

Staff Profile

- 1. Name** : Dr. PRASANTHI KUMARI RAVALA M. Sc., Ph. D
2. Designation : Lecturer in Botany (PG)
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PhD Title : Studies on Morpho-physiological, Biochemical and Molecular Responses of Kodomillet (*Paspalum scrobiculatum*) Germplasm under Salinity Stress.”

Teaching Experience:

- Worked as a Lecturer in the Dept. of Botany (PG), Mahatma Gandhi College, Guntur from 2007-2009.
- Taught Classes in the Dept. of Botany (PG), Acharya Nagarjuna University, Guntur from 2010 -2014
- Worked as a Lecturer in SVN Academy, Guntur 2009, 2019.
- Working as a Lecturer in the Dept. of Botany (PG), Andhra Christian College, Guntur from 2019 to till date.

Research Experience

- Acharya Nagarjuna University from **2010 to 2016.**

Academics

1. Awards:

- Awarded Best Researcher Award by Wisdom Educare Academy, Tamil Nadu. January 2024.

2. Editor-Research Books:

- Associate Editor of the International Edited Peer Reviewed Book “Biological, Agricultural & Environmental Sciences.” Red’ Shine Publications, London, Sweden. August 2023.
- Editor for the Book entitled “Advances in Plant Science” Volume III “Bhumi Publishing”, Kolhapur, Maharashtra, India. January, 2022.

3. Guest lectures:

- On Topic “Hydroponic Systems” at Andhra Christian College, Guntur, May 2022.
- On Topic “Methods of Crop Improvement” at Govt. College for Women, Guntur, Nov 2021.

4. Activities

- Conducted Online National Level E-Quiz: on “Basics of Botany”, July 2020.

5. Project Fellow:

- UGC-BSR Non-SAP Meritorious Fellowship in the Dept. Botany & Microbiology at Acharya Nagarjuna University, Guntur, Andhra Pradesh from 2010 to 2015.

List of Publications:

1. R. Prasanthi Kumari Z.Vishnuvardhan and K.Babu (2024). “A Hydroponic Approach to Evaluate Morpho physiological and Biochemical Responses of Kodo millet (*Paspalum scrobiculatum*) genotypes against Calcium Chloride Stress”. International Journal of Multidisciplinary Research Vol 6(2).
2. R.Prasanthi Kumari Z.Vishnuvardhan and K.Babu (2024). “Selection of reliable reference genes for quantitative real -time PCR of salt responsive genes in three kodo millet (*Paspalum scrobiculatum*) accessions against Abiotic Stress conditions”. International Journal of Botany Studies Volume 9, Issue 4, 2024, Page No. 6-11.
3. Prasanthi Kumari, R. and Vishnuvardhan, Z (2015). “Post Anthesis Responses of Kodomillet (*Paspalum scrobiculatum*) Genotypes against Salinity Stress”. International Journal of Development Research Vol. 5, Issue, 11, pp. 5915-5922.
4. Prasanthi Kumari, R. and Vishnuvardhan, Z (2015). “Effect of Salinity Stress on Morpho-Physiological Attributes of Kodomillet Hybrids during Pre-anthesis”. International Journal of Current Research Vol. 7, Issue, 01, pp.11454-11461.
5. R. Prasanthi Kumari and Z. Vishnuvardhan (2015). “Effect of Salinity on Growth, Protein and Antioxidant Enzymes in Three Kodo Millet (*Paspalum scrobiculatum*) Germplasm”. International Journal of Current Microbiology and Applied Sciences Vol. 4(6): 475-483.
6. Prasanthi Kumari R, Vishnuvardhan Z, Jayanna naik, Chandra Obul Reddy and Babu K (2014). “An Efficient Reproducible Method for Extraction of High-Quality RNA from Kodomillet (*Paspalum scrobiculatum* L.) Leaves”. International Journal of Pharma and Bio Sciences Vol. 5 (3): (B) 980 – 986.
7. R Prasanthi Kumari and Z Vishnuvardhan (2014). “Hydroponic Approach to Evaluate Responses of Kodomillet (*Paspalum scrobiculatum*) germplasm against NaCl stress” International Journal of Advanced Research Vol. 2, Issue 8, 156-163.
8. R.Prasanthi Kumari and Z.Vishnuvardhan (2013). “The negative effects of Calcium Chloride on Kodomillet (*Paspalum scrobiculatum*) germplasm during germination”. Journal of Agriculture and Veterinary Science Vol. 6, Issue 1, PP 63-74.
9. Prasanthi Kumari R, Z Vishnuvardhan and K Babu (2013). “A study on effect of NaCl stress on Kodomillet (*Paspalum scrobiculatum*) during germination stage”. Annals of Plant Sciences Vol.2 (10), 388-394.

Seminars, Conferences and Webinars:

1. Participated in Two Day International Webinar on “Emerging Trends in Life Sciences”,organized by SSN College Collaboration with AP State Council of Higher Education,14 & 15 of March 2024.
2. Participated in National Symposium on “Role of Ethnobotanical Medicine in Human Life” organized by Dept.of Botany in collaboration with Regional Ayurveda Research Institute, Ministry of AYUSH, March 2 2024.

3. Participated in “International Seminar on Multidisciplinary Advances in Life Sciences” on Feb 9 2024, Tamilnadu.
4. Participated in Seminar on “Satellite Images for Forestry Environment & Agricultural Application” on Nov 11 2023.
5. Participated in Two-Day National Webinar on “Recent Advances of Plant Sciences” on 23rd & 24th November, 2021.
6. Participated in International Webinar on “Plant Developmental Plasticity: A Molecular Perspective” organized by dept. Of Botany and Microbiology, Acharya Nagarjuna University (ANU) on 27-29 September 2021.
7. Participated in Two-Day Science Academics Virtual Lecture Workshop on “Recent Trends in Biotechnology and Conservation of Medicinal Plants in India” organized by K.B.N. College on 19th & 20th October, 2020.
8. Participated in the International Webinar on “Google Scholar and Google Books” on 14th July 2020.
9. Attended the International Webinar on “Emerging Trends in Genetic Engineering” organized by Chaitanya, (Deemed to be University) held on 30th June 2020.
10. Participated in the National Webinar on “E-Resources for Research” organized by the Crossian Research Forum, Holy Cross College on 30th June 2020.
11. Participated in National Webinar on “Teaching, Learning and Evaluation in Post Covid Era-Introduction to Google Classroom” on 27th June 2020.
12. Participated in the webinar on “Introduction to Intellectual Property Rights and Protecting your Intellectual Property” organized by St. Ignatius college of Education on 25th June 2020.
13. Participated in National Webinar on “Recent Biotechnological Tools for Crop Improvement” held on 24th June 2020 by Acharya N.G. Ranga Agricultural University, Lam, Guntur, in association with Institutional Development Plan under NAHEP.
14. Participated in National Webinar “Post Covid-19,” An Paradigm Shift to Online Learning “organized by Arumugam Pillai Seeethai Ammal College, Thiruppathur on 22nd June 2020.
15. Participated in the Two-Day International Webinar on “Health, Environment & Educational Aspects of covid-19” on 15th & 16th June, 2020.

16. Participated in Webinar on “Application of PCR in Genetic Research” organised by Central Dogma Pvt Ltd, Pune, held on 15th of May 2020.
17. Participated in the one-day National Webinar on the occasion of “World Environmental Day” organized by Hindu College on 5th of June 2020.
18. Participated in the 4th National Webinar “Current Update on Transmission, Virology and Epidemiology” ICMR, NIRT, Chennai, held on 29th May 2020.
19. Attended the webinar “Mangroves Associates-Great Strugglers in Nature” held on 22nd May 2020 on World’s Biodiversity Day, conducted by dept. of Botany, K.J. Somaiya College of science and Commerce.
20. Attended the webinar series on “Health and Hygiene” conducted during 12th to 14th May 2020 by IQAC and Shri Pancham Khemraj Mahavidhyalaya, Sawantwadi.
21. Presented a paper in International conference on “Plant and Microbe Research (ICAPMR)” 6th -8th January, 2016.
22. “6th Indian Youth Science Congress” January 19 -21, 2015. Acharya Nagarjuna University.
23. UGC-DST Sponsored National seminar on “Trends in Biochemistry” 17-18 October, 2014.
24. Presented a paper in National Seminar on “Biodiversity and Conservation of Mangrove Ecosystem in India present Status and Future Perspective” by UGC- SAP- DRS Programme. 21- 22 July, 2014.
25. Presented a paper in UGC Sponsored National Conference on “YVU Plant Biology- 2014”. 24th & 25th February, 2014.
26. Presented a paper in National conference on “Innovations in Plant Research in 21st Century”. 30th & 31st January, 2013.
27. Presented a paper in National Seminar of Plant Physiology on “Physiological and Molecular Approaches for Development of Climate Resilient Crops” December 12-14, 2012.
28. Presented a paper in “Andhra Pradesh Academy of sciences & Acharya Nagarjuna University A.P. science congress” November 14-16, 2012.
29. Participated in National Conference on “Emerging Trends in Biotechnology & Annual Meeting of Society for Biotechnologists” September 24-26, 2011.
30. Participated in National seminar on “Survey, utilization and conservation Medicinal plants.” 13th and 14th December, 2008.

31. Participated in National seminar on “Experimental Techniques and Tools in Chemical Laboratories 1-2, November, 2008.

Refresher Course

1. Completed online two-week course in “Botany” from 29 July -13 August, 2023.
2. Completed online Inter-Disciplinary two-week course in “Managing Online Classes & Co-creating MOOCS 28.0” from 6-20 July, 2023.

Online Certificate Course

- Completed One Week Online Certificate Course on “Basics of Organic Farming” organized by department of Botany and IQAC, A.S.P College, Solapur, Maharashtra during May 17-23 2020.

Short-term E-Course

- Completed Five days Short term E- Course on “Applied Zoology” organized by department of Zoology, Baburao Patil College, Solapur during April 29th-3rd of May2020.

Workshop’s

Offline

1. Participated in UGC-Sponsored International Workshop on “Research Methodology and R-Programming”. 20th to 27th March, 2018, ANU.
2. A One-day Workshop on “Mushroom Cultivation and Entrepreneurship” 2nd December, 2016.
3. Workshop on “patenting for beginners” during 29th July, 2016.
4. Participated in the National Workshop Sponsored by UGC- SERO “Research and Data Analysis” (SPSS) during 22nd to 23rd January, 2015.
5. Participated in Workshop on “Hands on Training on Analytical Instruments” October 18-21, 2011.

Online

1. Participated in one day state level interdisciplinary online workshop on “Intellectual Property Rights”, March 27, 2024.

2. Participated in the 5 Day National Workshop on “The Seven Assessment Criteria for NAAC Accreditation” from 27-31 Oct, 2020.
3. Completed Two-day virtual lecture Workshop on “Recent Trends in Biotechnology and Conversation of Medicinal Plants in India”, organized by Dept. of Botany, KBN College, Vijayawada on Oct 19 & 20, 2020.
4. Participated in Biopython training during 30 May 2020 organized by MHRD, IIT Bombay.
5. Completed Three-day Online Workshop on “Online Course “Design, Development and Delivery” organized by Human Resource Development Centre, University of Hyderabad during May,7-9 2020.

Online FDP’s and PDP

1. Participated in the 7 Day Professional Development Program on “Method of Data Collection and Analysis Through SPSS and Using AI Technology for Research Writing” organized by PG & Research Department of Commerce in Association with IQAC from 18-26 March 2024, Chennai, T.N.
2. Participated in the 7 Day Online FDP on “Revised Assessment and Accreditation Framework of NAAC” in collaboration with APSCHE from 09-15 Sep, 2020.
3. Participated in Five–day program in Botany on “New Knowledge, Pedagogical Methods: New Frontiers in Emerging Technologies” during 13-17 July 2020, Organized by “Commissionerate of Collegiate Education, A.P.
4. Participated in a National level FDP on Multidisciplinary Approach towards Emerging trends in Science & Humanities (MASH-2020) 01-05 June 2020.
5. Completed one-week International FDP on “Technology Assisted Teaching and Virtual learning through ICT tools” Organized by Department of Physics, during 25-30 May 2020, Kadapa.

National Level E-Quiz

1. Participated in National level online quiz on “Basic in Cell Biology” organized by Department of Zoology & IQAC, Maharashtra.
2. Completed quiz on “Indian Traditional Medicine” organized by Department of Botany, Rajamahendravaram.
3. Participated in online “Awareness quiz on covid-19” organized by Department of Physics, University of Jammu.

4. Participated in online “Awareness quiz on covid-19” organized by Department of Physics, Anatapur.
5. Participated in online quiz on “Molecular Biology” Department of Biotechnology, Solapur.
6. Participated in online on covid-19 “Geographical Perspective” organized by Department of Geography & IQAC, Aurangabad.
7. Participated in online “Awareness quiz on covid-19” organized by PG Department of Botany, Vijayawada.
8. Participated in National level online quiz on “Basics of Botany” organized by PG Department of Botany, Guntur.
9. Completed quiz on “Mycology & Plant Pathology” organized by Department of Botany, Gadchiboli.
10. Participated in National level online quiz on” Research and Teaching Aptitude” organized by Department of MCA, Visakhapatnam.
11. Participated in “Quiz on Bharat-The Mother of Democracy” organized by Ministry of Defense and MyGov.

National & International Webinars/Conferences

S.No	National	International	International Conference Poster presentation
1	14	10	02

Educational Background:

- Intermediate - Board of Intermediate, Andhra Pradesh with Second Division.
- SSC - Board of Secondary Education, Guntur, Andhra Pradesh with Second Division.
- B.Sc (BZC) from B.H.H.D. College, Guntur with First Division with Distinction.
- M.Sc from T.J.P.S.College, Guntur with First Division with Distinction.
- Ph.D in Botany from Acharya Nagarjuna University (ANU), Guntur.

Software Proficiency:

O.S : **Windows XP**
 Packages : **MS Office**