

CURRICULAM VITAE

Dr.(Mrs.) M.C.S.Subha, M.Sc., M.Phil., Ph.D.

Rector & Incharge Vice-chancellor

Senior Professor

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- 1. Date of Birth and Place** : **June 06, 1957, Guntakal, Anantapur, (Dt) A.P.**
 - 2. Nationality** : **Indian**

3. Caste : **BC-‘D’ KATIKA**

4. Awards / Recognition by the state/National/International level

- 1) Andhra Pradesh State Best Teacher Award- 2006.
- 2) Bharat Jyothi Award, International Friendship Society (New Delhi)-2006
- 3) Common wealth Academic staff fellowship award U.K. (1993-94)
- 4) UGC New Delhi, INSA award – 1998-99
- 5) MARQUIS WHO’s WHO in Science & Engineering (New Jersey, U.S.A), 2009-2010.
- 6) UGC, New Delhi visiting Scientist – 1994-1996.
- 7) Maharani Jhanshi Puraskar awarded by Bharatiya Samskruthi Nirman Parishad, Hyderabad-2010.

5. Professional Membership

Life Member of Professional bodies

- Indian Association of Nuclear Sciences, **BARC, Mumbai.**
- Indian Society of Technical Education, **New Delhi.**
- Indian Membrane Society, **Baroda, India.**
- Ultrasonic Society of India, **New Delhi.**
- Indian Chemical Society, **Calcutta.**
- Indian Society for Surface Science and Technology, **Calcutta..**
- Society for Polymer Science, **Karnataka, India.**
- American Biographical Institute – **Member of Professional Women’s Advisory Board.**

6. **Education**

Ph.D, 1987, Sri Krishnadevaraya University, Anantapur.

M.Phil, 1981, Sri Krishnadevaraya University, Anantapur.

Post Graduation, M.Sc Chemistry, 1979, S.V.University, Tirupathi.

Graduation, B.Sc. 1977, S.V.University, Tirupathi.

CSIR SRF, New Delhi, 1982-1983.

CSIR JRF, New Delhi, 1980-1982.

7. **Professional and Academic Experience**

35 Years and 3 months P.G teaching Experience at S.K University only.

19 Years and 5 months as Professor of Chemistry at S.K.University.

8. **Employment:**

1982-1989 – Lecturer/Assistant Professor, S.K. University, Anantapur.

1989-1998 – Reader/Associate Professor, S.K. University, Anantapur.

1998-till date – Professor, S.K. University, Anantapur.

9. **Achievements at a glance**

- 39 Years of research experience in the fields of
 - Physical Chemistry:** (i) Thermodynamics study of liquid mixtures.
(ii) Chemical kinetics.
 - Polymer Chemistry:** (i) Polymer Membranes-Pervaporation Studies.
(ii) Drug Delivery.
(iii) Polymer Surfactant interactions.
(iv) Titration micro calorimetry.
- Successfully guided **27 students** for Ph.D, **12 students** presently working for Ph.D and **7 students** for awarded M.Phil and 3 M.Phil working as Principal Investigator for **5 Major** and **2 Minor** Research projects.
- Published nearly **171** (Foreign Journals: 110; Indian Journals: 61) original Research Papers in peer-reviewed journals.
- Presented **105** Research Papers in National and International Scientific Conferences in India and abroad.
- **Organized** Two day National seminar on **“Role of Chemistry in Emerging areas of Biology and Industries-RCEABI-2006”** in Chemistry at S.K. University, Anantapur. 24-25, March 2006.
- **Organized** Three day National seminar on **“Mordern Trends in Ananalytical Methods of Ananalysis-MTAMA-2008”** in Chemistry at S.K. University, Anantapur. 25-27, Feb, 2008.
- Was Invited as Speaker for different Seminars/Conferences and Chaired number of sessions in various Seminars & Conferences.
- **Funds Obtained:** (i) Established an advanced laboratory on Membrane / Drug delivery Research Laboratory using modern instruments costing worth of **Rs. 60.0 lakhs** obtained for research includes, Fellowships for scholars, chemicals, glassware and other infrastructures from funding agencies like UGC, DRDO etc.

(ii) As Head of the Department, I could get grant from DST to a tune of **Rs 1.15 crores** for purchase of advanced instruments during 2005-2008.

10. Administrative Experience around the service:

Contributed to the academic growth and the development of Sri Krishnadevaraya University:
33 years

Incharge Vice-chancellor : S.K.University, Since April 2018-till date.

Rector : S.K.University, Since Febraury 2018-till date.

Dean, UGC Affairs : S.K.University, July 2017- Febraury 2018.

Member : S.K.University central purchasing committee, July 2017-
Febraury 2018.

Member : A. P. Pollution Control Board Since June 2016-till date.

Dean Faculty of Physical Sciences : S.K.University, for a period of Two Years (July 2015- July 2017)

Additional Warden for Ladies Hostel : S.K.University, for a period of 1 year 1 month (Sept 2016-Oct 2017)

Dean, CDC : S.K. University, Ananthapuramu from Jan 2014 to Jan 2016.

Deputy Warden : Ladies hostel for a period of 1 year in S.K University,
Anantapur (1992-1993).

Additional Director : Center for Distance Education, S.K. University
Anantapur for a Period of 1 year (2004-2005).

Dean, P.G exams : S.K. University, Anantapur for a period of one and half
year (2005-2007).

Head : Department of Chemistry, S.K. University, Anantapur for
a period of 3 years (2005-2008).

Chairperson

Board of Studies : Department of Chemistry, S.K. University,
Anantapur for a period of 3 years (2006-2009).

Vice-President : S.K. University, Teacher's association, Anantapur (2002-
2003)

E. C. Member : S.K. University, Teacher's association, Anantapur (2017-
Till date)

11. Served as member in different committees

1. Complaints & Grievances Committee.
2. Inter Collegiate Youth festival.
3. Central admission committee.
4. National Science day celebrations.
5. Women's day celebrations.
6. College magazine committee.
7. University convocation committee.
8. Inception and enquiries committee.
9. SKU College Hand Book Committee.
10. Committee on restructuring of Hostel and Central Hostel Office.
11. As Dean CDC, she was on many committees through APSICHE in evaluating the permission for affiliation to different colleges in AP in general and Ananthapuramu in particular.
12. Member-Governing body of Sri Sai Baba National Degree College (Autonomous), Ananthapuramu.

12. Area of Expertise both in Teaching and Research:

Chemical Kinetics, Thermodynamics, Electro Chemistry, Polymer Chemistry and Analytical Chemistry, Polymer membranes pervaporation and Polymeric drug delivery systems.

13. National/International Exposure:

- **Visited University of Leicester, U.K.** during the year 1993-1994 under Commonwealth academic staff fellowship.
- Academic visit Department of Chemistry, **University of Swansi, U.K.** (1994).
- Academic visit Department of IPTME, **Loughborough University, U.K.** (1994).
- **UGC-Visiting Fellowship** from UGC, New Delhi for a period of six months to work at IIT, New Delhi (1994-1995).
- **INSA Visiting Fellowship** from UGC, New Delhi for a period of 3 months to work at IICT, Hyderabad (1998-1999).

14. Work cited in Classified References and Journals as per Google scholars

Prof. M.C.S.Subha

Professor of Chemistry, Sri Krishnadevaraya UIniversity
Polymer Blends, Thermodynamic study of liquid mixtures, polymer membranes, Pervaparations, Polymer drug delivery studies

Citation indices	All	Since 2013
Citations	1529	981
h-index	19	16
i10-index	46	32

15. Research Grants:- Rs 60.0 Lakhs

Minor Research Projects

S.No	Name of the project	Amount (Rs.)	Funding Agency	Duration
1	Physico-Chemical properties of some bio-model compound in aqueous and mixed aqueous solutions	15,000/-	UGC New Delhi	1989-1991
2	Solute-Solvent interactions in Binary liquid mixtures	8,000/-	UGC New Delhi	1996-1997

Major Research Projects

S.No	Name of the project	Amount (Rs.) (lakhs)	Funding Agency	Duration
3	Physico-Chemical studies in the interaction between water soluble polymers and surfactant aggregates	2.7	UGC New Delhi	1997-2000
4	Hydrogels of interpenetrating polymer net work: Synthesis and applications	5.0	UGC New Delhi	2002-2005
5	Synthesis and Characterization of Novel Polymeric Particulate Drug Delivery Systems for Controlled Delivery and Targeting Applications	9.5	UGC New Delhi	2007-2010
6	Development and characterization of biopolymer based micro/nanoparticle systems for controlled drug delivery applications	19.80	DRDO, New Delhi - as co investigator	2011-2014
7	Development and characterization of Biodegradable polymer blends based on natural and synthetic polymers for Pervaporation and Packaging films applications	12.5	UGC New Delhi	2011- 2014
8	UGC BSR One Time Grant	7.00	UGC New Delhi	2012-14

16. Research Guidance

(i) Ph.D Students Guided:

Ph.D Degree: Completed: 27

S.No	Name of the Candidate	Topic	Degree	Year
1	C. Nagamani	Thermodynamic Study of Polymer Blend Solutions	Ph.D	1999
2	S. Bahadur Alisha	Physico Chemical Properties of Solutions	Ph.D	2001
3	M. Eswari Bai	A Study of Molecular Interactions in Solutions	Ph.D	2002
4	N. Surendra Babu	Physico- Chemical Studies on the Interaction between Water Soluble polymers and Surfactant aggregates	Ph.D	2002
5	K.S.V. Krishna Rao	Polymer Interpenetrating Network Systems: Synthesis, Development and Applications.	Ph.D	2005
6	K.G. Neerajakshi	Solute Solvent Interaction Studies	Ph.D	2006
7	R. Bharathi	Synthetic Utility of Macromolecules based on their Physico-Chemical Properties.	Ph.D	2006
8	K. Mallikarjuna Reddy	Synthesis and development of New Polymeric Membranes for controlled release of Bioactive Molecules/ Pervaporation	Ph.D	2007
9	A.B.V. Kiran Kumar	Synthesis of Antimicrobial studies on some Novel Organo Sulphur compounds and Isonazoliers	Ph.D	2007
10	C. Lakshminarayana Reddy	Synthesis and Characterization of novel polymeric matrices for controlled drug delivery applications	Ph.D	2009

11	T. Sobha Rani	Optimization of the synthesis, characterization and application water gels base silica aerosols and their by brides.	Ph.D	2009
12	B. Yerri Swamy	Development and evaluation of interpenetrating polymeric microspheres for drug delivery applications	Ph.D	2010
13	P. Rama Krishana	Development and evaluation of polymeric matrices for controlled release applications	Ph.D	2010
14	Narashimha Sharma	Synthesis and pharmacological activities of some heterocyclic compounds	Ph.D	2010
15	D.M. Suhasini	A Study of Advanced Organic Molecules.	Ph. D	2011
16	S Nagaraju	Solute-solvent interactions studies of amino acids	Ph. D	2012
17	B. Mallikarjuna	Polymeric nano carriers for drug delivery applications	Ph. D	2012
18	K. Madhusudhana Rao	Polymers for pervaporation and target drug delivery	Ph. D	2013
19	A.Sreenivasa Reddy	Novel acid and Base catalysed rearrangement studies on ethers. Synthesis or regiospecific Ketones, Chiral Amines and Amino acids.	Ph. D	2014
20	A. Chandra Babu	Design synthesis and characterization of novel biodegradable polymeric matrices for medical applications	Ph. D	2014
21	S. Siraj	Design and development of biodegradable polymeric microspheres/hydrogels for	Ph. D	2014

		biomedical applications		
22	K. Vijaya Lakshmi	Thermodynamic and transport studies on molecular interactions in binary liquid mixtures	Ph. D	2014
23	U. Sajankumarji Rao	Preparation and characterization of polymer membranes for separation of liquid mixtures using pervaporation techniques.	Ph.D	2015
24	K.V.Sekharnath	Preparation and characterization of mixed matrix membranes for separation of liquid mixtures using pervaporation techniques.	Ph.D	2015
25	P. Sudhakar	Development of polymeric micro particulate drug formulations and their in – vitro release characteristics and applications	Ph.D	2015
26	N. Jayachandra Reddy	Thermo physical properties binary liquid mixtures	Ph.D	2016
27	B.Satyanarayana Reddy	Industrial Pharmaceutical analysis	Ph.D	2016

(ii) Ph.D Degree: Ongoing: 12

S.No	Name of the Candidate	Topic	Degree
1	K. Radha Krishna Murthy	Thermodynamic study of liquid mixtures	Working
2	J. Veera Seshaiiah	Polymeric membranes for drug delivery applications	Working
3	K. Ravi	Physico-chemical properties binary liquid mixtures	Working

4	A.Rajashekharan	Pharmaceutical preparation of drugs	Working
5	O Sreekanth Reddy	Design and development of Polymeric Micro/Nano drug formulations for drug delivery	Working
6	M Anjeneyalu	Synthesis of Polymer Matrices for Drug Delivery Applications.	Working
7	S. Bharathi	Thermodynamics study of Liquid Mixtures	Working
8	M. Shravani	Drug Delivery Applications of Bio Polymers	Working
9	T. Jeetendra	Design and development of Novel Polymeric matrices for Biomedical Applications.	Working
10	M. Prasad Reddy	Synthesis and Characterization of some Heterocyclic compounds	Working
11	K Janardhan Reddy	Synthesis of some novel compounds for Pharmological Applications	Working
12	A Parandhama	Synthesis, Characterization, control drug release and pervaporation applications of Polymer matrices.	Working

(iii) M.Phil Degree: Completed: 7

S.No	Name of the Candidate	Topic	Degree	Year
1	C. Nagamani	Solute-Solvent Interactions	M.Phil	1989
2	S. Bahadur Alisha	Thermodynamic study of Binary Liquid Mixtures	M.Phil	1993
3	D. Ansari Begum	Physico-Chemical Studies of Solutions	M.Phil	1994
4	S. Srilalitha	Physico-Chemical Properties of Polymer Solutions	M.Phil	1995

5	B. Nagendra Prasad	Ion-Solvent Interactions	M.Phil	1999
6	K. Vijaya lakshmi	Solute-solvent interactions	M.Phil	2010
7	U. Sajan Kumarji Rao	Preparation and characterization of polymer membranes of liquid mixtures using pervaporation technique.	M.Phil	2013

(iv) M.Phil Degree: Ongoing: 3

S.No	Name of the Candidate	Topic	Degree
1	Murali Mohan	Thermodynamic properties of liquid mixtures	Working
2	Praveena M	Physico-chemical properties of liquid mixtures	Working
3	Joshna Devi B	Physico-chemical properties of binary liquid mixtures	Working

17. Reviewer for Peer-Reviewed Journals

- J. Chem. Eng. Data (American Chemical Society)
- J. Chem. Thermodynamics (Elsevier Publications – Science Direct)
- Indian Journal of Chemistry (CSIR, New Delhi)
- Ind. J. Pure and Applied Physics (New Delhi)
- Journal of Indian Chemical Society (Kolkata)
- Journal of Applied Polymer Science (U.S.A)
- African Journal of Environmental Science & Tech
- Journal of Advances in Polymer Technology (U.K)

18. Research project evaluator

- a. Acted as evaluator for **DST funding projects.**
- b. Acted as evaluator for **BRNS projects from BARC, Mumbai.**
- c. Acted as evaluator for **post doctoral fellowship by UGC New Delhi.**

19. Peer reviewer for research theses

- Acted as an external examiner in **evaluating the research thesis work** carried out by students since 1982 to till date for various universities.

20. Evaluator for Professorship of other university staff

- Acted as **evaluator for the staff of Kuvempu University**, Karnataka.
- As A.P Govt. nominee in connection with appointment of teaching staff in Sri Padmavathi Mahila University, Tirupati.

21. Radio talk

- a. Gave few radio talks and essays on famous scientists at All India Radio, Anantapur.

22. Paper setting

Andhra University, Waltair, **Visakhapatnam**.

S.V. University, **Tirupati**.

Osmania University, **Hyderabad**.

Kakatiya University, **Warangal**.

Gulbarga University, **Gulbarga**.

Bangalore University, **Bangalore**.

Yogivemana University, **Kadapa**.

23. Special courses attended

- a. Attended the **winter school on Polymeric Materials for Engineering Applications** at IIT New Delhi from 12th – 24th Dec'98.
- b. Attended the **summer school on Pollution Control in Chemical Process Industry** at DDIT, Nadiad from May 1 to May 12, 1989.
- c. Attended **“Refresher course on Computer Literacy”** at S.K.University Anantapur from Dec 3 to Dec 31, 1997.
- d. Attended workshop on **Applications of Internet & Intranet for University College Teachers at S.K.University**, Anantapur from Mar 28 to Mar 31, 2008.

24. Board of Studies:

- a. **Chairperson of Board of Studies in Chemistry, S.K.University**, Anantapur from 2006 to 2009.
- b. **Member of Board of Studies in Chemistry, S.K.University**, Anantapur from 1982 to till date.
- c. **Member of Board of Studies in Chemistry, Silver Jubilee College**, Kurnool from 2009 to till date.

25. List of Total Publications of in Peer –Review Journal: 171

Foreign: 110

Indian : 61

26. Papers presented at Seminars/Conferences: 100

National: 87

International: 13

DECLARATION:

I declare that all the particulars mentioned above are correct and true to the best of my knowledge and belief.

Place:

Date:

Prof M.C.S. SUBHA.