

## CURRICULUM VITAE



**Dr. M. PARANTHAMAN**

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**Address for Correspondence:**

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S/O T. Mahalingam,  
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Dharkast (Post),  
Naduveerapattu,  
Sriperumbudur (Taluk),  
Kanchipuram: 602 109,  
Tamil Nadu.  
India.

**Personal Data**

**Date of Birth :** 01.06.1986

**Sex :** Male

**Nationality :** Indian

**Marital Status:** Married

**Spouse Name:**

Dr. M. Maavimani. Ph.D.,

**Father's Name :**

Mr. T. Mahalingam

**Mother's Name:**

Mrs. M. Mallika

**Languages Known**

*English, Tamil and Telugu*

**Interests and Hobbies:**

Seasoned Internet user, News paper reading, Reading Books & Listening music.

### Objective

To pursue a benchmarking career in an organization that gives me scope to utilize my extensive background expertise in Agriculture and Biotechnology to further advance my knowledge and skills in order to serve the parent organization with utmost fidelity.

### Academic Record

Degree	Institution	Board/University	Year of Passing	GPA/ % of Marks obtained
Ph.D (Genetics & Plant Breeding)	Agricultural College and Research Institute, Madurai.	Tamil Nadu Agricultural University	2019	8.68
M.Sc (Genetics & Plant Breeding)	Agricultural College and Research Institute, Madurai.	Tamil Nadu Agricultural University	2013	8.13
B.Sc (Agriculture)	Adhiparasakthi Agricultural College, Kalavai, Vellore.	Tamil Nadu Agricultural University	2010	8.06
XII	Govt, Hr, Sec, School, Somangalam, Tamil Nadu.	State Board	2003	76%
X	Govt, Hr, Sec, School, Somangalam, Tamil Nadu.	State Board	2001	47%

## ACADEMIC EXPERIENCE

1. Working as a **Assistant Professor** in the Department of Plant Breeding and Genetics at Adhiparasakthi Agricultural and Horticultural College, G. B. Nagar, Kalavai, Vellore, Tamil Nadu.
2. Worked as **Breeding Assistant** in Cotton and Maize for One year (2010-2011) at Rasi Seeds Pvt. Ltd. Attur, Tamil Nadu.
3. Worked as **Junior Research Fellow** in Part II plan scheme entitled “Enhancing the productivity and value addition of millets through knowledge transfer and skill demonstrations” (Millets production) in the Dept. of Millets, Centre for Plant Breeding and Genetics, TNAU- Coimbatore, Tamil Nadu, from 2013 to 2014.
4. Worked as a **Senior Research Fellow**, DBT – Biocare project, in Rice Research Station (RRS) Tirur, Thiruvallur. Tamil Nadu Rice Research Institute (TRRI) Aduthurai from 25.02.2014 to 19.03.2014.
5. Worked as a **Scientific Officer** (Research on pearl millet, classes handled to the students and visitors) in International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Patancheru District, Telangana, from 24.03.2014 to 18.08.2014.
6. **Teaching experiences:** Assisted Breeding and Biotechnology courses for under graduate during my M.Sc and Ph.D programmes. Currently handling courses like PBG 302- Breeding of Field and Horticultural Crops, PGP 451- Plant Genetic Resources and Collection, Conservation and Utilization and PRJ 401- Project work for the undergraduate students.
7. **Research experience in Rice:**

Four years of experience in rice for developing extra early/extreme early rice genotypes. As water is becoming a limiting factor, there is a gradual shift in crop cultivation from irrigated system to water saving technologies like direct seeded rice, aerobic rice, alternate wetting and drying etc., which would be more vulnerable to adverse effects of global warming. Hence, there is an

urgent need to develop very early high yielding rice cultivars in the future to keep pace with the global climatic changes.

### Computer Proficiency

- Knowledge in using Statistical Packages such as, MS EXCEL, AGRES, GENERES.
- Adequate knowledge in working with MS DOS, WINDOWS 2000, Operational skills in MS Office
- Computer Applications and Information Technology
- Working knowledge in Internet explorer.

### Professional Experience

- **R.A.W.E** (Rural agricultural work experience) for 30 days
- Participated in Agri Vision 2020 on symposium, All India Radio / **Doordarshan**, Kodaikanal Station.
- Dedicated **NCC** cadet promoted as a senior sergeant and qualified in **B and C** certificates.
- Attended the ANNUAL TRAINING CAMP at 3 (TN) Battalion NCC Campus, Kanchipuram from 07<sup>th</sup> June 2007 to 18<sup>th</sup> June 2007 and performed good in firing, obstacles, Map reading and volley ball, certified no: 06-13407, Rank: CDT.
- Attended CATC – cum RDC / IGC TRG CAMP held at (TN) Battalion NCC Campus, Kanchipuram from 23<sup>rd</sup> / 25<sup>th</sup> Aug 2007 to 03<sup>rd</sup> Sep 2007. During camp Performed exemplary. certified no: 06-13407, Rank: CDT.
- Attended the CATC – cum – IGC / RDC / TSC (B) CAMP held at (TN) Battalion NCC Campus, Kanchipuram from 21<sup>st</sup> July 2008 to 30<sup>th</sup> July 2008. During camp Performed good. certified no: 06-13407, Rank: SGT.
- Dedicated **Rotaractor** in the Rotaract Club during 2011 – 2013 and served as a secretary of Media.

- Participated in the “Rajagopal Memorial Rotaractors Day Celebrations held at Mannar Thirumalai Naicker College, Madurai on 26<sup>th</sup> January 2012.

### Training

- Organizing committee member in the training programme on “MILLET PRODUCTION AND VALUE ADDITION TECHNOLOGIES” held at KVK, Papparappatti, on January 7<sup>th</sup> & 8<sup>th</sup> 2014.
- Organizing committee member in the training programme on “MILLET PRODUCTION AND VALUE ADDITION TECHNOLOGIES” held at TNAU, Coimbatore on January 30<sup>th</sup> & 31<sup>st</sup> 2014.
- Organizing committee member in the training programme on “MILLET PRODUCTION AND VALUE ADDITION TECHNOLOGIES” held at TNAU, Coimbatore on February 27<sup>th</sup> & 28<sup>th</sup> 2014.

### Seminars & Symposiums

- **Participated** in the “Entrepreneurship awareness camp” organized by Entrepreneurship development agency, Ahmedabad in collaboration with Adhiparasakthi Agricultural and Horticultural College, Kalavai during November 18-20, 2009.
- **Participated, presented and published** a book chapter entitled “Morphological and botanical description in Ashoka (*Saraca asoca*) a vulnerable medicinal plant” in National conference on Emerging trends in medicinal plants and herbal products held on 12<sup>th</sup> and 13<sup>th</sup> December, 2013 organized by the Research Department of Botany, VHNSN college (Autonomous), Virudhunagar, Tamil Nadu.
- **Participated and presented a paper** in the national Seminar on “breeding for abiotic stress in crop plants” held at department of plant breeding and genetics, AC & RI, Madurai on march 22<sup>nd</sup> 2012.
- **Participated and presented a poster** entitled “Studies on in vitro propagation of *Saraca asoca* (roxb.) de wilde a medicinal tree” in first Agricultural Graduate Student Conference during 02-03 May, 2013 held at Tamil Nadu Agricultural University, Coimbatore-3.
- **Participated in the workshop** entitled “Effect of cereal grain primary processing & quality in

agriculture & food industry” organized jointly by the Centre of Innovation, Department of Biotechnology, Agricultural College and Research Institute, Madurai- 625 104 and M/S. Jai Hari Marketing, Salem on March 28, 2017.

- **Participated in the interactive workshop** on “Farmer producer companies: Status and strategies for sustainable functioning” held during 20 & 21<sup>st</sup> March 2017. Organized under ICAR Extramural Project operating in the Department of Agricultural Extension and Rural Sociology, Agricultural College and Research Institute, Madurai.
- **Participated in the “International Conference on Medicinal Plants and Herbal Drugs for Human Welfare (ICMP-2015)”** held at Hotel Le Royal Meridien Chennai, organized by the centre of advanced studies in Botany & Centre for herbal Sciences, University of Madras, Chennai, India in association with Society for Conservation and Resource Development of Medicinal Plants (SMP), New Delhi, India & International Council for Medicinal and Aromatic Plants (ICMAP), Paris, France and delivered an poster presentation entitled ”**Morphological characterization of Ashoka ( *Saraca asoca* ) a vulnerable medicinal tree**”.
- **Participated in the workshop** entitled “Principles and Applications of PCR in genomics Era” organized jointly by the Centre of innovation & Department of Biotechnology, Agricultural College and Research Institute, Madurai – 625 104 and M/s. Eppendorf India Pvt., Ltd., on June 23, 2016.
- **Participated and presented poster** paper entitled “In vitro organogenesis in Ashoka [*Saraca asoca* (Roxb. De Wilde)] in the National Seminar on “Challenges and Innovative Approaches in Crop Improvement” held at Agricultural College and Research Institute, Madurai, Tamil Nadu Agricultural University, during December 16 & 17, 2014.
- **Participated in the “International Conference on Innovative insect Management Approaches for Sustainable Agro Eco-System (IIMASAE)** held between 27 – 30<sup>th</sup> January, 2015 at Agricultural College and Research Institute, Madurai, Tamil Nadu, India.

- **Organizing committee member** in the National Seminar on “Challenges and Innovative Approaches in Crop Improvement” held during December 16 & 17, 2014. Jointly acknowledged by the Indian Society of Plant Breeders and Agricultural College and Research Institute, Madurai, Tamil Nadu, India.
- **Participated and presented a poster** in the National Conference on “Emerging Challenges and Opportunities in Biotic and Abiotic Stress Management (ECOBASM) held during December 13 – 14, 2014 at Directorate of Rice Research, Rajendranagar, Hyderabad, India.
- **Participated** in the **International** conference on innovative insect management approaches for sustainable agro eco-system, Agricultural College and Research Institute, Madurai. On 27<sup>th</sup> -30<sup>th</sup> January, 2015.
- **Participated and presented a poster** entitled “**Transgenic insects for pest management programs**” in the **International** conference on innovative insect management approaches for sustainable agro eco-system, Agricultural College and Research Institute, Madurai.

## PUBLICATIONS

### Popular articles

- Maavimani, M and **M. Paranthaman**. 2015. Strategies for generation of marker-free transgenic plants. Agrobios Vol. XIII, Issue. 10 pp. 14-16
- **Paranthaman, M** and M. Maavimani. 2015. Sิริyanangai- Kariyat (king of bitter) an excellent medicinal herb in India. . Agrobios Vol. XIII, Issue. 11 pp. 70.
- Maavimani, M and **M. Paranthaman**. 2015. Global warming and its impact on rice production. Agrobios Vol. XIII, Issue. 07 pp.34-35
- **Paranthaman, M** and M. Maavimani. 2015. Cell membrane thermostability as a measure of heat stress tolerance. Agrobios Vol. XIV, Issue. 02 pp. 41-42.
- Maavimani, M and **M. Paranthaman**. 2015. Role of heat shock proteins in plants for high

temperature stress tolerance. Agrobios Vol. XIV, Issue. 04 pp. 32-33.

### Abstracts

- Maavimani, M., R. Saraswathi, S. Jebaraj and **M. Paranthaman**. 2014. Evaluation of rice germplasm for heat tolerance. National seminar on “challenges and innovative approaches in crop improvement, Agricultural College and Research Institute, Madurai. Pp: 96.
- **Paranthaman, M**, M. Maavimani, J. Poornima Jency and K. Veni. 2014. High temperature stress tolerance in rice (*Oryza sativa* L.). National conference on emerging challenges and opportunities in biotic and abiotic stress management. December 13 – 14. Directorate of Rice Research, Rajendranagar, Hyderabad.
- **Paranthaman, M.**, R. Usha kumari, N. Lakshmi Narayanan and M. Maavimani. 2015. Morphological characterization and *in vitro* conservation of Ashoka (*Saraca asoca* (Roxb.) de Wilde) a vulnerable medicinal tree. January, 28 – 30. International conference on medicinal plants and herbal drugs for human welfare. University of Madras, Guindy campus, Chennai.
- Maavimani, M and **M. Paranthaman**. Medicinal plants in Tamil Nadu. 2015. Morphological characterization and *in vitro* conservation of Ashoka (*Saraca asoca* (Roxb.) de Wilde) a vulnerable medicinal tree. January, 28 – 30. International conference on medicinal plants and herbal drugs for human welfare. University of Madras, Guindy campus, Chennai.

### Full Papers

- **Paranthaman, M.**, R. Usha kumari, N. Lakshmi narayan and K. Sivasubramaniam Morphological characterization and *in vitro* callus induction in ashoka [*saraca asoca* (roxb.) de wilde.] a vulnerable medicinal tree. **International Journal of Agriculture Innovations and Research** Vol 5: 5, ISSN (Online) 2319-1473 (NAAS Rating: **3.99**)
- M. Maavimani, R. Saraswathi, **M. Paranthaman** and K. Veni. 2014. High temperature stress in rice (*Oryza sativa* L.) at flowering. **Progressive research – An International journal. Vol 9: 1064 –**

**1068 (NAAS Rating: 3.84)**

- **Paranthaman, M. R.** Usha kumari, N. Lakshmi narayanan and K. Sivasubramaniam. Morphological characterization and *in vitro* callus induction in ashoka [*saraca asoca* (roxb.) de wilde.] a vulnerable medicinal tree. **Journal of Tree Science** Vol 36: 1, ISSN (Online) 2455-7129 (NAAS Rating: **3.51**)
- **Paranthaman, M. A.** Ramalingam, P. Arunachalam, C. Vanniarajan, S. Banumathy and M. Maavimani. 2018. Genetic analysis for extra earliness in Rice (*Oryza sativa* L.) among different age groups. **International Journal Chemical Studies**; 6(6): 2263-2267. (NAAS Rating: **5.31**).
- **Paranthaman, M, A.** Ramalingam, P. Arunachalam, and M. Maavimani. 2019. Estimation of gene action in Rice (*Oryza sativa* L.) for extra earliness. **The Pharma innovation Journal.** ; 8(1): 438-442 (NAAS Rating: **5.03**).
- **Paranthaman, M, A.** Ramalingam, P. Arunachalam, S. Banumathy, N. Senthil, R. Babu, M. Maavimani and J. Raguraman . 2019. Genetic analysis for extreme earliness in different age group of rice (*Oryza sativa* L.) germplasm. **Multilogic in science**; 8 (28): 71-77. ISSN 2277-7601. (NAAS Rating- **5.20, impact factor- 4.035**).
- Ambikabathy,A, N. Senthil, C. Vanniarajan, G. Karithikeyan, D. Thirusendura Selvi, N. Jegadeeshselvam, A. Karthikeyan, V. G. Renganathan, M. Kanimoli Mathivathana and **M. Paranthaman**. 2018. Genetics and Molecular Studies for High Beta Carotene in Maize (*Zea mays* L.) Research Journal of Agricultural Sciences: 9(6): 1327-1332. (NAAS Rating- **4.54**)
- Ambikabathy, A, N. Jegadeesh Selvam, D. Thirusendura Selvi, M. Dhasarathan, N. Vairam,V. G. Renganathan, M. Kanimoli Mathivathana, **M. Paranthaman**, A. Karthikeyan, C. Vanniarajan, G. Karthikeyan and N Senthil. 2019. Determination of Combining Ability and Heterosis for Yield and Yield Related Traits in Maize Hybrids Based on Line × Tester Analysis. Research Journal of Agricultural Sciences. **10**(1): 215-220. (NAAS Rating- **4.54**)



## BOOK PUBLICATION

- **Paranthaman, M** and R. Ushakumari. 2014. Tissue culture studies in Ashoka (*Saraca asoca* Roxb. de Wilde). **Lambert Academic Publishing (Germany). ISBN: 978-3-659-31151-2.**
- Book Chapter: **Paranthaman, M.,** R. Ushakumari, and K. Sivasubramaniam. 2013. Morphological and botanical description in Ashoka (*Saraca asoca*) a vulnerable medicinal plant". ATREATISE ON MEDICINAL PLANTS AND HERBAL PRODUCTS. **ISBN: 978-93-81723-18-0.**

## AWARDS

- **UGC: RAJIV GANDHI NATIONAL FELLOWSHIP** for Ph.D research on “Understanding the genetic architecture of extra early rice (*Oryza sativa* L.) at physiological and molecular level” under the Guidance of Professor Dr. A. Ramalingam, Professor, Agricultural Research Station, Tamil Nadu Agricultural University, Kovilpatti.

## Areas of Interest

- Teaching, Research and Development

## Research Executed

### M.Sc. -Thesis

- *In vitro* propagation in Ashoka (*Saraca asoca* Roxb. de Wilde) a vulnerable medicinal plant.

### Ph. D. – Thesis

- Understanding the genetic architecture of extra earliness in Rice (*Oryza sativa* L.)

## Extra-curricular achievements

- Awarded the II position in the **TAMIL DEBATE** in the **CULTURA 2009** –State Level Inter Agricultural College Competition held during 22-23 January, 2009 at Tamil Nadu Agricultural University, Coimbatore.

- Awarded the III position in the **MONO ACT** in the **CULTURA 2009** –State Level Inter Agricultural College Competition held during 22-23 January, 2009 at Tamil Nadu Agricultural University, Coimbatore.
- Awarded the III position in the **KAVI ARANGAM** in the **CULTURA 2009** –State Level Inter Agricultural College Competition held during 22-23 January, 2009 at Tamil Nadu Agricultural University, Coimbatore.
- Awarded the III position in **SHIPWRECK** in the **TALENTIA 2009** –State Level Competition held 2009 at Tamil Nadu Agricultural University, Tamil Nadu Agricultural, College and Research Institute Madurai & Home Science College and Research Institute, Madurai – 625 104.

### Competencies

- Friendly nature
- Sincere and hard working
- Independent and self-motivated
- Self confident and dedicated
- Organized and well structured at work
- Outstanding problem solving skills.

### Declaration

*Hereby, I assure that the information furnished above is true to the best of my knowledge. 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.*

*Thanking you,*

Date: 16.03. 2020

Place: Vellore

**Yours Truly,**



( Dr. M. PARANTHAMAN )

