

RESUME



S. Vasumathi., Ph.D (Pl. Pathology)

Plant Pathology

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Career Objective

- To reach excellence in the field of work
- To gain knowledge in the challenging areas of Plant Pathology
- To attain outstanding research out comes that will have an impact on the society
- To gain excellence and to bring laurels to the organization by being an integral part of it and to grow together with the organization.

Academic Qualification

Class/ Courses	College/ Institutions	Year of study	Marks in %	Board / University
Ph.D (Pl.Pathology)	Tamil Nadu Agricultural university (Coimbatore)	2013- 2018	85.6	Tamil Nadu Agricultural University, Coimbatore
M.Sc. (Pl.Pathology)	Agricultural Collage & Research Institute (Madurai)	2010- 2012	87.2	Tamil Nadu Agricultural University, Coimbatore
B.Sc. (Agriculture)	Agricultural Collage & Research Institute (Killikulam)	1999- 2003	83.0	Tamil Nadu Agricultural University, Coimbatore
12 th	St. Andrews Girls Higher Secondary School (Ramnad)	1998	73.83	State Board
10 th	Govt. Higher Secondary School (Mandapam camp)	1996	65.80	State Board
ASRB National Eligibility Test: Cleared				

Research Experience

During B.Sc

- Exposure to Rural Work - Rural Agricultural Work Experience (RAWE) stayed at Thirukurungudi Tirunelveli District along with the farmers.
- Exposure to Agricultural Department - with ADA, Tirunelveli.

During M.Sc

- Studies on Fusarium wilt of groundnut (*Arachis hypogaea* L.) caused by *Fusarium oxysporum* (Schlecht.)

During Ph.D

- Exploring the diversity of *Trichoderma* species for the management of soil - borne pathogens of cucumber under protected cultivation

Publications

Abstract Published

- Sithanantham, S., P. Selvaraj, T. Boopathi and **S. vasumathi**. 2005. Native fruitfly species composition monitoring with methyl eugenol traps: Initial results in Tamil Nadu, India. National conference on Applied Entomology: Current status, challenges and opportunities, from 26-28, September, Entomological Research Association, Rajasthan College of Agriculture, Udaipur.
- Sithanantham, S., J. Baya, P. Selvaraj, S. Manickavasagam, B. V. David, T. Boopathi and **S. vasumathi**. 2005. Enhancement of impact potential of Trichogrammatid egg parasitoids through selective mating among native strains. Biopesticide conference, Biopesticides: Emerging trends BET 2005. from 11 to 13 November, Palampur, Himachal Pradesh, India.
- Sithanantham, S., P. Selvaraj, T. Boopathi and **S. vasumathi**. 2006. Intra-species variation in reproductive attributes: Scope for utilization and genetic enhancement in native egg parasitoid-*Trichogramma chilonis* in India. International conference on biodiversity of insects: Challenging issues in management and conservation (BIMC) from 30th January to 3rd February, Department of Zoology, Bharathiyar University, Coimbatore.
- Vasumathi, S. and A. Sankaralingam. 2012. Effect of different oilcake extracts in in vitro to control Fusarium wilt of groundnut. National Seminar on Production, Utilization and Marketing of Tree Borne Oil seeds, from 4 and 5 October, AC & RI, Madurai
- Vasumathi, S. and A. Sankaralingam. 2012. Finger printing of *Fusarium oxysporum*. National Symposium on Heading Towards Molecular Horizons in Plant Pathology: Host Resistance, Pathogen Dynamics, Diagnostics and Management, from 16 and 17 November, Sugarcane Breeding Institute, Coimbatore.

- Vasumathi, S. and A. Sankaralingam. 2015. *In vitro* efficacy of different fungicides and bio agents against wilt of groundnut (*F. oxysporum* Schlecht.) 36th Annual conference and National Symposium on Challenges and Management Approaches for the Crop Diseases of National Importance-Status and Prospects, from 12 to 14 February, AC & RI, Madurai.
- Vasumathi, S., K. Eraivan Arutkani Aiyathan and S. Nakkeeran 2016. *In vitro* efficacy of *Trichoderma* for the management of Fusarial wilt of cucumber.4th Agricultural graduate student conference on Agricultural skill development to foster the future, from May 3 and 4, TNAU, Coimbatore.
- Vasumathi, S., K. Eraivan Arutkani Aiyathan and S. Nakkeeran 2016. Phenotypic and molecular characterization of the biodiversity of *Trichoderma* spp. and exploring its synergistic action for the management of cucumber damping off incited by *Pythium aphanidermatum* under protected cultivation.14th International *Trichoderma-Gliocladium* workshop principles to practice (TG 2016) from 27-30 November, College of Agriculture Nagpur (Maharashtra) India.

Research Paper Published

- Vasumathi, S. and A. Sankaralingam. 2013. Management on Fusarium wilt of groundnut(*Arachis hypogaea* L.) caused by *Fusarium oxysporum* (Schlecht.).Madras Agricultural Journal. 100(Special issue): 169-172.
- Vasumathi, S., K. Eraivan Arutkani Aiyathan and S. Nakkeeran. 2016. Exploring the diversity of *Trichoderma* spp. and the synergistic activity of delivery systems for the management of Fusarium wilt of cucumber under protected cultivation. Journal of Mycology and Plant Pathology. 46(4):193-211.
- Vasumathi, S., K. Eraivan Arutkani Aiyathan and S. Nakkeeran. 2017. Biodiversity and molecular characterization of *Trichoderma* spp. and exploring synergistic action for the management of cucumber damping off incited by *Pythium aphanidermatum*. Journal of Pure and Applied Microbiology. 11(1): 487-497.

Work Experience

- Worked as a WDT member (Agri) in Rastriya Sam Vikas Yojana (RAVY) scheme in East and West Arni Thiruvannamalai District for 10 months (25.02.2004 – 31.12.2004).
- Worked as a Research Assistant in Sun Agro Biotech Research Centre, Porur ,Chennai. Working period (01.07.2005 to 31.09.2008).
- Worked as a Junior Research Fellow in Bayer crop science scheme in the Department of Plant Pathology, AC & RI, Madurai. Working period (24.11.2008-31.03.2010)

- Worked as a Junior Research Fellow in Cheminova Private scheme in the Department of Plant Pathology, AC & RI, Madurai. Working period (03.09.2012 to 13.05.2013).

Other activities

- Participated in the National seminar on Organic crop protection technologies for promoting export Agri-Horticulture on November 21-22, 2006, Guru Nanak College, Velachery, Chennai.
- Participated in the National seminar on Bioinformatics and computational biology on March 21-22, 2007, Annamalai University.
- Participated in the National symposium on Recent advances in Bio-Inoculants technology on March 1-2, 2012, AC & RI, Madurai.
- Participated in the National seminar on Breeding for abiotic stress in crop plants on March 22, 2012, AC & RI, Madurai.
- Participated and **Awarded Best Poster Presentation** in National seminar on Production, Utilization and Marketing of Tree Borne Oilseeds. 2012. AC & RI, Madurai.
- Participated and oral presentation in First Agricultural graduate student conference on Food safety and food security - 2013, TNAU, Coimbatore.
- Participated and **Awarded Best Poster Presentation** in 36th Annual conference and National Symposium on Challenges and management approaches for the crop diseases of national importance-Status and Prospects, 2015. AC & RI, Madurai.
- Participated in member of the organizing committee in the 3rd Agricultural graduate student conference on Impact of climate risks on Agricultural and Horticultural productivity. 2015, TNAU, Coimbatore.
- Participated and oral presentation in 14th international *Trichoderma* and *Gliocladium* workshop principles to practice (TG2016) College of Agriculture Nagpur.

Extra-Curricular Activities

- Athletic Player in all Track (100,200,400,800 m running and Hurdles) events
- College athletic champion in the year 2003
- Player in Cho-Cho, Hockey and volley ball.

Languages known

LANGUAGE	READ	WRITE	SPEAK
TAMIL	Yes	Yes	Yes
ENGLISH	Yes	Yes	Yes

Hobbies

- Reading Books
- Listening Music
- Browsing Internet (collecting information)

Personal Details

Name : S. Vasumathi
Date of birth : 17.07.1978
Marital Status : Married
Nationality : Indian
Religion : Hindu
Category : DNC
Father Name : K.Sinnakaruppaiyah
Mother Name : S. Anchanadevi
Permanent Address : W/O N. Muralitharan
3/25, Sethu nagar,Mandapam
Rameshwaram (TK),
Ramanathapuram - 623 501
Tamil Nadu

DECLARATION

Here by, I assure that the information furnished above is true. If I get an opportunity to work in your concern, I assure that I shall discharge my duties to the fullest satisfaction of my Employer and to the best of my ability.

Date: 07.02.2018.

Yours Truly

Place: Madurai.

(S. Vasumathi)