

RESUME

Dr. S. MATHIVANAN, Ph.D.

Assistant Professor

Department of Botany

A.V.C College (Autonomous)

Mannampandal -609 305

Mayiladuthurai

Email : mathivanan0084@gmail.com

Mobile: +91-9585576638



.....

PERSONAL PROFILE:-

Name	:	S. MATHIVANAN
Father's Name	:	I. Samydurai
Date of Birth	:	04.06.1984
Gender	:	Male
Nationality	:	Indian
Marital Status	:	Married
Languages	:	Tamil & English
Address for Communication	:	Kuzhumoor (Post) Sendurai (Taluk) Ariyalur (District) - 621 714

EDUCATIONAL QUALIFICATION:-

Doctor of Philosophy (Ph.D.)

2011-2015 : Annamalai University, Chidambaram

Discipline : Botany

University : Annamalai University

Division : Awarded

Title : Studies on the effect of plant growth promoting rhizobacteria on germination, growth, biochemical constituents and yield of groundnut (*Arachis hypogaea* L.)

Master of Philosophy (M.Phil.)

2009-2010 : Annamalai University, Chidambaram
Discipline : Botany
University : Annamalai University
Division : First Class
Title : Impact of vermicompost on germination, growth and yield of groundnut (*Arachis hypogaea* L.)

Post Graduation (M.Sc.)

2007-2009 : Annamalai University, Chidambaram
Discipline : Botany
University : Annamalai University
Division : First Class

Bachelor of Education (B.Ed)

2006-2007 : Annamalai University, Chidambaram
Discipline : English & Natural Science
University : Annamalai University
Division : First Class

Under Graduation (B.Sc.)

2001-2004 : Pachaiyappas College, Chennai
Discipline : Botany
University : Madras University
Division : Second Class

Teaching Experience:

Sl. No.	Name of the Institution	From	To
1	AVC College	June 2016	Till Date
2	Others	---	---

AREA OF INTEREST:-

- Biofertilizer
- Environmental Science
- General Microbiology
- Plant Biotechnology
- Horticulture
- Plant physiology
- Cell Biology

PAPERS PUBLISHED IN RESEARCH JOURNALS

1. **Mathivanan S.,** AL .A. Chidambaram, P. Sundaramoorthy, L. Baskaran and R.Kalaikandhan, 2014. The Effect of plant growth promoting rhizobacteria on groundnut (*Arachis hypogaea* L.) seed germination and biochemical constituents. *Int. J. Curr. Res. Aca. Rev.*, **2**: 187-194.
2. **Mathivanan S.,** AL. A .Chidambaram, P. Sundaramoorthy, L. Baskaran and R. Kalaikandhan, 2014. Effect of Combined Inoculations of Plant Growth Promoting Rhizobacteria (PGPR) on the Growth and yield of groundnut (*Arachis hypogaea* L.) *Int. J. Curr. Microbiol. App. Sci.*, **3**: 1010-1020.
3. Kalaikandhan R, P.Vijayarengan, R. Sivasankar and **S. Mathivanan,** 2014. The effect of copper and zinc on the morphological parameters of *Sesuvium portulacastrum* L. *Int. J. Curr. Res. Aca. Rev.*, **2(3)**: 105-120.
4. Kalaikandhan R, P.Vijayarengan, R. Sivasankar and **S. Mathivanan,** 2014.. The pigment content of *Sesuvium portulacastrum* L. under copper and zinc stress. *Int. J. Curr. Microbiol. App. Sci.*, **3(3)**: 1056-1066.

5. **Mathivanan .S**, R. Kalaikandhan, AL. A Chidambaram and P. Sundramoorthy, 2013. Effect of vermicompost on the growth and nutrient status in groundnut (*Arachis hypogaea*. L). *Asian Journal of Plant Science and Research*, **3(2)**: 15-22.
6. Kalaikandhan R, R. Sivasankar, P. Vijayarengan, P. Thamizhiniyan and **S. Mathivanan**, 2012. Impact of the pesticides, monocrotophos and quinalphos on the biochemical contents of red amaranth under arbuscular mycorrhizal fungus inoculation. *International Journal of Environmental Biology*, **2(2)**: 67-73.
7. **Mathivanan S**, AL. A. Chidambaram, P.Sundaramoorthy and R. Kalaikandhan, 2012. Effect of vermicompost on germination and biochemical constituents of ground nut (*Arachis hypogaea*. L.) Seedling. *International Journal of Research in Biological Sciences*, **2(2)**: 54-59.
8. **Mathivanan S**, AL. A.Chidambaram, P.Sundaramoorthy and R. Bakiyaraj 2012. Effect of vermicompost on growth and yield of groundnut (*Arachis hypogaea* L.). *International Journal of Environmental Biology*, **2(1)**: 7-11.
9. **Mathivanan S**, AL. A. Chidambaram, G. Amalan Robert and R. Kalaikandhan 2017. Impact of PGPR inoculation on photosynthetic pigment and protein contents in *Arachis hypogaea* L. *Journal of Scientific Agriculture* **1**: 29-36.
10. Kalaikandhan R, P.Vijayarengan, and **S. Mathivanan**, 2018. Changes in biochemical variation of *Sesuvium portulacastrum* L under copper and zinc treatment. *Int.sci. J. world scientific news. Rev.*, **92(2)**: 139-154.
11. **Mathivanan S**, AL. A. Chidambaram, G. Amalan Robert, R. Kalaikandhan and K.Jayakumar. 2018. Effect of PGPR on biochemical changes and antioxidant status in root and shoot of groundnut (*Arachis hypogaea* L). *International Journal of Environment and Bioenergy* **13(1)**: 16-37.
12. Muthuraman B, G. Amalan Robert, **S. Mathivanan**, K. Jayakumar, T. M.Satheesh Kannan and R. Ranganathan. 2019. Analysis of net leaf photosynthesis in *Aegiceras corniculatum* (L) Blanco under various saline conditions. *Int. sci. J. world scientific news. Rev.*, **27(3)**: 153-162.

SEMINAR AND CONFERENCES ATTENDED:

1. Following Paper presented in International conference on “Converging Biotechnological innovations in environmental welfare “ in KSG College of arts and science, on Sep 19th 2016 at Coimbatore, entitled

- 1a. “Effect of microbial consortium on increasing photosynthetic pigment and protein content in *Arachis hypogaea* L.”
- 1b. Triazole compound hexaconazole induced mitigating effect on drought stressed *Helianthus annulus* L. (sunflower) (Co-author).
- 1c. Effect of environmental stress on rice cultivation and the novel challenges of agricultural marketing with Special Reference to Cauvery Delta Zone (CDZ) – (Co-author).
2. Science academies Lecture workshop on “Perspective in biological research in A V C College on January 23-24th 2017 at Mannampandal, mayiladuthurai.
3. Following Paper presented in national seminar on “Recent advances in plant science research (RAPSAR-2017) in Annamalai University, on March 21- 22th 2017 at Chidambaram, entitled
 - 3a. Effect of microbial consortium on increasing photosynthetic pigment and biochemical constituents in (*Arachis hypogaea*) L.
 - 3b. Effect of copper and zinc on the total sugar and starch content of *Sesuvium portulacastrum* L. (co- Author).
4. ‘Studies on the biochemical constituents of some marine macro algae of Kanyakumari coast’ Paper presented in National symposium on ‘Algal Diversity and Resources Status: Current Trends in Utilization and prospects for innovation. Organized by PG & Research Department of Botany and Marine Ecology & Conservation Lab, V.O. Chidambaram College Tuticorin, In association with Seaweed Research and Utilization Association & Krishnamurthy Institute of Algology, Chennai, on 21-23 Sep 2017. (Co – author)
5. Following Paper presented in national conference on “Recent advances in modern biology and rural development (RAMBARD-2017)” in A.V.V.M. Sri Pushpam College (Autonomous), on October 5th & 6th 2017 at Poondi, Thanjavur, Tamil nadu, entitled
 - 5a. Screening of selected medicinal plants for their Antibacterial activity (co – author).
 - 5b. Effect of plant growth promoting bacteria as inoculants in agricultural soil to enhance macro and micro elements.
 - 5c. Biochemical changes in root and shoot of *Arachis hypogaea* L. induced by plant growth promoting microorganisms.

- 5d. Influence of FYM, CCP and Vermicompost on biochemical minerals and enzyme activity of black gram (co- author).
6. Participated in the workshop on “Research methodology scientific writing and statistical data analysis” organized by Internal Quality Assurance Cell (IQAC) & Research Advisory Committee (RAC), in A.V.V.M. Sri Pushpam College (Autonomous), on October 5th & 6th 2018 at Poondi, Thanjavur, Tamil nadu.
7. Participated in the workshop on “Hands on training to create awareness about applied zoology for self employment” in Govt. Arts college (Autonomous) on October 11-13 2018 at Kumbakonam.
8. Following Paper presented in national seminar on “ADVANCES IN PLANT SCIENCE RESEARCH (APSR-2019) in Annamalai University, on Feb. 27- 28th 2019 at Chidambaram, entitled
8. (a). Triazole on Growth Parameters, Biochemical Content And Enzyme Activities In Drought Stressed *Coleus Vettiveriods* Jacobs. (Co - author)
8. (b). Salinity Stress on Adaptive Mechanism And Physiological Constrains In *Aegiceras Corniculatum* (L.) Blanco. (Co - author)
8. (c). Application of Plant Growth Promoting Rhizobacteria Enhanced to the Soil Nutrients.
9. Participated in the National seminar on “Recent developments in mangrove environment and challenges on its sustainability” in Annamalai University on March 6th 2019 at Parangipettai, Tamil nadu.
10. Participated in the National seminar on “Restoration and bioprospecting of mangroves for future” in Annamalai University on March 8th 2019 at Parangipettai, Tamil nadu.

Proceedings Published in Seminars/Conferences etc.

1. **S.Mathivanan**, AL. A. Chidambaram, G. Amalan Robert and R. Kalaikandhan. 2019. Plant growth promoting rhizobacteria enhancing macro and micro nutrient uptake of groundnut (*Arachis hypogaea*) L., In : *Proceedings of National conference on Contemporary Environmental issues and Conservation of Southern Western Ghats* , Dept. of Botany, Nesamony Memorial Christian College, Marthandam on February 7- 8th (pp. 102 - 111). **ISBN**: 978-93-5346-840-8.
2. B. Muthuraman, G. Amalan Robert, **S.Mathivanan**, T.M. Satheesh Kannan, M. Nagarajan, Silvia Nithiya Kumari and R. Ranganathan. 2019. Analysis of salt

tolerance on growth parameters in *Aegiceras corniculatum* (L) Blanco, In : *Proceedings of National conference on Contemporary Environmental issues and Conservation of Southern Western Ghats* , Dept. of Botany, Nesamony Memorial Christian College, Marthandam on February 7- 8th (pp. 94 - 101). ISBN: 978-93-5346-840-8.

EXTRA-CURRICULAR ACTIVITIES

- National Service Scheme
- Question paper setting in
 1. Thiruvalluvar University.
 2. H.H. The Rajah's college (Autonomous) Pudukkottai.
 3. Poompuhar College (Autonomous) Melaiyur.

Orientations/ Refresher courses attended - Total

Sl. No.	O/R	Title of the Course	From	To	Name of the Institution and Place
1	O	Orientation Course	01.02.18	28.02.18	Pondicherry university

Other Activates in AVC College:

- Coopted Member Board of Studies in Botany (2016 onwards)
- Co-ordinator for student's Exnora
- College Reception Committee Member
- College Stock Verification Committee Member
- College Convocation Committee Member.

COMPETENCIES

1. Good communication and presentation skill
2. Self-starter and motivated honest, sincere and a hard worker

DECLARATION:-

I hereby affirm that the information given is accurate and true to the best of my knowledge.

Yours Faithfully

(Dr. S. MATHIVANAN)