IIT Tirupati
4. Dr. Bommareddy Poojitha, NPDP (2004-20026), IIT Tirupati, joined as an assistant professor at NIT Warangal.
5. Gutta Phani Sathvik, Master thesis (2026), IIT Tirupati
6. Tapan Kumar Malik, Master thesis (2025), IIT Tirupati, pursuing PhD at IISER Trivandrum
7. Dr. Sromona Nandi, PhD thesis (2024), IIT Tirupati, pursuing post-doc in University of Jyväskylä, Finland
8. Aparna S. Sudhir, Master thesis (2024), IIT Tirupati, pursuing PhD at IISER Trivandrum
9. Vineeta Yadav, Master thesis (2023), IIT Tirupati, upgraded to PhD in our group
10. Dishari Koner, PhD thesis (2022 *discontinued*), IIT Tirupati
11. Ashwin A., Master thesis (2022), IIT Tirupati, pursuing master's in Astronomy at NTHU, Taiwan
12. Hritik Singh, Master thesis (2022), IIT Tirupati, pursuing PhD at IIT Kanpur
13. Alexander Büßer, Bachelor thesis (2009), Goethe University Frankfurt, Germany
14. Mathias Holzhauer, Bachelor thesis (2010), Goethe University Frankfurt, Germany
15. Daniel Voss, Bachelor thesis (2012), Goethe University Frankfurt, Germany
16. Frank Schnelle, Master thesis (2013), Goethe University Frankfurt, Germany
17. Carola Dietrich, Master thesis (2014), Goethe University Frankfurt, Germany

DELIVERED TALKS

total 61 (33 invited): both in national and international levels

HONORS RECEIVED AND PROFESSIONAL ACTIVITIES

1. Successful candidate of **JSPS** (Japan) fellowship in 2014.
2. **Community service: reviewer** for the Nature Portfolio (Nat. Commun.); IOP (J. Phys. Condens. Matter., Mater. Res. Express); AIP (Appl. Phys. Lett., Rev. Sci. Instrum.); Elsevier (J. Magn. Magn. Mater., J. Alloys Compd.); RSC (J. Mat. Chem. C, Dalton Trans., RSC Advances).
3. Member of the American Physical Society (APS).
4. Served as an active member of Goethe Graduate Academy (GRADE), Goethe University Frankfurt, Germany 2008-2014.

FUNDING

1. National Post-Doctoral Fellowship (NPDF) host, SERB, 27 lakhs (2024-2026).
2. Early Career Research (ECR) Award, Science and Engineering Research Board (SERB), 53 lakhs (2019-2022).
3. New Faculty Seed Grant (NFSG), 20 lakhs (2018-2021).
4. New Faculty Initiative Grant (NFIG), 5 lakhs (2017-2019).