



ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY
(ESTD, UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)
Rajampet, Annamayya District, A.P – 516126, INDIA

Faculty Profile

Basic Information:

NAME : Dr. B. Sukrutha
DESIGNATION : Assistant Professor
DEPARTMENT : Genetics & Plant Breeding
DATE OF BIRTH : 21-03-1996
DATE OF JOINING : 05.10.2024
EMAIL ID : sukruthacoa@annamacharyauniversity.edu.in
EMPLOYEE ID: : 2303



Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D. (Genetics & Plant Breeding)	Tamil Nadu Agricultural University, Coimbatore	2023
M.Sc. (Genetics & Plant Breeding)	S.V. Agricultural College, ANGRAU Tirupati	2020
B.Sc. (Agriculture)	S.V. Agricultural College, ANGRAU, Tirupati	2018

Research Details:

1. Areas of Specialization	:	Seed improvement, Molecular breeding
2. No. of Publications	:	13 (10 research, 1 review, 2 book chapters)
3. Awards Received	:	Nil
4. Research Guidance		
	No. of PhD Guided:	Nil
	No. of MTech. Guided:	
	No. of B.Tech. Guided:	
5. Details of Professional Membership:		Indian Society of Plant Breeders (ISPB)
6. Subjects Taught	:	Seed Production and Testing Technology Fundamentals of Plant Pathology



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Publication Details:

Title	Publisher	Published Year
1. Possibility for Exploitation and Identification of Rice Yield and Seed Quality Orthologs in Peanut (<i>Arachis hypogaea</i> L.)	Legume Research	2024
2. Assessment of Molecular Diversity and Mapping of Bruchid Tolerance Loci in Green Gram [<i>Vigna radiata</i> (L.) Wilczek]	Legume Research	2024
3. Combining ability and Gene action studies for yield and fibre traits in <i>Gossypium arboreum</i> using Griffings numerical and Haymans graphical approach	Journal of Cotton Research	2023
4. Study on interplay of yield-related characteristics and fibre quality traits in arboreum cotton (<i>Gossypium arboreum</i> L.).	Electronic Journal of Plant Breeding	2023
5. Principal Component Analysis and Path Coefficient Analysis for Groundnut Yield and Seed Quality Attributes (<i>Arachis hypogaea</i> L.).	Legume Research	2023
6. D2 analysis to evaluate the genetic diversity of Peanut (<i>Arachis hypogaea</i> L.)	Agricultural science Digest.	2023
7. Identification of multi-trait donor sources in groundnut (<i>Arachis hypogaea</i> L.) for yield and seed quality improvement.	Electronic Journal of Plant Breeding	2022
8. Estimation of standard heterosis and heterobeltiosis for yield and fibre quality traits in Karunganni cotton (<i>Gossypium arboreum</i> L.)	AATCC Review	2023
9. Variability Studies in F2 Population of Upland Cotton (<i>Gossypium Hirsutum</i> L.) for Yield and Fibre Quality Traits.	International Journal of Agricultural Sciences	2022
10. Can molecular model crop rice become a boon towards progress of groundnut functional genomics?	Journal of Oilseeds Research	2023
11. Conventional and molecular breeding strategies for development and improvement of drought tolerance rice cultivars: Recent approaches and outlooks	Environment conservation Journal.	2023
12. Breeding strategies for improvement of drought tolerance in rice: recent approaches and future outlooks. Sustainable Rice Production - Challenges, Strategies and Opportunities.	Intech open publications	2023
13. Epigenetics: Plant Response to Climate Change. Latest trends in multidisciplinary research (Volume - 2).	Bright Sky Publications.	2024