PROFILE



Name: Dr. S. Vani Latha

Educational Qualifications: M.Sc. (Chemistry), M.C.A., M.Phil., Ph.D., AP-SET

Designation: Lecturer, Head, Dept. of Chemistry

Department: Chemistry

Date of joining Maris Stella: 15.06.2001

I Academics

Degree	Institution/University	Year
APSET	State Eligibility Test for Assistant Professors, Andhra University	2018
Ph.D. in Chemistry	Acharya Nagarjuna University, Guntur	2017
M.Phil. in Chemistry	Bharathidasan University, Trichy	2007
M.C.A.	Bharathidasan University, Trichy	2002
M.Sc. (Analytical Chemistry)	Andhra University, A.P.	1998
B.Sc. (MPC)	KBN College, Acharya Nagarjuna University, Guntur	1996
Intermediate (MPC)	Board of Intermediate Education, A.P.	1993
Class X	Board of Secondary Education, A.P.	1991

II Professional Experience

Position Held	Institution	Year
Lecturer, Head, Dept. of Chemistry	Maris Stella College, Vijayawada	2001 – Till date (with 2.5 Yrs break in between)
Lecturer	Gandhiji Mahila Kalasala, Vijayawada	1999 - 2001
Lecturer	KBN College, Vijayawada	1998 - 1999

III Academic & Administrative Roles at Maris Stella

- Head, Dept. of Chemistry: 2013 – Till date
- IQAC Coordinator: Nov,2025 – Till date
- Dean, Academic Affairs: 2021 – 2024
- Chair Person, BoS: 2013 – Till date
- Member, BoS: 2001 – Till date
- Member of various internal committees & Cells under Academic and Administrative Responsibilities: 2013 – Till date

IV Academic Contributions to other Institutions

- Member, BoS, Andhra Loyola College, Vijayawada: 2022 – 2024
- Member, BoS, SRR & CVR Govt Degree College, Vijayawada: 2022 – 2023
- Paper Setter for degree courses: 2008 – Till date
- Examiner (Theory & Practical) for other colleges: 2008 – Till date

V Professional Memberships

- Life member in Society for Learning Technologies: 2021

VI Refresher Courses / Orientation Courses / Short Term Courses Done

1. Completed One Week Online National Faculty Development Program/ Refresher Course on 'Enhancing Quality of Chemistry Education in India' organized by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education on 5.2.2021 to 3.3.2021

VII Workshops / FDPs / Training Programmes Attended

1. Completed 128 hours 20 minutes module based online 'AI Teacher Training Certification by Agnirva', conducted by Agnirva, an ISRO Registered Space Tutor in the AY 2025-26.
2. Presented a paper on 'Integrated Chemical Sensors & Embedded Systems for Environmental Sustainability: A Review of Technologies and Applications' in the two-day international conference on 'Recent Trends in Physics, Chemistry & Electronics' organized by Andhra Loyola College on 8.1.2026 & 9.1.2026.
3. Presented a paper on 'Chemical sensors & Embedded Systems for Environmental Monitoring and Sustainability: A Review of Technologies and Applications' in

the two-day international conference on FPCBS-2025, organized by AKNU on 5.12.2025 & 6.12.2025.

4. Completed Energy conservation quiz on 17.12.2025, with a passing score of 90% organized by department of Chemistry, Maris Stella College.
5. Participated in a State Level One-Day Workshop for NIRF Coordinators of Universities and Colleges on Driving Excellence: Institutional Strategies for NIRF-2026 at Acharya Nagarjuna University, Guntur on 01.12.2025 organized by Andhra Pradesh State Council of Higher Education, Mangalagiri.
6. Participated in two day the National conference on AI and machine learning for life sciences (AIMLS) organized by SRR&CVR govt degree college, Vijayawada held on 14.11.2025 &15.11.2025.
7. Participated in the 'International Conference on Green Hydrogen: Fuel of the Future' organized by The Department of Chemistry, Sri Durga Malleswara Siddhartha Mahila Kalasala (SDMSMK) Vijayawada, During 19-20 September, 2025.
8. Completed 40 hours (3- Credit Equivalent) faculty development programme on 'QT – 00 & 01 Foundations of Quantum Computing & Applications' jointly organized by electronics and ICT Academy, MNIT Jaipur and AP State Council of higher education from August 18 – September 11, 2025.
9. Participated in the two-day National Webinar on Ancient Wisdom for Modern Challenges: An Interdisciplinary Approach, held on September 15-16, 2025 organized by the IKS Cell in association with the IQAC.
10. Participated in the Five-Day Online International Workshop on 'Cutting-Edge Techniques in NMR and Mass Spectrometry' organized by the Department of Chemistry, School of Advanced Sciences (SAS), VIT-AP University in association with American Chemical Society, during 01-05 July 2025.
11. Participated in the Common Yoga Protocol (CYP) Training program for the International Day of Yoga-2025 by Department of Ayush, Government of Andhra Pradesh.
12. Attended the R Discovery webinar on 'AI-Powered Literature Review: Smarter, Faster, Better' conducted by Dr. Faheem Ullah on 27th March 2025, organized by R Discovery team.
13. Participated in 2 day national conference on Advances in Chemical Sciences held on 6.3.2025 & 7.3.2025 organized by Department of Chemistry, Andhra Loyola College, Vijayawada.
14. Participated in Two-Day International Conference on 'Empowering Sustainability Through Smart Computing and Intelligence (ICESSCI-2025), organized by Department of Computer Science, Andhra Loyola College during 14th & 15th

March 2025, presented a paper titled ‘An IoT solution for sustainability, renewable energy technologies and AI- driven Environmental monitoring’.

15. Participated in the five-day, international webinar cum faculty development programme (FDP) on ‘Innovative approaches in green chemistry for addressing emerging challenges in chemical and allied sciences’, organized by the department of chemistry, JMJ College for women (Autonomous), Tenali from 10th to 14th September, 2024
16. Attended the Online Faculty Development Programme on “Enhancing Teaching Effectiveness with Outcome-based Education and Essential AI Tools” organized by the Internal Quality Assurance Cell, Bon Secours College for Women (Autonomous), Thanjavur in association with Marian College Kuttikanam (Autonomous), Kerala from 12.06.2024 & 13.06.2024.
17. Participated in 2 day International Conference on ‘New age Technologies in Therapeutics (NTT) held on 1st & 2nd July, 2024 at P.B. Siddhartha College of Arts and Science, Vijayawada
18. Participated in the 2 day FDP on “NAAC Accreditation - Changing Scenarios” organised by the IQAC, Maris Stella College from 4th June to 5th June 2024.
19. Attended 2 day - Online Faculty Development Programme on “Enhancing Teaching Effectiveness with Outcome-based Education and Essential AI Tools” organized by the Internal Quality Assurance Cell, Bon Secours College for Women (Autonomous), Thanjavur in association with Marian College Kuttikanam (Autonomous), Kerala from 12.06.2024 & 13.06.2024
20. Participated in TWO Day national Conference on ‘Computational science in Life, Computer and Social contexts, organized by ALC, on 15.3.2024 and 16.3.2024
21. Participated in Three Day national Conference on Recent Research Advancements in Computational Sciences- NCRRACS 2024, organized by Department of Computer Science, Maris Stella college, from 28.2.2024 to 29.2.2024.
22. Research Insights & Publication’ on 22.2. 2024 organized by Research & Ethics Committee in association with IQAC.
23. Participated in the FDP: Three-day National Workshop on ‘The AI Educator's Toolkit: Enhancing Learning & Advancing Research’ organized by the IQAC from 21.11.2023 to 23.11.2023
24. Participated in one-day workshop on ‘Participated in the five-day online faculty development programme on ‘Recent advances, trends and challenges in nano materials characterization and techniques’ organized by Dept. of Physics, Koneru Lakshmaiah Educational Foundation from 25.9.2023 to 29.9.2023.

25. Participated in One Day National Seminar on "Unleashing the Power of Intellectual Property in the Digital Era", organized by PG Department Of Business Administration, Maris stella College on 20.2.2024.

26. Participated in the Two-day Capacity-Building Workshop on 'Andrew Furco's Self-Assessment Rubric for the Institutionalization of Service-Learning in Higher Education' organised by the IQAC and sponsored by the United Board from 4.12.2023 and 5.12.2023

27. Participated in the five-day online faculty development programme on "Insights on Emerging Research in Chemical Science (IERCS-2022)" , organized by the School of Sciences (Chemistry) during 10.10.2022 to 14.10.2022

28. Participated in a three day National virtual conference on 'WOMEN EMPOWERMENT: GENDER, HEALTH AND SPACE SCIENCE', jointly organized by the Department of Physics, and IQAC Maris Stella College, Vijayawada from 7.10.2021 to 9.10.2021.
29. Participated in 10 Days Faculty Development Programme on Online Teaching Platforms and Tools organized by Scrollwell w.e.f. 6.8.2021 to 15.8.2021.
30. Participated in the Workshop on Service Learning held on 11th & 12th January 2021 at Maris Stella College, Vijayawada, sponsored by the United Board, South Asia.
31. Participated in 5-day online workshop in 'Formal written communication' organized by IQAC, Maris Stella College in collaboration with Christ (Deemed to be University), Bangalore from 19.10.2020 to 23.10.2020.
32. Participated in 3 Day webinar on Impact of Physics in Health care, organized department of Physics in collaboration with Emtron technologies, Mumbai on 14.10.2020 to 16.10.2020
33. Participated in the 6-days online International workshop on 'Research methodology in science' organized by Aretex Scientific International Pvt. Ltd from 5.10.2020 to 10.10.2020.
34. Participated in an online National Level Quiz titled 'Sowing the Seeds of Peace and Harmony in commemoration of the nuclear bombings of Hiroshima (August 6, 1945) and Nagasaki (August 9, 1945), organized by the Department of Physics, Maris Stella College, Vijayawada from 4th-10th August, 2020.
35. Participated in the online 3-days workshop on 'Office automation tools' organized by department of computer science and IQAC, Maris Stella College, from 21.7.2020 to 23.7.2020.
36. Participated in the webinar on 'Bridging electromagnetic spectrum for technological applications – A materials perspective' organized by the department of Physics, Andhra Loyola College on 21.7.2020.
37. Participated in the webinar on 'Free online tools useful for effective chemistry lecturing' organized by St Vincent De Paul College, Eluru on 9.7.2021.

38. Participated in ‘5day Faculty Development Programme in Chemistry’ on the theme of ‘ New Knowledge, Advanced Teaching & Research new frontiers and emerging technologies’ organized by Organised by Commisionerate of Collegiate Education, AP, Vijayawada from 1.7.2020 to 5.7.2020.
39. Participated in Digital Workshop on Outcome Based Education: Teaching and Learning Online and Measuring Outcome Attainment, organized by Maris Stella College in collaboration with United Board from 8.6.2020 to 19.6.2020.
40. Participated in a webinar on ‘preparing ourselves to meet post covid challenges’ organized by Geethanjali Institute of Science & Technology on 6.6.2020.
41. Participated in ‘5day Faculty Development Programme in Chemistry’ on the theme of ‘ New Knowledge, Advanced Teaching & Research new frontiers and emerging technologies’ organized by Organised by Commisionerate of Collegiate Education, AP, Vijayawada from 1.6.2020 to 5.6.2020
42. Participated in a webinar on ‘Guidelines for writing a research Paper’ organized by research committee, Arasu Engineering College, Kumbakonam, on 22.5.2020 through online pedagogy.
43. Participated in national webinar on ‘Taking research forward during pandemic’ organized by Loyola Institute of frontier Energy (LIFE), Loyola College, Chennai on 20.5.2020.
44. Participated in 3 day national level Faculty Development Program on ‘Tools for online classroom post Covid – 19’ organized by P.B.Siddharatha College of Atrs and Science, Vijayawada from 18.5.2020 to 20.5.2020.
45. Participated in 2 day national level online workshop on ‘ICT Tools for teaching and Learning’ organized by K.G.R.L.College, Bhimavaram on 15.5.2020 and 16.5.2020.
46. Participated in ‘National Level COVID-19 awareness Quiz’ on 13.5.2020 organized by Government Degree College, Amarwara.
47. Participated in 1 day webinar on ‘Gamification tools in teaching’ organized by IQAC, St Xavier’s College for Women, Aluva on 7.5.2020.
48. Participated in 2 day online national level Faculty Development Programme on ‘Open Learning with Open Online Tools’, organized by IQAC, Government College, Rajahmundry on 3.5.2020 and 4.5.2020.
49. Participated in one day online national conference on ‘Applications of quantum Chemistry’ jointly organized by IQAC and Department of chemistry, Shri Pancham Khemraj Mahavidyalaya, Sawantwadi on 3.5.2020.
50. Participated in a 3 day Trained program on ‘La Tex’ organized by Vellalar College for Women from 27.4.2020 to 29.4.2020, with course material provided by Spoken Tutorial Project, IIT, Bombay.

51. Participated in a 3 day workshop on 'Education 4.0' organized by IQAC, Atharva College of Engineering, Maharashtra from 28.4.2020 to 30.4.2020.
52. Participated in a 3 day workshop on video content creation organized by IQAC, Marian College, Kuttikkanam from 22.3.2020 to 24.3.2020.
53. Attended YVNR Government Degree College, Kaikaluru as a **resource person** for the work shop entitled 'Chromatographic Techniques' on 14.2.2020.
54. Participated as a **resource person** (Guest speaker) in one day workshop on 'Separation Techniques by Chromatographic methods' organized by Dept. of Chemistry, Dr LHR Govt Degree College, Mylavaram on 24.01.2020.
55. Participated in one day workshop on 'Mentoring', held on 7-9, January, 2020 at Maris Stella College, Vijayawada.
56. Participated in 2 Day national workshop on 'Designing effective assessment practices and digital technology' held on 2nd and 3rd December, 2019 at Maris Stella College, Vijayawada.
57. Participated in **Dr.Sudha Memorial Science Quest- 2019** as **Jugde** at **St.John's Public School**, Gunadala, Vijayawada on 29.11.2019 and 30.11.2019 respectively.
58. Participated in the three day national workshop on 'Physics and technology: Modern sensors, characteristics, interfacing and programming' from 7th to 9th, November, 2019 organized by Department of Physics, Maris Stella College.
59. Participated in 3 Day national work shop on 'Constructive alignment and outcome based Education' held from 21-23, October, 2019 at Maris Stella College, Vijayawada.
60. Participated in national workshop on 'Contemporary Nano: Synthesis, characterization and Applications' organized by Department of chemistry, Ch.S.D.ST.Theresa's College for Women, Eluru on 22.8.2019.
61. Delivered a guest lecture 'Different types of chromatography techniques' to the students of III B.Sc- MPC, CBZ at KTR Women's College, Gudivadaon 14.2.2019.
62. Attended a one day 'Pre-Event Lecture series, road show and exhibition on nano science and technology' organized by dept. of Chemistry, KBN College in collaboration with Tenth Bengaluru India Nano, Karnataka Science and Technology Promotion Society (KSTePS) On 15.11.2018.
63. Participated and presented a paper in the national seminar organized by KBN college, Vijayawada on 28-29thSeptember, 2018.
64. Participated and **presented** Two papers in UGC sponsored **'International conference** on Materials for energy and environmental protection (ICMEEP)' at Sir CR Reddy college, Eluru, organized by Depts of Physics, Chemistry and electronics on 12th&13th Feb,2018.

65. Participated in the two day national level workshop on "**Training Of Trainers: Becoming Effective Teachers and Trainers**" organized by WEPRO, Loyola College, Chennai on April 21st and 22nd 2017
66. Presented a paper 'Influence of heavy metal concentration on seed germination and radicle growth of Fenugreek and Green gram' in a three day international conference on 'New approaches in agriculture, food and environmental sciences' organized by department of Botany,Bio-Tech, Micro biology, ALC, Vijayawada on 22-24th December, 2016.
67. Served as a **judge** for Dr.Sudha Science quest –28.1.2016, organized by St John's school, Vijayawada.

68. Participated in a UGC sponsored two day national seminar "Advances in chemical sciences", on 18th and 19thSeptember, 2015, organized by department of chemistry, K.B.N. College, Vijayawada.

69. Participated in UGC sponsored two day national seminar "Shaping the future with nano sciences", on 19th and 20th August, 2015, organized by department of chemistry, P.B.Siddhartha College of Arts & Science, Vijayawada.
70. Presented a paper on "Investigation on the role of nano silver in controlling the physical parameters of an industrial effluent" in the National conference on 'Emerging frontiers of materials science' on 12th&13th February, 2015, organized by department of Physics, Maris Stella College, Vijayawada.
71. Presented a paper entitled "Synthesis and study of adsorption properties of activated carbon from Citrus aurantium and Punicagranatum" in the National conference on 'Emerging frontiers of materials science' on 12th&13th February, 2015, organized by department of Physics, Maris Stella College, Vijayawada.
72. Participated as a judge for the 'Rapid titration' in SPECTRUM-2014 (Inter collegiate competitions) organized by department of chemistry, Siddhartha MahilaKalasala, on 16th December 2014.
73. Participated in the one day workshop on 'The efficacy of internal quality assurance systems', organized by IQAC of Maris Stella College, on 3-11-2014.
74. Attended a national seminar on ' Plant made pharmaceuticals and approaches to the synthesis of bio active natural product's and presented a paper titled 'synthesis and chromium reduction by activated carbon from orange plant materials' on 18-july-2014.
75. Attended CII Education Excellence Forum road show on 17-July-2014 at 2.30 PM in PB Siddhartha College of Arts and Sciences, Vijayawada .
76. Participated in the 'Theme meeting on recent trends in spectroscopy (RTS-2014)' held at Indian Institute of Technology, Madras, Chennai, during June 20-21,2014 and presented a paper titled 'Luminiscent Characteristics of Ho^{3+} ions in PbO-B_2O_3-SiO_2-Al_2O_3 glass systems'.

77. Attended a public lecture on 'Towards synergy of quality assurance in higher education', organized by Krishna University, under Krishna University public lecture series, at the auditorium, PB Siddhartha college of arts and science, Vijayawada on 2-01-2014.
78. Participated in the state level workshop on 'Chemistry and career prospects' organized by the department of chemistry, KBN College, Vijayawada on30th November, 2013.
79. Attended a seminar on 'The role of chemistry in drug discovery', organized by Krishna University and the Royal Society of Chemistry (London), Deccan section, Hyderabad together at the auditorium, Siddhartha academy, Vijayawada on 6-7-2013.

VIII Research Contribution

(i) Area(s) of Research: Thermodynamics, Spectroscopy, Green Chemistry, Nanomaterials

Dissertation & Thesis Titles

S.No.	Programme	Title of the Thesis / Dissertation	Institution
1	Ph.D.	Exploration of The Nature of Molecular Interactions Through Thermodynamic, Acoustic, Optical and Spectral Studies In The Binary Mixtures of Ethyl Lactate With Benign Solvents At Temperatures From 303.15 K To 318.15 K	Acharya Nagarjuna University Guntur, A.P.
2	M.Phil.	Trace metal Analysis in and around Vijayawada by AAS	Bharathidasan University, Trichy, Tamilnadu

(ii) Research Papers Published: 12 (Scopus indexed and UGC journals)

S.No.	Title of the article	Journal Details	Authors
1	Exploring the Antimicrobial Properties of Silver Nanoparticles against Various Bacterial Strains	International Journal of Innovative Engineering and Management Studies, 12 (2023) 416-422 ISSN 2456 – 5083 DOI: 10.48047/IJIEMR/V12/ISSU	G.Little Flower, S.Vani Latha, G.Sahaya Baskaran, N.Jayarambabu, K.Venkateswara Rao

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2	Centella Asiatica: Phytochemical extraction with bio-Solvents and Phytochemical Screening	International Journal of Innovative Engineering and Management Studies, 12 (2023) 356-364 ISSN 2456 – 5083 DOI: 10.48047/IJIEMR/V12/ISSUE 02/56	S.Vani Latha, G.Little Flower
3	Ultrasonic Investigation of Viscoelastic Properties in Silver Nanofluids	Asian Journal of Chemistry, 34 (2022) 550-556. https://doi.org/10.14233/ajchem.2022.23493 Publisher: Asian Publishing Corporation Indexed by: **Scopus**	G. Little Flower1, S. Vani Latha, & G. Sahaya Baskaran
4	Thermo physical, optical and spectroscopic perspectives of molecular interactions in binary mixtures of Ethyl Lactate and Dimethyl Adipate at T = 303.15–318.15 K and atmospheric pressure,	Physics and Chemistry of Liquids, 57 (2019) 816-839. DOI: 10.1080/00319104.2018.1531408 Publisher: Taylor & Francis Indexed by: **Scopus**	S. Vani Latha, G.Little Flower, M. Srinivasa Reddy, L.Yugandhar Raju, C.V. Nageswara Rao & A. Ratnakar
5	Study of refractive indices of binary mixtures composed of Green solvents ethyl lactate and iso propyl alcohol	International Journal of Engineering Science Invention, (2018) 60-64. ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726	S.VaniLatha, G. Little Flower, L.Yugendhar Raju
6	Nanotechnology in dentistry: Present and future Perspectives	Journal of Chemical and Pharmaceutical Sciences, 10 (2017) 577-579. ISSN:0974-2115	G. Little Flower, S. Vani Latha, G.Sahaya Baskaran, Y. Hanumantha Rao, M.Arokiasamy
7	Densities, ultrasonic	Journal of Solution	S.VaniLatha,

	velocities, excess properties and IR spectra of binary liquid mixtures of organic esters (Ethyl Lactate, some organic carbonates).	Chemistry, (2017) 46:305-330, DOI 10.1007/s10953-016-0567-6 Publisher: Springer Indexed by: **Scopus**	G.Little Flower, K.Rayapa Reddy, C.V. Nageswara Rao and A. Ratnakar
8	Novel characterization of nanosilver fluid through ultrasonic studies supported by UV–Vis spectroscopy, DLS and TEM studies	Journal of molecular liquids, 221 (2016) 333–338 DOI: 10.1016/j.molliq.2016.06.017 Publisher: Elsevier Indexed by: **Scopus**	S.VaniLatha, G.Little Flower, K.Rayapa Reddy, C.V. Nageswara Rao and A. Ratnakar
9	Evaluation of thermo acoustic parameters and theoretical ultrasonic velocity in binary liquid mixtures of Ethyl lactate +Alcohols	Journal of atoms and molecules, 6 (2016) 1017 – 1035 **UGC approved** Journal	S.VaniLatha, G.Little Flower, K.Rayapa Reddy, C.V. Nageswara Rao and A. Ratnakar
10	Exploration of volumetric, acoustic, thermodynamic and IR studies of binary mixtures of green solvent ethyl lactate with C3alkanols at T = (303.15, 308.15, 313.15, and 318.15) K and atmospheric pressure	Journal of molecular liquids, 209 (2015) 153-160, DOI:10.1016/j.molliq.2015.05.026 Publisher: Elsevier Indexed by: **Scopus**	S.VaniLatha, G.Little Flower, K.Rayapa Reddy, C.V. Nageswara Rao and A. Ratnakar,
11	Synthesis and study of adsorption properties of activated carbon from citrus aurantium and punicagranatum	International Journal of Engineering Research-Online, Vol.3,S1,2015(Jan-Feb)	S.VaniLatha, G. Little Flower
12	Investigation on the role of nano silver in controlling the physical parameters of an industrial effluent.	International Journal of Engineering Research-Online, Vol.3,S1,2015(Jan-Feb)	S.VaniLatha, G. Little Flower

(iii) Books Published: 1 (2019, LAP LAMBERT Academic Publishing)

Book Published

S.No	Title of the Book	ISBN Details	Publisher
1	Synthesis and Study of Viscoelastic properties of Silver Nanofluids Authors: G. Littleflower, S.Vani Latha	ISBN-13: 978-613-9-46052-6 ISBN-10: 6139460522 Published on: 2019-05-02	LAP LAMBERT Academic Publishing

(iv) Students' Projects Guided: 16 UG student projects (2013–2022)

S.No	Academic Year	Title of the Project	Total No. of Students
1	2013-14	Determination of selenium in various samples of biological and environmental interest- A simple spectrophotometric method development and optimization	9
2	2014-15	Synthesis and study of adsorption properties of activated carbon from Citrusaurantium and Punicagranatum	6
3	2015-16	Alcoholic fermentation of Papaya with and without immobilised yeast biocatalyst and its physico-chemical characterization, comparison	11
4	2015-16	Effect of tulasi leaf juice addition on alcoholic fermentation and physico-chemical properties of water melon wine	12
5	2017-18	Molding techniques in plastic engineering	25
6	2018-19	Phytochemical screening and antimicrobial activity of Senna occidentalis leaf extract prepared from benign solvents	8
7	2018-19	Phytochemical and Total Phenolic content analysis of Senna occidentalis leaf extract prepared from benign solvents	8
8	2019-20	Method development and validation of Lorlatinib in bulk and pharmaceutical dosage forms by RP-HPLC	2

9	2019-20	Method development and validation of Rifapentine by RP-HPLC	2
10	2019-20	Method development, validation and forced degradation study for Gemigliptin in bulk and pharmaceutical dosage forms by RP-HPLC	5
11	2020-21	Eclipta Alba: Phytochemical extraction by benign solvents, Screening and estimation of Total Phenolic Content	7
12	2020-21	Aerva Lanata: Phytochemical Extraction by Benign Solvents, Screening and estimation of total phenolic content	8
13	2020-21	Validation of a stability indicating RP - HPLC method for estimation of Bilastine in bulk and pharmaceutical formulations.	6
14	2021-22	Vitex negundo: Phytochemical Extraction by Bio Solvents & Phytochemical Screening	7
15	2021-22	Hibiscus Rosasinensis: Phytochemical Extraction by Bio solvents & Phytochemical Screening	7
16	2021-22	Centella asiatica: Phytochemical Extraction by Bio solvents & Phytochemical Screening	6

IX Consultancy - 0

X Certificate Courses Done

1. Completed the online course on ‘Sustainability commitment in educational campus’ organized by Centre for Science and Environment, India from 16.7.2020 to 17.7.2020.

XI Workshops / Conferences / Seminars Organized

1. Organized one-day workshop on "Technologies and Insights Through Simple Experiments for the Prosperity of Society" on 26.02.2024.
2. Organized one day workshop "Pathways to Research: Alumni Guidance" on 18.7.2024.

3. Organized a Two-Day Online National Workshop on “ChemDraw, Origin & MathType: Empowering Research & Teaching” on 17 and 18 September 2025 through Google Meet.

XII Awards & Recognitions

- Woman of Worth Research Awards 2021 - Best woman researcher award, Society for Learning Technologies, India