



Kakatiya University
Accredited with “A” grade by NAAC

Dr. SHASTHREE TADURI
Assistant Professor & HOD
Raman Fellow - PDF USA
Director- Centre for Foreign Relations Research Consultancy
(CFRAC)



Professional Preparation:

SRR Degree College, KNR, B.Sc. 1998
Kakatiya University, WGL, M.Sc.2000
Kakatiya University, WGL, Ph.D.2005
Mississippi State University, USA, PDF. 2016

ADDRESS (O): Department of Biotechnology,
Kakatiya University,
Warangal-506009.
Telangana State. INDIA.

Tel: +91 0870 2461455
Fax: +91 0870 2438800
Mobile: +91 8790050059

E-mail: shastritaduri@gmail.com
tadurishasthree@outlook.com

ADDRESS (R): # 2-9-704/1, NGO's Colony
Waddepally, Near SR School line
Hanmakonda, Warangal-506370
Telangana State. India

DATE OF BIRTH: 16th August 1975
Nationality: Indian
Sex: Male

Fellowships : Dr. C.V Raman Post Doctoral Research fellowship at USA
2015-16 Awarded by University Grants Commission, New Delhi,
INDIA.

Achievements/Awards: Selected as Associated Fellow of Telangana Academy of Sciences
2018.

Administration Positions: In charge Head Department of Biotechnology of Arts & Science College from 18-11-2010 To 30-06-2012.

Joint Director of Ganapathi Deva Hostels from 15-09-2012 To 24-09-2015.

Board of Studies Chairperson (BOS) in the Department of Biotechnology from 16.07.2017 to 23. 08.2018.

Head Department of Biotechnology, Kakatiya University, Warangal from 09.05.2018 to Till.

Director-Centre for Foreign Relations Research Consultancy (CFRAC) from 22.07.2019 to Till.

Research and Teaching Experience:

TEACHING EXPERIENCE: 14 years

AREA OF TEACHING: Biological Chemistry, Enzymology and Plant Biochemistry Plant Biotechnology, Metabolic engineering, Plant Physiology, Genetics, Cytogenetics, Environmental Plant Physiology and Cell biology.

RESEARCH EXPERIENCE: 17 years

AREAS OF RESEARCH: Plant Tissue Culture, Plant Cell tissue & Organ Culture, Metabolic engineering, Plant Genetic Engineering and Agriculture Biotechnology.

TITLE OF PH.D THESIS: Tissue Culture Studies in *Erythrina variegata* L.

Research Supervision: 09

No. of PhDs guided: 01

No. of PhDs is now guiding: 08

Research Projects : Sanction amount = 12, 08,000 = 00 by UGC, Funded by University Grant Commission, New Delhi. Government of India. (2012-2015). (Completed) **Entitled:** "Micropropagation and genetic transformation through *Agrobacterium rhizogenus* for production of potential alkaloids in *Citrullus colosynthis* (L) Schrard.

Visiting Places

1. Delta Research and Experiment Station, Stoneville, Mississippi State 38776. USA. Dated 09 August, 2016.
2. North Mississippi Research and Extension Center on the occasion of Row Crops Field Day at Lee County Agri - Center, Verona, Mississippi State, USA. Dated Thursday, August 11, 2016.
3. Sweetpotato field day at Pontotoc Branch Experiment Station, Pontotoc 38863, USA. Dated 24th August, 2016.
4. Radiation Experiment Department, Bridgeport, Connecticut, USA. Dated 20th to 29th December, 2016.

Member in Professional Bodies:

1. Life Member in National Academy of Biological Sciences.
2. Member in American Society of Agronomy
3. Life member in Biotech Research Society of India
4. Life member in Indian Society of Cell Biology
5. Associated Fellow of Telangana Academi of Science

International Conferences:

1. International conference on Row Crop Short Course on December 5th - 7th, 2016 Organized by Department of Plant and Soil Sciences, Mississippi State University, Mississippi, USA.
2. Southern Association of Agricultural Scientists Annual Meeting and Conference (SAAS) on February 5th - 7th, 2017 at Mobile Conventional Center, Mobile, Alabama, USA.
3. National Sweetpotato Collaborators Group 2016 Annual Conference on February 3-4, 2017 at Mobile, Alabama, USA.
4. The Mississippi Academy of Sciences 81st Annual Meeting and Conference on February 23-24, 2017 Organized by the University of Southern Mississippi, Hattiesburg, Jackson, MS USA.
5. International Conference on Emerging Biotechnologies. 26th - 30th January 2016. Organized by Department of Biotechnology, Kakatiya University, Warangal Telangana State, INDIA.
6. International Conference on Biotechnology in Human Welfare. 7th - 9th February 2013. Organized by Department of Biotechnology, Kakatiya University, Warangal (A.P.) INDIA.
7. International Conference on Chemical and Bioprocess Engineering. India (ICCBPE - IN 2013). 16th - 17th November 2013. Organized by National Institute of Technology, Department of Chemical Engineering Warangal (A.P.) INDIA.

8. International Conference on Biotechnology: A Global Scenario 2nd, 4th November 2010. Organized by Department of Biotechnology, Kakatiya University, Warangal (A.P.) INDIA.
9. International Conference on Plant Biotechnology and Molecular Biology. 15th -17th August 2008. Organized by Department of Biotechnology, Kakatiya University, Warangal (A.P.) INDIA.

National Conferences:

1. National Conference on “Plant Diversity: Challenges in Conservation and sustainable Utilization 4th to 6th 2016. Organized by Department of Botany, Kakatiya University, Warangal Telangana State, INDIA.
2. National Conference on “Emerging Research Trends in Plant Science in 21 st Century” 12-13th February 2015. Organized by Department of Botany, Kakatiya University, Warangal Telangana State, INDIA.
3. National Conference on Current Trends in Biotechnology 7th to 8th December, 2013. Organized by Department of Botany, Osmania University, Hyderabad (A.P.) India
4. National Seminar on Biotechnology in Life Sciences Current Trends and Development 18th to 19th 2009. Organized by Department of Zoology, Kakatiya Government Degree & P.G College, Warangal (A.P.) INDIA.
5. National Conference on Plant Biotechnology 2nd to 3rd 2008. Organized by Department of Botany, Kakatiya University, Warangal (A.P.) INDIA.
6. National Conference on Current Trends in Plant Sciences 24th to 25th March 2008. Organized by Department of Botany, Kakatiya University, Warangal (A.P.) INDIA.
7. National Conference on Recent Advances in Plant Sciences 5th to 6th February 2007. Organized by Department of Botany, Kakatiya University, Warangal (A.P.) INDIA.
8. National Seminar on Current Trends in Plant Sciences 22nd to 23rd September, 2007. Organized by Department of Botany, Government of Degree & P.G College for Women, Karimnagar (A.P.) INDIA

International Training Programs and Workshops:

1. Research Training Program Organised by Delta Research Experiment Station during 09 and 10 August, 2016 at Stoneville, Mississippi State 38776. USA.
2. Cochran Fellow Training Program Organized by USDA Foreign Agriculture Service During 2nd 3rd August 2016 at Mississippi State University, MS, USA.
3. Row Crops Field Day Training Program Organised by North Mississippi Research and Extension Agri - Center, during August 11, 2016 at Verona, Agri - Center, Mississippi State, USA.
4. Sweet potato field day and Training Program Organized by Pontotoc Branch Experiment Station, during 24th August, 2016 at Pontotoc Branch Experiment Station, Pontotoc 38863, USA.

National Training Programs and Workshops:

1. National workshop on EMERGING TRENDS IN GENETIC ENGINEERING (ETGE 2013). 27th to 29th December. Organized by Department of Biotechnology National Institute of Technology (NIT) Warangal. INDIA.
2. Workshop on SAKSHAM - IT Champion Training Program from 01-04-2014 to 10-04-2014. Organized by MHRD and Microsoft at Kakatiya University, Warangal (A.P.) INDIA.
3. Workshop on Molecular and Photochemical Techniques in Plant Science 23rd to 28th January 2007. Department of Botany, Kakatiya University, Warangal (A.P.) INDIA.
4. Teaching Faculty Training, Awareness Programme On “Prevention of Drug Abuse” from 02nd to 3rd August, 2017. Sponsored by: Rashtriya Uchchar Shiksha Abhiyan, Government of Telangana.

Presentation Oral/Poster:

1. Taduri,S., A. Lone, S.L. Meyers, M. Shankle and K.R. Reddy. 2017. Sweetpotato cultivar responses to interactive effects of temperature, drought, and carbon dioxide. ASA-CSSA-SSSA Annual Meetings, 22-25 October, 2017, Tampa, FL, USA.
2. Taduri,S., A. Lone, S.L. Meyers, M. Shankle and K.R. Reddy. 2017. Sweetpotato cultivar responses to interactive effects of temperature, drought, and carbon dioxide. National Sweetpotato Collaborators Group2016 Annual Conference February 3-4, 2017 Mobile, AL, USA.
3. S.Taduri and K. R. Reddy; Mississippi State University. High Efficient Somatic Embryogenesis Development from Leaf Cultures of *Citrullus Colocynthis* (L.) Schrad for Generating True Type Clones. American Society of Agronomy Annual Meeting February 5-7, 2017 Mobile, AL,USA
4. Taduri, S., D. Ramakrishna, and K.R. Reddy. 2017. Somatic embryogenesis and plant regeneration from leaf cultures of *Citrullus colocynthis* (L.). 81stAnnual Mississippi Academy of Sciences Meeting, Feb. 23-24, 2017, Hattiesburg, MS, USA.
5. Taduri, S., and K.R. Reddy. 2017. High efficient Somatic embryogenesis development from leaf cultures of *Citrullus colocynthis* (L.) Schard for generating true type clones. 81stAnnual Mississippi Academy of Sciences Meeting, Feb. 23-24, 2017, Hattiesburg, MS, USA.
6. Jumma, S., A. Lone., S.Taduri., E. Redona, and KR.Reddy.2017. Developing a screening protocol for drought tolerance classification of 100 elite rice lines. ASA-CSSA-SSSA National meeting, oct. 22-26, Tampa, FL, USA.
7. Jumma, S., A. Lone., S.Taduri., E. Redona, and KR.Reddy.2017. Evaluation of elite rice lines for drought tolerance during early growth stages. 81st Annual Mas Meeting. Feb 23-24, Hattiesburg, Mississippi, USA.
8. Taduri,S., A. Lone, S.L. Meyers, M. Shankle and K.R. Reddy. 2017. Sweetpotato cultivar responses to interactive effects of temperature, drought, and carbon dioxide. National Conference on Harmony with Nature in Context of Environmental Issues and Challenge, Dec, 21- 23, Department of Zoology, Kakatiya University, Telangana, India

Research papers:

1. Z. Chen, W. Gao, K.R. Reddy, M. Chen, **S. Taduri**, S.L. Meyer, And M.W.Shankle (2020). Ultraviolet (Uv) B Effects On Growth And Yield Of Three Contrasting Sweet Potato Cultivars. *Journal Of Photosynthetica* 58 (1): 37-44,
2. Rama krishshna, Chaitanya Gopu , Suvarchala Vankudoth, Sunitha Bai, and **Shasthree T. (2020)**. Enhancement of production of pharmaceutically important anti-cancerous compound; cucurbitacin E via elicitation and precursor feeding of *in vitro* culture of *Citrullus colocynthis* (L.) Schard. *Journal of Plant Biochemistry and Biotechnology. Journal of Vegetos.*(Accepted)
3. Chaitanya Gopu, Chandra Shekar Chakilam Pavani Chirumamilla, Suvarchala Vankudoth, and **Shasthree Taduri (2020)**. Rapid *in vitro* adventitious rooting and proliferation by leaf and nodal cultures of *Momordica cymbalaria* Fenzl. *Journal of Applied Biology & Biotechnology*
4. **Shasthree Taduri**, Ajaz A. Lone, Meyers, Mark Shankle, and K. Raja Reddy (2020). Sweetpotato Cultivar Responses to Interactive Effects of Temperature, Drought, and Carbon dioxide. *Journal of Photochemistry and Photobiology* (Under Process).
5. V. Suvarchala D. Ramakrishna, G. Chaitanya, K. Srinivas, D. Sunitha Bai and **T. Shasthree (2020)**. High efficiency *in vitro* regeneration studies and genetic stability evaluation of *Muntingia calabura* (L); a medicinally important woody tree. *Journal of Biotechnology reports* (Under process)
6. Ramakrishna Dasari, and **Shasthree Taduri (2020)**. Influence of different strains of *Agrobacterium rhizogenes* on induction of hairy roots for production of bioactive molecule cucurbitacin E in *Citrullus colocynthis* (L.) Schard. *Journal of Biotechnology reports* (Under process)
7. Sunitha Bai, Chaitanya Gopu , Suvarchala Vankudoth, Spoorthi and Shasthree Taduri (2020). Preliminarily Phytochemical Screening of *Nothapodia foetida*, an important endangered medicinal tree. *Journal of Vegetos.*(Accepted)
8. Chaitanya Gopu and Shasthree Taduri (2019). Phytochemical analysis of *Momordica cymbalaria* Fenzl, an Medicinally Important Cucurbit. *Research Journal of Chemistry and Environment. Research Journal of Chemistry and Environment* (Accepted)
9. Ajaz A. Lone, Salah H. Jumaa, Edilberto D. Redona, **T. Shasthree** and K. Raja Reddy (2019). Screening Rice Genotypes for Early-Stage Drought Response under Low-Cost Pre-Fabricated mini-Hoop modules. *American Journal of Agronomy*, 9(4), 199, 1-16
10. Ramakrishna Dasari, Suvarchala Vankudoth, Chaitanya Gopu , and **Shasthree Taduri (2019)** Priliminary Phytochemical Scrinig of a medicinally important cucurbit *Citrullus colocynthis* L. *Research Journal of Chemistry and Environment* 23 (11) 41-55.
11. Raja Reddy, Salah Jumaa, Chathurika Wijewardane, Ajaz Lone, Firas Ahmed alsjari, Naqeebulla Naqeebulla, **Shasthree Taduri**, and Ed Redoña. (2018). Morpho-physiological Characterization of Diverse Rice Lines for High - and Low Temperatur Tolerance. *Journal of Physiology and Breeding, MSU* 20 - 21

12. Salah Jumaa, Ajaz Lone, **Shasthree Taduri**, Ed Redoña, and Raja Reddy. (2017). Morpho-physiological Characterization of 100 Elite Rice Lines for Drought Tolerance During Early-growth Stage. *Journal of Physiology and Breeding, MSU* 20.
13. Rama Krishna Dasari, Chaitanya Gopu , Suvarchala Vankudoth and **Shasthree Taduri** (2018). Effect of gamma ray irradiation and ethyl methane sulphonate on in vitro mutagenesis of *Citrullus colocynthis* (L.) Schrad. *J Plant Biotechnol* 44: 55- 62.
14. Rama krishshna and **Shasthree T.** (2016). High efficient somatic embryogenesis development from leaf cultures of *Citrullus colocynthis* (L.) Schrad for generating true type clones. *Physiol Mol Biol Plants* 22(2):279-285
15. Rama krishshna Dasari, Muralikrishna Narra, Raghu Elladula, Srinivas Kota and **Shasthree Taduri** (2015). Efficient *in vitro* propagation system via multiple shoot induction and assessment of clonal fidelity of regenerants in *Citrullus colosynthis* (L.) Schard. *Journal of plant cell Biotechnology and Molecular Biology* 16(3&4):108-118.
16. Ramakrishshna and **Shasthree T.** (2015). Adventitious Rooting and Proliferation from different explants of *Citrullus colosynthis* L. Schrad an Endangered medicinally Important Cucurbit. *Asian Journal of Biotechnology* 7 (2): 88-95.
17. **Shasthree T**, D Ramakrishna, MA Imran, Ch. Chandrashekar (2014). [Adventitious Shoot Organogenesis and Plant Regeneration from Leaf and Cotyledon Explants of *Citrullus colocynthis*](#) *Journal of Herbs, Spices & Medicinal Plants* 20 (3), 235-244.
18. **Shasthree T**, Coroline,V.J.E, Savitha, R.and B.Mallaial (2012). [Micropropagation of *Bryonopsis laciniosa* L. Naud an endangered and medicinally important cucurbit.](#) *Advance in Plant Science* 25 (II), 373-376.
19. **Shasthree T**, Chandrashekar Ch, Savitha R. and MA. Imran (2012). [Effect of various plant growth regulators on callus induction from different explants of *Citrullus colocynthis* L. Schrad.](#) *International Journal of Pharma and Bio-Science* 2 (3), 33-39.
20. **T Shasthree**, MA Imran, B Mallaiah (2012). [In vitro rooting from callus cultures derived from seedling explants of *Erythrina variegata* L.](#) *Current Trends in Biotechnology and Pharmacy* 3 (4), 447-452.
21. ChandraShekar CH, **Shasthree T**, D.Sammaiah, D. Ujjwala1, and K. JaganMohan reddy. (2013). [CHROMIUM TOXICITY IN TOMATO \(*Lycopersicon esculenum* Mill\)](#) *International Journal of Universal Pharmacy and Life Sciences* 3 (3), 115-121.
22. CH. Chandrashaker, **T. Shasthree**, D. Sammaiah. And K . Jagan Mohan reddy (2011). [Effect of Mercury on Tomato Growth and Yield Attributes](#) *International Journal of Pharma and Bio-Science* 2 (2), 358-364.
23. Savitha R, **Shasthree T**, Sudhakar and Mallaiah B. (2010). High frequency shoot bud organogenesis and plantlet regeneration from nodal explant of *Citrullus colocynthis* L. Schrad, an endangered medicinal cucurbit. *International Journal of Pharma and Bio Sciences* 1(2): 1-8.
24. T. Shasthree, S.Madhavi, B.Mallaiah (2009). [Regeneration of Plantlets in *Erythrina variegata* L. by Organogenesis](#) *Research Journal of Biotech* 4 (3), 30-37.

25. Shasthree T and B. Mallaiah (2009). [Influence of growth hormones on production of Trichosanthin \(TCN\) from in vitro cultures of Trichosanthes species.](#) *Bio- Chemistry: An Indian Journal.* 3 ((2), 38-39
26. Shasthree T, B.Venkateshwarlu K, Srinivas A, Savitha R. and Mallaiah B. (2009). [Isolation of cell lines resistant of Erysiphe cichoracearum by screening different genotypes of Cucumis sativus L.](#) *Plant Cell Biotechnology and Molecular Biology* 10 (1&2), 39-44.
27. Shasthree T, Savitha R, Venkateshwarlu K and Mallaiah B. (2009). *In vitro* propagation of the Leguminous tree *Erythrina variegata* L. via multiple shoot formation. *Plant Cell Biotechnology and Molecular Biology* 10(1&2): 378-381
28. Shasthree T, Savitha R and Mallaiah B. (2009). Somaclonal variations in an endangered and medicinally important cucurbit, *Citrullus colosynthis* L. *Research Journal of Biotech* 5(2): 56-60.
29. Shasthree T, Imran M.A, Narsinga Rao N. and Mallaiah B. (2009). Effect of physical mutagen (Gamma rays) on differentiation and multiple shoot production from different explants of *Erythrina variegata* L. *Bio Technology An Indian Journal* 3(4): 261-266.

Declaration

I hereby declare that the above mentioned information is correct, up to my knowledge and I will solely be responsible for any discrepancy found in them.

Place: Warangal.

Date: 02-01-2020

(Dr. Shasthree Tador)