

RESUME

Dr. S.SRILALITHA

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Career Objective

To pursue a research career with a progressive reputed organization and to achieve the best in Research and Development in the field of Chemistry.

Summary of Skills

- Working as Professor of Chemistry, Head of R&D of Humanities & Sciences in ACE Engineering College, Hyderabad.
- Worked as HOD of Humanities & Sciences in ACE Engineering College, Hyderabad.
- Worked as Professor of Chemistry & HOD of Humanities & Sciences in Ashoka Institute of Engineering and Technology, Hyderabad.
- Worked as Principal, Professor & HOD of Chemistry in Murthy Institute of Technology and Science, Hyderabad.
- Worked as Professor of Chemistry in Institute of Aeronautical Engineering, Hyderabad.
- Worked as a Lecturer in the Department of Chemistry in Andhra Mahila Sabha, Hyderabad.
- Worked as Associate Professor in the Department of Chemistry in AVN Institute of Science and Technology, Hyderabad.
- Worked as a Faculty member, taught Chemistry, Engineering Plastics and Polymer Science for various P.G courses in Central Institute of Plastics Engineering and Technology, Mysore.
- Worked as Lecturer, taught multiple branches of Chemistry for UG & PG Courses in various colleges.

- Submitted a Research project on “**Development of Natural Nano / Micro Fibre Reinforced Biomembranes for Wound Healing Applications**” for DST.
- Worked as “**Visiting Scientist**” in **Non-Ferrous Materials Technology Development Center**, Hyderabad (2003 – 2004).
- Worked as “Scientist” in R&D division in **Avanthi Laboratories** which is a highly sophisticated manufacturing unit which has set up in technical collaboration with a renowned foreign company and Research Institute using latest technology.
- Played key role in the manufacture of the bone graft material heralding the “Bio-ceramic Age” introduced first time in India.
- Research experience in Polymers, Solution properties of Polymer Blends, Ultrasonic studies, Physico - Chemical studies of Polymer solutions, Polymer Blends and Membrane Technology.
- Research work related to Ph.D degree on Polymers, Polymer Blends and Membrane Technology.
- Research work on Physico - Chemical Properties of Polymer solutions related to M. Phil degree.
- Paper publications on Acoustic studies, Physico - Chemical studies of Polymer Solutions and Polymer blends by Ultrasonic and Viscometric techniques and studies on characterization of membranes of Polymer blends.
- 13 years of experience in R & D Labs.
- 23 Years of teaching experience at graduate, under graduate and postgraduate levels.
- Established a Polymer Industry manufacturing polythene bags.

EDUCATIONAL QUALIFICATIONS

- **Ph.D:** (awarded in 2005 from Jawaharlal Nehru Technological University, Hyderabad, A.P, India)
Research Topic - ***Physico-Chemical, Scanning Electron Microscopic, Mechanical & Spectral Studies on Blends of Synthetic and Semi Synthetic Polymers***
- **M.Phil:** (awarded in 1995 from Sri Krishna Devaraya University, Anantapur, A.P, India)
Research Topic - ***Physico-Chemical Properties of Polymer Solutions***

- **M.Sc:** (awarded in 1989 from Sri Krishna Devaraya University, Anantapur, A.P, India)
Specialisation - **Analytical Chemistry** (First class)

EXPERIENCE

RESEARCH EXPERIENCE

- Manufacture of 100% Biocompatible, non - toxic, non - allergic products and composites.
- Transformation of simple raw materials into a product that replicates bone.
- Manufacturing the products which are targeted as substituting auto graft materials by Dental surgeons, Orthopedic Surgeons, Plastic surgeons & Maxillo - Facial surgeons.
- Acoustic Studies, Physico - Chemical Studies of Polymer Solutions by Ultrasonic and Viscometric techniques over a wide range of concentrations, temperatures and solvents which indicate the degree of miscibility, extent of interaction between the Polymers and stoichiometry of the Polymer complexes formed by the interactions between the Polymer and the solvents.
- Solution properties of Polymers and Polymer Blends.
- Study of solute - solvent and solute - solute interactions by Ultrasonic techniques.
- Investigation of Polymer Compatibility by the determination of Glass transition temperature, morphology by Scanning Electron Microscopy, dynamic mechanical response, Differential Scanning Calorimetry and FTIR etc.,
- Exposure to NMR, GPC, HPLC, XRD and AAS etc.
- Blending of water-soluble Polymers which reduce the turbulent drag that is very much dependent on molecular dimensions and the association formed by the interacting Polymers cause a high degree of drag reduction.
- Production of membranes from Polymers and Polymers Blends which are extensively used in Industries, Biotechnology, Pharmaceuticals, Medical and Laboratory etc.

INSTITUTIONAL EXPERIENCE

- R&D Experience, 11 years as **Scientist** (Quality Control In charge in Avanthi Labs) (1997-2008)
- R&D Experience as **Visiting Scientist** in Non-Ferrous Materials Technology Development Centre, Hyderabad (2003-2004)

- R&D Experience as **Visiting Scientist** in CIPET, Mysore (2008-2009)
- Teaching Experience, 23 years at Undergraduate, Graduate and Post Graduate levels

ADMINISTRATIVE EXPERIENCE

- Member-cum-Women Representative and Chairperson in the Selection Committee for the Recruitment of Technical Staff in C-MET, Hyderabad
- Head of Research & Development Wing
- Chief Coordinator of Admission Committee (EAMCET-2019)
- Principal in Murthy Institute of Technology & Science
- Chief Superintendent for Internal, External & University Exams
- Head of the Department of Humanities and Sciences
- Head of the Department of Chemistry
- Panel Member for Faculty Recruitment
- Chair Person for Women Protection Cell
- Convener for National Conference
- Committee Member for Hospitality
- Member in Discipline Committee
- Member in Anti ragging Committee
- Academic Coordinator
- Counselor

SUBJECTS HANDLED

- Engineering Chemistry
- Environmental Science
- Engineering Plastics
- Polymer Science & Technology
- Analytical Chemistry
- Physical Chemistry
- Organic Chemistry
- Inorganic Chemistry
- Polymer Chemistry

MEMBERSHIP

- Life Member in Indian Society for Technical Education (ISTE)
- Life Member in Indian Council of Chemists (ICC)
- Life Member in Indian Chemical Society (ICS)
- Life Member in The Indian Science Congress Association (ISCS)
- Life Member in Association of Chemistry Teachers (ACT)
- Life Member in Indian Women Scientist's Association (IWSA)
- Life Member in Indian Society of Analytical Scientists (ISAS)

- Life Member in Oil Technologist's Association of India (OTAI)
- Life Member in Science - Tech Foundation (STF)
- Life Member in Institute for Engineering Research & Publication (IFERP)
- Life member in Indian Council of Astrological Sciences (ICAS)
- Fellow Member in Telangana Academy of Science (TAS)
- Life Member in Bharatiya Vidya Bhavan.

OTHER ACHIEVEMENTS

- Awarded **Innovative Researcher & Dedicated Excellent Educationalist Award organized** by The Society of Innovative educationalist & Scientific research Professional (The Innovative Global Scientific Researchers Educationalist-Professionals & Journalist Award & Fellowship Honors Convocation 2021)
- Awarded **Women Researcher Award** organized by Social Science Research Network (**IJIEMR- ELSEVIER SSRN RESEARCH AWARDS-2020**) on 20th December 2020
- Awarded **PERFICIO AWARD for Research & Innovation of the year 2020** organised by DHS Foundation Collaboration with Campbell University, USA and awarded on 12th July 2020
- Awarded **Best Researcher Award** (9th Science and Technology Awards – 2020) organised by EET CRS Research Wing for Excellence in Professional Education & Industry and awarded on 7th June 2020
- Awarded **Best Faculty Award** (8th Academic Brilliance Awards – 2020) organized by Education Expo awarded on Women's Day, 8th March 2020
- **Editorial Board Member** for the Journal of Material Science and Engineering A
- **Editorial Board Member** for the Journal of Material Science and Engineering B
- **National Advisory Committee Member for the International Conference** (ICAET 2021)
- **Technical Programme Committee Member & Keynote Speaker for International Conference** on Material Engineering & Applications (ICMEA-2020), Xian, China, 18th - 19th December 2020
- **National Advisory Committee Member for the International Conference** (ICEATE - 2020)
- **Chaired a Technical Session in the National Seminar on Current Trends in Chemistry** (CTric -2020) Organized by the Department of Applied Chemistry, Cochin University of Science and Technology, Cochin, Kerala, 6th & 7th February, 2020
- **National Advisory Committee Member for International Conference** (ICCCEEE-2020) Organised by GPREC, Kurnool, 10th & 11th January, 2020
- Invited to deliver a talk in the Collaborative Conference on Materials & Technology (CCMST) in Beijing, China, 24th -28th September, 2018
- Invited to deliver a talk in the international Conference on Energy, Materials & Nanotechnology (EMN Meeting) on Material Chemistry at Budapest, Hungary, 9th-13th September, 2016
- Invited to deliver a talk in the EMN Meeting at Taiwan, China, 8th -11th March, 2016
- Invited to deliver a talk for the EMN Cancun Meeting at Cancun Mexico, 8th-11th June, 2015

- Invited to deliver a talk for the International Conference on Energy Materials and Nanotechnology (EMN) at Chengdu, China, 21st-27th October, 2013
- Winner in National Level Yoga Competition conducted by Telangana State Government (2019)
- Certificate from MSME for Entrepreneurship Development Programme on 14/12/2019 & 15/12/2019
- Certificate from APITCO, Hyderabad for Training in Entrepreneurial Development Programme (1990)
- Certificate from HELP AGE INDIA for Social Service (1988)
- Qualified in UNO Examination (1978)
- Qualified in NTSE Examination for Merit Scholarship (1977)

AREAS OF RESEARCH INTEREST

- Nanotechnology
- Membrane Science
- Engineering Plastics
- Nano materials
- Nano Polymer Composites
- Polymer Blends
- Polymer Chemistry
- Bio medical Engineering
- Biosensors
- Biotechnology

RESEARCH PROJECTS

1. Co-Principal Investigator for the Project sanctioned under **TEQUIP-III CRS JNTUH**

Project Title: A Facile Synthesis Anticancer Activity of Novel Quinoxaline-2-Carbohydrazide N-Oxide Derivatives.
2. **Project Title:** Synthesis and Characterisation of Nano Films of Polymer Blends Poly (Vinyl Pyrrolidone) and Poly (Vinyl Alcohol) - Submitted to **TSCOST**
3. **Project Title:** Studies on Characterisation of Nano films of Polymer Blends (to be submitted to DST)

BOOKS / BOOK CHAPTERS

- 1) Book Name: **Women Empowerment-Challenges & Strategies**
Book Chapter Title: **Rural Women Entrepreneurship in India: Issues and Challenges**
ISBN No: 978-81-950163-5-8 (Published on 8/3/2021)
- 2) Book Name: **Nanotechnology-A Multi diversified Approach for Smart Materials**
ISBN No: 978-93-5426-405-4 (Published in February 2021)

Book Chapter Title: **A Brief Review on Green Technology and Green Chemistry**

- 3) Book Name: **Current Research and Development in Chemistry (Vol.4)**
ISBN No: 978-93-90206-41-4 (Published on 5/10/2020)
Book Chapter Title: **Characterisation of Polyblend - Nanofilms of Cellulose acetate & Polystyrene**
- 4) Book Name: **Text book of Polymer Science** (under review)
- 5) Book Name: **Text Book of Engineering Chemistry** (under review)

PATENTS

1. Title of the Innovation: **A Solar Inverter Enclosure** (Design Patent filed on 05/10/2021)
2. Title of the Innovation: **A Clinically applicable Deep Learning Model for Detecting and Automatic bone removal by Computed Tomography Angiography images** (Canadian Copy right published on 19/02/2022)
3. Title of the Innovation: **Machine Learning and IOT based model to predict the Severity of Cancer for Surgical Treatment & there of** (Indian Patent published on 30/12/2021)
4. Title of the Innovation: **Artificial Intelligence and wireless based Smart Drug Prescription Management for Autonomous Drug delivery System** (Indian published on 29/10/2021)
5. Title of the Innovation: **Fertilizer usage monitoring and Price Estimation System for Crops** (Indian patent published on 10/09/2021)
6. Title of the Innovation: **Smart System for Quality–Based Pricing and Delivery of Perishable Products and Method Thereof** (Indian Patent published on 20/08/2021)
7. Tittle of the innovation: **Modeling, optimizing, and diagnosis of Chiller Systems using Machine Learning** (Indian Patent published on 13/08/2021)
8. Tittle of the Innovation: ***Dioscoria villosa* Extract Based Herbal Composition for Wound Healing and it's Preparation method thereof** (Indian Patent published on 06/08/2021)
9. Title of the Innovation: **Phyllanthus niruri as a Promising alternative treatment for Jaundice** (Indian Patent published on 11/06/2021)
10. Title of the Innovation: **Artificial Neural network based on early diagnosis of Diabetes Mellitus** (Australian Patent published in May 2021)

11. Title of the Innovation: **Artificial Intelligence based Animal Detection and Identification for protection of Field crops** (Indian Patent published on 30/04/2021)
12. Title of the Innovation: ***Eclipta alba* based composition for Haemorrhoids and its preparation method thereof** (Indian Patent published on 05/02/2021)

PUBLICATIONS IN CONFERENCES

- 16 Research Papers presented in International Conferences
- 12 Research Papers presented in National Conferences

PUBLICATIONS IN JOURNALS

INTERNATIONAL JOURNALS

- International Journal of Advance Research in Science & Engineering
- International Journal of Environment and Sustainable Development
- Suraj Pung Journal of Multi Disciplinary Research
- International Journal of Innovative Research in Science, Engineering & Technology
- International Journal of Nano Science & Nano Technology
- International Journal of Pharmacy and Chemistry
- International Refereed Journal of Engineering & Science
- Asian Journal of Chemistry
- 10 more Research Papers communicated to various International Journals

NATIONAL JOURNAL

- Journal of Pure & Applied Ultrasonics

PUBLICATIONS (10 more papers are to be published)

1. **Srilakshmi M., Pavani P., Srilalitha.S., Supramolecular Chemistry: Exploring Complex Structures and Functions** – European Chemical Bulletin (ISSN No: 2063-5346), Vol.12, Special Issue 12, pg 1715-1722 (I.F-6.3).
2. **Srilalitha.S., Studies on Synthesis and Characterisation of Nano Films of Poly (Vinyl Chloride) and Cellulose Acetate** – National Conference on Recent Trends in Material Science (RTMS-2K23), Department of Chemistry, Andhra Layola College, Vijayawada (AP), INDIA, 13th and 14th February 2023.
3. **Srilalitha.S., Jayaveera.K.N., Studies on Synthesis and Characterization of Nano-Films of Polymer Blends of Poly (Styrene) and Cellulose Acetate** – International Conference on Advances in Functional Materials in UCLA (AAAFM-UCLA 2020), University of California, Los Angeles, USA, 18th-20th August 2021 (Accepted & to be published by Springer).

4. **Srilalitha.S., Physico-Chemical properties of Poly (Ethylene oxide) in Aqueous, Binary Mixtures of Water and DMF and pure DMF Solutions** – National Conference on Advances in Chemistry and Chemical Engineering (NCACACE-2021) –Department of Chemistry JNTUH College of Engineering, Hyderabad (T.S), INDIA, 28th & 29th January 2021.
5. **Shashikala.K., Tirumala Chary.M., Srilalitha.S., An Efficient Synthesis of Novel Anti influenza Viral and Cytotoxic Derivatives of 4-oxothiazolidin-3-yl)-3-hydroxyquinoxaline-2-carboxamide** – International Conference on Material Science, Smart structures and Applications (ICMSS 2020) – Inventive Research Organization and Surya Engineering College, Erode (TN), INDIA, 15th & 16th October 2020.
6. **Srilalitha.S., Jayaveera.K.N., Studies on Synthesis and Characterization of Nano Films of Poly (vinyl chloride) and Cellulose acetate** – International Conference on Advances in Functional Materials (AFM-2020), South Korea, scheduled from 17th -19th August 2020 postponed due to COVID -19 (Accepted & to be published by Springer).
7. **Srilalitha.S., Physico - Chemical Properties of Poly (ethylene oxide) in Aqueous, Binary mixture of water and DMF and pure DMF solutions** – International Conference on Recent Advances in Analytical Science (RAAS-2020) - Department of Chemistry, Indian Institute of Technology (BHU), Varanasi (UP), INDIA 25th-28th March 2020 postponed due to COVID-19.
8. **Shashikala.K., Srilalitha.S., Tirumala Chary.M., An Efficient Synthesis of Novel Quinoxaline-2- cabohydrazide N - oxide derivatives** – International Conference on Recent Advances in Analytical Science (RAAS-2020) - Department of Chemistry, Indian Institute of Technology (BHU), Varanasi (UP), INDIA, 26th -28th March, 2020 (Postponed due to COVID-19).
9. **Srilalitha.S., Sri Madhuri.S., Synthesis & Characterisation of Nano Films of Polymer Blends of Poly (methyl methacrylate) and Celulose acetate** – International Conference on Purification and Recycling of Electronic Materials (ICPREM) – 2020, Centre for Materials & Electronics Technology, Hyderabad (TS), INDIA, 8th -10th March, 2020.
10. **Srilalitha.S., Tirumala Chary.M., Sri Madhuri.S., The Role of Cellulose Acetate Biosensors in Biomedical Applications** - National Seminar on Current Trends in Chemistry (CTriC 2020) – Department of Applied Chemistry, Cochin University of Science and Technology (Kerala), INDIA, 6th-7th February, 2020.
11. **Tirumala Chary.M., Srilalitha.S., Synthesis of 2-(5-Aryl -1,3,4, oxadiazol -2 yl) Mythoxy) -3-Methyl Quinoxaline and 2-Methyl Quinoxaline -3-yl – Aryl 2H-Tetrazole – 2 –caboxylate carboxylate Derivatives** - National Seminar on Current Trends in Chemistry (CTriC 2020) – Department of Applied Chemistry, Cochin University of Science and Technology (Kerala), INDIA, 6th-7th February, 2020.

12. **Srilalitha.S., Characterisation of Nano films of Polymer Blends of Cellulose acetate and Poly (methyl methacrylate)** – International Conference on Computing, Communication, Electrical and Electronics Engineering (ICCCEEE-2020) – G Pulla Reddy Engineering College, Kurnool (AP), INDIA, 10th-11th January, 2020.
13. **Srilalitha.S., Sri Madhuri.S., Studies on Apparent Molar Volumes of Poly (Ethylene glycol) in Water, Aqueous Dimethyl Sulphoxide and Dimethyl Sulphoxide** – National Conference on Applied Physics and Materials Science (APMS)- 2019) – Department of Physics, Vasavi College of Engineering, Hyderabad (TS), INDIA, 28th December, 2019.
14. **Srilalitha.S., Sri Madhuri.S., Krishnamohan,C.V.R., Green Technology and Green Chemistry- A Review**-National Conference on Emerging Technologies and Environmental Sustainability (NCETES-2019) - Dept. of Humanities and Sciences, Global Institute of Engineering & Technology, Hyderabad (TS), INDIA, 27th - 28th June, 2019 (accepted for Publication in International Journal of Environment and Sustainable Development).
15. **Krishnamohan.C.V.R., Murali Krishna.K.V.S.G., Srilalitha.S., Vertical Farm-An Artificial Ecosystem for the Future**-National Conference on Advance in Engineering, Technology & Sciences (NCATS) 2019 - Spoorthy Engineering College, Hyderabad (TS), INDIA, 4th April 2019. Suraj Punj Journal for Multi Disciplinary Research (ISSN No: 2394-2886), Vol.9, Issue 4 (I.F-6.3).
16. **Srisailam.G., Mohammed.V., Srilalitha.S., Indushree.R., Sunder Kumar.K., An Emphasis of Fluoride Effect on Human Health and Treatment-Review** 11th International Conference on Research in Science, Technology and Management (RSTM-18) – Osmania University Campus, Hyderabad (TS) INDIA, 11th March, 2018 (ISBN:978-93-87793-05-7). International Journal of Advance Research in Science and Engineering (ISSN: 2319-8346), Vol.7, Issue 3, March, 2018, pg 182-190 (I.F-2.83) (UGC S.No.:47721).
17. **Srilalitha.S., Jayaveera.K.N., Madhvendra.S.S., Synthesis and Characterization of Polymer Blend-Nano Films of Poly (Vinyl Acetate) and Cellulose Acetate** – International Conference on Emerging Trends in Chemical and Pharmaceutical Sciences and 2nd convention on ICCP (ICETCPS 2014) – Dept. of Chemistry, JNTU Anantapur (AP), INDIA, 15th – 17th October, 2014.
18. **Srilalitha.S., Jayaveera.K.N., Madhvendra.S.S., The Effect of Dopant, Temperature and Band Gap on Conductivity of Conducting Polymers** – International Journal of Innovative Research in Science, Engineering and Technology (ISSN: 2319 - 8753), vol.2, Issue 7, July, 2013 pg 2694 - 2696 (I.F-6.209).

19. **Srilalitha.S., Jayaveera.K.N., Madhvendra.S.S., Jayanth Kumar. A., Synthesis and Characterisation of Polyblend – Nanofilms of Poly (methyl methacrylate) and Poly (styrene)** - International Conference on Nanomaterials for Frontier Applications & Indo-Norwegian Workshop on Advanced materials for Solar Applications (ICNFA 2013) - Coimbatore Institute of Technology, Coimbatore (TN), INDIA, 10th - 12th July, 2013, accepted for publication in International Journal of Nanoscience and Nanotechnology.
20. **Srilalitha.S., Jayaveera.K.N., Rheological Studies of Poly (ethylene Glycol) in Water, Aqueous Dimethyl Sulphoxide and Dimethyl Sulphoxide** - International Conference on Emerging Trends in Chemical and Pharmaceutical Sciences and 1st convention on ICCP (ICETCPS 2013) - Dept. of Chemistry, JNTU Anantapur (AP), INDIA, 28th - 30th June, 2013. International Journal of Pharmacy and Chemistry (ISSN: 0973 – 9874); Vol. 7, Issue: 2, April - June 2013, pg 29 - 32 (I.F-0.954).
21. **Srilalitha.S., Jayaveera.K.N., Madhvendra. S.S., Synthesis and Studies of Differential Scanning Calorimetry, Scanning Electron Microscopy and Mechanical Properties of Biodegradable Poly (β – hydroxy butyrate), its Applications and a Comparitive Study with Poly propylene –** International Refereed Journal of Engineering and Science (ISSN: 2319-1821); Vol.2, Issue: 6 June, 2013, pg 30–32 (I.F-2.31).
22. **Srilalitha.S., Jayaveera.K.N., Madhvendra. S.S., Synthesis and Characterisation of Nano - Films of Hydrolysable Synthetic Biodegradable Polymers –** International Journal of Innovative Research in Science, Engineering and Technology (ISSN: 2319 - 8753); Vol. 2, Issue 5, May 2013, pg 1582-1583 (I.F-6.209).
23. **Srilalitha.S., Jayaveera.K.N., Madhvendra.S.S., Jayanth Kumar.A., Characterisation of Poly blend - Nanofilms of Cellulose Acetate and Poly styrene –** International Conference on Nanoscience and Nanotechnology (ICONN 2013)– Dept. of Physics and Nanotechnology, SRM University, Kattankulathur, Chennai (TN), INDIA, 18th – 20th March, 2013. (Asian Journal of Chemistry (ISSN: 0970 - 7077); Vol. 25, Supplementary Issue (2013), pg S329 - 332 (I.F-4.592).
24. **Srilalitha S., Conservation and Sustainable Use of Medicinal Plants, Amla and Tulasi –** National conference on Conservation of Medicinal Plants – Herbal Products and their Uses - by Dept of Botany, Arts and Science College for Women Andhra Mahila Sabha OU Campus, Hyderabad (AP), INDIA, 25th - 26th November, 2010.
25. **Srilalitha.S., Jayaveera.K.N., Madhvendra.S.S., Acoustical parameters of poly (styrene) and cellulose acetate blends.**
(Communicated to Journal of Applied Polymer Science)

26. **Srilalitha.S., Jayaveera.K.N., Madhvendra.S.S., Characterization and Physico - chemical studies of Membranes of Cellulose acetate and Poly (vinyl chloride) -** 58th Annual Convention and International Seminar, Indian Institute of Technology, Bombay (MH), INDIA, 22nd - 23rd November, 2003 (Communicated to Journal of Membrane Science).
27. **Srilalitha.S., Jayaveera.K.N., Madhvendra S.S. The effect of Dopant, Temperature and Band Gap on Conductivity of Conducting Polymers -** Seventh National Conference of the Society for Polymer Science, India and International Seminar of Frontiers of Polymer Science and Engineering – by Department of Materials Science Centre, Indian Institute of Technology, Kharagpur (WB), INDIA, 9th -11th December, 2002.
28. **Srilalitha.S., Jayaveera.K.N., Madhvendra.S.S., Hydrolysis of Synthetic Biodegradable polymers -** Seventh National Conference of the Society for Polymer Science, India and International Seminar on Frontiers of Polymer Science and Engineering – by Department of Material Science Center, Indian Institute of Technology, Kharagpur (WB), INDIA, 9th – 11th December, 2002.
29. **Srilalitha.S., Jayaveera.K.N.; Madhvendra.S.S., Studies on Characterization of Membranes of Poly (methyl methacrylate) and Cellulose Acetate -** Seventh National Conference of the Society for Polymer Science, India and International Seminar on Frontiers of Polymer Science and Engineering - by Department of Materials Science Centre, Indian Institute of Technology, Kharagpur (WB), INDIA, 9th–11th December, 2002
(Communicated to Journal of Membrane Science and final revised version is under preparation).
30. **Srilalitha.S., Jayaveera.K.N., Madhvendra.S.S., Studies of Differential Scanning Calorimetry, Scanning Electron Microscopy and Mechanical Properties of Biodegradable Poly (β -hydroxy butyrate), its applications and a Comparative study with Poly propylene -** National Conference on Tissue Replacement Materials & Devices and Biodegradable Polymers & Composites for the Millennium Ahead - by Department of Materials Science Centre, Indian Institute of Technology, Kharagpur (WB),INDIA, 6th - 8th December, 2000.
31. **Srilalitha.S., Jayaveera.K.N., Madhvendra.S.S., Characterization and Physico - Chemical, Mechanical Properties of Membranes of Cellulose Acetate, Cellulose Acetate with Poly (Vinyl acetate) and Poly (vinyl acetate)** National Conference on Tissue Replacement Materials & Devices and Biodegradable Polymers & Composites for the Millennium Ahead - by Department of Materials Science Centre, Indian Institute of Technology, Kharagpur (WB), INDIA, 6th - 8th December, 2000 (Communicated to Journal of Membrane Science and final revised version is under preparation).

32. **Srilalitha.S., Subha.M.C.S., Chowdoji Rao.K., Ultrasonic Studies of PEG in H₂O, Aqueous DMSO and DMSO solutions**
Journal of Pure and Applied Ultrasonics (ISSN: 0256 - 4637); Vol. 18, July (1996), pg 59 – 73.
33. **Srilalitha.S., Subha.M.C.S., Chowdoji Rao.K., Ultrasonic, density and Viscosity studies of Methyl Ethyl Ketone with (Ethylene Glycol) Solutions** - Seventh National Symposium on Ultrasonics - By Ultrasonic's Society of India and Mepco Schlenk Engineering College, Sivakasi (TN), INDIA, September 6th - 7th, 1996.
34. **Srilalitha.S., Subha.M.C.S., Chowdoji Rao.K., Ultrasonic Velocity and Viscosity studies of liquid mixtures of iso-octane with various Amines** - Seventh National Symposium on Ultrasonics - By Ultrasonic Society of India and Mepco Schlenk Engineering College, Sivakasi(TN), INDIA, September 6th - 7th, 1996.
35. **Srilalitha. S., Jayaveera. K.N., Madhvendra. S.S., Apparent molar volume of Solutions of poly (Ethylene Glycol) in water, Aqueous Dimethyl Sulphoxide and dimethyl sulphoxide**
(Communicated to Physics and Chemistry of Liquids and final revised version is under preparation).

SEMINARS / CONFERENCES / TRAINING ATTENDED

1. **National Conference on Recent Trends in Material Science (RTMS-2K23)** – Department of Chemistry, Andhra Layola College, Vijayawada (AP), INDIA, 13th and 14th February 2023.
2. **International Conference on Advances in Functional Materials in UCLA (AAAFM-UCLA 2020)**, University of California, Los Angeles, USA 18th -20th August 2021.
3. **International Conference on Material Science, Smart Structures and Applications (ICMSS 2020)**, Inventive Research Organisation and Surya Engineering College, Erode (TN), INDIA, 15th to 16th October 2020.
4. **International Virtual Conference on Multidisciplinary Research & Innovation (UPACRI 2020)** DHS Foundation, New Delhi, in Collaboration with Campbell University, USA on 12th July 2020
5. **International Conference on Advances in Functional Materials (AFM-2020)**, South Korea scheduled from 17th -19th August 2020 (postponed due to COVID- 19).
6. **International Conference on Recent Advances in Analytical Science (RAAS-2020)** - Department of Chemistry, Indian Institute of Technology (BHU), Varanasi (UP), INDIA, 26th -28th March 2020 (Postponed due to COVID-19).

7. **International Conference on Purification and Recycling of Electronic Materials (ICPREM-2020)** – Centre for Materials for Electronics Technology (C-MET), Hyderabad (TS), INDIA, 8th-10th March 2020.
8. **National Seminar on Current Trends in Chemistry (CTric 2020)** – Cochin University of Science & Technology (Kerala), INDIA, 6th-7th February 2020.
9. **International Conference on Computing, Communication, Electrical and Electronics Engineering (ICCCEEE – 2020)** – G Pulla Reddy Engineering College, Kurnool (AP), INDIA, 10th-11th January 2020.
10. **Workshop on Interpretation of Instrumental Methods (WIIM-2020)** – CSIR National Metallurgical Laboratory & Satyabama Institute of Science & Technology, Chennai (TN), INDIA, 6th-10th January 2020.
11. **National Conference on Applied Physics and Materials Science (APMS) - 2019** – Vasavi College of Engineering, Hyderabad (TS), INDIA, 28th December 2019.
12. **AICTE sponsored Faculty Development Programme on “Engineering Chemistry”** – UGC-HRDC, Jawaharlal Nehru Technological University, Hyderabad (TS), INDIA, 6th-12th December 2019.
13. **National Conference on Advances in Engineering, Technology & Sciences (NCAETS-2019)**– Spoorthy Engineering College Hyderabad (TS), INDIA, 4th April 2019.
14. **International Conference on Researches in Science, Technology and Management (RSTM-18)** – Osmania University, Hyderabad (T.S), INDIA, 11th March 2018.
15. **International Conference on Recent Trends in Engineering, Science & Management (ICRTESM-2017)** – Godavari Institute of Engg & Technology at Osmania University, Hyderabad (T.S), INDIA, 19th November 2017.
16. **International Conference on Emerging Trends in Chemical and Pharmaceutical Sciences and 2nd convention on ICCP (ICETCPS 2014)** – Dept. of Chemistry, JNTU Anantapur (A.P), INDIA, 15th - 17th October 2014.
17. **International Conference on Nanomaterials for Frontier Applications & Indo-Norwegian Workshop on Advanced materials for Solar Applications (ICNFA 2013)** - Coimbatore Institute of Technology, Coimbatore (T.N), INDIA, 10th - 12th July 2013.
18. **International Conference on Emerging Trends in Chemical and Pharmaceutical Sciences and 1st convention on ICCP (ICETCPS 2013)** - Dept. of Chemistry, JNTU Anantapur (A.P), INDIA, 28th – 30th June 2013.
19. **International Conference on Nanoscience and Nanotechnology (ICONN 2013)** – Dept. of Physics and Nanotechnology, SRM University, Kattankulathur, Chennai (T.N), INDIA, 18th – 20th March 2013.

20. **National Seminar (DST Sponsored) on Nano Science in Pharmaceuticals** - MLR Institute of Pharmacy, Dundigal, Hyderabad (A.P), INDIA, 11th -12th April, 2012.
21. **National Seminar (UGC sponsored) on Conservation of Medicinal Plants – Herbal Products and their Uses** – Dept. of Botany, Andhra Mahila Sabha Arts and Science College for Women, O.U Campus, Hyderabad (A.P), INDIA, 25th - 26th November 2010.
22. **International Conference on Green Summit on Climate Change Issues and Concern** - Dept. of Chemistry and Botany, St.Ann's College for Women, Mehdiapatnam, Hyderabad (A.P), INDIA, 12th and 13th November 2010.
23. **National Intercollegiate Science Seminar on Immunity and Drugs** - Department of Zoology, Chemistry and Biotechnology, Andhra Mahila Sabha Arts and Science College for Women, O.U Campus, Hyderabad (A.P), INDIA, 15th September 2010.
24. **State level seminar (UGC sponsored) on Plastics - Boon or Bane** - Department of Chemistry, A.V College of Arts, Science & Commerce, Hyderabad (A.P), INDIA, 20th August 2010.
25. **National Conference on “Nano materials and Nano technology”** - Visvesvaraya National Institute of Technology, Nagpur (M.P), INDIA, 18th - 20th January 2010.
26. **8th National Conference on Solid State Ionics** – Department of Physics, Dr. Hari Singh Gour University, Sagar (M.P) (Central University), INDIA, 7th- 9th December 2009.
27. **International Conference on Technological Developments in the field of Oils, Fats & Allied Products** - Indian Institute of Technology, Bombay (MH), 22th - 23th November 2003.
28. **Seventh National Conference of the Society for Polymer Science, India and International Seminar on Frontiers of Polymer Science and Engineering** - Indian Institute of Technology, Kharagpur (W.B), INDIA, 9th -11th December 2002.
29. **National Conference on Tissue Replacement Materials & Devices and Biodegradable Polymers & Composites for the Millennium Ahead** - Department of Materials Science Centre, Indian Institute of Technology, Kharagpur (W.B), INDIA, 6th - 8th December 2000.
30. **National Conference on Polymer Blends of Industrial Applications**- Dept. of Material Research Centre, Indian Institute of Sciences, Bangalore (Karnataka), INDIA, 5th - 7th February 1996.
31. **International Workshop on Advanced Plastic and Rubber Composites** – Dept. of Material Science Centre, Indian Institute of Technology, Kharagpur (W.B), INDIA, 15th - 22nd January 1996.

32. **National Symposium on Polymers as Advanced Materials** (UGC sponsored) - Dept. of Polymer Science and Technology, S.K. University, Anantapur (A.P), INDIA, 10th November 1995.
33. **Inter - Disciplinary Symposium on Recent Trends in Advanced Materials** (UGC sponsored) - Dept. of Polymer Science and Technology, S.K. University, Anantapur (A.P), INDIA, 19th September 1994.
34. **Inter - Disciplinary Workshop on a Bio - Physical Instrumentation** - Dept. of Physics, S.K. University, Anantapur (AP), INDIA, 5th - 6th September 1994.
35. **National Symposium on Dimensional Measures on Environmental Pollution** - (UGC sponsored) - Dept. of Chemistry, S.K. University, Anantapur (AP), INDIA, 22nd August 1994.
36. **Seminar on Bio - Technology in Oils and Fats - Prospects and Opportunities** - by Oil Technologist's Association of India and Dept. of Chemical Technology, University of Bombay, Bombay (Maharashtra), INDIA, 19th March 1994.
37. **Seminar on DNA Protein Interactions** - Department of Biochemistry, S.K. University, Anantapur (A.P), India, 26th February 1994.
38. **Workshop on Scientific / Analytical Instrumentation for Research Scholars** - By Department of Instrumentation, S.K. University, Anantapur (A.P), INDIA, 13th - 16th October 1993.
39. **Training in Entrepreneurial Development Programme** conducted by Andhra Pradesh Industrial and Technical Consultancy Organization Limited, Hyderabad, INDIA, 1990.

OTHER ACTIVITIES

- Writing Text Books of Chemistry and Polymer Science
- Working as a Translator in Vidya Graphics, an Organization for Cultural Development
- Writing articles on Cultural and Social activities
- Gave programs in All India Radio
- Book reading
- Learning and Listening Music
- Playing Chess and Badminton
- Gardening

MY STRENGTHS

- Strong Will Power
- Dedication towards Work
- Punctuality
- Sincerity
- Hard Working

PERSONAL

- Name : **S. SRILALITHA**
- Qualification : **M.Sc, M.Phil, Ph.D**
- Marital Status : **Married**
- Languages Known : **Telugu, English, Kannada, Hindi**

REFERENCES

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