

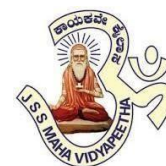


JSS Mahavidyapeetha

JSS Academy of Technical Education

Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060


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FACULTY PROFILE

Department: Engineering Physics

1. Personal Details

NAME	Sushma KC	
DEPARTMENT	Physics	
DESIGNATION	Assistant Professor	
PHONE	+91-9972521310	
EMAIL ID	sushmakc@jssateb.ac.in	
Date of Joining (JSSATEB)	29.08.2018	

2. Experience

Total Experience in Years	Teaching: 12 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	Persuing	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 ₃ :Sm ³⁺ 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 ₃ :Eu ³⁺ 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 th January 2020
2	3 rd International conference on Global trends in Sustainable Technology and its applications in Applied Sciences	School of Applied Sciences Reva University	30-31 st October 2023
3	Workshop on Artificial Intelligence awareness in Physics	Indian Association of Physics Teachers	15-20 th February 2024

iv. Workshops / Conference (Orgained): 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 Hybrid Materials for multifunctional applications	Department of Physics, BMS Institute of Technology and Management, Bengaluru, Karnataka	11-15 October 2022
2	FDP on Recent developments in Material science and Radiation Technology	Vidyavardhaka College of Engineering , Mysuru	8-10 July 2020
3	FDP on Trends of Research to Unravel Science and Technology	Acharya Institute of Technology Bangalore	03-07 February 2020
4	FDP on "Smart Materials and Their Emerging Technologies (SMET-2019)	Department of Physics, BMS Institute of Technology and Management, Bengaluru, Karnataka	26-31 st 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

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