

CURRICULUM VITAE

Name : **Dr. Gayathri.T**

Designation : **SCIENTIST-B**

Qualification : **M.Sc., M.Phil., Ph.D**

Subject Specialization : **Plant Physiology and Biochemistry**

Date of birth : 15-05-1982

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Academic qualification

DEGREE	UNIVERSITY	SUBJECTS	YEAR OF PASSING
B.Sc. Botany	University of Kerala, Thiruvananthapuram	Botany, Zoology & Chemistry	2002 (92.8%)
M.Sc. Botany	University of Kerala, Thiruvananthapuram	Botany (Main), Plant Biotechnology (Specialization)	2004 (81.1%)
M.Phil. Botany	University of Kerala, Thiruvananthapuram	Botany	2007 (A Grade)
Ph.D Botany	University of Kerala, Thiruvananthapuram	Plant Physiology, Biochemistry & Proteomics	2013

Academic Research Experience

1. **JRF** , Dept. of Botany, University of Kerala, Thiruvananthapuram (29-07- 2006 to 28-7-2009)
2. **SRF**, Dept. of Botany, University of Kerala, Thiruvananthapuram (29-07- 2009 to 28-7-2011)
3. **Post Doctoral Fellow**, DST PURSE (2013-2014), University of Kerala, Thiruvananthapuram.

Research Work Experience

Presently working as *Scientist-B* in Central Silk Board (CSR&TI, Mysuru)

International/National conferences / workshops /meeting/training attended:

1. Foundation Training for CSB Young Scientists (29th Feb.to March 15th 2016) at CSB Bangalore, Mysore and Lahdoigarh organized by Capacity building and Training Division, Central Silk Board, Bangalore.
2. Orientation Training for Seed Officers and Seed Analysts (19th ó 20th Nov. 2015) held at CSR&TI, Mysore.
3. First Plant Proteomics Workshop/Training Programme (26th -30 Dec. 2013) conducted by Dept. of Botany, University of Delhi, Delhi.
4. 16th All India Congress of Cytology & Genetics (22nd-24th Oct 2013) held at Dept. of Botany, University of Kerala, Thiruvananthapuram.
5. 25th Kerala Science Congress (29thJan-1stFeb.2013) at Technopark, Thiruvananthapuram.
6. Workshop on emerging Statistical Tools in Life Sciences (11th ó 13th April 2012) at Dept. of Aquatic Biology and Fisheries, University of Kerala, Thiruvananthapuram.
7. International Symposium on Genomics of Crops, Medicinal Plants and Microbes (29th-31st May 2011), organized by Dept. of Botany, University of Kerala, Thiruvananthapuram.
8. 97th Indian Science Congress 2010 at University of Kerala, Thiruvananthapuram.
9. Polygalacturonase gene expression analysis (20th July -19th August 2010) at Plant Gene Expression Lab, NBRI, Lucknow, India.
10. National Symposium -From Chromosomes to Genomesø Challenges and Prospects (26th -28th March, 2008) organized by Dept. of Botany, University of Kerala, Thiruvananthapuram.
11. 2nd Annual meet of IBS Kerala Chapter and one day seminar on Biodiversity for Posterity (2nd Nov. 2007) held at Dept. of Botany, University of Kerala, Thiruvananthapuram.
12. Seminar on DNA-A Tool for Diagnosis of Human and Plant Diseases in connection with National Science Day Celebrations (27th-28th Feb. 2003) organized by Plant Biochemistry and Molecular Biology Unit, Dept.of Botany, University College, Thiruvananthapuram in association with State Committee on Science, Technology & Environment, Govt.of Kerala and DST, Govt. of India.
13. Seminar on Taxonomy in the Kerala context (13th Jan.2000), held at Bishop Moore College, Mavelikara, Alappuzha.

Awards / Achievements

1. Secured **6th Rank** in B.Sc. Botany (2002), from University of Kerala
2. Secured **6th Rank** in M.Sc. Botany (2004), from University of Kerala
3. Qualified **Ph.D entrance exam (Botany)** conducted by University of Kerala (20-11-2005) and secured highest mark (Roll No.738)
4. **Best poster Award** ó National symposium at University of Kerala, Kariavattom, Thiruvananthapuram, held on March 2008
5. Paper selected for **Young Scientist Award Contest** in 97th Indian Science Congress 2010, in the section of öPlant Scienceö
6. Received **Sree Chithirathirunal Scholarship 2007** from Govt. of Kerala for academic merits
7. Selected for **Post Doctoral Fellowship (PDF)** under DST PURSE programme (2013)
8. Selected for **Post Doctoral Fellowship (PDF)** of Kerala State Council for Science Technology & Environment (KSCSTE) (2014)

Research publications (Numbers)

Full length Research Papers	: 6
Research abstracts	: 7
Popular articles	: 1

List most important recent five publications

1. **T.Gayathri**, and A.S.Nair (2015). Purification and characterization of polygalacturonase from ripened fruits of *Musa acuminata* cultivar from Kerala (*Musa acuminata* cv. Palayankodan). *J. Food Measure. Characteriz.* 9(2): 233-239.
2. **T.Gayathri**, and A.S.Nair (2014). Isolatio, purification and characterization of polygalacturonase from ripened banana (*Musa acuminata* cv. Kadali). *International J. Food Sci. Technol.* 49 (2): 429-434.
3. **T.Gayathri**, A.S.Nair and V.A.Sane (2013). Polygalacturonase (PG) gene expression in *Musa acuminata* cultivars from Kerala. *Food Sci. Biotechnol.* 22 (6): 1655-1660
4. S.R.Harish, **T.Gayathri** and K.Murugan (2007).Sodium and chloride ions uptake and translocation in *Sesbania sesban* (L.) Merr. Due to NaCl stress. *Curr. Sci.* 10 (2): 769-773.
5. **T.Gayathri**, T.C. Kishor Mohan and K.Murugan (2007). Purification and Characterization of Polygalacturonase-3 from Jamaica cherry (*Muntingia calabura* Linn). *J.Plant Biochem. Biotechnol.* 16 (1): 127-130.