



FACULTY PROFILE

Mangala Gowri M

Assistant Professor

Department of Physics

University College of Science

Tumkur University

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Phone : +91 99643 19950

Date of Birth : 29 March 1987

Educational Qualification

| Examination | School/ College | Board/ University | Year of passing | Percentage |
|--------------------|----------------------------|------------------------------|------------------------|-------------------|
| CSIR UGC NET | - | - | June 2010 | 57 AIR |
| M.Sc in Physics | Mangalore University | Mangalore University | 2009 | 75.25 |
| B.Sc | S.D.M College, Ujire | Mangalore University | 2007 | 88.87 |

Experience:

- One year teaching experience in Poornaprajna College, Udupi during the academic year 2009-2010.
- Worked as a lecturer in Physics in Alva's College, Moodabidri during the academic year 2010-2011.
- Currently working as an assistant professor in University College of Science, Tumkur.

Special Achievements:

- "Best Outgoing Student Award" of S.D.M College, Ujire, during the year 2007.
- "Bolanthakodi Yuva Vimarshaka Prashasthi" (Bolanthakodi Young Critic Award) by Shivarama Karantha Adhyayana Kendra, Vivekananda College, Puttur.

Workshops/ Seminars Attended:

- A one-day workshop on "Teaching- Learning" organized by Poornaprajna College, Udupi on 30th June 2009.
- UGC sponsored two day State Level seminar on "Emerging Trends in Liquid Crystals and Coordination Compounds" on 21st & 22nd August, organized by St. Philomena College, Mysore.
- Participated in a three day national conference on "Astronomy and Astrophysics" organized by Poornaprajna College, Udupi from 6th to 8th January 2011.
- Participated in the "Induction Programme for Newly Appointed Faculty of Aided Degree Colleges and Universities" organized by Karnataka State Higher Education Council, Bangalore from 20th to 22nd September, 2011.
- Participated in one day seminar on "Frontiers of Nanotechnology" organized by Karnataka State Higher Education Council, Bangalore, on 31st May, 2011.
- Participated in 5th national conference on "Ancient Science and Archaeology" organized by Tumkur University on 22nd and 23rd July, 2011.
- Participated in a three-day national seminar on "Vedanta: A Holistic Approach" jointly organized by Tumkur University and Veadanta Bharathi, Mysore, from 26th to 28th December, 2011.

- Participated in the 8th Kannada Vijnana sammelana organized by Karnataka Science Congress at Agricultural University, Dharwad, 15-17th July 2012.
- Participated in the National Conference on Chemistry of Materials organized by Tumkur University, sponsored by Council of Scientific & Industrial research, BRNS on 28th September 2011.
- Participated in the International Conference on Yoga in Education organized by Tumkur University, on 27th and 28th November 2012.
- Participated in 7th Bangalore India Nano, a three-day international conference organized by the department of IT, BT and S&T, Govt. of Karnataka, on 4-6th December 2014.
- Participated in clean-room training workshop organized by center of ART, SIT, Tumakuru on each Thursday from 18th December 2014 to 15th January 2015 for 5 days at Center of ART, SIT, Tumakuru.
- Participated in 3rd collaborators workshop organized by the centre of ART, SIT Tumkaru on 18-19th April 2015 at SDMIT, Ujire.
- Participated in UGC sponsored national conference on materials for solar cells and sensors organized by University College of Science, Tumakur university.
- Participated in UGC sponsored State level multidisciplinary workshop on Emerging Trends in Basic Sciences and Humanities organized by University College of Science, Tumakur university.
- Participated in Tumkur university sponsored national conference TAMA-2017 organized by DOSR in Physics, Tumkur University on 30/11/2017.
- Participated in Tumkur university sponsored national conference Appulse- A One Day National Conference on Astronomy and Astrophysics organized by department of Physics, University College of Science, Tumkur University on 05/02/2018.
- Participated in Mysore university sponsored International Conference on Nanomaterials and their Applications organized by Mysore University on 1-2nd March 2018.

Courses Attended:

- Attended Refresher Course in Experimental Physics organized by Indian Academy of Sciences, Indian National Science Academy, National Academy of Science of India,

held at Mangalore University Dept of Physics & Materials Sciences, Mangalore University 1st to 16th June 2009.

- Attended Orientation Courses organized by Academic Staff College, JNU, New Delhi from 2-04-2012 to 28-04-2012.
- Attended Refresher Course in Experimental Physics organized by Indian Academy of Sciences, Indian National Science Academy, National Academy of Science of India, held at IAS, Bangalore 1st to 16th May 2014.

Seminars/ Conferences Organized:

- Two day workshop on “Recent Trends in Condensed Matter Physics” on 16th and 17th September, 2011.
- One day national conference on “Chemistry of Materials” on 28th September, 2011.
- As a resource person in “Rejuvenation Workshop for Udupi District High School Science Teachers”.
- I was the convener for the conference Appulse- A One day national Conference on Astronomy and Astrophysics organized on 05/02/2018, by the department of physics, University College of Science, Tumkur university, Tumakuru, sponsored by the Tumkur University.
- I was a member for the organizing committee for the conference TAMA-2017 organized on 30/11/2017, by DOSR in Physics, Tumkur university, Tumakuru, sponsored by the Tumkur University.
- I coordinated the CPE sponsored special lecture series organized by the department of physics, University College of Science, Tumkur university on 20/07/2017.
- I coordinated the CPE sponsored special lecture series organized by the department of physics, University College of Science, Tumkur university on 27/09/2017.

Paper Presentation:

- Presented a paper titled, “Perceiving ‘Nothing’: An Analysis of the Concept of Vacuum in Vedanta and Modern Physics” in a three-day national conference on “Vedanta: A Holistic Approach” organized by Tumkur University and Vedanta Bharathi, Mysore.

- Presented a paper titled, “ಕ್ವಾಂಟಮ್ ಭೌತಶಾಸ್ತ್ರ ಹಾಗೂ ಅದ್ವೈತ ವೇದಾಂತಗಳಲ್ಲಿ ಜೈತನ್ಯದ ಪರಿಕಲ್ಪನೆ: ಒಂದು ತುಲನಾತ್ಮಕ ಅಧ್ಯಯನ” in the 8th Kannada Vijnana sammelana organized by Karnataka Science Congress at Dharawad.
- Presented a paper titled, *Sonochemically Synthesized YSO: Eu³⁺ Nano Powder for Visualization of Fingerprints*, in ICNA organized by Mysore University, on 1-2 March 2018.
- Presented a paper titled, *Sonochemical synthesis of YSO: Eu³⁺: Structural and Morphological Studies* in TAMA-2017, Tumkur University on 30 November 2017.

Publications:

Books

1. First author of “Undergraduate Physics Vol II, Electrostatics and Magnetism”. ISBN: 978-93-84262-31-0. (1st ed. 2016, 2nd ed. 2018)
2. “Undergraduate Physics Vol III, Thermal Physics, Radiation and Optics”. ISBN: 978-93-84262-42-6. (2017)
3. First author of “Undergraduate Physics Vol IV, Waves, Optics and Statistical Physics”. ISBN: 978-93-84262-45-7. (2018)
4. First editor of the book “Appulse- A Collection of Articles on Astronomy and Astrophysics” published by the Registrar, Tumkur University, ISBN 978-93-82694-53-3. (2018)

Chapters

1. Bharatada Vajnanika Hinnota: Ondu Vimarshe- Swabhimana Galike. ISBN 978-81-924513-6-7, Page 149-155 published by Tumkur University.
2. Grahanagalu, in “Appulse- A Collection of Articles on Astronomy and Astrophysics” published by the Registrar, Tumkur University, ISBN 978-93-82694-53-3 (2018) 50-61

Journals/Proceedings

1. “Perceiving ‘Nothing’: An Analysis of the Concept of Vacuum in Vedanta and Modern Physics” in a three-day national conference on “Vedanta: A Holistic Approach” organized by Tumkur University and Vedanta Bharathi, Mysore. (Page No. 65-70)

2. “ಕ್ವಾಂಟಮ್ ಭೌತಶಾಸ್ತ್ರ ಹಾಗೂ ಅದ್ವೈತ ವೇದಾಂತಗಳಲ್ಲಿ ಚೈತನ್ಯದ ಪರಿಕಲ್ಪನೆ: ಒಂದು ತುಲನಾತ್ಮಕ ಅಧ್ಯಯನ”
in the 8th Kannada Vijnana sammelana organized by Karnataka Science Congress at Dharawad. ISSN 2249-5754 VIJNANA KANNADA (PRINT). (Page No. 53-58)
3. Sonochemical Synthesis of Y₂SiO₅:Eu³⁺: Conference proceedings of Trends in Advanced Materials and their applications 2017- ISBN 978-93-82694-44-1 (Page No. 88-91)

Articles

1. Kantiya Kranti- Vijnana Loka, Karnataka Vijnana mattu tantrajana academi Sanchike Vol 8 No.6 March 2015, (Page No. 4-6).
2. Schrodingerana Bekkina Koralige Gante Kattidudu- Vijnana Loka, Karnataka Vijnana mattu tantrajana academi Sanchike Vol 7 No.3 October 2013, (Page No. 10-14).
3. Higgs Boson: Quantum Mayalokada Mayamruga- Vijnana Loka, Karnataka Vijnana mattu tantrajana academi Sanchike Vol 8 No.5 January 2015, (Page No. 33-39).
4. Nadamaya E Lokavella- Vijnana Loka, Karnataka Vijnana mattu tantrajana academi Sanchike Vol 7 No.1 June 2013, (Page No. 5-8).
5. Kambarara Mayaloka Terediduva Shivaratri- Sanchaya Kannada Sahitya, Samskruti Patrike, Sanchike 95, Nov-Dec- 2011. (Page No. 52-62).

Date: 28/04/2018

Mangala Gowri M

Tumakuru