



Dr. Gowthamy U
Assistant Professor

Contact

Address : Assistant Professor (Seed Science and Technology)
Department of plant Breeding and Genetics
RVS Agricultural College, Thanjavur.

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Academic Qualification : M.Sc., Ph.D.

Teaching Experience : 3 Years 4 months (as on April 2024)

Research Experience : 5 Years

Area of Specialization / Interest: Seed Production and Quality Enhancement Techniques

Publications:

| International | | National | | Others | |
|---------------|------------|----------|------------|---------------|-------|
| Journals | Conference | Journals | Conference | Book Chapters | Books |
| 4 | 5 | 1 | 1 | 1 | 5 |

Patent Files / Published: None

Achievements & Awards: Awarded **Dr.S.Radhakrishnan Young Teacher Award** from **December 2023** in the 9th National Conference on Addressing Environmental Challenges in the field of Seed Science and Technology

Events Organized (Workshop / Seminar / Conference): Nil

| Sl. No | Type | Events Title | Date | Venue |
|--------|------|--------------|------|-------|
| 1. | | | | |
| 2. | | | | |

Events Participated (Workshop / Seminar / Conference): 5 / 2 / 6

| Sl. No | Title of the Events | Date | Venue / Organized by |
|--------|--|--|--|
| 1. | Workshop on prospects in bioscience | 15 & 16 th December 2016 | Bharathiyar University, Coimbatore |
| 2. | Workshop on Organic Vegetable Production Techniques | 08 th December 2017 | Tamil Nadu Agricultural University, Coimbatore |
| 3. | Workshop on sustainable development of groundwater | 16 th March 2017 | Tamil Nadu Agricultural University, Coimbatore |
| 4. | 14 th workshop on scientific writing skills | 12 th March 2018 | Tamil Nadu Agricultural University, Coimbatore |
| 5. | Workshop on “Essentials of Research Writing and Using Mendeley Reference Manager” | 17 & 18 February 2024 (Online Mode) | National Skill Development Corporation |
| 6. | National Seminar on Enterprising Mushroom Biotechnology | 16 th March 2017 | Tamil Nadu Agricultural University, Coimbatore |
| 7. | National Seminar on Frontiers in Biotechnology | 18 & 19 th March 2016 | Bharathiyar University, Coimbatore |
| 8. | Second International Seminar on Emerging Trends in Organic Farming and Sustainable Agriculture | 22 - 24 th April 2018 | Mahatma Gandhi University, Kottayam |
| 9. | International Symposium on Innovations and Advancements in Agriculture and Plant Sciences | 23 rd May 2018 | Dhanalakshmi Srinivasan Agriculture College, Perambalur |
| 10. | Second International Scientific Conference on Environmental Research | 13 th August 2018 | The Maldives National University, Maldives |
| 11. | 8 th National Seed Congress | 27 th - 29 th October 2015 | Department of Agriculture and Cooperation Government of Telangana. |
| 12. | 4 th Agricultural Graduate Students Conference | 3 & 4 th May 2016 | Tamil Nadu Agricultural University, Coimbatore |

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|-----|--|----------------------------------|--|
| 13. | National Seminar on Conventional and Molecular Strategies for Sustainable Crop Improvement | 16 & 17 th March 2017 | Department of Plant breeding and genetics, Annamalai university. |
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FDP / Training Programs: 7

| Sl. No | FDP Name | Date | Conducted by |
|--------|--|--|---|
| 1. | Proficiency Training on seed Vigour and quality Enhancement Technologies | 15-05-2018 | Department by Seed science & Technology, Tamil Nadu Agricultural University, Coimbatore |
| 2. | From Seeds to Seeds | 26-06-2019 | MANAVEDAN UP SCHOOL THRIKKALANGODE |
| 3. | jpUj;jpa bey; rhFgo | 2019 | - |
| 4. | Mass Production of Carrier-Based biofertilizer inoculants | 12-12-2022 to 16-12-2022 (Online Mode) | Department of Agricultural Microbiology, Kerala Agricultural University, Vellanikara |
| 5. | Personality Development and Self-Management Skills | 9-02-2023 to 13-02-2023 | RVS Agricultural College, Thanjavur |
| 6. | A Discourse on Teaching-Learning Process. | 02-11-2023 (Online Mode) | Adhiparasakthi Agricultural College, Kalavai, Ranipet |
| 7. | 14 Days National level Faculty Development Programme on "Innovative Teaching Strategies and tools in the digital age " | 11-11-2024 to 24-11-2024 (Online Mode) | Ministry of Education's Institution Innovation Council (IIC GGI Ludhiana) |

Resource Person / Invited Talks / Other Representations: Nil

| Sl. No | Topic | Date | Role | Venue / Organized by |
|--------|-------|------|------|----------------------|
| | | | | |
| | | | | |

Memberships:

- Life Member in All India Agricultural Students Association (AIASA)

List of Publication

International Journal

1. Seed biopriming with Plant Growth Promoting Rhizobacteria (PGPR) in tomato (*Solanum lycopersicum*) cv. PKM1, **Gowthamy, U, V.** Manonmani. International Journal of Agricultures Sciences, 2019
2. Standardization of seed biopriming with liquid biofertilizers on snakegourd (*Trichosanthes cucumerina*), **Gowthamy, U, V.** Manonmani. International Journal of Current Microbiology and Applied Sciences, 2017.
3. Physiological changes of bioprimed snakegourd cv.CO2 seeds during germination, **Gowthamy, U, P.** Selvaraju, G.Hemalatha. International Journal of Agricultural Science and Research, 2016.
4. Biochemical changes of bioprimed snakegourd cv.CO2 seeds during germination, **Gowthamy, U, P.** Selvaraju. International Journal of Agricultural Science and Research, 2016.

National Journals

1. Effect of seed priming with Plant Growth Promoting Rhizobacteria (PGPR) in tomato (*Solanum Lycopersicum*) cv. PKM1, **Gowthamy, U, V.** Manonmani. Trends in biosciences, 2019.

Popular Articles

1. Royal Jelly A Rich Source of Nutrient for Humans, M. Shanmuga Prema, G. Hemalatha, **U. Gowthamy**, Kisan world- A Journal of Agriculture and Rural Development (ISSN NO:0971-9229), 2019.
2. Nanotechnology Applications in Seed Science and Technology, **Gowthamy, U, G.** Hemalatha, M.Shanmuga Prema, Readers Shelf- A Magazine of Agricultural Sciences (ISSN NO:2321-7405), 2018.
3. Fall Army Worm: A Threat to Maize Growers of Tamil Nadu, Hemalatha, G, M. Shanmuga Prema, **U. Gowthamy**, Kisan world- A Journal of Agriculture and Rural development (ISSN NO:0971-9229), 2018.
4. Proteomic Approaches for Seed Research, M. Shanmuga Prem, G. Hemalatha, **U. Gowthamy**, Readers Shelf- A Magazine of Agricultural Sciences (ISSN NO:2321-7405), 2018.

Book Chapters

1. U. Gowthamy. 2022. "Vegetable Seed Production at a glance: Seed Production Techniques in curry leaf. (Publisher: Jaya Publishing House, Delhi) ISBN: **978-93-89996-000**

Books

1. Dr.D.Prabhu, Dr.S. Sivasakthi, **Dr. U. Gowthamy**, Mrs. S. Benaseer, Miss. K. Jothisri and Mr.C.Aswin (2023). A TEXT BOOK ON SEED SCIENCE AND TECHNOLOGY (Publisher: Thangapazham Agricultural College, Vasudevanallur) ISBN: **978-81-961520-6-2**.
2. Dr.D.Prabhu, Dr.S.J.Aruna, Dr.S.Mahendran, Dr.R.Thangaraj, Miss.G.Nivitha and **Dr. U.Gowthamy**, (2023). ELEMENTS OF AGRICULTURAL MICROBIOLOGY (Publisher: Thangapazham Agricultural College, Vasudevanallur) ISBN: **978-81-963468-3-6**.
3. Dr.D.Prabhu, Dr.K.Nalini, Dr.R.Nagganatha Suganthan, and **Dr.U.Gowthamy**,(2023) INTRODUCTION TO PLANT BIOCHEMISTRY (Publisher: Matjeni Publishers,Sivakasi) ISBN: **978-81-965174-0-3**.
4. Dr. D.Prabhu, Dr.S.J.Aruna, Dr.S.Mahendran, Dr.R.Thangaraj, Miss.G.Nivitha and **Dr.U.Gowthamy**, (2023). FUNDAMENTALS OF MICROBIOLOGY (Publisher: Matjeni Publishers,Sivakasi) ISBN: **978-81-963468-4-3**.
5. Dr.S.Sivasakthi, **Dr.U.Gowthamy** and Dr.D.Prabhu (2023). SEED ENTREPRENEURSHIP & SKILL DEVELOPMENT (Publisher: Matjeni Publishers,Sivakasi) ISBN: **978-81-965174-4-1**.

1. Additional / Special Qualification if any: Cleared ASRB - NET 2015

Thanjavur