



CURRICULUM VITAE



Name : **Dr. NANNA RAMA SWAMY**

Father's Name : Venkat Rajam

Mother's Name : Venkatamma

Date of Birth : 19th February, 1956

Designation : Professor

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Warangal (TS), INDIA
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Academic Qualifications (Professional Career – Post Graduation Onwards):

Sl. no	Degree Awarded	Year	Institution	Place
1.	M.Sc. Botany	1978	Kakatiya University	Warangal
2.	Ph.D. Botany (Genetics & Plant Breeding)	1983	Kakatiya University	Warangal
3.	Post-Doc. CSIR	1983	Kakatiya University	Warangal
4.	RA UGC	1984	Kakatiya University	Warangal
5.	Post-Doc. Indo-Nether Lands Cultural Exchange Fellowship	1997	Dept. of Genetics Vrije University, Amsterdam, The Netherlands	The Netherlands
6.	TWAS-Visiting Associate Fellow	2002	Third World Academy of Sciences TWAS-UNESCO	National Centre for Genetic Resources & Biotechnology, Brasilia, Brazil
7.	TWAS- Visiting Associate Fellow	2004	Third World Academy of Sciences TWAS- UNESCO.	National Centre for Genetic Resources & Biotechnology, Brasilia, Brazil
8.	Indo-Hungarian Cultural Exchange Fellowship	2007	INDO-HUNGARIAN Academy of Sciences Fellowship	BRC, Szeged, Hungary
9.	TWAS-Visiting Associate Fellow	2008 & 2009	Third World Academy of Sciences TWAS- UNESCO.	National Centre for Genetic Resources & Biotechnology, Brasilia, Brazil

Area of specialization: Plant Biotechnology

Teaching Experience: 32 years

Professional History:

- a. DBT-Visiting Research Professor, NEHU, Shillong (Appointed by the Ministry of Science and Technology, DBT, NEWDELHI) from October 2017 to April 2018.
- b. 2006- 2016: **Professor**, Department of Biotechnology, Kakatiya University
- c. 1996-2006: **Associate Professor**, Department of Botany, Kakatiya University.
- d. 1987-1996: **Asst. Professor**, Department of Botany, Kakatiya University.
- e. 1984-1987: **Adhoc Lecturer**, Department of Botany, Kakatiya University.

Teaching:

- ❖ Faculty to teach under graduate (B.Sc) students of University, University Arts & Science College, Kakatiya University for 10 years.
- ❖ Faculty to teach Post Graduate Students of University College, Kakatiya University for 22 years and till-to-date.

Research experience: 40 years

i) a. Publications: 161 (In Indian and Foreign Journals)

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|---|-------|
| i) No. of Review articles | : 25 |
| ii) No. of articles published in National Research Journals | : 30 |
| iii) No. of articles published in International Research Journals | : 106 |

b. Books Edited/ Authored : 20

1. Frontiers of Plant Biotechnology, DBT, New Delhi, 2001.
2. Gleanings in Plant Sciences. Regency Publications, New Delhi, 2004
3. Biotechnological applications for Improvement of *Solanum surettenses* A medicinal plant. Daya publishing House, New Delhi, 2006.
4. Recent Trends in Biotechnology. Regency Publications, New Delhi, 2007.
5. Cell Biology, Genetics, Bio Statistics & Ecology for M.Sc Botany of Dr.B.R. Ambedkar Open University, Hyderabad, 2009.

6. Biotechnology Course – III (B.Sc. Biotechnology).Telugu Akademy, Hyderabad. 2010.
7. Plant Biotechnology for M. Sc Botany of Dr. B. R. Ombekar Open University, Hyderabad, 2010.
8. Anthropology (Cell Biology & Genetics) for competitive Exams, Telugu Academy, Hyderabad, 2011.
9. Anthropology- I: Human Genetics- for UPSC and Other competitive examinations, Telugu Akademy, Hyderabad, 2011.
10. Anthropology- II: Evolutionary Genetics- for UPSC and Other competitive examinations, Telugu Akademy, Hyderabad, 2011.
11. Anthropology- III: Human Evolution - for UPSC and Other competitive examinations, Telugu Akademy, Hyderabad, 2011.
12. Intermediate I year Text Book, Telugu Akademy, Hederabad, 2012.
13. B.Sc. III year – Applications of Biotechnology- Paper –IV, Telugu Akademy, Hyderabad, 2012.
14. Common Core Syllabus for Intermediate- I year Botany, Telugu Akademy, Hyderabad, 2012.
15. Common Core Syllabus for Intermediate II year Botany, Telugu Akademy, Hyderabad, 2013.
16. B.Sc. II year-Biotechnology-Biological Chemistry, Telugu Academy, Hyderabad, 2018.
17. Micropropagation and Phytochemical studies of an endangered medicinally important forest tree species *Oroxylum indicum* L. Kurz. Akinik publications, New Delhi, 2018.
18. Dr. Samatha Talari and **Prof. Ramaswamy Nanna**. Micropropagation and Phytochemical studies of an endangered medicinally important tree species *Oroxylum indicum* L. Kurz. Akinik Publications, New Delhi, India. ISBN 9789353- 351427, 2019.
19. Dr. T. Samatha and **Prof. N. Rama Swamy**. Conservation of an Endangered Medicinal Forest Tree Species, *Oroxylum indicum* L. Kurz, Through *In Vitro* Culture: A Review. Medicinal Plants: Biodiversity, Sustainable Utilization and Conservation. ISBN 978-981-15-1635-1 ISBN 978-981-15-1636-8 (eBook) <https://doi.org/10.1007/978-981-15-1636-8>
© Springer Nature Singapore Pte Ltd. 2020, corrected publication, 2020.

20. Dr. Rajiniaknth Marka and **Prof. Rama Swamy Nanna**. Transgenic approach for crop improvement in groundnut/peanut (Wondernut/Poor Man's cashewnut). SARA Book publications, Ahmedabad, ISBN: 978-93-88672-69-6, 2020.

ii) Areas of Research: Plant Genetic Engineering & Biotechnology, Plant Tissue Culture and Genetics & Plant Breeding.

iii) Nominated/ Elected to National Professional / Academic Bodies

- a. Fellow of Indian Botanical society.
- b. Fellow of Genetics and Plant Breeding.
- c. Fellow of Indian Association of Plant Morphologists.
- d. Fellow of Academy of Plant Sciences.
- e. Fellow of International Association of Plant Molecular Biology.
- f. Fellow of Indian Science Congress Association.
- g. Fellow of International Association of Plant Biotechnology.
- h. Fellow of Linnaean Society of London, UK
- i. Nominated as Member on the Board of Studies in **Human Nutrition and Nutraceutical Chemistry**, Duvvuru Ramanamma Womens College, Gudur (AP) from 7-4-2012 to 6-4-2014.
- j. External Member on the **Board of Studies in Botany, Microbiology and Biotech** (2012-2014), Satavahana University, Karimnagar, AP.
- k. External Member on the **Board of Studies in Botany**, Gulbarga University, Karnataka.
- l. External Member on the **Board of Studies in Biotechnology**, Dravidian University, Kuppam, Andhra Pradesh.
- m. External Member on the **Board of Studies in Biotechnology**, Telangana University, Nizambad, Telangana.

iv) Member on Editorial Board:

1. Editor, Advances in Plant Sciences.

2. Editor, International Journal of Plant Science.
3. Advisory Board member of Biozone, International Journal of Life Science
4. International Journal of Genetics and Molecular Biology.
5. International Journal of Environment.
6. Journal of Plant Cell and Tissue Research.

V) Review work:

1. *In vitro* Devt. Biology (Plant) – Springer.
2. Journal of Biotechnology – Elsevier.
3. International Journal of Genetics and Molecular Biology.
4. Indian Journal of Biotechnology.
5. Advances in Plant Sciences.
6. Journal of Biochemistry and Biotechnology.
7. International Journal of Plant Omics.
8. International Journal of Physiol. & Bio-Chem .
9. International Journal of Plant Science.
10. Journal of Medicinal Plant Research.
11. Journal of Developmental Biology & Tissue Eng.
12. International Journal of Environment.
13. Journal of Plant Cell and Tissue Research.
14. Journal of Plant Cell Reports.
15. Journal of Plant Cell Tissue and Organ Culture.

Vi) Nominated/ Elected to International bodies

- a. Nominated as Honorary Advisor for TWAS-UNESCO Research Grants, Italy.
- b. **International Scientist Award of Year for 2008**, International Biographical Centre, UK.
- c. Inclusion in the edition of **Marquis Who'sWho-** Who's who in Science and Engineering.

- d. Elected as Active Fellow of **New York Academy of Sciences 2006, USA.**
- e. Nominated as **outstanding scientists of the 21st Centaury 2007, IBC, England.**
- f. **IBC Foremost Scientist of the World-2008, Cambridge, England.**
- g. **Who's Who in Science and Engineering-2007, USA.**

Vii) Major Research Projects

1998-2001: Developing Protocols for Micropropagation and Genetic Transformation for improvement of *Terminalia tomentosa*, **Dept. of Biotechnology, Govt. of India.**

1998-2001: Mulberry improvement through Somatic fusion, **Dept. of Biotechnology, Govt. of India.**

1999-2002: Engineering Abiotic Stress Resistance using HVA1 gene in Cultivated Tomato, **AICTE, Govt. Of India.**

2001-2004: Developing Protocols for Micro propagation of an endangered Forest Tree *Givotia rottleri formis*, **Ministry of Environment & Forests, Govt. Of India.**

2002-2005: Development of Transgenic disease resistant soybean, **TWAS – UNESCO.**

2004-2007: Molecular Cloning and engineering Salt Tolerance in Cultivated Tomato, **TWAS– UNESCO.**

2006-2009: Development of Transgenic Drought Tolerance in cultivated Tomato, **AP-Netherlands Biotech Programme.**

2007-2010: Development of Protocols for conservation and RAPD analysis of an endangered forest tree species *Wrightia tinctoria* **University Grants Commission, New Delhi.**

2011-2014: Molecular characterization of tassar silkworm, *Antheraea myliitta* and its host plants. **Department of Biotechnology, New Delhi.**

2015-2018: Genetic engineering for developing fungal resistance in Groundnut, **University Grants Commission, New Delhi.**

RESEARCH SUPERVISION:

M.Phils guided:

1. “*In vitro* micropropagation of *Sapindus trifoliatus* L.”- Mr. **K. Appa Rao** Oct, 2004, Kakatiya University.
2. “Molecular cloning of HSP gene” - Mr. **K. Bhasker Rao** , March, 2008, Kakatiya University.
3. “*In vitro* micropropagation of *Wedelia chinensis* (OSBECK) Merr. (Asteraceae): A medicinal Plant”-Mr. **S. Karunakar Reddy**, Dec, 2009, Kakatiya University.

Ph. Ds guided:

1. “Tissue culture studies in *Solanum surattense* Burm.f.”- Mr. **T.Ugandhar, Project Fellow (DBT)**, Nov, 2002, Kakatiya University.
2. “Engineering Abiotic stress Resistance in cultivated Tomato”- Mr. **M. Praveen, TWAS- CAS Fellow**, Aug, 2006, Kakatiya University.
3. “Tissue culture studies in forest tree *Terminalia alata* an important for Tasar silk industry” - Mr. **A. Lakshman, Project Fellow (DBT)**, Aug, 2006, Kakatiya University.
4. “Tissue culture studies in *Solanum nigrum*”- Mrs. **D. Sharada**, Nov 2007, Kakatiya University.
5. “Development of protocols for micropropagation of an endangered forest tree species *Givotia rottleriformis* Griff.”- **Mr. M. Rambabu**, Project Fellow (MoEF), March, 2008, Kakatiya University.
6. “Tissue Culture and Genetic Transformation studies in *Solanum torvum* SW – A medicinal Plant”- **Mr. M. Ghansingh**, SRF (RGNF), May 2011, Kakatiya University.
7. “Molecular cloning and Expression of MusaHSP gene in cultivated tomato”-**Mr. M. Upender**, SRF (AP Netherlands Biotechnology Program), July 2011, Kakatiya University.
8. “Development of protocols for conservation and RAPD analysis of an endangered forest tree species *Wrightia tinctoria* R. Br.” – **Mr. K. Madhusudhan**, Project fellow (UGC), Aug. 2011, Kakatiya University.
9. “Clonal propagation and conservation of economically important forest tree *Gmelina arborea*”-**Mrs. D. Ujjwala**, April, 2012, Kakatiya University.

10. "Micro Propagation and Phytochemical studies of an endangered and medicinally important forest tree *Wrightia tomentosa* Roem. & Schult."- **Mr. P. Srinivas**, Project fellow (UGC), May 2013, Kakatiya University. Warangal.
11. "*In vitro* conservation, nanoparticles synthesis, pharmacognostic and RAPD studies in medicinally important forest tree species *Strychnos potatorum* Linn." Mr. **K. Srikanth**, Project Fellow (**UGC-SAP-DRS**), July 2013. Kakatiya University. Warangal.
12. "Micropropagation and phytochemical studies of an endangered and medicinally important forest tree *Oroxylum indicum*. (L) Kurz."- **Mrs. T. Samatha**, JRF/SRF (RGNF), Aug. 2013, Kakatiya University, Warangal.
13. "Capsular polysaccharide production by *Streptococcus pneumonia* type3"-**Mr. M. Chandrashekar**, Jan. 2014, JNTU, Hyderabad.
14. "Engineering abiotic stress tolerance in cultivated tomato"-**Mr. G. Vikram**, JNTU, Hyderabad. April, 2014.
15. "*In vitro* micropropagation & phytochemical screening *Trichosanthis cucumerina* L: a threated medicinally important cucurbita"-**Mr. R. Shyamsundarachary**, Dec, 2014, Kakatiya University, Warangal.
16. "Micropropagation, phytochemical, pharmacological and RAPD analysis in *Senna alata* L. roxb. A medicinally important plant" -**Mrs P. Archana**, 2015, Kakatiya University, Warangal.
17. "Investigation of secondary metabolites production, optimization of *Agrobacterium tumefaciens* mediated genetic transformation and green synthesis of silver nano-particles in *Silybum marianum* (L.) using plant biotechnological approaches" -**Mr. Mohammad Hadi Ebrahimzadeh**, 2016, Kakatiya University, Warangal.
18. "*In vitro* micropropagation, genetic transformation, plant secondary metabolites production and green synthesis of nano-particles in *Althaea officinalis* (L.) using plant biotechnological approaches" -**Mrs. Fatemeh Soghra Younesikelaki**, 2016, Kakatiya University, Warangal.
19. "Development of transgenic fungal resistance in groundnut"- **Mr. M. Rajinikanth**, April, 2017, Kakatiya University, Warangal.
20. "Developing disease resistance in redgram" -**Mrs. B. Mahitha**, Sept, 2018, Kakatiya University, Warangal.

21. “*In vitro* conservation, screening of bioactive compounds & assessment of genetic diversity in globally endangered species- *Adansonia digitata* L”- **Mrs Shama Nazrin**, Aug, 2021, Kakatiya University, Warangal.

- ❖ Jointly Supervised Research Work of **Dr.M.Praveen** with **Prof Zhang, Chinese Academy of Sciences, China** under CAS-TWAS Programme

Post-Docs under my supervision:

- 1. Dr. E. Chamundeshwari, Post-Doc for Women (UGC)-2011-2016:** “Isolation and characterization of Trichosanthin-Anti HIV protein from Indian *Trichosanthes* spp.” **University Grants Commission, New Delhi.**
- 2. Dr. T. Samatha, Post-Doc for Women (UGC)-2013-2018:** “Micropropagation and Screening of Bioactive Compounds of *Adansonia digitata*, L.” A globally endangered medicinally important tree, **University Grants Commission, New Delhi.**

Guiding Ph. D Candidates: 01

DISSERTATIONS SUPERVISED FOR M.TECH/M.Sc BIOTECHNOLOGY: 24

- a. National Symposia / Conferences / Workshops attended and presented the research papers: 44**
- b. International Symposia / Conferences / Workshops attended and presented the research papers: 12.**

National Conferences / Symposia / Workshops Organized:

- a.** Conducted the Alumni Association Celebrations, 1995.
- b.** Workshop for Under Graduate Students in Biotechnology, 2001.
- c.** Workshop for Under Graduate Students in Biotechnology, 2002.
- d.** Workshop for Under Graduate Students in Biotechnology, 2003.
- e.** Organized Biotech Fest, Kakatiya University, Warangal, 2004.
- f.** Organized the Practical Orientation in Biotechnology for College Teachers, 22nd -27th Nov, 2004.

- g.** Organized the workshops for college teachers involved in Biotechnology Teaching on practical Paper – I, Paper – II, III & IV at
- Vaagdevi Degree & PG College, Hanamkonda, on 3rd & 4th December 2005.
 - SRR Govt. College, Karimnagar on 22nd December 2005.
 - SR & BGNR Govt. College, Khammam on 6th January 2006.
 - MAM-MVN Degree & PG College, Mancherial on 20th January 2006.
- h.** Organized the National Conference on Frontiers in Bioinformatics and Biotechnology, January. 2008.
- i.** Organized the Two- days National workshop on **Advanced Protocol Techniques in Animal sciences**, 30th to 31st March 2012, Organized by Department of Zoology, Kakatiya University.

International Conferences Organized:

International level : 04

- i). Organized the International conference on Plant Biotechnology & Molecular Biology, 15th – 17th August 2008.**

A three day International conference on **“Plant Biotechnology & Molecular Biology”** was organized during 15 – 17 August 2008. **Prof. K.C. Reddy, Chairman**, State Council of Higher Education (APSCHE), Chief Guest **Prof. N Linga Murthy** Vice Chancellor, Kakatiya University presided over Inaugural function. **Prof. Sudhir K Sopory**, ICGEB delivered the inaugural address. Eminent Scientists in the field of Biotechnology **Prof. RG Herrmann (Germany), Prof. MGK Jones (Australia), Prof. Jacques Hille (The Netherlands), Prof. Manoel Souza (The Netherlands), Prof. JL Aragao (Brazil), Prof. Autar Mattoo (USA), Prof. Jaideep Mathur (Canada)**, have delivered plenary lectures. About 400 Biotechnologists from Universities, Research Institutes, Laboratories and Biotech Companies have participated in the conference. This is the first of its kind in Kakatiya University history.

ii). Organized the International Conference on Plant Biotechnology: A Global

Scenario, 2nd – 4th November 2010.

A three day International conference was organized during 2nd – 4th Nov. 2010. Prof. N. Lingamurthy, Vice- Chancellor of Kakatiya University presided over Inaugural function. Prof. AR Reddy, Vice-Chancellor, Yogi Vemana University was the Chief Guest. Prof. Herman, Germany, delivered the Key-Note Address. Eminent Scientists **Prof. MGK Jones (Australia), Prof. Gabriele Saretzki, UK, Prof. Hans Ulrich Koop, Germany, Prof. Jean-Christophe Aude, France, Prof. Elena Fabiano, Uruguay, Prof. Zhang Peng, China, Prof. Thomas Von Zylinski, UK**, from different countries were attended and delivered the plenary Lectures.

iii). Organized the 3rd International Conference on Biotechnology in Human welfare, 7th-9th Feb, 2013.

Prof. B. Venkat Rathnam, Vice- Chancellor of Kakatiya University was the chief guest; Prof. Dorothea Bartels, Germany delivered the Key-Note Address. Eminent Scientists **Prof. Peter Medgyesy, Ireland, Prof. Jacques Hille, Netherlands, Prof. Wilhelm Gruissen, Switzerland, Prof. MGK Jones, Australia, Prof. Mittapalli, Omprakash, USA, Prof. Susanne Renner, Germany, Prof. Zan-Min Her, China**, from different countries were attended and delivered the Plenary Lectures.

iv). Organised the 4th International Conference on Emerging Biotechnologies , 28th -30th January, 2016.

Sri. T. Chiranjeevulu, IAS, i/c Vice-Chancellor of Kakatiya University was the Chief Guest; **Prof. MGK Jones, Australia; Prof. Laszalo Szabados, Hungary; Prof. Sonam Tashi, Bhutan; Prof. Ali Akbar Eshanpour, Iran; Dr. Martina Silber, Germany** were attended and delivered the Plenary Lectures.

Visited Foreign Countries:

The Netherlands, Brazil, Germany, France, Luxemburg, Belgium, Srilanka & USA.

Key Note Address/Plenary Lectures/Lead Lectures delivered:

1. National Symposium on Biotechnology in Human Welfare conducted by Kavitha Memorial P.G. & U.G. College, Khammam – 2003.
2. Bio-Inspire Program on Biotechnology, organized by Kavitha Memorial PG & UG College, Khammam, 2004.
3. National Symp. XXVII All India Botanical Conference, Sri Krishan Devaraya University, Anantapur, 2004.
4. Entrepreneurship Awareness Camp in Biotechnology, 1st to 3rd Feb 2005, Organized by Entrepreneurship Development Cell, JNTU & ICRISAT, Hyderabad.
5. National Seminar on Environmental Biotechnology, SRR Govt. College, 16th to 17th November 2005, Karimnagar.
6. Biotech. Awareness Workshop, 20th December, 2005 Govt. Degree College, Siddipet.
7. National Symp. XXVIII All India Botanical Conference, IFRI, Dehradun, 2005.
8. Seminar on Recombinant DNA Technology, Singareni Women's Degree and PG College, Mandamarri, Keynote Address, 10th January, 2006.
9. Seminar on BioTechnology, Govt. Degree and PG College, Godavarikhani, 11th January, 2006.
10. Keynote Address in Natl. Conf. of r-DNA technology, Women's PG College, Mandamarri, 23rd Jan, 2006.
11. Biofocus – 2006, Kavitha Degree and PG College, 24th January, 2006, Khammam. (Message as Chief Guest).
12. National Conference on New Vistas in Microbiology and Plant Sciences, (Keynote Address as Gold Medal Awardee), 19th & 20th September 2006, Gurukul Kangri University, Haridwar.
13. Biofest, Vivekananda Degree & PG College, Mahboobnagar, 27th -29th September, 2006.
14. National Symposium on Plant Biotechnology, FRI, Dehradun, 12th -14th October 2006.

15. Seminar on BioTechnology, Singareni Women's Degree & PG College, Mandamarri, 10th Feb, 2007.
16. International Conference on Opportunities & Challenges in Bio Technology & Environmental Sciences (as Resource Person), PG & Research Dept. of Botany, Vellalar College For Women, Erode, 22nd & 23rd Feb, 2007.
17. Lead Lecture-National Conference on Current Trends in Medicinal Plants Research and Herbal Technology, 7th -8th March, 2008, organized by PG & Research Department of Botany, Pachaiyappa's College, Chennai (TamilNadu).
18. Key Note Address- National Conference on Modern Trends in Plant *In vitro* Biology, Organized by Department of Plant Science, Bharatidasan University, Tiruchapalli. (TamilNadu), 5th-6th January, 2009.
19. Key Note Address—National Seminar on Plant Biology—Current Scenario, Organised by Sri Gayathri Degree & PG College, Warangal, 12th Feb, 2009.
20. Inaugural Address—Biofair, Organised by the Department of Biotechnology, Vaagdevi PG College. Warangal, 10th-11th Sept, 2009.
21. Inaugural Address—Workshop on Career Orientation Workshop in life Sciences, Organized by Ever Green Life Sciences & Royal life Sciences, Hyderabad, 10th January, 2010.
22. Key Note Address—National Conference on Emerging Trends in Botany, Biotechnology and Environmental Science and Their applications in Rural Development, Organized by Jiyamata PG College of Science and Arts (Pune University), Bhende, Ahemdnagar (MR), 23rd and 24th Feb, 2010.
23. Lead Lecture—International Conference on Medicinal Plants and Herbal Drugs: Challenges and Opportunities in Cultivation Sustainable Utilization and Conservation, Organized by PG & Research Department of Botany, Pachaiyappa's College, Chennai (TamilNadu), 4th -6th March, 2010.
24. Lead Lecture- National Seminar on Modern Trends in Plant Sciences, Organized by Department of Botany, Telangana University, Nizambad, 25th -26th March, 2010,

25. Inaugural Address-National Seminar on Emerging Trends in Biotechnological Applications in Plants Indian Perspective, organized by Department of Biotechnology, Chaitanya Post Graduate College, Warangal, 27th -28th March, 2010.
26. Invited Speaker -**12th World Congress Of International Association for Plant Biotechnology**, Organized by IAPB at St.Louis, Missouri, USA, 6th-11th June, 2010.
27. Lead Lecture - In: **National Conference on Herbal Medicine**, Sept, 8th and 9th 2010, Department of Botany, Bharathiar University, Coimbatore.
28. Lead Lecture – In: XIX APSI Scientist Meet 2010 and National Conference on Plant Biotechnology towards Nutrition and Nutraceutical potential, 30th Sep to 1st Oct, 2010. Dept. of Botany, Sarojini Naidu Vanitha Mahavidyalaya and Akademy of Plant Sciences, Hyderabad.
29. Lead Lecture – In: **International Conference on Challenging and Emerging Dimensions in Medicinal/ Herbal Plants and their Products: A global Perspective**, 26th to 28th Nov, 2010, Chennai Trade centre, Chennai.
30. Lead Lecture – In: **Workshop on Practical Training Program** for UG teachers, 29th Nov to 4th Dec 2010, sponsored by DBT at University Arts and Science College, Kakatiya University.
31. Appointed as Judge, **District level Science Exhibition** under **Inspire Award scheme**, from 01st to 3rd July, 2011, Karimnagar District.
32. Chief Guest, **10th Installation Ceremony**, Lions Club of Modikonda, 10th July 2011, Madikonda, Warangal.
33. Lead lecture, in the **World Congress for Man and Nature**, “Global Climate Change and Biodiversity Conservation” 11th -13th Nov, 2011, Gurukul Kangry Vishwa Vidyalay, Haridvar (UK).
34. Keynote Speaker on the occasion of the conduct of a **National workshop on short term training course in Cytogenetics, Plant molecular genetics and plant tissue culture**, from 2nd to 13th Jan. 2012, sponsored by DBT, Post Graduate College of Science, Osmania University, Hyderabad.

35. Keynote Speaker on the occasion of the conduct of LIFOSIUM a **State level Symposium & Expo** for students of Life Sciences, on 22nd Jan. 2012, Organized by Apoorva Degree College, Karimnagar.
36. Chief Guest, Geetham Concept School, Annual day celebrations, 3^{0th} April, 2012, Hanamkonda.
37. As a Subject expert in Biotechnology, **Pre EAMCET Counseling Program and Career Counseling 2012** 8th July, 2012, organized by "The Hindu Education plus".
38. Key note address, Pre EAMCET Counseling Program, 20th July, 2012, Organised by **The Hans India and HMTV.**
39. Key note address, **Awareness Program on Web Counseling and Career Counseling for EAMCET students**, 6th Aug. 2012. Organized by Eenadu and SVS group of Institutions.
40. Key Note Address-**Advances in Plant Biotechnology**, National Conference 20th March, 2014, Organised by Department of Biotechnology, Telangana University, Nizamabad.
41. Chief Guest (Valedictory Address)-National seminar on "**Recent Trends in Plant Sciences**", 22nd to 23rd Aug. 2014, organized by Department of Botany, Sathavahana University, Karimnagar.
42. Chief Guest - National seminar on "**Recent Trends in Plant Science**", 11th to 12th Sept. 2014, organized by Pingle Womens, Degree & PG college, Hanamkonda.
43. Lead Lecture-In: National Seminar on "**Role of Biotechnology in Sustainable Development**", 27th Nov. 2014, Organized by Department of Botany, Sri Laxmi Narasimha Swamy Degree college, Bhongir.
44. Chief Guest-Silver Jubilee Celebrations, on 29th Jan. 2015, SVG Degree college, Lakshman chanda.
45. Chief Guest for Launching Haritha Crop Science, Biotech Company, Warangal on 24th Dec. 2015.

- 46.** Key Note Speaker, One Day Seminar on Recombinant DNA Technology and its applications, on 20th Jan 2016; organized by Govt degree college, Illandu, Khammam.
- 47.** Chief Guest, National Science Day, St. Peters High School, on 28th February, 2017.
- 48.** Chief Guest, Science Vignana Mela, ZPHS Pidicilla, on 6th March, 2017.
- 49.** Chief Guest, Annual Day Celebrations, Sri Sai Vignan Public School, on 10th March, 2017.
- 50.** Delivered Panchanan Maheswari Medal Award Lecture, in 40th Indian Botanical Society, Panjabi University, Patiala, on 15th to 17th September, 2017.
- 51.** Lead Lecture, International Symposium on Biodiversity of Medicinal Plants & Orchids: Recent Trends and Challenges” (BMPO 2018), Acharya Nagarjuna University, Guntur, on 9th-11th February, 2018.
- 52.** Lead Lecture, National Symposium on Plant Biotech & 39th Meeting of Plant Tissue Culture Association, Arid Forest Research Institute, Jodhpur, on 16th-18th February, 2018.
- 53.** Chief Guest & Key Note Speaker, One day seminar on Plant Biotechnology, Vaagdevi UG & PG College, Hanumakonda, 11th March, 2019.
- 54.** Chief Guest & Key Note Speaker, One Day Workshop, BC Girls Residential Degree College, Gajwel, 26th September, 2019.
- 55.** Key Note Speaker, Two day National Seminar on Holistic Approaches of Biotechnology in the Current Scenario, Department of Biotechnology, Telangana University, Nizamabad, 12-13th March, 2020.
- 56.** Invited talk-Refresher Course in Biotechnology & Bioinformatics, UGC-Human Resource Development centre, NEHU, Shillong, 4th September, 2021.
- 57.** Invited talk- national Webnar on Recent Trends in Plant Biotechnology, Department of Biotechnology, Pingle Govt. College for Women, Hanumakonda, 8th September 2021.

ii) Outside India :

1. **International Conference on Plant Molecular Biology**, IARC Wageningen, 3rd to 5th April, 1997, the Netherlands.
2. **World Congress on International Association for Plant Biotechnology** 6th to 11th June, 2010, St. Louis, USA.
3. Invited speaker 3rd **International Conference on Medicinal Plants and Herbal Products**, University of Colombo, Colombo, Srilanka, Dec 19-21, 2011
4. Invited speaker 4rd **International Conference on Medicinal Plants and Herbal Drugs**, Johns Hopkins University, Maryland USA, Sep 6th to 8th 2012.

Post Doctoral Research Experience in Foreign Countries:

1. Selected for the **International Training Course (I.T.C.)** in Modern Biology by the **Hungarian Academy of Sciences & UNESCO, Budapest, Hungary** for the period of October, 1983 to August, 1984.
2. Awarded **Indo-Netherlands Cultural Exchange Fellowship**, 1997 at the Institute of Plant Molecular Biology, Plant Biotechnology Group, Department of Genetics, **Vrije University, Amsterdam**, The Netherlands and worked on **Genetic Transformation, Protoplast Studies in Tomato, Tobacco and Rape Seed and Molecular Cloning** of Lc gene with **Prof. J.Hille**.
3. Awarded **TWAS-UNESCO** visiting Associate Fellowship at National Centre for Genetic Resources and Biotechnology, EMBRAPA / CENARGEN, Brasilia, Brazil and worked on Developing Disease Resistant Transgenic soybean plants using Biolistic method – 2002.
4. Awarded **TWAS-UNESCO** visiting Associate Fellowship at National Centre for Genetic Resources and Biotechnology, EMBRAPA / CENARGEN, Brasilia, Brazil and worked on Analysis of Disease Resistant Transgenic Soybean plants using PCR & Southern Hybridization and also worked on Molecular Cloning of Banana Drought Resistant Genes to Engineer in Vegetable Crops – 2004.

5. Selected for **Indo-Hungarian Academy of Sciences Fellowship** to visit Hungary in 2008 to work with **Prof.Szabodos** at BRC, Szeged, Hungary.
6. Awarded **TWAS-UNESCO Associate Fellowship** at National Centre for Genetic Resources and Biotechnology, EMBRAPA/CENARGEN, Brasilia, **Brazil**, 2009 & 2010.

Visiting Fellow

- Appointed as **UGC-Visiting Fellow** to **Sant Gadge Baba Amravathi University**, Amravati (MR), from 27-01-2012 to 03-02-2012.
- Appointed as **DBT- Visiting Research Professor** at North-Eastern Hill University(NEHU), Shillong by the Ministry of Science & Technology, Department of Biotechnology, Govt of India for a period of 6 months.

International collaboration:

- a. Prof. Laszlo Szabados**, Biological Research Center, Szeged, **Hungary**.
- b. Prof. Jacques Hille**, Institute of Molecular Biology, Groningen University, Groningen, **The Netherlands**.
- c. Prof. Francisco J.L. Aragao**, National Center for Genetic Resources and Biotechnology, EMBRAPA / CENARGEN, Brasilia, **Brazil**.
- d. Prof. Zhang Hongxia**, Institute of Physiology, Chinese academy of Sciences, Shanghai, **China**.
- e. Prof. Anil Day**, Department of Plant Sciences, The University of Manchester, **UK**.

Biosafety Committee

Member on the **Institutional Biosafety Committee**, Appointed by Ministry of Science and Technology, DBT, Govt. of India (21-04-2011 to 20-4-2014).

Academic Positions Held:

1. Coordinator, Biotechnology Course at University Arts & Science College, Kakatiya University, Warangal – 1999 to 2003.

2. Advisory Committee Member, Central Instrumentation Centre, Kakatiya University, Warangal – 2002.
3. Member, Board of Studies in Botany – 2002 to 2004.
4. Convener, FIST program, DST – 2002 to 2006.
5. Appointed as Judge at State Level Science Exhibition – 2003.
6. Member, Board of Studies in Biotechnology – 2003.
7. University Governing Body Member, SVG Degree College, Nirmal-2003.
8. Appointed as Judge at State Level Science Exhibition – 2004.
9. Chairperson, Board of Studies in Biotechnology – 2004 to 2006.
10. University Governing Body Member, Degree College, Chennaraopet -2004.
11. University Governing Body Member, Chaitanya Women's Degree College, Mancherla – 2006 - 2008.
12. Advisory Body Member for Bio Technology, Vaagdevi Degree & PG College, Hanamkonda.
13. University Governing Body Member, Gayathri Degree & PG College, Warangal, 2008.
14. External member, Board of Studies in Botany, Nominated by Academic Council, Gulbarga University, Gulbarga (Karnataka), 2008-2010.
15. Chairperson, Board of Studies in Biotechnology, nominated by Academic Council, Kakatiya University Warangal 2010-2014.
16. University Governing Body Member, St. Johns PG College, Hanamkonda-2012.
17. University Governing Body Member, Talla Padmavathi college of Education, Warangal 2014-2016.

UGC-SAP-DRS Programme:

- UGC has appointed as **Coordinator for UGC-SAP-DRS-phase-II (2015-2020). University Grants Commission (UGC), New Delhi**, sanctioned **Rs.72.00 lakhs** under the same scheme for promotion of infrastructural facilities and Research in the **Department of Biotechnology**.

- UGC has appointed as **Coordinator for UGC-SAP-DRS-phase-I (2009-2014). University Grants Commission (UGC), New Delhi**, sanctioned **Rs.32.50 lakhs** under the same scheme for promotion of infrastructural facilities and Research in the **Department of Biotechnology**
- Instrumental as **Course Coordinator in Biotechnology** for getting funds for **Rs. 17 lakhs** from **University Grants Commission (UGC), New Delhi** for starting **Vocational Course in Biotechnology** at University Arts & Science College, Kakatiya University (1999-2004).

Awards and Honors:

1. Awarded the **Academy of Plant Sciences India Award-2005** (Received the Gold Medal & Citation in the National Conference held on 19th September 2006 at Gurukul Kangri University, Haridwar) in recognition of outstanding research Contributions in the field of Plant Biotechnology.
2. Awarded the **Andhra Pradesh Scientist Award by the Andhra Pradesh Council of Science and Technology (APCOST), Govt. of AP** for outstanding research contributions in the field of Plant Science on **28th Feb.2007**.
3. Awarded the **Excellency Award-2009** in recognition of outstanding research in the field of Plant Biotechnology by Academy of Plant Sciences India.
4. **State Meritorius Best Teacher Award 2010** in recognition of distinguished service as a Teacher by the Govt. of Andhra Pradesh.
5. **“Pioneers in Genomics Education class of 2010”** award for the outstanding contribution to the field of Genomics education by the Ocimum Biosolutions, The Netherlands & USA.
6. **Siksha Rathan Puraskar Award-2010**, by International friends Society, New Delhi.
7. **Talented Biotechnologist Award-2011**, for outstanding research contributions in the field of medicinal plant biotechnology, **Awarded in the 3rd International**

- Conference on Medicinal Plants and Herbal Products**, University of Colombo, Colombo, Srilanka, Dec 19-21, 2011.
- 8. Bharath Jyothi Award** – 2012 - for honoring Successful Meritorious Indian Personalities with most prestigious persons, March, 2012, awarded by **India International friendship Society**, New Delhi.
 - 9. Talented Scientist Award – 2012**, for his outstanding contribution in the field of Medicinal Plant Biotechnology, awarded in the **4th International Conference on Medicinal Plants & Herbal Drugs** held during **6th to 8th September, 2012** at Johns Hopkins University, Rock Ville, Maryland, USA.
 - 10. Indo-Nepal Gold Star Award-2013**- For his outstanding contributions in Research by **Economic Growth Society of India. At Katmandu, Nepal. April-2013.**
 - 11. Global Achievers Award-2013**, for his outstanding research contributions in the field of Education Excellence, by Global Achievers of India, Bangkok, Thailand. May 10th -15th 2013.
 - 12. Excellency in Research Award- 2014** for his outstanding contributions in the field of Science and Technology, by EET CRS Research wing for Excellence in Professional Education & Industry, Bangalore, 21st June 2014.
 - 13. Out Standing Faculty Award-2015** for outstanding contributions in **Research and Teaching**, Venus International Foundation (Academic and Research), Chennai, 5th July 2015.
 - 14. Prof. P. Maheswari Medal Award-2017.** Awarded by the Indian Botanical Society, in 40th Indian Botanical Society, 15th to 17th September 2017, Punjabi University, Patiala for his outstanding contributions in Plant Biotechnology.
 - 15. Appointed as Visiting Research Professor**, Department of Biotechnology, Govt. of India at NEHU, Shillong, September, 2018.
 - 16. Elected as Fellow of Telangana Aakademy of Sciences**, March-2019 in recognition of his contribution to Science & Technology.
 - 17. Appointed as National Biotechnology Expert**, DBT-Spectrum Planning India, March, 2020.

18. Appointed as Editor, Journal of Biotechnology Commissioner of collegiate Education, Govt. of Telangana, November, 2020.

19. India's Most Dynamic Achievers Award in Plant Biotechnology-2021, August 2021.

20. Awarded the Honorary Fellow-2022 Award by the Society for Plant Research and Springer, 25th August, 2022.

Administrative Positions Held:

- 1. Coordinator, Biotechnology course** at University Arts & science College, Kakatiya University, Warangal, 1999-2003.
- 2. Convener, FIST-DST Program,** Department of Botany 2002 - 2006.
- 3. Head, Department of Biotechnology,** Kakatiya University, Warangal, 2008 - 2010
- 4. Program Coordinator, UGC-SAP-DRS Phase-I** (2009 -2014), Department of Biotechnology, Nominated by the expert UGC committee, New Delhi.
- 5. Program Coordinator, UGC-SAP-DRS Phase-II** (2015 -2020), Department of Biotechnology, Nominated by the expert UGC committee, New Delhi.
- 6. I/C Head Department of History & Tourism Management** - 2011 to 2012.
- 7. I/C Head Department of Gender Studies-** 2014-16.
- 8. Chairman, Hostels of Kakatiya University,** July 2011- Feb 2016.
- 9. I/C Principal, University College of Education,** Kakatiya University, March 2014 –Feb 2016.
- 10. Principal, University College,** Kakatiya University. July 2011- Feb 2016.

Worked as Visiting Research Professor (VRP) at North-Eastern Hill University (NEHU), Shillong, Appointed by the Ministry of Science & Technology, DBT, NEWDELHI from Sept 2017 to May 2018.

SCIENTIFIC RESEARCH CONTRIBUTIONS

Genetics & Plant Breeding

- Heteromorphic incompatibility was studied in *Turnera subulata*, *Waltheria indica*, *Reinwardia indica* and Castor.
- Pollination (Self & Cross) and pollen tube growth studies (Self & Cross) have been carried out to know the type of incompatibility systems and it was found that the presence of **Sporophytic Incompatibility**.
- Physiological and Biochemical aspects of incompatibility was investigated and reported the changes in the quantity of proteins, amino acids, sugars and nucleic acids in the stigma and style after self and cross pollinations.
- The role of pollen exine dimorphism in relation to pollen-stigma interaction was found in heteromorphic incompatibility species under LM and SEM.
- Pollination experiments were carried and observed the visit of insects/flower, type of insect, the time of the visit etc., in relation to pollen flow and fecundity and also noted the effect of pollinations on pollen flow and fruit and seed set.
- Nectar biology was also studied in relation to the type of nectaries, effect of temperature on nectar secretion, production and chemistry of nectar in many a number of species,
- Mutation breeding experiments were also carried out to found out the mutation at the site of **“Super gene complex” (GAP)** which controls the ornamentation of pollen exine (P) by producing Self-Compatible Thrum Mutant (**SCTM**). The plants were selfed for four generations (F₁-F₄) to confirm the stability of the mutant and it was found 100% stability and transmission of gene expression in the form of compatibility.
- Genetics of pin and thrum plants of *T.subulata* was studied and reported that the pin plants are with **“ss” alleles** and thrum plants are controlled by **“Ss” alleles**.
- **Unilateral interspecific hybrid** has been produced between *Turnera subulata* and *T. umlmifolia*.
- Seedling handedness (Stereo-isomerism) in *Triticale* and its parents was investigated.

- The plants developed from left-handed seedlings showed high amount of chlorophyll, faster growth rate and more grain yield compared to plants developed from right-handed seedlings in *Triticum*, *Triticale* and *Secale cearale*.
- The inheritance of this character was studied in detail for many generations and it was found to be non-Mendelian in segregation.

Current Research Work

Plant Biotechnology

Conservation of Endangered and Medicinally Important Plants

- Establishment of the protocols for plant regeneration from different explants in medicinal plants like *Wedelia chinensis*, *Pterocarpus marsupium*, *Solanum surattense*, *S. nigrum*, *S.torvum* and *Strychnos potatorum*, *Wrightia tomentosa*, *W. tinctoria*, *Oroxylum indica*, *Trichosanthes cucumerina* and *Senna alata*.
- Somatic embryogenesis and plantlet regeneration protocols have been established in *Pterocarpus marsupium*, *S.torvum*, *S. surattense*, *S. nigrum*, *Oroxylum indica*, *Senna alata* and *S. potatorum*
- Cp-DNA encoded antibiotic stress resistance was developed in *S. surattense* and *S. nigrum*.
- Micropropagation/clonal propagation protocols have also been developed in the above mentioned medicinal plants.
- Abiotic stress (NaCl, KCl & Mannitol) tolerant cell lines were developed in *S. surattense*, *S. nigrum* and *S.torvum*.
- *Agrobacterium* mediated genetic transformation was successfully achieved in *S. surattense*, *S. nigrum*, *S. torvum*.
- Hairy root cultures were also established using leaf explants in *Strychnos potatorum*.
- Protocols have been optimized for *invitro* micropropagation of an endangered forest tree *Givotia rottleriformis* (**used in toy making industry**), *Terminalia alata* (**used as feed for tasar silk worms**), *Oroxylum indicum*, *Wrightia tinctoria*, *W.tomentosa* and *Strychnos potatorum*.

- Developed the protocols for micropropagation by using zygotic embryo culture, somatic embryogenesis, mericlone technology and nodal culture and successfully established the plantlets in commercially important (Wood & Medicinal use) forest tree *Gmelina arborea*
- Micropropagation protocols have been developed for conservation and large-scale multiplication of an endangered/threatened medicinal plants-*Wrightia tinctoria*, *W. tomentosa*, *Oroxylum indicum* and *Strychnos potatorum*.
- Isolation and purification of riboflavin binding protein from egg of ostrich (*Struthio camelus*) was studied using MALDI-TOF-PMF.

Plant Secondary Metabolites

- Plant secondary metabolites have been isolated from medicinally important plants. They are: *Wrightia* spp, *Oroxylum indicum*, *Strychnos potatorum*, *Trichosanthes cucumerina* *Senna alata*, *Silybium marianum* and *Althaea officinalis*.
- These bioactive molecules were screened for antibacterial, antifungal, antioxidant and antibiotic activities.
- Pharmacological studies are also carried out in *Senna alata*, *Silybium marianum* and *Althaea officinalis*.
- Effect of different biotic and abiotic factors on enhancement of secondary metabolites production in *Althaea officinalis* and *Silybium marianum* was optimized.

Molecular Markers

- Molecular Markers have been developed in five cvs of cultivated tomato
- RAPD analysis has been carried out to identify the genetic diversity in *Wrightia tinctoria* and *Strychnos potatorum*.

Nano Biotechnology

- We have also attempted on green biosynthesis of nanoparticles from various solvent extracts of plant parts of *Strychnos potatorum*, *Silybium marianum* and *Althaea officinalis*. These nanoparticles have shown antifungal and antibacterial activities.

Seri biotechnology

- Protocols for *invitro* micropropagation and *Agrobacterium* mediated genetic transformation have been established in forest tree *Terminalia tomentosa*, which is used in Tasar silk industry.
- Somatic embryogenesis and plantlet regeneration was also achieved in *T.tomentosa*
- Protocols were developed for isolation of protoplasts and culture in different cvs of Mulberry (*Morus alba*), which has importance in silk industry.
- Protoplast fusion was also successfully achieved in Mulberry.

Transgene Technology

- **Molecular cloning** was done by using **antiporter gene (AtNHX1)** with stress inducible (SI) and constitutive promoters (CaM35S) consisting bar gene as selectable marker gene replacing hpt gene in pCAMBIA 133/1301 cassettes. Two different vectors (pMS & pMEX) were developed to use in genetic transformation experiments for engineering Abiotic (salinity) stress tolerance in cultivated tomato.
- Produced the transgenic tomato plants through *Agrobacterium tumefaciens* LBA4401 mediated genetic transformation harboring cloned vectors pMS (SIP1314 SWAP2+AtNHX1) and pMEX (CaMV35S+AtNHX1).
- Two transgenic lines were screened by using PCR, RT-PCR, Southern & Northern blots (AtNHX1 with 35S & AtNHX1 with SIP 1314).
- Compared the expression levels of constitutive and SI promoters physiologically. They are: total proline content, Na⁺, Cl⁻ ion concentration in old & young leaves, roots & fruits, sugar levels and also K⁺ ion content. Over expression of AtNHX1 gene under salt stress with SIP was found.

- Developed the disease resistant transgenic soybean using **magianin gene** through biolistic method.
- Isolated **four drought tolerant genes (sHSP)** from Brazilian banana, sequenced, identified and cloned.
- These four genes have been cloned separately using pCAMBIA 2301 as a binary vector and transformed *A. tumefaciens* LBA4404 with pCMUSAsHSP 112,129,163,194 genes.
- Cultivated tomato cvs. PKM-1 and S-22 plants have been transformed with pCMUSAsHSP genes to know the level of expression of these genes against drought tolerance.
- The expression of **pCMUSAHSP 129 &163** was studied in cultivated tomato cvs PKM-1 & S-22 respectively and developed the transgenic tomato plants resistant to high temperature stress (thermo tolerance).
- Developed the fungal resistant transgenic *Silybium marianum* and *Althaea officinalis* by using *Tc chitinase* gene.
- Isolation and purification of riboflavin binding protien from egg of ostrich (*Struthio camelus*) was studied using MALDI-TOF-PMM.
- Developed the transgenic fungal resistance in groundnut by using binary plasmid pBinAR containing *Tc Chitinase* gene for the first time.
- Transgenic fungal resistant redgram was also developed by introducing Tc-chit-I gene.

Microbial Biotechnology

Recently we have developed cost effective technology for production of *Capsular Polysccharides* from *Streptococcus pneumonia*. A simple five step purification process was standardized without using corrosive chemicals/proteolytic enzymes/nucleases. Innovatively for the first time used AIPO₄ for the purification of capsular polysaccharides. Purified capsular polysaccharides can be used in polysaccharide vaccines preparation or in conjugative vaccines preparation.

Work in Progress

- Micropropagation and screening of bioactive compounds of *Adansonia digitata*- A globally endangered medicinally important tree.
- Optimization of protocols for developing fungal disease resistant in susceptible high yielding varieties of peanut.

His innovative research resulted in developing protocols for conservation of endangered medicinally important plants & Forest tree species (including in toy making industry and Seri biotech), molecular cloning of HSP genes and their expression in tomato; developing transgenic disease resistant soya bean; salt tolerant and thermo tolerant transgenic tomato, developing transgenic fungal disease resistant groundnut, redgram and also identifying certain bio-molecules against diabetics, hypertension, psoriasis etc., from medicinal plants. Recently, he has established the work on green synthesis of nano particles and their effect on human pathogens. Developed the cost-effective poly-saccharide vaccines preparation.

Administrative contributions

As principal University Campus College, the following administrative activities have been taken up for the last four years and 8 months

- Chairman, Departmental Committee MLISC, KU, 2012-2015
- Chairman, Subcommittee Sports Board, Kakatiya University, 2011- to- date.
- In-charge, Principal College of education, Jan 2014- to- date.
- In-charge Head, Department of General studies, Dec 2015 to date.
- Chairman, Departmental Committee, MCJ KU 2012-2015.
- Member, NAAC Steering Committee for NAAC peer team visit, 2015.
- Co-Chairman, Anti Ragging Committee, 2011 -to- date.
- Chairman, Hostels Advisory committee, 2011 –to- date.
- Chairman, Avenue Plantation, 2011- to-date.
- Chairman, Campus Land Survey, KU, 2014.

- Member, CBCS Core Group, 2014, for Introducing CBCS at PG & UG level.
- Conducted awareness programs on Anti-ragging every year, formed the committees to maintain the campus ragging- free.
- Being chairman of Hostels maintained the University Messes & Hostels without Director of Hostels from 26th May 2014 to July 2015.
- University Messes were managed by the private management from 2012 to 2015 but under my chairmanship from this academic year onwards University Students Mess Management System has been introduced.
- Drinking water facilities have been introduced.
- Swatch Bharath and Clean & Green programs have been conducted.
- Orientation programs for competitive exams have been organized.
- Organized Telangana Formation Day Celebrations during 2nd June to 8/6/2014 and as well as in 2015. These celebrations are printed in a book form and it was released by our Honorable Chief Minister on 9/9/2014.
- Organized a week long cultural festival Yuva Kala Ratna-2013 during November 18-22, 2013.
- Conducted many Sports and Games Competitions like Inter collegiate tournaments and All India Central Zone tournaments from 25-11-2013 to 28-11-2013 being Chairman of sub-committee for University Sports.
- As Chairman/ Convener/ Member on many committees like Enquiry, Purchasing, Recruitment for University employees, etc., for smooth functioning of the administration.
- Conducted elections successfully for NGOs and Class-IV Employees as Returning officer for 4 years.
- An instrumental for getting the funds (Rs.9 crores) from Jagjeevan Ram Chatra Nivas Yojana for construction of SC/ST Boys and Girls Hostels.
- Encouraged the Departments in organizing National and International Conferences/ Symposia/ Work Shops.

- Renovated office of the Principal, University College by providing the Working environment in the office.
- By taking the classes in both Botany and Biotechnology Departments and also looking after my Research activities, I use to visit the Departments to interact with the faculty and Students and also to observe the classroom teaching.
- Instrumental in introducing the CBCS system in six Departments during the academic year, 2014-2015 for the first time in the University.
- Introduced the CBCS pattern of syllabus in all the Departments from this academic year, i.e., 2015-16 onwards.
- Bio-Metric system of attendance has been introduced for PhD Scholars and PG students of all the Departments to maintain the regular attendance.
- CCTV cameras have been installed in Messes and also Atomization of Hostel Office.

I served as Principal, University College, Kakatiya University for a period of **4 years and 8 months** successfully just because of the cooperation/support/coordination of my Faculty members (Teaching & Non-Teaching), Research Scholars and Students.