



Dr. G. KARUPPUSAMY
Assistant Professor (Crop Physiology)
Department of Crop Improvement

Contact

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Email ID : karuppusamy627@gmail.com

Academic Qualification : Ph.D. Agri in Plant Physiology

Teaching Experience : 1 year & 11 months

Research Experience :

Area of Specialization / Interest:

- Nutritional physiology

Publications:

International		National		Others	
Journals	Conference	Journals	Conference	Book Chapters	Books
4	4	1	7	-	-

Patent Files / Published:**Achievements & Awards:**

- Natio Student junior Research Fellowship awarded for M.Sc. programme on “Physiological and Biochemical Analysis on the Effect of Natio 75 WG in Cotton” – sponsored by M/s. Bayer Crop Science Pvt. Ltd.

Events Organized (Workshop / Seminar / Conference):

Sl. No	Type	Events Title	Date	Venue
1.	Participation	National Seminar on “Nanotechnology for Evergreen Revolution”,	2017	TNAU, Coimbatore, Tamil Nadu, India.
2.	Enhancement of physiochemical parameters by foliar application of trifloxystrobin and tebuconazole in Bt cotton	National Seminar on Abiotic Stress Management : Challenges and Opportunities	2018	Department of Crop Physiology, TNAU, Coimbatore
3.	Participation	17 th international Tamil Internet conference	2018	TNAU, Coimbatore
4.	Yield and quality improvement in Bt cotton through foliar application of trifloxystrobin and tebuconazole	National Seminar on Climate Resilient Agriculture for Abiotic Stress	2019	Department of Genetics and Plant Breeding, Faculty of Agriculture, Annamalai University, Tamil Nadu, India
5.	Nutria- physiological studies in Bt cotton by the application of trifloxystrobin and	4 th national conference on Frontiers in Ecobiological	2019	Periyar University, Salem, Tamil Nadu, India

	tebuconazole	Sciences and its Applications (FESA -2019) Theme : Agriculture Ecosystems and Environment at School of Life Science		
6.	Effect of growth regulators and nutrients on photosynthetic efficiency and yield traits in pigeonpea	National Conference of "Plant Physiology on Plant Productivity and Stress Management"	2019	
7.	Participation	National Seminar on Mushrooms – Rice of Research and Retreats for Humanity.	2019	TNAU, Coimbatore, Tamil Nadu,
8.	Impact of plant growth regulators and nutrients on physiological and yield traits in pigeonpea	International Plant Physiology Virtual Conference (IPPVC-2020) on "Prospects of Plant Physiology for Climate Proofing Agriculture"	2020	Sher-e-Kashmir University of Agricultural Science & Technology, Jammu, India and Indian Society for Plant Physiology, New Delhi, India.
9.	Participation	International	2020	Department of

		colloquium on crop physiology (ICCP 2020)		Crop Physiology, TNAU, Coimbatore,
10.	Participation	Commemorative webinar on Pandemics and Hunger Mainstreaming Millets for Addressing Food and Nutritional Security.	2020	University of Hyderabad, Telangana

Events Participated (Workshop / Seminar / Conference): << 5 >>

Sl. No	Title of the Events	Date	Venue / Organized by
1.	UGC-SAP seminar on "Advances in abiotic stress management"	2013	University Grants Commission (UGC), New Delhi, Government of India
2.	LOCUST AND MAN	2020	Mother Theresa College of Agriculture and All India Agricultural Students Association
3.	Challenges, Opportunities and Future of Agri and Allied Research and Education: Post Covid Era"	2020	All India Agricultural Students Association
4.	Recycling of Crop Residues for Sustainable Agriculture"	2021	College of Agriculture (ANDUA&T, Kumarganj, Ayodhya), Kotwa, Azamgarh, Uttar Pradesh
5.	Physiological Interventions for Climate Smart Agriculture (IPPVS 2021)"	2021	ICAR-Sugarcane Breeding Institute, Coimbatore, Tamil Nadu, in collaboration with Indian

			Society of Plant Physiology (ISPP), New Delhi, India.
6.	Innovations in food packing	2020	Department of processing and food engineering, K.K. Wagh college of agricultural engineering and technology
7.	6 th National Conference on Agricultural Scientific Tamil'	2020	Jointly organised by Tamil Nadu Agricultural University and New Delhi based Agricultural Scientific Tamil Society on the theme of 'Tamil can Do: Agriculture-Veterinary-Fishery'
8.	National Conference for Post Graduate Students on "Multidimensional Approaches for Sustaining Food and Nutritional Security"	2021	S.V. Agricultural College, Tirupati
9.	First NABS-International Conference on Life Sciences	2021	Faculty of Agriculture, Annamalai University
10.	7th AGSC (Online & Offline): 'Food, Farmers and Future: Envisioning Amassment of Regenerating and Nourishing Food'	2021	Tamil Nadu Agricultural University, Coimbatore
11.	II workshop on Planning, Executing and Writing an International Quality PhD Thesis Original Research Papers	14 th December 2017	Tamil Nadu agricultural university, Coimbatore
12.	"Real – Time PCR Analysis"	7 th December 2017	Department of Vegetable Crops, HC & RI, TNAU, Coimbatore
13.	Workshop on Sample Preparation, Operation & Report Generation Using iCAP 7200 Duo ICPOES	21 st August 2018	Thermo Fisher Scientific, Tamil Nadu agricultural university, Coimbatore
14.	Technical Workshop on "Phenomics for Evaluation of Physiological Traits"	20 th December	Kerala Agricultural University, Thrissur & Indian Society for Plant

		2019	Physiology, New Delhi.
15.	Technical Workshop on "CRISPR/Cas mediated genome editing"	20 th December 2019	Kerala Agricultural University, Thrissur & Indian Society for Plant Physiology, New Delhi.
16.	Workshop on "Antimicrobial Biomolecules for Plant Health"	1 st October 2019	Department of Plant Pathology, TNAU, Coimbatore
17.	Workshop on Writing Quality Research Papers	2019	Department of Crop Physiology, TNAU, Coimbatore
18.	Advance Techniques Photosynthetic Efficiency and Water Relations in Crops	2019	Department of Crop Physiology, TNAU, Coimbatore
19.	Hands on Training High – Throughput Quantification Reactive Oxygen Species Scavenging Enzymes in Plants (ROSSE 2019)	2019	Department it of Crop Physiology, TNAU, Coimbatore

FDP / Training Programs:

Sl. No	FDP Name		Conducted by	Date

Resource Person / Invited Talks / Other Representations: << 3 >>

- Represented College Team for Kabaddi in Intercollegiate Tournaments
- Participated **NCC ("B" & "C" certificate)** & attend training for two camps
- **Deputy Chairman (SACC) of AIASA, Tamil Nadu** during 2019-2020
- **Deputy Warden** in RVS AGRICULTURAL COLLEGE
- **Staff Advisor** in RVS AGRICULTURAL COLLEGE

Memberships:

List of Publication

Sl. No.	Title of the Article	Name of the Journal	Year of publication	Indexing
1.	Yield and quality improvement in Bt cotton through foliar application of trifloxystrobin and tebuconazole	Journal of Applied and Natural Science	2021	Scopus indexed and peer Reviewed Journal
2.	Effect of Plant growth regulating compounds and nutrients on morpho-physiological characters in pigeonpea (<i>Cajanus cajan</i>)	Journal of Pharmacognosy and Phytochemistry (International Journal)	2021	International peer-reviewed journal (NASS rating 5.21)
3.	Foliar application of plant growth regulators and nutrients induce changes in biochemical characters and yield attributes of pigeonpea	International Journal of Ecology and Environmental Sciences	2021	International peer-reviewed journal (NASS rating 5.28)
5.	Climate Resilient Agriculture	AgroScience Today	2021	online magazine
6	Mechanized Groundnut Production to Overcome Human Labour Complications	AgroScience Today	2021	online magazine
7.	Soil Health And Sustainability	AGRI MIRROR : FUTURE INDIA	2021	online magazine
8.	Enhancement of physiochemical parameters by foliar application of trifloxystrobin and	Madras Agricultural Journal	2016	NASS rating 4.52

	tebuconzole in Bt cotton			
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Additional / Special Qualification if any: