

1. **Name:** Dr. JAGADEESH M R
2. **Designation:** Associate Professor
3. **Department:** PHYSICS



4. **Academic Background:**

| <i>Sl. No.</i> | <i>Degree</i> | <i>College/University</i>                   | <i>Department / Specialization</i> |
|----------------|---------------|---|------------------------------------|
| 1              | Ph.D.         | V. T. U. Belagavi                           | Physics/Nonlinear Optics           |
| 2              | M. Sc.        | Kuvempu University, Shankaraghatta, Shimoga | Physics/Nuclear Physics            |
| 3              | B. Sc.        | Kuvempu University, Shankaraghatta, Shimoga | Physics, Chemistry, Maths          |

5. **Contact number:** +91-9740776111
6. **Email :** jagadeeshmr@jitd.in  
jmrshyagale@gmail.com
7. **Date of joining JIT, Davanagere:** 01 / 08 / 2016
8. **Experience (in years):** 11 years

| <b>Research</b> | <b>Academic</b> |
|-----------------|-----------------|
| 06 years        | 11 Years        |

9. **Name of Ph.D. Guide and designation and address:**

Dr suresh kumar H M  
Professor & HOD  
Department of physics  
Siddaganga institute of  
technology, tumakuru

## 10. Publication Statistics:

| Type of Publication | International | National |
|---------------------|---------------|----------|
| Conferences         | 00            | 07       |
| Publications        | 07            | -        |

**Areas of interest:** *Crystallography and Nonlinear Optics*

## 11. List of Conferences / Symposiums / Summer Schools / Faculty Development

**Programs and Workshops Attended or volunteered.**

| Sl No | Name of training / workshop/Seminar   | Year/ Duration | Organizers   |
|-------|---|----------------|--|
| 1     | 'Frontier Areas of Physics'   | 2005           | Department of Physics, Kuvempu University, Funded by UGC                           |
| 2     | 'Recent trends in Electronic Instrumentation' April                           | 2006           | Dept. of Electronics, Kuvempu University.  |
| 3     | 'Einstein Contributions to Mankind'   | 2007           | SJM College, Chitradurga, Karnataka.   |
| 4     | DAE-BRNS Symposium on atomic, molecular and optical physics                   | 2009           | Board of Research in Nuclear sciences, Dept. of Atomic Energy, Government of India |
| 5     | Nuclear Energy for 21 <sup>st</sup> Century at                                | 2010           | SDMCET, Dharwad  |
| 6     | Research Methodologies and LATEX'   | 2011           | VTU e-learning centre at Mysore  |
| 7     | Preparation, characterization of Crystalline Materials and their Applications | 2012           | DRDO/Anna University   |
| 8     | Optical Engineering', (IEEE approved)   | 2012           | VTU, Belagavi  |
| 9     | Plagiarism Awareness Program  | 2015           | VTU, Belagavi  |
| 10    | Basic Rietveld Refinement   | 2017           | SIT Tumkur   |

## 12. List of Paper Presented

| Sl. No. | Title of the Paper  | Organizer                             | year   |
|---------|---|---------------------------------------|--------|
| 1       | Optical and second harmonic generation (SHG) efficiency studies in NLO crystals   | Dept. of Atomic Energy                | 2009   |
| 2       | Spectral and SHG studies in some NLO crystals   | M S University, Vadodara              | • 2009 |
| 3       | Crystal growth and characterization of a semi organic NLO material: L-Alanine Ammonium Bromide  | Anna university                       | 2015   |
| 4       | Growth, Structural, Spectral, optical and dielectric studies on L-alanine mixed barium nitrate crystals   | Bhabha Atomic Research Centre, Mumbai | 2016   |
| 5       | Growth, spectral, optical, thermal, dielectric and mechanical studies on Urea Potassium Iodide single crystal   | GSSS Mysore                           | 2016   |
| 6       | Growth and characterization of doped adp crystals for optoelectronic applications   | GM Institute of Technology, Davangere | 2017   |
| 7       | Structural characterization and Rietveld refinement of rare earth substituted nano nickel ferrite synthesized by low-temperature citrate precursor method | GM Institute of Technology, Davangere | 2017   |

### 13. List of International Publications

| Sl. No. | Name of the Authors                                 | Title of the Paper   | Name of the Journal   | Volume, Page Number & year |
|---------|---|--|---|----------------------------|
| 1       | Jagadeesh M. R, Suresh Kumar H. M. R. Ananda Kumari | Crystal growth and characterization of a new NLO crystal: Urea 2- furoic acid'                       | <i>Optik- International journal of Light and Electron Optics Elsevier Publication</i> | 126 (23), 4014-4018, 2015  |
| 2       | Jagadeesh M. R, Suresh Kumar H. M. R. Ananda Kumari | Growth and Characterization of NLO crystal - L-Leucine Phthalic acid Potassium Iodide'               | <i>Materials Science Poland- Springer Publications</i>                                | 33, 529-536, 2015          |
| 3       | Jagadeesh M. R, Suresh Kumar H. M. R. Ananda Kumari | Growth and characterization of an organic NLO crystal: L-alanine-2-furoic acid'                      | <i>Applied Science Research,</i>  | 6 (4): 188-197, 2014       |
| 4       | Jagadeesh M. R, Suresh Kumar H. M. R. Ananda Kumari | Crystal growth and characterization of a semi organic NLO material: L-Phenylalanine Cadmium Chloride | <i>Canadian Journal of Physics</i>  | 93(11): 1296-1301, 2015    |
| 5       | Jagadeesh M. R, Suresh Kumar H. M. R. Ananda Kumari | Growth and characterization of mercuric chloride doped urea single crystals'                         | <i>Materials Research Innovations, Taylor and Francis Publications</i>                | 21 (6), 391-395, 2017      |
| 6       | Suresh Kumar  | Growth,  | <i>Materials Research</i>   | 1-9, 2017                  |

|   |  |   |   |   |
|---|--|---|---|---|
|   | H.M., Jagadeesh<br>M. R  | characterization and<br>the effect of<br>$\gamma$ -irradiation on linear<br>and nonlinear optical<br>properties of<br>L-Alanine Ammonium<br>Bromide: a new<br>semiorganic crystal | <i>Innovations, Taylor<br/>and Francis<br/>Publications</i> | <a href="http://dx.doi.org/10.1080/14328917.2017.1323990">http://dx.doi.org/10.1080/14328917.2017.1323990</a> |
| 7 | Arun M. Islor, M.<br>R. Jagadeesh, H.<br>M. Suresh<br>Kumar, R.<br>Ananda Kumari,<br>Thomas Gerber,<br>Eric Hosten and<br>Richard Betz | Structure Reports on<br>N <sup>1</sup> -(4-Methylphenyl)pi<br>peridine-1,4-<br>Dicarboxamide  | <i>Acta<br/>Crystallographica E</i>                         | 68(12),<br>o3452-0345<br>2  |

#### 14. Membership of Professional bodies

*Indian Association for Physics Teachers*

#### 15. Project guidance

*10 Projects have been guided for P. G. students of Davangere University*

#### 16. Google Scholar profile URL:

<https://scholar.google.co.in/citations?hl=en&user=PaJgEyoAAAAJ>

#### 17. Research Gate Profile URL:

[https://www.researchgate.net/profile/Jagadeesh\\_Medikere](https://www.researchgate.net/profile/Jagadeesh_Medikere)