

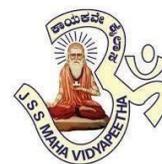


JSS Mahavidyapeetha

**JSS Academy of Technical Education**

Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060

www.Jssateb.ac.in



## FACULTY PROFILE

Department: Physics

### 1. Personal Details

NAME	Dr.Sushma KC	
DEPARTMENT	Physics	
DESIGNATION	Assistant Professor	
PHONE	+91-9972521310	
EMAIL ID	<a href="mailto:sushmakc@jssateb.ac.in">sushmakc@jssateb.ac.in</a>	
Date of Joining (JSSATEB)	29.08.2018	

### 2. Experience

Total Experience in Years	Teaching: 15 Years	Industry: Nil	Research: 3 Years
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### 3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Sc.	Physics Maths Computerscience	2005	GFGC , Tumkur	Bangalore University
M.Sc.	Condensed Matter Physics	2007	Bangalore University	Bangalore University
Ph.D.	Condensed Matter Physics	2024	SSAHE , Tumkur	SSAHE , Tumkur
Post Doc.	---			

### 4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 02	National: 00
Papers Published in SCOPUS indexed Journals	International: 02	National: 00
Papers Published in other Journals	International: 00	National: 00
Papers Presented in Conferences / Symposium	International: 02	National: 00
Books / Book chapters Published	Name of the book: Publisher: Year of Publication:	

## 5. Research Guidance

PhD Guide? Give field & University		University:
PhDs / Projects Guided	Nil	Projects at Master's Level: Nil Projects at Bachelor's Level: Nil

## 6. Grants

- i. Funds Received (Projects) : Nil
- ii. Patents: Nil
- iii. Consultancy: Nil

## 7. Awards Received: Nil

## 8. Publications

### i. International Journals: 02

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Color tunable SrZrO <sub>3</sub> :Sm <sup>3+</sup> nanopowders with satisfactory photoluminescent, band engineering properties for warm white LEDs and advanced forensic applications	KC Sushma MS Rudresha RB Basavaraj	Journal of Molecular structure	1254(2022)1 32302	Both	4.0	Elsevier
2	Efficient red-emitting SrZrO <sub>3</sub> :Eu <sup>3+</sup> phosphor superstructures for display device applications	KC Sushma RB Basavaraj DP Aarti MS Rudresha	Journal of Molecular structure	1283(2023)1 35192	Both	4.0	Elsevier

### ii. Conferences:

### iii. Workshops / Conferences Attended

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	International Conference on Advances in Materials, Ceramics & Engineering Sciences	Dayananda Sagar College of Engineering, Bangalore	17-18 <sup>th</sup> January 2020
2	3 <sup>rd</sup> International conference on Global trends in Sustainable Technology and its applications in Applied Sciences	School of Applied Sciences Reva University	30-31 <sup>st</sup> October 2023
3	Workshop on Artificial Intelligence awareness in Physics	Indian Association of Physics Teachers	15-20 <sup>th</sup> February 2024
4	International Conference on Sustainable Energy and Environmental Technologies 2025(ICSEET-2025)	Reva University	11-13 <sup>th</sup> December 2025

### iv. Workshops / Conference (Organised): Nil

v. Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	FDP on Quantum Frontiers-Materials,Modelling and Computing	Ramaiah Institute of Technology, Bangalore	8-12 <sup>th</sup> September 2025
2	FDP on Hybrid Materials for multifunctional applications	Department of Physics, BMS Institute of Technology and Management, Bengaluru, Karnataka	11-15 October 2022
3	FDP on Recent developments in Material science and Radiation Technology	Vidyavardhaka College of Engineering , Mysuru	8-10 July 2020
4	FDP on Trends of Research to Unravel Science and Technology	Acharya Institute of Technology Bangalore	03-07 February 2020
5	FDP on "Smart Materials and Their Emerging Technologies (SMET-2019)	Department of Physics, BMS Institute of Technology and Management, Bengaluru, Karnataka	26-31 <sup>st</sup> July 2019

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Optical Sensors	NPTEL	January 2020	79%
2	Solar Photovoltaics Fundamentals, Technology and Applications	NPTEL	December 2020	60%

10. Membership of Professional Bodies: Nil

11. Any other information you will like to share about your professional experience

**Dr. Sushma KC**  
**Assistant Professor of Physics**  
**JSS Academy of Technical Education**  
**Bangalore 560060**