

PROFORMA



1. Name of the Teacher : Dr. Ramesh, A.N.
2. Date of Birth : 08/07/1978
3. Designation and Place of work : Assistant Professor, Department of Plant Biotechnology, College of Horticulture, Hiriyur
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rameshan2020@gmail.com
6. Qualifications : Ph.D In Plant Biotechnology

Degree	Year of Passing	Institution
B.Sc. (Agri.)	2000	UAS,Bengaluru
M.Sc.(Agri.)	2005	UAS,Bengaluru
Ph.D	2019	UAS, Bengaluru

7. Professional Experience : 12 Years

Sl. No.	Designation	From	To	Employer	Place of Work
01	Assistant Professor	2011	2016	KSNUAHS	CoH, Hiriyur
02	Assistant Professor (Senior scale AL11)	2016	2021	KSNUAHS	CoH,Hiriyur
03	Assistant Professor(AL12)	2021	Till date	KSNUAHS	CoH, Hiriyur

8. Area of Specialization : Plant Biotechnology, Tissue culture and Genetic Engineering work in crop plants, Diversity analysis and germplasm evaluation studies with markers in crops, Reverse genetics(TILLING) work in Horticulture crops
9. Publications : 1) Engineering of papaya plants with Improved fruit shelf life by ripening related genes through TILLING approach
2) Assessment of survivability and genetic variability in mutated population of Hybrid cut chrysanthemum Cv. Lexy red

- 3) Studies on genetic variability Heritability and genetic advance in Garden Pea (*Pisum sativum*.L.) genotypes under central dry zone of Karnataka
 - 4) Genetic relationship and diversity among pea genotypes assessed using Morphological and molecular markers
 - 5) In vitro evaluation of fungicides against *fusarium equiseti* causing blight of tuberose
 - 6) Analysis of Transgressive Segregation in Three Crosses of Green Gram (*Vigna radiata* (L.) Wilczek)
 - 7) Effect of γ -irradiation on respiration rate and ethylene levels of mutant lines to enhance shelf life of papaya var. arka prabhath (*Carica papaya* L.)
 - 8) Localization of Iron in Grains of Aerobic Rice (*Oryza sativa* L.) by Histochemical Method
 - 9) Molecular identification of *Termitomyces* species from Western Ghats of Karnataka
 - 10) Physiological and genetic diversity analysis of advanced breeding lines of cluster bean [*cyamopsis tetragonoloba* l. taub] for drought tolerance
 - 11) Improving quality and shelf life in papaya (*carica papaya*) through novel approaches
 - 12) *In Vitro* Regeneration of Papaya (*Carica papaya* L.) Variety Surya
 - 13) Effect of Gamma Radiation for Improving Quality in Papaya (*Carica papaya* L.) Cv. Arka Prabhath in M1 Generation
 - 14) Effect of Gamma Radiation for Enhancing Qualitative and Quantitative Traits in Papaya (*Carica papaya* L.) Cv. Arka Prabhath in M2 Generation through TILLING
 - 15) Single cell protein: Management and utilization of agricultural and horticultural waste and production of supplemental protein
 - 16) Biochemical characterization of active ingredient as an anti-diabetic agent in spotted spiral ginger (*costus pictus*)
- 10. Awards Received :** Distinguished Scientist award
Best presentation award
- 11. Foreign visits :** Nil
- 12. Significant contributions :** Dr. Ramesh,A.N. received his B.Sc.(Ag.), M.Sc.(Ag.)

and Ph.D. degrees in Plant Biotechnology from University of Agricultural Sciences, Bangalore. He started his career as Senior Research Fellow in Genetics and Plant Breeding division of UAS, Bangalore. The project was Sponsored by DST-DBT from New Delhi and Later he joined as Assistant Professor of Plant Biotechnology in UHS, Bagalkot.

Dr. Ramesh, A.N. has significantly contributed for farming community in the field of Plant breeding and Plant Biotechnology. He was associated with the release of Five varieties PKB-6, PKB-4, AV-5, and AV-6 in Cow Pea and GKVK-8 in Groundnut and endorsed groundnut variety DH-256 for central dry zone of Karnataka. He worked on standardization of regeneration protocol and transformation of *Gus* as a reporter gene in horticulture crop papaya. He is expertise in TILLING (Targetted Induced Local Lesions in Genomics) reverse genetics work to improve shelf life of papaya variety Arka Prabhat by using ACC Synthase and ACC oxidase gene specific primers and proficiency in High Resolution Melt Curve analysis work. He is involved in development of Mutant lines in papaya for Papaya Ring spot virus in Indian Institute of Horticulture Research, Hesaraghatta.

He has worked as Nodal Officer for Establishment and strengthening of Plant Tissue Culture Laboratory at College of Horticulture-Hiriyur, College of Agriculture, Shivamogga, College of Horticulture, Mudigere and College of Forestry, Ponnampet. Presently working as Principal Investigator for two projects and Co-PI for five projects.

He has been teaching both undergraduate and postgraduate students in plant biotechnology and molecular biology. To his credit he has more than 16 research papers published in national and international journals, 11 research abstracts, 3 training/laboratory manuals. He delivered more than 15 radio talks on cultivation aspects of different horticultural crops.