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## **Dr. H. David Raja**

Assistant Professor

Department of Botany

St. Joseph's College

Tiruchirappalli

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### **Educational Qualification**

<b>Course</b>	<b>Institution</b>	<b>Class</b>	<b>Year of passing</b>
Ph. D Botany	St.Joseph's College	Commended	October 2010
M. Sc Botany	St.Joseph's College	First	April 2004
B. Sc Botany	St.Joseph's College	First	April 2002

### **Title of the Ph. D Thesis**

Studies on *in vitro* propagation and intraspecific genetic variability in the wild phenotypes of *Abrus precatorius* L. – A Medicinal Plant.

The objectives of the present study are:

- *In vitro* propagation of white variety of *Abrus precatorius* and Histology studies on various stages of callus
- Genetic variation studies through RAPD, isozymes and protein analysis of various phenotypes of *Abrus precatorius*

## Final Year M. Sc Project Work

Effect of exogenous foliar application of IAA and GA3 on growth, yield and some biochemical parameters of Tomato cultivars (PKM-1 and Marglobe).

## Working Experience

Designation	Name of employer	Period	
		From	To
JRF	St. Joseph's College, Trichy, Tamil Nadu, India	01.06.2004	30.06.2007
SRF	Institute of Forest Genetics and Tree Breeding, Government of India, Coimbatore, Tamil Nadu, India	09.03.2009	30.09.2009
Lecturer	Selvamm College of Arts and Science, Namakkal, Tamil Nadu, India	28.01.2010	15.03.2011
Lecturer	Sivaraj Sidha Medical College, Salem, Tamil Nadu, India	16.03.2011	30.04.2012

## Training Courses

- Electrophoresis technique in Biotech Institute at Yercaud
- Application of Bioinformatics and Biotechnology in Plantation Crops Research at CPCRI, Kasaragod, Kerala
- “Technical update training and seminar on cutting edge molecular techniques” conducted by Eppendorf company

## Publications of Research Papers

- **H. David Raja** and D.I. Arockiasamy 2008. *In vitro* Propagation of *Mentha viridis* L. from Nodal and Shoot tip Explants. **Plant Tissue Cult. & Biotech.** **18(1):** 1-6. (ISSN: 1817-3121)
- **H. David Raja** and D.I. Arockiasamy 2008. Micropropagation of *Nyctanthes arbor-tristis*. **Journal of Tropical Medicinal Plants.** Vol. **9(2):** 400-403. (ISSN: 1511-8525)

- **H. David Raja**, D.I. Arockiasamy 2015 and S. Senthilarasu. Micropropagation of *Solanum trilobatum* from Shoot-tip explants. **World Journal of Pharmacy and Pharmaceutical Sciences. Vol. 4:** 1730-1734. (ISSN: 2278-4357).
- **H. David Raja** and D.I. Arockiasamy 2015. Micropropagation of *Phyllanthus amarus* from nodal explants. **World Journal of Pharmacy and Pharmaceutical Sciences. Vol. 4:** 1153-1157. (ISSN: 2278-4357).
- **H. David Raja** 2017. Effect of Cytokinins on Micropropagation of *Anoectochilus elatus* Lindl. from shoot tip explants - An Endangered Medicinal Orchid. **IOSR Journal of Biotechnology and Biochemistry (IOSR-JBB). Vol. 4:** 73-76. (ISSN: 2455-264X).
- **H. David Raja** 2017. Survey and Enumeration of *Anoectochilus elatus* Lindl and *Dendrobium aquem* Lindl - Threatened Medicinal Orchids of Kolli Hills (Eastern Ghats) Tamil Nadu, India. **World Journal of Pharmacy and Pharmaceutical Sciences. Vol. 6(9):** 1417-1424. (ISSN: 2278-4357).
- **H. David Raja** and D.I. Arockiasamy 2017. *In vitro* propagation of *Nyctanthes arbor-tristis* L. **Indian Journal of Biotechnology. Vol. 16:**340-343. (ISSN: 0972 - 5849).
- **H. David Raja**, A. Mariya Jenifer, Dr. P. F. Steffi, Dr. B. Thamilmaraivelvi, P. Srinivasan and R. Tamilvanan 2018. Micropropagation of *Plumbago zeylanica* an important medicinal plant. **World Journal of Pharmacy and Pharmaceutical Sciences. Vol. 7(4):** 1823-1829. (ISSN: 2278-4357).
- **H. David Raja**, K. Ramkumar, P. Srinivasan and R. Tamilvanan 2018. Studies on in vitro and ex vitro seed germination of *Passiflora foetida* using various seed germination enhancing substances. **World Journal of Pharmacy and Pharmaceutical Sciences. Vol. 7(4):** 1790-1796. (ISSN: 2278-4357).

## Research Projects

Title of the Project	Type	Finding Agency	Duration	Amount in Rupees	Year
Studies on in vitro propagation and re-establishment of Anoectochilus elatus Lindl. and Dendrobium aquem Lindl. - Two important threatened medicinal orchids of Kolli Hills in Eastern Ghats, Tamil Nadu.	MINOR	UGC	TWO YEARS	440000	2015

## Resource Person

Type of Programme	Title	Beneficiaries	Days	Date
Inservice Training Programme	Inservice Training Programme for Secondary Grade Science Teachers	Secondary Grade Science Teachers	1	08.04.2015
Awariness Talk on Environment	Global Warming Awariness	Environment Club Students	1	26.02.2015
IAS ACADEMY - Coaching Classes	IAS ACADEMY - Coaching Classes for Biology	U.G and P.G Students	1	21.12.2016
IAS ACADEMY - Coaching Classes	IAS ACADEMY - Coaching Classes for Biology	U.G and P.G Students	1	16.02.2016
One Day State Level Workshop	One Day State Level Workshop on Plant Tissue Culture	UG and PG students, Ph .D Scholars and Faculty members	1	08.02.2017
One Day National Level Workshop	One Day National Level Workshop on Plant Cell and Tissue Culture	UG and PG students, Ph .D Scholars and Faculty members	1	14. 02. 2017
Two Days DBT-STAR Programme Workshop on 22&23 February 2017	In vitro propagation Techniques and Ex vitro acclimatization Strategies - DBT STAR Progrmm	Uder graduate Students	2	22.02.2017
Awariness programme	Herbal medicine	Shepherd village people	1	07.09.2017

Guest Lecture	Stem cells - Future of Regenerative Medicine	UG,PG students,Ph .D Scholars and Faculty members	1	27.09.2017
Refresher Course - Indian Academy of Sciences, Bangalore and INSA New Delhi, Bangalore	``BIOPROSPECTION OF BIORESOURCES: LAND TO LAB APPROACH``	Professors and Research Scholars	15	04.01.2018
Subject Related Inter Collegiate Competition	PRASTA FEST - Organizing Secretary	UG and PG College Students	1	09.02.2018
IAS ACADEMY - Coaching Classes	IAS ACADEMY - Coaching Classes for Biology	U.G and P.G Students	1	19.12.2018

### **Seminars (S), Conferences (C), Workshops (W) and Orientation Attended**

Title	Type	Organization Name	Place	Days	Date
Training Workshop on Plant Taxonomy Key Preparation	S	Department of Botany, St. Joseph`s College (Autonomous)	Tiruchirappalli	1	26.09.2014
National Workshop on Vermiculture Techniques	W	Department of Botany, St. Joseph`s College (Autonomous)	Tiruchirappalli	1	12.12.2014
One Day Workshop on Plant Tissue Culture Techniques	W	Department of Botany, St. Joseph`s College (Autonomous)	Tiruchirappalli	1	22.12.2014
National Seminar on Prospects and Challenges of Stem Cell Research	S	Department of Biotechnology, St. Joseph`s College	Tiruchirappalli	1	12.01.2015
National Seminar on Clinical Research	S	Department of Biochemistry, St. Joseph`s College	Tiruchirappalli	1	21.01.2015

Science Academies Lecture Workshop on Vistas in Biology	W	Department of Botany, St. Joseph`s College (Autonomous)	Tiruchirappalli	2	30.01.2015
National Symposium on Recent Advances in Medicinal and Aromatic Plants (NASYMP-15)	Y	Department of Botany, St. Joseph`s College (Autonomous)	Tiruchirappalli	1	05.02.2015
UGC-HRDC - Sponsored 90th Orientation Programme	O	UGC-HRDC- Bharathidasan University	Tiruchirappalli - 620 023	28	13.11.2015
State Level Workshop on Plant Tissue Culture Techniques - Acted as Organizing Secretary	W	Department of Botany, St. Joseph`s College	Tiruchirappalli	1	03.02.2016
National Level Science Academies Lecture Workshop on Bioprospecting and Bioresources (BIBIO 16)	W	Department of Botany, St. Joseph`s college	Tiruchirappalli, Tamil Nadu, India	3	10.02.2016
International Conference on Frontiers in Life Science (ICFLS 16)	I	Department of Botany, St. Joseph`s college	Tiruchirappalli, Tamil Nadu, India	2	07.01.2016
International Scientist Meet	I	Department of Botany, St. Joseph`s college	Tiruchirappalli, Tamil Nadu, India	1	15.12.2016
Dr. V. Balakrishnan Memorial CME Programme	I	Department of Biotechnology, St. Joseph`s college	Tiruchirappalli, Tamil Nadu, India	1	05.03.2015
Nanoscience and Technology	S	Department of Botany, St. Joseph`s college	Tiruchirappalli, Tamil Nadu, India	1	20.01.2016
Bio-Informatics: Challenges & Applications	S	Department of Botany, St. Joseph`s college	Tiruchirappalli, Tamil Nadu, India	1	15.02.2016
State Level Workshop on Plant Tissue Culture Techniques 2017 - Acted as Organizing Secretary	W	Department of Botany, St. Joseph`s College	Tiruchirappalli	1	08.02.2017
National Symposium on Medicinal and Aromatic Plants	Y	Department of Biotechnology, St.	Tiruchirappalli, Tamil Nadu, India	1	15.02.2017

		Joseph`s College			
DBT-STAR Programme Two days Workshop on In vitro propagation Techniques and Ex vitro acclimatization Strategies - Acted as Organizing Secretary	W	DBT-STAR Programme Two days Workshop, Department of Botany, St. Joseph`s College (Autonomous)	Tiruchirappalli, Tamil Nadu, India	2	22.02.2017
Science Academies Lecture Workshop on Vistas in Biodiversity and Bioresources	W	Indian Academy of Sciences and Indian Academy of Sciences	Department of Botany, St. Joseph`s College (Autonomous)	3	02.08.2017
Animal Cell Culture Workshop	W	Life Teck Research Centre	IIT Chennai	1	05.08.2017
National Conference on Application of Plant Metabolites and Vaccine Production	C	PG and Research Department of Biotechnology	Selvamm Arts and Science College, Namakkal	1	22.02.2018

### **In charge of College Organization Services**

- Associate NCC Officer (ANO) for 3 (TN) Air Sqn (Tech) NCC

### **Board of Study Member**

Board Study Member in UG and PG Department of Biotechnology, Selvamm Arts and Science College, Namakkal.

### **Specialization Areas**

- Plant Tissue Culture
- Electrophoresis SDS-PAGE
- Medicinal Plants Conservation
- Preparation of Herbal Formulations

## **Other Activities**

- **Secretary of Student's Council** St. Joseph's College(2003-2004), Tiruchirappalli
- **Department Secretary**, St. Joseph's college, Tiruchirappalli

## **Achievements**

- Got second place in **zonal level 4x100 relay**
- **District level foot ball** runners up
- First place in 4x100 relay (District Level Republic Day Sports)

## **Extracurricular Activities**

- Singing
- Poetry writing (Tamil)
- NCC Cadet

## **Computer Knowledge**

- Basics and MS office
- Internet Concepts
- NTSYS (Molecular analysis software)
- Leica Qwin (Image analysis software)

## **Personal Details**

**Name** : **Dr. H. David Raja**

**Father's Name** : **A. Hentry**

**Date of Birth** : **03.06.1979**

**Sex** : **Male**



**Marital Status : Married**

**Permanent Address : 9\144, Post Office Street ,  
A.N. Mangalamt,  
Karipatti via,  
Valappady Thaluk,  
Salem District  
Pin-636106.**

**Email ID : [bioraja2004@yahoo.co.in](mailto:bioraja2004@yahoo.co.in)**

**Mobile Number : 09443192617**

**The above details are true to the best of my knowledge.**

**Date :**

**Place :**

**Dr. H. David Raja**