

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):** 12 years

<b>Research</b>	<b>Academic</b>
07 years	12 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, Tumkuru

## 10. Publication Statistics:

Type of Publication	International	National
Conferences	01	07
Publications	10	-

**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
8	Growth and characterization of some semiorganic crystals for optoelectronic applications	BIET Davangere	2018
9	Growth and characterization of doped L-alanine nanocrystals	Srinivasa University Manglore	2019

### 13. List of International Publications

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

	H.M., Jagadeesh M. R	characterization and the effect of $\gamma$ -irradiation on linear and nonlinear optical properties of L-Alanine Ammonium Bromide: a new semiorganic crystal	<i>Innovations, Taylor and Francis 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. R. Jagadeesh, H. M. Suresh Kumar	Structure Reports on N <sup>1</sup> -(4-Methylphenyl)pi peridine-1,4-Dicarboxamide	<i>Acta Crystallographica E</i>	68(12), 03452-03452
8	B. Suresh Kumara, H. M. Suresh Kumar M. R. Jagadeesh	Co-60 $\gamma$ -irradiation effect on linear, nonlinear optical and electrical properties of a semiorganic L-alanine barium nitrate (LABN) crystal	<i>Materials Research Innovations, 2017 Taylor &amp; Francis Group</i>	<a href="http://dx.doi.org/10.1080/14328917.2017.1323990">http://dx.doi.org/10.1080/14328917.2017.1323990</a> 2017
9	B M Praveen, B M Prasanna Jagadeesh M R	Experimental and theoretical studies on inhibition effect of the paraziquantel on mild steel	<i>Journal of Bio and Tribo Corrosion</i>	4:21 2198-4239 June 2018
10	Y A Kulakarni, Jagadeesh M R	AC Conductivity and Dielectric Properties of In-situ Prepared Nanostructured Polypyrrole/Manganese Oxide composite	<i>Materials Research Express</i>	Under Review

#### 14. Research Guidance:

Guiding students for their PhD Degree under VTU, Belagavi

## **15. Invited Talk**

- 1. On “Materials Characterization” at Bapuji Institute of Technology, Davangere on 22-02-2017.**
- 2. Delivered a Lecture on Geo Physics and Ground Water Organized by Department of Ground water, Government of Karnataka**
- 3. Addressed the Diploma Students on National Science day and given a lecture on Contributions of C V Raman to Mankind**

## **16. Membership of Professional bodies**

- 1. Indian Association for Physics Teachers [Life member]***
- 2. Karnataka Rajya Vignana Parishad (KRVP) [Life member]***
- 3. ISTE-Life membership***
- 4. Institution of Scholars – Life member***

## **17. Project guidance**

*More than ten projects have been guided for P. G. students of Davangere University*

## **18. Google Scholar profile URL:**

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

## **19. Research Gate Profile URL:**

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