

JSS Mahavidyapeetha
JSS College for Women (Autonomous)
Saraswathipuram, Mysuru-09
P.G Department of Chemistry

ABOUT THE DEPARTMENT

The Post Graduate Department was set up in 2016 to offer M.Sc. in Chemistry. The PG department has experienced and qualified faculties. Laboratories have suitable equipment for both higher studies and Research. The department has access to Central Library with INFLIBNET facility. The department organizes Seminars, conferences and workshops on current topics and it has MoU with Research Institutes and Industries. **Department is recognized as Research Centre from University of Mysore, at present three research scholars are working for doctoral degree.**

Courses Offered: M Sc Chemistry

Details of Staff				
Sl. No	Name	Qualification	Designation	Experience in years
1.	Dr. E. Vijaya Sekhar	M.Sc., Ph.D.	Assistant Professor	16
2.	Dr. S. Subramanya Raj Urs	M.Sc., Ph.D.	Assistant professor	26
3.	Dr. Dukanya	M.Sc., Ph.D.	Assistant professor	04
4.	Sowmya K.N	M.Sc., KSET	Assistant professor	06

Admissions:

Course	2025-2026		
	I M.Sc.	II M.Sc.	Total
M.Sc.	18	18	36

	Results %					
Course		2024-2025 (Admitted)			2025-2026 (Admitted)	
	I Sem	II Sem	III Sem	IV SEM	I Sem	II Sem
M.Sc.	100	89	100	100	100	100

1. Faculty development program Organized

Sl. No.	FDP Topic	Session Details	TOPIC
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	One Day State Level FDP on “ Research Methodology and Ethical Issues for Emerging Researchers in Science”	Session I: Dr. D S Guru Senior Professor DoS in Computer Science, University of Mysore Session II: Dr. M V S T Subbarao Professor Department of Biochemistry JSS Academy of Higher Education and Research Mysuru Session III: Dr. S P Muthukumar Chief Scientist and Professor Department of Biochemistry CSIR-CFTRI, Mysuru Session IV: Dr. Sujeet Kumar Professor &HOD Department	Research? “ Introduction to Literature Review and Scientific Writing” “ Ethical Issues in Research Planning and Publications” “ Research Process, Tools and Techniques in Research”
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2. **Research Publications:**

SL.No	Title of the paper	Name of the Author/s	Name of the Journal	Year of Publication	ISBN/ISSN number
01	Synthesis, Characterization, and Photocatalytic Applications of ZnO-Fe ₂ O ₃ /PV A Nanocomposite	E. Vijaya Sekhar	Letters in applied nano Bioscience	2025	Volume 14, Issue 1, 2025, 45 https://doi.org/10.33263/LIANBS141.045
02	Heterogeneous Photocatalysis in Electro-Fenton and Photo-Electro-Fenton process using Fe ⁰ Catalyst under the Influence of different Applied Potentials	E.Vijaya Sekhar	JSSCWM QUEST	2025	<u>Volume 08</u> <u>Issue 2</u> <u>2321-0052</u>
03	Synthetic Routes and Functional Applications of 2-Amino-1,3, 4-Thiadiazole Derivatives: A Comprehensive Review	Dukanya	JSSCWM QUEST	2025	<u>Volume 08</u> <u>Issue 2</u> <u>2321-0052</u>

04	Crystal-Guided Computational Profiling of Dichlorophenyl-Piperazine Ligands as JNK3 Binders: Hydrophobic Interaction-Driven Design for Neurodegenerative Therapy..	Dukanya	Journal of Molecular Structure	2025	1351. 144361. 10.1016/j.molstruc.2025.144361.
05	Synthesis, isolation and Characterization of Potential Impurity in Metoprolol Tartrate	Subramanya Raj Urs	JSSCWM QUEST	2025	<u>Volume 08</u> <u>Issue 1</u> <u>2321-0052</u>
06	Synthesis, Spectral and Biological Studies on the metal complexes of N' -(Furan-2-yl-methylidene)-pyridine-4-carbohydrazide	Sowmya K. N and E.Vijaya Sekhar	JSSCWM QUEST	2025	<u>Volume 08</u> <u>Issue 1</u> <u>2321-0052</u>

3.

Pepper Presented

SI No	Title of the Paper	Name of the Faculty	Seminar/Conference	Organizing Institution	Date

01	Synthesis Characterization and Biological Evaluation of Pyridine -4 carbohydrazide Schiff Base Metal Complexes	Dr. E Vijaya Sekhar	Two Day International Conference on NCIMM - 2025	University of Mysore	28 th to 29 th May 2025
02	Studies on the metal complexes of 4-((furan-2-ylme thylene) amino) benzene sulfonamide	Dr. E Vijaya Sekhar	International conference CIC AS-2026	Bangalore University	February 5 th and 6 th 2026
03	Synthesis Characterization of Samarium Oxide Nano Particles using Neem Leaf extract and their applications	Mrs. Sowmya KN	One Day International Conference on Bridging Chemistry and Food : An integrated approach for Sustainable society	JSS Science and Technology University, SJCE, Mysuru	18 th Feb 2026

4. Conferences/Seminars/Webinars attended

Sl. No	Name of the faculty	Topic	Venue	Date
01	Sowmya K.N.	National level virtual FDP on “ Interdisciplinary Approaches in Chemical Science.”	Teresian college Mysuru	15 th to 21 st September 2025

02		2days national level conference on” Advances in Chemistry and Chemical Biology”	University of Mysore	28 th to 29 th November 2025
03		One week FDP (online) on” Roles of Chemical science Towards Sustainable Development FOR Viksit harat”	Rani Chenaamma University, Belagavi.	5 th to 10 th January 2026
04	Dr.Dukanya	One day national symposium on “ Women Empowerment In Digital India @ 2047”	Suvarna Ganga Campus, Bangalore North University, Kolar	19 th November 2025
05		One week FDP (online) on” Roles of Chemical science Towards Sustainable Development FOR Viksit Bharat”	Rani Chenaamma University, Belagavi.	5 th to 10 th January 2026
06		Virtual National Level FDP on “ Artificial Intelligence for Teaching Pedology”	Seshadripuram Degree college Mysuru	6 th Sept 2025

4.) Number of students cleared SET/NET:

Sl. No	Name of the students	SET
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1	Neha K.M.	SET
2	Swathi S.K.	SET
3	Yukthi Manjunath	SET