

**Name** : R. SANJAY  
**Designation** : Assistant Professor  
**Department** : Botany  
**Date of Joining** : 08.07.2006  
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**Educational Qualification:**

DEGREE	SUBJECT	COLLEGE / UNIVERSITY & PLACE	YEAR COMPLETED
Ph.D	Plant Pathology	Bharathiar University Coimbatore	2005
M.Sc	Botany	The American College	1996

**Specialisation in Teaching:**

Microbiology  
 Plant tissue culture  
 Biochemistry

**Specialisation in Research:** Plant Pathology

**Research Interests:** Fungal entophytes Biological Control methods

**Other Work Experience:**

Designation	Institution / Company	Year - From (month/year) To (month/year)
Asst. Botanist	UPASI Tea Research Inst Valparai	Nov. 2004 – July 2006
Asst. Advisory officer	UPASI Tea research inst Vandiperiyar	Dec 1997 – Nov 2004
Senior Resh. Fellow	UPASI Tea Research Inst Valparai	Oct 1996 – Dec 1997

**Membership in Professional Bodies:** Life member - Mycological Society of India

## UGC Sponsored Projects:

### Major Project:

Title	Year of Award	Amount Awarded	Status of the project- Completed/ Ongoing	Co-investigator, if any
Studies on fungal entophytes of mango and their potential as biological control agents	Feb 2011	8.21 lakhs	Ongoing	

### Publications:

- Kennetk, A.A., Sanjay,R and Palanivelu,P. 2014. Evaluation of correlation between Salivary pH and prevalence of dental caries in subjects with and without Diabetes mellitus. *Research Journal of Recent Sciences*, Vol.3:224-226
- Joshi.S.D., **Sanjay,R.**,Baby.U.I. and Mandal,A.K.A. 2009. Molecular characterization of *Pestalotiopsis* spp. associated with tea (*Camellia sinensis*) in southern India using RAPD and ISSR markers. *Indian Journal of Biotechnology*,8: pp 377-383.
- **Sanjay,R.**, Ponmurugan,P. and Baby,U.I. 2008. Evaluation of fungicides and biocontrol agents against grey blight disease of tea in the field. *Crop Protection*, 27: pp 689–694 (Elsevier journal – Impact factor: 1.99)
- **Sanjay,R.** and Baby,U.I. 2007 Physiological and biochemical changes in tea leaves due to *Pestalotiopsis* infection. *Journal of Plantation crops*, 35(1): 15-18
- Baby,U.I. and **Sanjay,R.** 2006 Seasonal incidence and economic importance of grey blight disease of tea. *Journal of Plantation crops*, 34(1) : 66-67
- Babu.S.,VictorJ llango,R. and **Sanjay,R.** 2006 Early identification of promising tea clones *Camellia sinensis* (L) O. Kuntze based on genetic divergence studies. *Journal of Plantation crops*, 34(3) : 171-174
- Selvasundaram,R., Sasidhar,R., **Sanjay,R.** and Muraleedharan,N.2004 Seasonal abundance of Thrips and crop loss in tea. *Journal of Plantation crops*, 32(3) : 49-52
- Prem kumar,R., **Sanjay,R.** and Ponmurugan,P. 2002 Forecasting of blister blight disease of tea. In: Plantation Crops research and development in new millennium. *Proceedings of PLACROSYM XIV*. pp 535-540.
- **Sanjay,R.** and Baby,U.I. 2005 Grey blight disease in tea. *Planters' Chronicle*: 101(11)
- Sasidhar,R and **Sanjay,R.** 2000 Cultural control of Tea Mosquito Bug. *News Letter, UPASI Tea Research Foundation*: 10 (1)

- Babu,A., Sasidhar,R and **Sanjay,R.** 2002 Efficacy of *Verticillium lecanii* against Thrips, *News Letter, UPASI Tea Research Foundation*: 12 (1)
- **Sanjay,R.**, Baby,U.I., Sasidhar,R. and Prem kumar,R. 2003 Impact of harvesting methods on grey blight incidence, *News Letter, UPASI Tea Research Foundation*:13(1)
- **Sanjay,R.**, Baby,U.I., Sasidhar,R. and Prem kumar,R. 2004 Control of grey blight disease in tea. *News Letter, UPASI Tea Research Foundation*: 14(1)
- Baby,U.I. and **Sanjay,R.** 2004 Economic threshold level of grey blight disease *News Letter, UPASI Tea Research Foundation*:14(2)
- Baby,U.I, PremKumar,R., Ajay,D., **Sanjay,R.**, and Sasidhar,R. 2004 Chemical and Biological control of Red root disease. *News Letter, UPASI Tea Research Foundation*: 14(2)

#### **Awards:**

\* Awarded second prize for best presentation of paper in Dr. C.S. Venkata Ram Memorial Colloquium XIV held at UPASI TRF on October 2005

#### **Presentation in the National conferences - 5**

a. Presented a paper titled “**Studies on endophytic fungal diversity of mango (*Mangifera indica* L) from Madurai region**” at National Conference on New opportunities and Challenges in Microbial Research, during September 5- 6<sup>th</sup>, 2013 at Bharathidasan University, Tiruchirappalli. Tamil Nadu.

b. Presented a poster titled “**Secondary metabolite production and antagonistic activity of the endophytic *Trichoderma* spp. from Mango (*Mangifera indica* L.)**” in the National Conference on Frontier vistas in modern biotechnology 2013 on December 12<sup>th</sup> 2013, at The American College, Madurai, Tamil Nadu.

c. Presented a poster titled “**Biocontrol potential and secondary metabolite production by endophytic *Trichoderma* spp. from mango (*Mangifera indica* L.)**” in National Conference organized by Annamalai University and Mycological Society of India, during 27-28<sup>th</sup> February 2014 at Annamalai University, Chidambaram, Tamil Nadu.

d. Presented a paper titled “**Studies on endophytic *Aspergillus* Spp. from mango (*Mangifera indica* L.)**” in National Symposium on Mycological Research – Emerging Trends, applications and prospects and 41<sup>st</sup> Annual Meeting of Mycological Society of India, during 23-24<sup>th</sup> February 2015 at Punjabi University, Patiala, Punjab.

e. Presented a paper titled “**Secondary metabolite production and antagonistic activity of endophytic *Chaetomium globosum* Kunze**” in National Conference on Emerging Trends In Fungal Biology and Plant Protection and 42<sup>nd</sup> Annual Meeting of Mycological Society of India at Centre of Advanced Study in Botany, Banaras Hindu University, Varanasi during February 16-18, 2016

### **PhD Guideship:**

Co guide for Dr. A. Sri Kennath J Arul (Regn. No. P8712), Madurai Kamaraj University

### **PG Student Projects: 3**

1. Study on Plant disease forecasting models and their applications – June 2011
2. Study on fungal endophytes of mango – May 2012
3. Studies on *Chaetomium globosum* Kunze an endophytic fungus isolated from *Mangiferae indica* L – May 2015

### **UG Student Projects: 8**

1. Post harvest diseases of selected fruits and vegetables - June 2009
2. Study on pathogenicity of endophytic and pathogenic isolates - May 2010
3. Macro fungi of Alagar Hills, Madurai – June 2011
4. Survey on Climate change effects on Plant pathosystem – April 2012
5. Survey on agrobiodiversity of selected areas in Madurai district - May 2013
6. Studies with endophytic *Aspergillus* spp. from mango (*Mangifera indica* L.) - May 2014
7. Diversity of fresh water algae from the river Vaigai, Madurai District – May 2015
8. Study on wood and wood based industries in Madurai District – May 2016

### **Membership in professional bodies:**

Life member in Mycological Society of India

### **Seminars / Conferences attended: 8**

1. Inter Collegiate Green Wave Celebrations on Biodiversity – Conservation and Management DST FIST sponsored at Lady Doak college, Madurai, 13-14<sup>th</sup> Aug. 2010
2. International workshop on Climate change at Thiagaraja College of Engineering, Madurai on 6<sup>th</sup> April 2012
3. National seminar of the Second Indian Biodiversity congress at Bengaluru from 9-11<sup>th</sup> December 2012
4. National Conference on “Frontier vistas in modern biotechnology 2013” on December 12<sup>th</sup> 2013, Department of Immunology & Microbiology, The American College, Madurai, Tamil Nadu.
5. National Conference on “New opportunities and Challenges in Microbial Research” during September 5- 6<sup>th</sup>, 2013 at Bharathidasan University, Tiruchirappalli. Tamil Nadu.
6. National Conference on “Fungal diversity and Biotechnology for food and chemicals” and 40<sup>th</sup> Annual meeting of the Mycological Society of India, during 27-28<sup>th</sup> February 2014 at Annamalai University, Chidambaram, Tamil Nadu
7. National Symposium on Mycological Research – Emerging Trends, applications and prospects and 41<sup>st</sup> Annual Meeting of Mycological Society of India, during 23-24<sup>th</sup> February 2015 at Punjabi University, Patiala, Punjab.

8. National Conference on Emerging Trends In Fungal Biology and Plant Protection and 42<sup>nd</sup> Annual Meeting of Mycological Society of India at Centre of Advanced Study in Botany, Banaras Hindu University, Varanasi during February 16-18, 2016
9. Department of Immunology & Microbiology, The American College, Madurai, Tamil Nadu.

**Gene sequence submission:**

*Daldinia eschscholtzii* isolate ACD01 : Gene sequence of internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence, submitted to NCBI Genbank on 14<sup>th</sup> July 2016 bearing accession no. KX122024.1

**Orientation programme / Refresher course / BOS attended:**

Attended orientation programme at UGC Academic Staff College , MKU Madurai from 01-28<sup>th</sup> February 2012

Attended Refresher course in “Emerging trends in Life Sciences” at UGC Academic Staff College , MKU Madurai from 7-27<sup>th</sup> November 2013

Participated in Board of studies meeting of Zoology Department on 14<sup>th</sup> Feb.2014

**Research Projects:**

UGC Major Research Project- (F.No.39-425/2010 (SR))

Funding agency : UGC, New Delhi

Status - Completed

Principal Investigator: R.Sanjay

Title of the project: Studies on fungal endophytes of mango and their potential use as biological control agents

Project period : Feb. 2011 to Jan.2014, 3years

**Other activities / academic credentials:**

**International Journals:**

Sanjay, R., Ponmurugan, P and Baby U.I 2008 Evaluation of fungicides and biological control agents against grey blight disease of tea in the field crop protection 27: pp 689-694 (IF: 1.99)

**National Journals:**

Joshi S.D. Sanjay R., Baby U.I and Mandal A.K.A 2009 Molecular characterization of Pestalotiposis spp. Associated with tea *Camellia sinensis* in southern India using RAPD and ISSR markers Indian Journal of Biotechnology 8: PP 377-383.

Sanjay R. And Baby, U.I 2007 Physiological and biochemical changes in tea leaves due to pestalotiposis infection journal of plantation crops, 35 (1): pp 15-18

Baby U.1 and Sanjay R. 2006 seasonal incidence and economic importance of grey

blight disease of tea journal of Plantation crops 34 (1): pp 66-67

Babu S., Victor Ilango R. And Sanjay R. 2006 Early identification of promising tea clones *Camellia sinensis* (L) O Kuntze based on genetic divergence studies Journal of Plantation crops 34 (3) : pp 171-174

Sanjay, R. And Baby U.I 2005 Grey blight disease in tea planters chronicle: 101 (11)

Selvasudaram R., Sasidhar R., Sanjay R. And Muraleedharan N. 2004 Seasonal abundance of Thrips and crop loss in tea Journal of Plantation crops 32 (3): pp 49-52.

**Conference/seminar presentations:**

Physiological and biochemical changes in tea leaves due to pestalotiopsis infection at plantation crops symposium PLACROSYM – XVII during 5-8<sup>th</sup> December 2006 at Kochi, Kerala

Forecasting of blister blight disease of tea at plantation Crops research and development in new millennium plantation crops symposium PLACROSYM XIV during December 2002 at Kasaragod.