

DR. TIPPANI RADHIKA
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NAAC 'A' grade

PERSONAL RECORD

Name : DR. RADHIKA TIPPANI
Father's Name : Babu Rao
Gender : Female
Designation : Assistant Professor (c)
Date of Birth : 20th December 1980
Place of Birth : Warangal, Telangana.

ADDRESS

Office: Department of Biotechnology, Kakatiya University, Warangal,
TS-506009, India; Mobile: 9701016110; 9849043054.

Home: #: 6-1-141/2, Kancharakunta (Sainager colony), Near Sridevi Asian
Mall, Hanamkonda, Warangal, Telangana-506001

ACADEMIC

2009-2012 Ph.D in Biotechnology, Kakatiya University, Warangal.
2006-2007 M.Phil in Biotechnology, Kakatiya University, Warangal.
2001-2003 M.Sc in Biotechnology, Kakatiya University, Warangal.
2000-2001 PGDCA in Computers, Kakatiya University, Warangal.
1997-2000 B.Sc with Microbiology, Botany, Chemistry, Kakatiya University,
Warangal.

FELLOWSHIPS/AWARDS

- Best Faculty Award-2023
- Women Researcher Award-2022
- Associate fellow of Telangana academy of sciences - 2018
- Awarded “BHARATH VIDYA SHIROMANI AWARD” for the year 2017.
- Jawaharlal Nehru Memorial Fund Fellowship-2011.
- Chinese Academy of Sciences - The academy of sciences for the developing world (CAS-TWAS) fellowship, China-2010.
- Andhra Pradesh Council of Science Technology (APCOST)-Young Scientist Fellow- 2008.

CONFERENCES ORGANIZED:

- Actively Participated in organizing International Conference on Plant Biotechnology and Molecular Biology. 2008 Aug. 15th to 17th. Organized by Department of Biotechnology, Kakatiya University, Wgl.
- Actively Participated in organizing International Conference on Biotechnology: A Global Scenario. 2010 Nov. 2nd to 4th . Organized by Department of Biotechnology, Kakatiya University, Wgl.
- Actively Participated in organizing International Conference on Biotechnology Human Welfare. 2013 Feb. 7th to 9th . Organized by Department of Biotechnology, Kakatiya University, Wgl.
- Actively Participated in organizing International Conference on Emerging Biotechnologies. 2016 Jan. 28th to 30th. Organized by Department of Biotechnology, Kakatiya University, Wgl

RESEARCH

I completed my Ph.D (2012) under the supervision of Dr. Christopher Thammidala, Department of Biotechnology, Kakatiya University with the research topic “**Studies on medicinal properties of *Pterocarpus marsupium* (Roxb.) and its *in vitro* multiplication**”.

I completed my M.Phil (2007) under the supervision of Prof. Girisham Sivadevuni, Department of Microbiology, Kakatiya University with the research topic “**Studies on L-asparaginase, an antileukemic agent, produced by species of *Fusarium***”.

RESEARCH SUPERVISION

- No of B.Sc Dissertation guided: 50
- No of M.Sc Dissertation guided: 17

AREAS OF RESEARCH

Plant Biotechnology

Genetic Engineering

Pharmaceutical Biotechnology.

TEACHING

- Faculty to teach Under Graduate (B.Sc.) students for 5 years.
- Faculty to teach Post Graduate (M.Sc/5yr Integrated M.Sc.) students of University College, Kakatiya University, Warangal for 11 years

Citations : 242

h-index : 9

i10-index : 9

LIST OF PUBLICATIONS (cumulative impact factor 28.847)

1. Porika M, **Tippani R**, Saretzki GC (2022). CRISPR/Cas: A New Tool in the Research of Telomeres and Telomerase as Well as a Novel Form of Cancer Therapy. International Journal of Molecular Sciences. Mar 10;23(6):3002. **IF:6.208**
2. **Tippani R**, Thammidala C (2021). TDZ induced plant regeneration from immature cotyledons of *Pterocarpus marsupium* Roxb. and validation of genetic homogeneity using ISSR markers. Vegetos 34(1): 144-152
3. **Radhika Tippani**, Rama Swamy Nanna, Praveen Mamidala, Christopher Thammidala (2019). Assessment of genetic stability in somatic embryo derived plantlets of *Pterocarpus marsupium* Roxb. using inter-simple sequence repeat analysis. Physiol Mol Biol Plants 25(2): 569-579. **IF:3.023**

4. **Radhika Tippani**, Laxmi Jaya Shankar Prakhya, Mahendar Porika, Kalam Sirisha, Christopher Thammidala, Sadanandam Abbagani (2013). Pterostilbene as a potential novel telomerase inhibitor: molecular docking studies and its *inss vitro* evaluation. Current Pharmaceutical Biotechnology 14: 1027-1035. **IF:2.829**
5. **RadhikaTippani**, Rajesh Yarra, Mallesham Bulle, **Mahendar Porika**, SadanandamAbbagani, Christopher Thammidala (2013). *In vitro* plantlet regeneration and *Agrobacterium tumefaciens*-mediated genetic transformation of Indian Kino tree (*Pterocarpus marsupium*Roxb.). Acta Physiologiae Plantarum 35(12): 3437-3446. **IF:2.736**
6. **Radhika Tippani**, Anil Kumar Vemunoori, Rajesh Yarra, Rama Swamy Nanna, Sadanandam Abbagani, Christopher Thammidala (2013). Adventitious Shoot Regeneration from Immature Zygotic Embryos of Indian Kino Tree (*Pterocarpus marsupium* Roxb.) and Genetic Integrity Analysis of *In vitro* Derived Plants Using ISSR Markers. Hort Environ Biotechnol 54(6):531-537. **IF:2.138**
7. Porika Mahendar, KalamSirisha, UmasankarKulandaivelu, PrakhyaLaxmi Jaya Shankar, **Tippani Radhika**, Abbagani Sadanandam (2012). *In silico* evaluation of TERT inhibition by anticancer drugs. J Mol Model 18(10):4739-4744. **IF:2.172**
8. Mahendar Porika, **Radhika Tippani**, Sekhar R Bollam, Sree D Panuganti, Christopher Thamidala, Sadanandam Abbagani (2011). Serum human telomerase reverse transcriptase: a novel biomarker for breast cancer diagnosis. Int J ClinOncol 16(6):617-622. **IF: 3.850**
9. Mahendar Porika, **Radhika Tippani**, Anwer Mohammad,Sekhar R Bollam, Sree D Panuganti, Sadanandam Abbagani (2011). Evaluation of serum human telomerase reverse transcriptase as a novel marker for cervical cancer. Int J Biol Markers 26(1):22-26. **IF:3.248**
10. Mahendar Porika, Anil Kumar Vemunoori, **Radhika Tippani**, Sekhar Reddy Bollam, Christopher Thamidala, Sadanandam A (2010). Serum squamous cell carcinoma antigen and cancer antigen125 in southern Indian cervical cancer patients. Asian Pac J Cancer Prev. 11: 1-6. **IF:1.892**
11. **T. Radhika**, P. Mahendar, A. Venkatesham, A.R.N. Reddy, Y.N. Reddy, A. Sadanandam and T. Christopher (2010). Hypoglycemic activity of red kino tree in normal and streptozotocin induced diabetic rats. Int. J. Pharmacol. 6: 301-305. **IF:0.751**

12. **Radhika Tippani**, Mahendar Porika, Venkatesham Allenki, R. N. R. Anreddy, Narsimha Reddy Yellu, Rama Krishna Devarakonda, Christopher Thammidala, Sadanandam Abbagani (2010) Antioxidant and Analgesic Activities of *Pterocarpus marsupium* Roxb J. Herbs, Spices & Medicinal Plants USA, 16(1):63-68.
13. Mahendar P, UdayKiran V, Radhika K, **Radhika T**, Sadanandam A and Rama Krishna D (2009). Detection of telomerase activity in different cancer tissues: early detection. Current Trends in Biotechnology and Pharmacy 3(1): 105-110.
14. Mahendar P, **Radhika T**, UdayKiran V, Rama Krishna D and Sadanandam A (2008). Plant and Human telomeres and telomerases: A Review, Int. J. Pharmacol. Biol. Sci 2(3): 1-14.
15. **Radhika T** and Girisham S (2009). Isolation and Screening of Filamentous Fungi Having the Ability to produce L-Asparaginase, An anti leukemic agent. Bioinfolet. 6(2): 136-139.
16. **Radhika Tippani**, Girisham Sivadevuni (2012). Nutritional factors effecting the production of L-asparaginase by the *Fusarium* sp. African j biotechnol 11(5): 3692-3696.
17. Mahendar P, **Radhika T**, Uday Kiran V, Rama Krishna D and Sadanandam A (2008). Plant and Human telomeres and telomerases: A Review. Int. J. Pharmacol. Biol. Sci, 2(3): 1-14.

BOOK CHAPTERS

1. Govindu D, **Tippani R**, Porika M, Sura SP. Methodology of Assessing Microplastics and Nanoplastics in the Environment: Recent Advances in the Practical Approaches. Micro and Nanoplastics in Soil: Threats to Plant-Based Food. 2023 Mar 7:59-95.
2. **Tippani R**, Kalam S, Podeti S, Porika M. Telomerase in hepatocellular carcinoma. In Theranostics and Precision Medicine for the Management of Hepatocellular Carcinoma 2022 Jan 1 (pp. 181-197). Academic Press.
3. Porika M, Ranjit P, **Tippani R**, Reddy KV. Advances in the Bioremediation of Pharmaceuticals and Personal Care Products (PPCPs): Polluted Water and Soil. In Microbial Products for Health, Environment and Agriculture 2021 (pp. 323-358). Springer, Singapore.

4. **Radhika Tippani**, Rama Narsimha Reddy Anreddy Mahendar Porika (2020). Administration of nano drugs in the treatment of diabetes mellitus. In *Frontiers in Clinical Drug Research - Diabetes & Obesity* by Atta-ur-Rahman. **Bentham Sciences. Vol. 5: 116-137 ISBN: 978-1-68108-446-6.**
5. Mahendar Porika, **Radhika Tippani**, Nazneen Firdous (2018). Pro-apoptotic and anti-telomerase activity of naturally occurring compounds. In: *Frontiers in Anticancer Drug Discovery* by Atta-ur-Rahman, M. Iqbal Choudhary. **Bentham Sciences. Vol. 9:193-233. ISBN: 978-1-68108-390-2.**
6. Mahendar P, Rama Narsimha Reddy A, **Radhika T**, Srividya L (2017). Oral delivery of Nanostructures for treatment of cancer. In: *Frontiers in Anticancer Drug Discovery* by Atta-ur-Rahman, M. Iqbal Choudhary. **Bentham Sciences. Vol. 8:123-159. ISBN: 978-1-68108-390-2.**
7. Mahendar P, **Radhika T**, Ghansingh M, Praveen M, Venkataiah P, Sharadha D, Subhash K and Rama Swamy N (2008) Rapid *in vitro* clonal propagation of *Wedelia chinensis* (Osbeck) Merr- A medicinal plant. Utilization of Biotechnology in Plant Sciences, edited by I. D. Arya and Sarita Arya, 19: 199-206

CONFERENCES/WORKSHOPS/WEBINARS/EDPS ATTENDED

1. One Week Online Faculty Development Program On Advanced Research Methodology during March 21-27, 2022, Jointly Organised by Amiruddaula Islamia Degree College, Lucknow & Science Tech Institute(Run by MKS Educational Society), Lucknow, UP, India
2. One Week Online Training Program on Data Analysis using SPSS during August 17-23, 2020 organized by Science Tech Institute, Lucknow, U.P, India.
3. National level webinar on role of induced mutations in crop improvement and crop protection organized by department of botany, IQAC on 19th august 2020.
4. One-Week Online Short Term Course on “Challenges in Discovery of Antiviral Agents and Vaccines” scheduled from June 8th to 13th 2020, being organized by UGC-Human Resource Development Centre (HRDC), JNTUH, Hyderabad.

5. One Week Online National Level FDP on “Recent Trends & Innovations in Digital Forensic” Organized by Department of Computer Engineering, AISSMS Institute of Information Technology, Pune-01, in Association with ACM Student Chapter & IEEE Pune Section from 25th May-2020 to 30th May-2020
6. National Conference on Emerging trends in plant sciences held on September 9th and 10th 2018 at Department of Botany, Kakatiya University, Warangal, India.
7. International workshop on research methodology and R- programming held on March 20th to 27th 2018 at Department of statistics, Acharya Nagarjuna University, Guntur, Andhra Pradesh, India.
8. International Conference on Emerging Biotechnologies held on January 28th to 30th 2016 at Department of Biotechnology, Kakatiya University, Warangal, India.
9. National Conference on new frontiers in medicinal plants research held on March 8th & 9th, 2015 at Department of Botany, Osmania University College for Women, Hyderabad, India
10. International Conference on Emerging trends in biomarker research-prospects and challenges held on September 13th to 14th 2013 at IICT, Hyderabad, conducted by Jawaharlal Nehru Institute of Advanced Studies (JNIAS), Centre for biotechnology and bioinformatics, Secunderabad, India
11. International Conference on Biotechnology in human welfare held on February 7th to 9th 2013 at Department of Biotechnology, Kakatiya University, Warangal, India.
12. International conference on Biotechnology: A global Scenario held on November 2nd-4th 2010 at Department of Biotechnology, Kakatiya University, Warangal, India.
13. Two-day workshop on bioprocess engineering on August 1st & 2nd 2010 at Chaitanya postgraduate college, Kishanpura, Hanamkonda, Warangal, India.
14. International conference on Plant Biotechnology and molecular biology held on August 15th to 17th, 2008 at Department of Biotechnology, Kakatiya University, Warangal, India.

15. National conference on frontiers in Bioinformatics and Biotechnology held on January 2 & 3rd 2008 at Department of Biotechnology, Kakatiya University, Warangal, India.
16. National Conference on current trends in Plant Sciences held on March 8th & 9th, 2008 at Department of Botany, Kakatiya University, Warangal, India.
17. National seminar on Animal and Molecular Biotechnology held on March 2006 at Department of Zoology, Kakatiya University, Warangal, India.
18. National Conference on current trends in Plant Sciences held on April 16th & 17th, 2005 at Department of Botany, Kakatiya University, Warangal, India.

The information furnished herein is correct and true to the best of my knowledge.

[Dr. RADHIKA TIPPANI]