

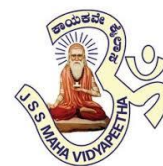


JSS Mahavidyapeetha

JSS Academy of Technical Education

Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060

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FACULTY PROFILE

Department: Chemistry

1. Personal Details

NAME	Dr. Puneetha J	
DEPARTMENT	Chemistry	
DESIGNATION	Assistant Professor	
PHONE	9964548937	
EMAIL ID	puneethaj@jssateb.ac.in	
Date of Joining (JSSATEB)	26-12-2011	

2. Experience

Total Experience in Years	Teaching: 16 Years	Industry: Nil	Research: 11 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Sc.	CBZ	2007	Sahyadri Science College	Kuvempu University, Shivamogga, Karnataka
M.Sc.	Industrial Chemistry	2009	Jnanasahyadri, Shankaraghatta	Kuvempu University, Shivamogga, Karnataka
Ph.D.	Nanomaterials	2023	RIT, Bengaluru	VTU

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 04	National: Nil
Papers Published in SCOPUS indexed Journals	International: 02	National: Nil
Papers Published in other Journals	International: Nil	National: 01
Papers Presented in Conferences / Symposium	International: 05	National: 03
Books / Book chapters Published	Name of the book: Novel Nanostructured Materials for Electrochemical Bio-Sensing Applications _Book chapter titled "Modern trends in carbon nanostructured material-based electrochemical biosensing systems" in Publisher: Elsevier Year of Publication: 2024	

	Name of the book: Advanced water treatment technologies: Chemistry, Nanomaterials and sustainable solutions Publisher: Cosmos Scientific Publications Year of Publication: 2026
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5. Research Guidance Nil

6. Grants Nil

i. Funds Received (Projects): Nil

ii. Patents: Nil

iii. Consultancy: Nil

7. Awards Received: Nil

8. Publications

i. International Journals

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	Recent Overview on Electrochemical Analysis of Toxic Organic Dyes Using Advanced High-Entropy Alloys and Carbon-Based Composite Materials	Shashanka Rajendrachari (C) Puneetha J Vinaykumar R Rayappa Shrinivas Mahale Santhy A Hareesha Nagarajappa	Journal of the Electrochemical Society	Volume 173 Number 05 7503, 2026	Yes	3.5	IOP
2	Pharmacophore-based high-throughput virtual screening (HTVS) to identify new c-Src kinase inhibitors with anticancer potential	AliM. Alaseem , Summya Rashid , J. Puneetha , M. Arockia Babu , Glowia Alasiri , Thakur Gurjeet Singh , Yogita Tyagi , Mohammad Suhail Akhter , Anand Mohan Singh , Nisha Bansal	Bioorganic & Medicinal Chemistry	Volume 132, 1 January 2026, 118451 Available online 25 October 2025	Yes	3.0	Elsevier
3	Efficient Removal of Crystal Violet Dye Using Visible-Light-Active Mixed Phase Titanium Dioxide Nanoparticles: Synthesis, Degradation Kinetics, and Reusability Assessment	J Puneetha , Nagaraju Kottam Shashanka Rajendrachari S, Swarna, Sagar Jalahalli Shivaram, Malinee Sriariyanun	Topics in Catalysis	1-25 2025	Yes	3.0	Springer Nature
4	Electrochemical analysis of L-Tyrosine sensor using ball-milled duplex stainless steel alloy powder	Shashanka Rajendrachari, Rayappa Shrinivas Mahale, Ramya Ramkumar, J Puneetha , Gururaj Kudur Jayaprakash, Hareesha Nagarajappa	Inorganic Chemistry Communications	2025	Yes	5.4	Elsevier

5	Cocos nucifera mediated green synthesis and characterization of BiOCl Fe ₂ O ₃ nanocomposite for photocatalytic dye degradation and electrochemical sensing of dopamine, Sustainable Chemistry for the Environment	A.S. Manjunatha, P.R. Prakruthi, J. Puneetha, M. Shashank, G. Nagaraju	Sustainable Chemistry for the Environment	Volume 7, 2024, 100138, ISSN 2949-8392	Yes	-	Elsevier
6	Adsorption and Biological Evaluation on the Malachite green dye using CuO-ZnO Nanoparticles	Lubna Afroz, Moodgere Habeebulla Moinuddin Khan, B Roopashree, J Puneetha, Basavaraja Patel	Letter in Applied NanoBioscience	Volume 14, Issue 1, 40 2024	Yes	-	-
7	Investigation of photocatalytic degradation of crystal violet and its correlation with bandgap in ZnO and ZnO/GO nanohybrid	Puneetha J, Nagaraju Kottam Rathna A	Inorganic Chemistry Communications	125 (2021) 108460	Both	5.4	Elsevier
8	Visible light active ZnO nanostructures prepared by simple co-precipitation method	Puneetha J Nagaraju Kottam, Nagaraju G, Rathna A	Photonics and Nanostructures - Fundamental s and Applications	Volume : 29, Month & Year: Available online 14 February 2020, May 2020, 100781	Both	3.008	Elsevier

ii. National Journals Nil

iii. Conferences

Sl. No	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	Identification of novel c-Src kinase inhibitors with anticancer potential using pharmacophore-based high-throughput virtual screening	Puneetha J, M. Arockia Babu	SMARTCHEM2 026, Convergence of Health Care, Artificial Intelligence, Nanomaterials and Sustainability Chains 15/01/2026 - 17/01/2026	Poster Presentation	-	-	St. Joseph University, Bengaluru
3	Sustainable Fabrication of TiO ₂ -GO Nanocomposites	Puneetha J	1st International Conference on Materials for	Page 3	-	-	Chandigarh University, Mohali

	for Efficient Degradation of Organic Dye		Next-Generation Technologies (ICMNT-2025) July 10-11,2025				
4	Coconut Milk-Mediated Synthesis of BiOCl-Fe ₂ O ₃ for Dye Degradation and Dopamine Sensing	J. Puneetha, A.S. Manjunath	THIRD INTERNATIONAL CONFERENCE ON ADVANCED NANOMATERIALS FOR ENERGY, ENVIRONMENT AND HEALTHCARE (ANEH- 2024) 21/08/2024-23/08/2024	Page no.305	-	-	Heriot-Watt University, United Kingdom GTN Arts College (Autonomous), Dindigul, Tamil Nadu, & ANEH Scientific Foundation, Tamil Nadu, India
5	Effect of Mixed-phase TiO ₂ nanoparticles on the photodegradation of crystal violet dye.	Puneetha J, Shashank Rajendrachari	7th International Conference on Nanoscience and Nanotechnology (ICONN-2023)- Department of Physics and Nanotechnology	CP-1327_Puneetha J	-	-	SRM IST, India during March 27-29, 2023
6	Green synthesis of RGO based nanoparticles and composites for photocatalytic applications: A review	Puneetha J, Nagaraju Kottam, Rathna.A	First International Conference on Technologies for Smart Green Connected Society 29th -30th November 2021	-	-	-	SPAST
7	Photocatalytic degradation of anionic and cationic dye using ZnO-GO nanocomposite.	Puneetha J, Nagaraju Kottam, Rathna.A	1 st International conference on "Accelerating Innovations in Material Science" (AIMS – 2020) August 4-7, 2020	IC-03 Page no.184 Abstract Book	-	-	BMSI&M,Bengaluru
8	Study of photodegradation of Crystal violet dye at different pH by using visible light active ZnO nanostructure	Puneetha J, Nagaraju Kottam, Rathna.A	International conference on Emerging trends in catalysis (ETC-2020) 6 th -8 th January 2020	Pp050, Page no. 57, ICET2020 Book Proceedings	-	-	School of Advanced Science, VIT & Royal Society of chemistry, UK
9	A review of Recent progress in heterogeneous photocatalytic degradation of dyes using visible-light-driven photocatalysts	Puneetha J, Nagaraju Kottam, Rathna.A	International Conference on Innovations and Challenges in Science and	ICICST-233 Souvenir Book	-	-	Donbosco Institute of Technology, Bengaluru

			Technology (ICICST-2019) 19 th -23 th December 2019	Page no.37			
10	Graphene oxide and its application as an adsorbent for the Crystal violet dye	Puneetha J, Nagaraju Kottam, Rathna.A	National conference on "Science and Technology: Rural Development – 2019" (NCSTRD) 17 th – 18 th October 2019	PP-027,Page no.57			Vijnana Bhavan, Mansagangotri, University of Mysore
11	Enhance visible light photo catalytic activity of ZnO assisted by hydrogen peroxide	Puneetha J, Nagaraju Kottam, Rathna.A	5 th International Conference on Nanoscience and Nanotechnology ICONN 2019 from 28 th -30 th January 2019	Poster presentation, CP272, Abstract no: 2332	-	-	Department of Physics and Nanotechnology, SRMIT, Tamil Nadu
12	Synthesis of TiO ₂ by Co-Precipitation Method for the degradation of Trypan Blue & Methyl Orange	Puneetha J, Patil SB, Nagaraju Kottam, Nagaraju G, Rathna A	2 nd National Conference On "Biotechnological Solutions For Sustainable Environmental Management" held on 15-02-2018	PP-36, Article 19 in conference proceedings ISBN: 978-93-82694-49-6	-	-	Department of studies and Research in Environment Science, Tumkur University, Tumkur
13	"Synthesis, Characterization and Biological activities of Benzoxazole derivatives"	Puneetha J, Arun Shinde, Ashwini M P, Kishore, Dr. H M Vagdevi	Emerging trends in medicinal chemistry and drug designing- March 2009	Poster presentation	-	-	P.G. Department of Medicinal Chemistry, SDM College, Ujire

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	AMEEBA-2026: Advanced Materials for Energy, Environment and Biomedical Applications chaired the session	JSSATEB	22/05/2026 - 23/05/2026
2	12 Days (Online) Refresher Course on Materials Science and Nanotechnology	UGC-Malaviya Mission Teacher Training Centre (UGC-MMTTC), Central University of Kerala	09/02/2026 - 21/02/2026
3	Faculty Development Programme on Applied Chemistry Subject (2025)	East Point College of Engineering & Technology, Bengaluru and Visvesvaraya Technology University, Belagavi	30.08.2025
4	Faculty Development Programme on Modern Characterization Techniques for molecular materials	Malaviya Mission Teacher Training Programme held at the Indian Institute for Science Education and Research Bhopal	17.02.2025-22.02.2025

5	7 Days FDP on Innovations in Sustainable Chemical Biochemical Technologies for Industrial Applications (ISCBTIA-2025)	DSCE, Bangalore	04.02.2025 -10.02.2025
6	Two-week online Refresher Course on "Materials for Energy and Sustainability"	MMTTC, CS ² -IISERB	04.11.2024-18.11.2024
7	One-Week Online Faculty Development Programme (FDP) on "Artificial Intelligence in Practice"	Malaviya Mission Teacher Training Centre (MMTTC), IISER Bhopal.	27.09.2024 to 04.10.2024
8	Flagship Event PRAYOJAN 2024: Research, Academia, and Industry Opportunities, Science Journalism, Grant Writing and Networking	Indian National Young Academy of Science (INYNAS)	27.04.2024 to 28.04.2024
9	10-day Online Workshop on "AI-assisted Manuscript Writing" from	Team Sowmis_AWW	02.01.2024 to 12.01.2024
10	2nd International FDP on Advanced Functional Materials: Energy, Environment and Sustainable Development	Department of Chemistry, SRM TRP Engineering College, Tiruchirappalli, Tamil Nadu	26.02.2024 to 05.03.2024
11	Online Faculty Development Programme on Advances in Materials Chemistry	Department of Chemistry, School of Engineering, Presidency University, Bengaluru	17.07.2023- 21.07.2023
12	5 days 'International Faculty Development Program on Functional Materials and Devices: Energy, Environment and Sustainable Development	Department of Physics, Presidency University	10.07.2023 to 14.07.2023
13	5 Days online workshop on Advance Functional Materials for Science & Engineering (AFMSC)	Department of Chemistry, Don Bosco Institute of Technology, Bengaluru.	15.05.2023 to 19.05.2023
14	6 Days Hands-on Training on Elemental Analysis	Department of Physics, PSMO College, Tirunagadi, Kerala	26.04.2023 to 01.05.2023
15	International Faculty Development Programme on Advanced Functional Materials: Energy, Environment and Sustainable Development	Department of Physics, SRM TRP Engineering College, Tiruchirappalli, Tamilnadu, India.	28.02.2023 to 09.03.2023
16	RESEARCH TRAINING	MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC), Ministry of Micro, Small & Medium Enterprises, Foundry Nagar, Agra-282 006 (U.P.)	17.01.2022 to 17.02.2022
17	5 Day National Level FDP on Materials of Material synthesis	Bhavan's Vivekananda college of Science, Humanities & Commerce	18/01/2022 to 22/01/2022
18	AICTE training and learning academy Elementary online FDP on Developing effective research skills	PES college of Engineering	09/08/2021 to 13/08/2021
19	AICTE training and learning academy Elementary online FDP on Enhancing Personal Effectiveness in the Workplace	P.A.C. Ramasamy Raja Polytechnic College.	26/07/2021 to 30/07/2021
20	AICTE training and learning academy Elementary online FDP on Novel materials	Indian Institute of Technology, Bhilai	5/7/2021 to 9/7/2021
21	Current Status of Li ion Battery Technology	Department of Chemistry, DBIT	5-06 2021
22	Two days National webinar "Nano and Soft Materials for Societal Needs"	Royal Society of Chemistry (UK)-Deccan Section Centre for Nano and Soft Matter Sciences , Bengaluru KLE Society's P. C. Jabin Science College (AUTONOMOUS), Hubballi	5-8-2021 to 6-8-2021
23	one week national on Advanced Opportunities and Implicit Research Technologies in Sciences	Institute of Science & Research, IPS Academy, Indore	7-06-2021 to 12-06-2021

24	5 Days online FDP on Research skills and techniques, organized by school of applied sciences, Department of physics, Reva University	school of applied sciences, Department of physics, Reva University	24-05-2021 to 28-05-2021
25	International webinar on "Green Technology: Role of Chemistry and Catalysis for the Advancement of Sustainable Society"	School of Applied science, Department of Chemistry, Reva University	24th May 2021
26	5-Day FDP on Accelerating Innovations in Material Science - Surface Characterization	Department of Chemistry, BMS Institute of Technology & Management, Bengaluru, India	Online from 18-05-2021 to 22-05-2021
27	15 days FDP on Opportunities and challenges in Entrepreneurship	STEP, JSSATE, Bengaluru in association with department of ECE & EIE, JSSATEB	Offline 15-03-2021 to 27-03-2021
28	Three Days Workshop on "Building Research Eco-System"	Department of Mechanical Engineering, JSS Academy of Technical Education, Bengaluru	Offline 02-03-2021 to 04-03-2021
29	One week FDP on Functional materials for Engineering Applications sponsored by centre of excellence tequip-III	BMSCE, Bengaluru	Online from 15-02-2021 to 19-02-2021
30	15 days online Short term course on "Nanomaterials: Synthesis, Characterization and Applications"	Department of Biotechnology and Department of Chemistry, Ramaiah Institute of Technology, Bengaluru-560054	01-12-2020 to 16-12-2020.
31	Recent trends in material science	Department of chemistry, Sapthagiri College of Engineering, Bengaluru	2-11-2020 to 6-11-2020
32	Online – International Workshop on X-ray Diffraction Analysis	SIT, Tumkur	16 Oct 2020 - 20 Nov 2020
33	Scientific Writing For Journals	Springer Nature in collaboration with VTU consortium	30-09-2020
34	Powder X-Ray Diffraction: A powerful tool for the characterization of nanomaterials	Department of chemistry, Sai vidya Institute of Technology, Bengaluru	8-7-2020
35	Webinar on Chemistry and Biology of Natural products	CSIR-NEIST, Jorhat, Assam, India	24-25 July 2020
36	"Experimental Data Analysis and Interpretations (Part-1) : PXRD and SEM"	Department of Physics, Sai Vidya Institute of Technology, Bengaluru	19 th October 2020.
37	Insights on writing an impactful manuscript and navigating through peer review process	Vemana Institute of Technology	9-7-2020
38	CSIR-SUMMER RESEARCH TRAINING PROGRAMME-2020 (online)	CSIR-NEIST, Jorhat	22 Jul 2020 To 31 Aug 2020
39	Recent Advances in Smart Materials for Sensors and Energy Applications	BMSIT&M, Bengaluru	6 Jul 2020 To 10 July 2020
40	Engendering the next generation educators	Tamil Nadu	23 Apr 2020-28 Apr 2020
41	National workshop on developing teacher's e kit	MHRD, Delhi, India	27-04-2020
42	ICT enabled higher education in India challenges an opportunities	MHRD, Delhi, India	13 Apr 2020
43	Development Higher education in India	MHRD, Delhi, India	9 Apr 2020
44	International Conference on Emerging trends in catalysis (ETC-2020)	School of Advanced Science, VIT & Royal Society of Chemistry, UK	6 th -8 th January 2020
45	One day workshop on "New Model Curriculum for First year BE/B.Tech-CBCS Detailed	BIT, Bengaluru	7 th May 2018

	syllabus (2018-19) as per Outcome-Based Education (OBE) format including Course Outcomes (CO) and Bloom's Taxonomy" under TEQIP-1.3 for the course CHEMISTRY under Basic Science Board		
46	Workshop on Metal finishing Technologies & Electroplating-2018	The Electrochemical Society of India and Dept. of Inorganic and Physical Chemistry, IISC, Bengaluru	1 st and 2 nd February 2018
47	FDP on "Industry -academia interaction in Research and Development opportunities and challenges (IAIRD-2017)"	MSRIT, Bengaluru	16 th – 21 st January 2017
48	Workshop on Research Methodology and Latex	Mangalore Institute of Technology and Engineering, Moodbidri organized by VTU e-learning centre, Mysuru	19-21 July 2016
49	FDP on Recent advances in Materials Design and Characterization (RAMDC-2016)	MSRIT, Bengaluru	11-13 January 2016
50	Soft Skills workshop	JSSATE, Bengaluru	27/12/2014 to 2/1/2014
51	Tips to Research Scholars	Dept of chemistry, MSRIT, Bengaluru	20 July 2014
52	X-Ray Crystallography	Dept of chemistry, MSRIT, Bengaluru	1-2 July 2014
53	National conference on "Recent trends in chemical research"	SJCE, Mysore	3-4 January 2014
54	Quality Enhancement of Engineering Education	IEM Dept, JSSATE, Bengaluru	7 th August 2013
55	National workshop Effective teaching skills and instructional strategies for college teachers.	Christ University, Bengaluru.	18-21 July 2013
56	VTU-VGST Faculty Development Programme on "Recent trends in Applied chemistry and Nano-Technology"	Chemistry Dept, JSSATE, Bengaluru	26-30 March 2012
57	National Science day	JSSATE, Bengaluru	28 th Feb 2011
58	Chemistry and Molecular Nanotechnology for Industry and Society	Department of Industrial Chemistry, Kuvempu University, Shankaraghatta, Shimoga	16-17 th January 2009
59	Emerging trends in medicinal chemistry and drug designing-March 2009	P.G. Department of Medicinal Chemistry, SDM College, Ujire	March 2009
60	National Seminar On Nanotechnology- Past, Present & Future	Department of Chemistry, Kuvempu University, Shankaraghatta, Shimoga	04-04-2008

v. Workshops / Conference (Organized) Nil

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

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Nanotechnology in Chemical Engineering	SWAYAM	Aug-Oct 2025	Elite/81 %
2	Annual refresher course in chemistry ARPIT 2019	SWAYAM	16 Feb 2020	73.66%
3	Research for impact from Coursera	University of Cape Town & Oxfam	21 July 2020	91.57%
4	AICTE Approved FDP Metals in Biology- NPTEL	AICTE, MHRD	Oct 7, 2019	80%

10. Membership of Professional Bodies:

1. Life Membership in Luminescence Society of India: Karnataka Centre (LSIKC)
2. IEEE Membership for 1 Year, Member # 102312269
Bangalore Section

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

Actively Participating in the many training programs. Reviewer for peer reviewed journals like chemical papers of Springer Nature, Journal on Materials and its Characterization, Building Materials and Engineering Structures, Journal on Applied and Chemical Physics of Rest publishers, Evaluator for Hackathons.

The following are the profile links

Linkd link : <https://www.linkedin.com/in/puneetha-j-a0936516b/>
Academia edu Link : <https://jssateb.academia.edu/PuneethaJ>
Research gate Link : https://www.researchgate.net/profile/Puneetha_Jb
Publon Link : <https://publons.com/researcher/1632013/puneetha-j-kotegera-family/>
Orcid Link : <https://orcid.org/0000-0001-8633-237X>
Scopus id Link : <https://www.scopus.com/authid/detail.uri?authorId=57215084856>
Google Scholar Link : <https://scholar.google.com/citations?hl=en&user=-1dkZTsAAAAJ>

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