**PROFILE**



**Name:** Dr. Motupalli Sridevi

**Educational Qualifications:** MSc, MPhil, PhD, SET

**Designation:** Assistant Professor

**Department:** Chemistry

**Date of joining Maris Stella:** 02-06-2025

## I Academics

| Degree | Institution/University | Year |
|---|---|---|
| Ph.D in Chemistry | Andhra University | 2014 |
| M.Phil in Chemistry | Andhra University | 2010 |
| M.Sc in Chemistry | Andhra University | 2002 |

## II Professional Experience

| Position Held | Institution | Year |
|---|---|---|
| Assistant Professor | MarisStella College,Vijayawada | 2025 |
| HOD in Chemistry | S.K.S.D.Mahila Kalasala UG&PG(A), Tanuku | 2014-2025 |
| Full–time Research Scholar With UGC–BSR fellowship | Andhra University Campus, Visakhapatnam. | 2010-2013 |
| Senior Lecturer | Narayana Junior College, Tirupati. | 2009-2010 |
| HOD in Chemistry | Aditya Degree College, Rajahmundry, E.G.Dt | 2008-2009 |
| Lecturer in Chemistry | M. G. Degree College, Atreyapuram, E.G.Dt. | 2006-2008 |
| Lecturer in Chemistry | A.K.R.G.Inter Degree P.G College, Nallajerla, W.G.Dt. | 2002-2006 |

## III a) Academic & Administrative Roles in Maris Stella College, Vijayawada

- Member of Board Of Studies : 2025-2026
- Member of IQAC: 2025-2026
- Member of Mental Wellness Club 2025

**b) Academic & Administrative Roles in S.K.S.D.Mahila Kalasala UG & PG (A)**

- Member of the Calendar Committee: 2018-2025
- Coordinator of the IQAC: 2019-2025
- Member of Academic Council: 2020-2025
- Member of the Governing Body: 2020-2025
- Member of the Finance Committee: 2020-25
- Coordinator of UGC:2020-25
- Coordinator of AISHE: 2019-25
- Coordinator of nirf: 2019-25
- Coordinator of Academic Bank of Credits (ABC): 2024-25
- Coordinator of the Research Committee: 2018-2025

**IV Academic Contributions to other Institutions**

- University nominee, Board of Studies in Chemistry, S.K.S.D.Mahila Kalasala UG & PG(A), Tanuku. West Godavari district, Andhra Pravesh-2026-2029
- Member of PG Board of Studies for Inorganic & Analytical Chemistry, Adikavi Nannaya University, Rajamahendravaram, E.G.Dt, A.P : 2020-2022
- Subject Expert, Board of Studies in Chemistry, Sri Y.N.College, Narasapuram,W.G.Dt, A.P : 2019-2022
- Editorial board member for the **International Journal of Advanced Multidisciplinary Research and Studies (IJAMSR)**.

**V Professional Memberships**

- Life Member, Society For Learning Technologies(SOLETE): 2025
- Life Member, Sidvi Society for Research and Development (SSRD):2025
- Member of Indian Accounting Association-2023
- Life Member, Manavatha Non Governmental Organization(NGO):2019
- Member of Indian Science Congress: 2018

**VI RefresherCourses/Orientation Courses/Short Term Courses Done**

1. has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Blockchain and Cybersecurity Issues in SMART GRID at SIR C R REDDY COLLEGE OF ENGINEERING from 07/09/2026 to 12/09/2026.

2. Participated in Faculty Development Programme on"A Step - by -step guide for research writing and publishing in Indexed Journals(Scopus & Web of Science)" organised by the Institute for Scholarly Research and Training (ISRT),Chennai from 25th to 31st July 2026

3. Participated in a Fivedays Faculty Development Programme titled ''Unleashing the AI-Ready Faculty: A Multidisciplinary Deep Dive into the Future of Education''held from 1st - 5th June, 2026 by Xaviour board of higher education.

4. Participated in Faculty Development Programme on "Designing and Developing OER-enabled MOOCs using 4-Quardrant Approach" under Malaviya Mission Teacher Training Programme(MM-TTP) of University Grant Commission(UGC) Organized by Indian Institute of Technology, KHARAGPUR from 05-05-25 To 10-05-25

5. Participated in the Professional Development Programme on "Integration of Generative AI, Interactive e-content and Advanced Technologies in Online Courses" organized by the National Institute of Educational Planning and Administration (NIEPA), New Delhi during April 21-26,2025.

6. Participated in Teacher Training Programme on "OERS & PEDAGOGY" organized by University of Hyderabad dated 18th&19th October 2016.

**VII Research Contribution**

**(i) Area(s) of Research:** Kinetics, micellarcatalysis, wateranalysis,

Nitrate Poisoning, Estimation of soil, detection of nitate in animal feed.

**(ii) Research projects completed as Coordinator**

| S.No. | Title of the Project | Funding agency | Sanctioned amount and Year of Sanction | Duration of the project | Present status |
|---|---|---|---|---|---|
| 1. | Analysis of Water Quality parameters in the Industrial Areas around Tanuku | S.K.S.D. Mahila Kalasala Degree& PG (A), Tanuku | Rs. 70,000<br>19-12-2016 | 2Yrs | Completed |
| 2. | Micellar Catalysis of Oxidation of AminoAcids | Sri Bala balaji Textiles | Rs.70,000<br>19-06-2016 | 2Yrs | Completed |

| | | | | | |
|---|---|---|---|---|---|
| 3. | Detection of Milk Adultration | S.K.S.D. Mahila KalasalaDegree & PG (A), Tanuku | Rs.70,000<br>19-12-2018 | 2Yrs | Completed |
| 4. | Analysis of Soil Organic Carbon Content' | S.K.S.D. Mahila Kalasala Degree& PG(A),Tanuku | Rs.70,000<br>19-12-2020 | 2Yrs | Completed |
| 5. | Analysis of Cooking Oil | Coastal Agro Industries Pvt. Ltd, Tanuku | Rs.1,00,000<br>10-10-2022 | 1Yr | Completed |
| 6. | Analysis of Struvite Bladder stones | Coastal Agro Industries Pvt. Ltd, Tanuku | Rs.1,00,000<br>18-10-2023 | 1Yr | Completed |

**(iii) Research Papers Published:**

| S.No | TITLE OF THE PAPER | NAME OF THE JOURNAL | Volume/Page No/ YEAR OF PUBLICATION | ISSN/ISBN |
|---|---|---|---|---|
| 1 | Kinetics and Mechanism of Oxidation of L-cysteine by Pyridinium Bromochromate in Perchloric Acid Medium | Indian Chemical Society **Indexed in Scopus** | 2012 | (ISSN: 0019-4522) |
| 2 | Kinetics and Mechanism of Ruthenium(III) Catalysed Oxidation of L-Cystine by Hexacyanaferrate (III) in Alkaline Medium | Research Journal of Pharamaceutical,Biological and Chemical Sciences | 2012 | ISSN:0975-8585 |
| 3 | Kinetics and Mechanism of Oxidation of L-cysteine by Periodate in Alakaline Medium | Proceedings of Indian national Science Academy **Indexed in Scopus, Springer, Nature** | 2013 | ISSN 0370-0046 and E-ISSN 2454-9983 |
| 4 | Kinetics and Mechanism of Oxidation of | International Academy of Science Engineering and Technology | 2013 | ISSN:2319-4014 |

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|---|---|---|---|---|
| | L-tyrosine by Thalium(III) in Perchloric Acid Medium | | | |
| 5 | Osmium (VII) Catalysed Oxidation of DL-methionine by Alkaline Sodium Periodate –Akinetic Study | Indian journal of applied research | 2013 | ISSN 2249-555X |
| 6 | Oxidation of L-Serine by Alkaline Periodate-Kinetics and Mechanism | Research Journal of Pharamaceutical,Biological and Chemical Sciences | 2013 | ISSN:0975-8585 |
| 7 | Studies on The Water Quality Parameters in the Vicinity of Iragavaram Mandal West Godavari Dt,A.P | International Journal of Academic Research | 2016 | ISSN:2348-7666 |
| 8 | Micellar Effects on The Kinetics and Mechanism of Oxidation of L-Cysteine by HexaChloro Iridate (IV) in Perchloric Acid Medium | International Journal of Academic Research | 2016 | ISSN:2348-7666 |
| 9 | Studies on The Water Quality Parameters of SKSD Mahila Kalasala Tanuku, West Godavari Dt,A.P | International Journal of Academic Research | 2016 | ISSN:2348-7666 |

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|---|---|---|---|---|
| 10 | Studies on The Water Quality Parameters in the Vicinity of PalakoderuMandal ,West Godavari Dt,A.P | International Journal of Academic Research | 2016 | ISSN:2348-7666 |
| 11. | Comparitive Studies on water quality parameters of the Industrial area around Tanuku | International Journal of Advanced Multidisciplinary Scientific Research | 2018 | ISSN:2348-7666 |
| 12. | Kinetics and Mechanism of Oxidation of L-cystine by Thallium(III) in Perchloric Acid Medium | Oxidation Communications | 2018 | ISSN: 0209-4541 |
| 13. | "Comparative tests for nitrate toxicity in maize with diphenyl amine" | Science Spectrum | 2019 4(1), pp41-46 | e-ISSN (2455-5053) |
| 14. | “Detection of adulteration in milk” | International Journal of All Research Education and Scientific Methods (IJARESM) | 2020 | ISSN: 2455-6211 |

| | | | | |
|---|---|---|---|---|
| 15. | Estimation of soil organic carbon percentage in organic farming soil samples of tanuku region, Andhrapradesh, india by walkley-black chromic acid wet oxidation method | International Journal For Innovative Engineering and Management Research. **Elsevier SSRN** | 2020 | ISSN Number: 2456-5083 |
| 16 | Statistical Analysis Determination on Cooking Oils Stability by Using Selected Quality Parameters Like Peroxide Value, Iodine Value & Melting Point | Samdarshi | 2023 | ISSN: 2581-3986 |

**(iv) Books/Chapters in Books Published:** 4

1. Proceedings of National Seminar on ”Conversion of Research into Patent” in 2023 with ISBN Number 978-81-19079-36-0
2. Proceedings of National Seminar on ”The Challenges in teaching and learning of English Language” in 2021 with ISBN Number 978-93-94779-32-7
3. A Text book of Inorganic Chemistry for Ist M.Sc Students in 2021 with ISBN Number 978-93-91681-42-5
4. A Special issue of “International Journal of Academic Research” Volume 3,issue 1(3),2016 on “Advanced Techniques in chemical Research” National seminar proceedings with ISSN Number 2348-7666.

**VIII Certificate Courses Done ----- 2**

1. Successfully completed the online certificate course on”Application of Spectroscopic methods in molecular structure determination “ for 8 weeks, Jul-Sep2026
2. Successfully completed a certificate course on, ‘YOGA’in2016 offered by S.K.S.D.MahilaKalasala, UG&PG(A),Tanuku.

**IX Workshops/Conferences/Seminars Organised**

1. UGC sponsored two day national Seminar on “Advanced Techniques in Chemical Research ”Co-Sponsored by ONGC, Rajamahendravaram on 30$^{th}$&31$^{st}$January2016 at S.K.S.D.MahilaKalasala,UG&PG(A),Tanuku.

2. One Day National Seminar on “Role of Chemistry in Human Life”on26$^{th}$November 2018 in Collaboration with “Royal Society of London” and “ Andhra Pradesh Akademy of Sciences(APAS)” Amaravathi at S.K.S.D.MahilaKalasala,UG&PG(A),Tanuku.

3. One day International workshop on “Drug Discovery” on 5th October 2018 in collaboration with “International Medical University” Kualalumpur, Malaysia at S.K.S.D.Mahila Kalasala, UG&PG(A),Tanuku.

4. Two Days Digital Work-Shop on “OpenLearning withOpenOnlineTools” on 8th&9th May 2020, at S.K.S.D.Mahila Kalasala,UG&PG(A), Tanuku

5. International Webinar on“Scientific Avenue to Covid-19”with a resource person from Pen state university, U.S.A. on 28th May 2020, at S.K.S.D.MahilaKalasala,UG&PG(A),Tanuku.

6. NAAC Sponsored Two Day National Seminar on “Conversion of Research into Patent” on 25th & 26th April 2024, at S.K.S.D.MahilaKalasala,UG&PG(A),Tanuku

## X Awards & Recognitions

- Dr. Sarvepalli Radha Krishnan Shiksha Gaurav Award-2026 by the Indian Forum for social leaders & achievers
- Dr. Sarvepalli Radha Krishnan Best Teacher award by Society for Learning Technologies -2025
- AcademicResearcherAwardbySidviFoundation–2025
- Women Scientist Award by Crime Investigation Department (CID)–2025
- Distinguished woman Scientist award by SCIENG publications, USRD, Dr. Yellapragada Life Sciences, NAARI SHAKTHI AWARDS FOR WOMEN-2022
- Best Reearcher award by Manavatha,Tanuku-2021
- Woman Researcher award by IJIEMR-ELSEVIERSSRNRESEARCHAWARDS-2020
- Best Teacher Award by Lion’s Club Tanuku -2018
- ‘Asia Pacific Who’s Who’men &women of Achievement.-2017

## XI Patents & Startups

| S. No. | Title of the Patent | Agency which has awarded the patent | Application number | Year |
|---|---|---|---|---|
| 1. | Water body purifying floating motor pad | Govt. Of India , Patent Office Granted | 353602-001 | 2022 |
| 2. | Drinking Glass with Liquid quality Analysing Mechanism | Govt. Of India , Patent Office Granted | 354562-001 | 2022 |
| 3. | A Portable kit for rapid identification of Adulterants and heavy metals in milk | Govt. Of India , Patent Office Published | 202641023320 A | 2026 |
| 4. | A reagent for detection of nitrate poisoning in animal feed | Govt. Of India , Patent Office Published | 20264102318 A | 2026 |

**CEO of Startup Company : “STARNOVA FINE CHEM PRIVATE LIMITED”**

