

# CURRICULAM VITAE

## B. MAHESH

- Excellent Academic Record (University of Mysore- Ph.D in Biotechnology)
- Excellent speed of comprehension when presented with new ideas
- Willingness to continuously update knowledge to keep pace with the industry

<b><u>Address:</u></b>	<b><u>Personal Data:</u></b>	<b><u>Languages Known:</u></b>
# 771, Male Mahadeswara Road, Nazarbad, Mysore-570010. Karnataka, INDIA.  <b>Phone: +91 9448938659</b> <b>+91-08212446940</b> Email: <b>maheshmayee@gmail.com</b>	DOB: 18 <sup>th</sup> Feb 1972 Sex: Male Marital Status: Married Nationality: Indian  Passport No. : <b>F 3762796</b>	English (Read/write/speak) Hindi (Read/write/speak) Kannada (Read/write/speak)

### Academic Qualifications

- **Ph.D in Biotechnology**  
Year: 2004-09  
Department: Department of Studies in Biotechnology, Manasagangothri, Mysore  
University: University of Mysore Karnataka, India
- **M.Phil. in Seed Technology**  
Year: 1996-1997  
Department: Department of Studies in Biotechnology, Manasagangothri, Mysore  
University: University of Mysore Karnataka, India
- **M.Sc. in Microbiology**  
Year: 1995-96  
Department: Department of Studies in Microbiology, Manasagangothri, Mysore  
University: Mysore University, Mysore- Karnataka, India
- **Additional Qualification: -**  
**P. G. Diploma in Human Resource Management**  
Year: 2005-2006  
Institute: B.N. Bahaddur Institute of Management Science, Manasagangothri,  
Mysore  
University: Mysore University, Mysore- Karnataka, India  
  
Diploma in Computer Basics  
Microsoft word, Excel, PowerPoint, Page maker, Adobe Photoshop

## **RESEARCH EXPERIENCE**

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2006-till date Working as a **Senior research fellow (CSIR)** at the Department of Studies in Applied Botany and Biotechnology, University of Mysore, Manasagangotri, Mysore – 570 006, India. As a Ph D scholar; Research specialist-Plant pathology/ Endophytes/ Bioactives.

2003-2006 Worked as a Project Fellow in the DBT project entitled “**Screening of endophytic and non-culturable microbes for endothelin receptor antagonist activity**” project at the Department of Applied Botany and Biotechnology, University of Mysore, Mysore, Karnataka, India.

2002-2003 Worked as a Junior Research Fellow in DBT project on “**Induction of Fusarium wilt resistance in banana cultivar ‘Nanjangud Rasabale’ through cell and tissue culture and irradiation**”. Department of Applied Botany and Biotechnology, University of Mysore, Mysore, Karnataka, India.

1998-2002 Worked on several projects on **Seed Bacteriology, Virology and Mycology**

1997-1998 Worked as a Green house Supervisor at **Labland Biotechs Private Limited**, Mysore, from November to February, Karnataka, India

1996-1997 One year Pre Ph.D programme in M. Phil Seed Technology and Seed Pathology with specialization in seed bacteriology. Dissertation title: “**Detection and characterisation of seed born bacterial pathogens on French bean (*Phaseolus vulgaris*. L)**” at the Department of Applied Botany and Biotechnology, University of Mysore, Mysore, Karnataka, India.

1996-1996 Worked as a **Project trainee at C.F.T.R.I.** Mysore, from July to Sept Karnataka, India.

### **Awards:**

Senior Research Fellowship awarded from Council of Scientific and Industrial Research (CSIR), India from May 2006 to till date.

Junior Research Fellowship awarded from Department of Biotechnology, New Delhi, India from July 2003 to May 2006.

Junior Research Fellowship awarded from Department of Biotechnology, New Delhi, India from July 2002 to January 2003.

## **Research Publications:**

### **Published**

1. **B. Mahesh** and S. Satish 2008. Antimicrobial Activity of Some Important Medicinal Plant Against Plant and Human Pathogens **World Journal of Agricultural Sciences** 4 (S): 839-843.
2. Tejesvi, M. V., **Mahesh, B.**, Nalini M. S., Prakash, H. S., Kini. K. R, Ven Subbiah, and Shetty, H. S. 2006. Fungal endophyte assemblages from ethnopharmacologically important medicinal trees. **Canadian Journal of Microbiology**. 52. 427-435. IF-1.0
2. Tejesvi, M. V., Nalini M. S., **Mahesh, B.**, Prakash, H. S., Kini. K. R, Ven Subbiah, and Shetty, H. S. 2006. New hopes from endophytic fungal secondary metabolites. **Journal of Mexican Chemical Society**. 37-44
3. **B. Mahesh**, M. V. Tejesvi, M. S. Nalini, H. S. Prakash, K. R. Kini, Ven Subbaiah and H. S. Shetty. 2005 Endophytic mycoflora of *Azadirachta indica* A. Juss of inner bark. **Current Science**. 88(2):1-2 **IF-0.7**
4. M. S. Nalini, **B. Mahesh**, M. V. Tejesvi, H S Prakash, Ven Subbaiah, K. R Kini & H. S. Shetty.2005. Fungal endophytes from the three-leaved caper, *Crataeva magna* (Lour.) DC. (Capparidaceae) **Mycopathologia** 159(2):245-250 **IF-0.5**
5. M. V. Tejesvi, **B. Mahesh**, M. S. Nalini, H. S. Prakash, K. R. Kini, Ven Subbaiah, and H. S. Shetty. 2005. Endophytic fungal assemblages from inner bark and twig of *Terminalia arjuna* W.& A. (Combretaceae). **World Journal of Microbiology & Biotechnology** 2:1535-1540 **IF-1.0**

### Communicated:

1. **B. Mahesh**, M. V. Tejesvi, H. S. Prakash, Ven Subbaiah and H. S. Shetty. 2008 Endophytic fungal diversity in the inner bark and twig of *Azadirachta indica* A. Juss and *Crataeva magna* (Lour.) DC. (Communicated).

### **CONFERENCES/SEMINARS/WORKSHOPS ATTENDED**

1. Antimicrobial properties of *Tinospora cordifolia* and *Ziziphus mauritiana*. 30<sup>th</sup> **Annual conference and symposium** on Advances in Biotechnology for plant protection from November 17-19, 2008 held at Department of Applied Botany and Biotechnology, University of Mysore, Manasagangotri, Mysore. Karnataka, India.

2. Seed endophytes and their significance. **2<sup>nd</sup> International symposium** on Seed Health in Agricultural Development Proceedings from June 9-12, 2008 held at Department of Applied Botany and Biotechnology, University of Mysore, Manasagangotri, Mysore. Karnataka, India.
3. Seasonal variation in endophytic fungal assemblages of inner bark and twig of *Azadirachta indica* A. Juss and *Crataeva magna* (Lour.) DC. **National Seminar** on Molecular plant Pathology and Biotechnology for sustainable crop production, from November 28-29, 2007 held at Department of Applied Botany and Biotechnology, University of Mysore, Manasagangotri, Mysore. Karnataka, India
4. Antimicrobial activity of endophytic fungal extract from *Azadirachta indica* A. Juss. **58<sup>th</sup> Annual meeting** of Indian Phytopathological Society and National symposium on Emerging plant diseases, their diagnosis and management, from January 31-February 2, 2006 held at Department of Botany (UGC-SAP), University of North Bengal, Siliguri. India
5. Antifungal activity of endophytic mycoflora of *Crataeva magna* (Lour.) DC. **28<sup>th</sup> Annual meeting** of Indian Society of Mycology and Plant Pathology from November 9-11, 2006 held at G.B. Pant University of Agriculture & Technology Pantnagar, Uttaranchal, India
6. Isolation and evaluation of endophytic fungi for antimicrobial activity from inner bark of *Azadirachta indica* A. Juss. and *Crataeva magna* (Lour.) DC. **Second Global Conference** from November 25-29, 2005 held at Indian society and Mycology and Plant Pathology and Maharana Pratap University of Agriculture & Technology, Udaipur, Rajasthan. Uttar Pradesh, India
7. Screening of endophytic microflora from medicinal plants. **92<sup>nd</sup> Indian Science Congress** from January 3-7, 2005 held at Nirma University of Science & Technology, Ahmedabad, Gujarat, India
8. Endophytic mycoflora of *Crataeva magna* (Lour.) DC bark. **National seminar** on emerging trends in Applied Botany, Seed science and Technology from November 4-6, 2004 held at Department of Applied Botany and Biotechnology, University of Mysore, Manasagangotri, Mysore. Karnataka, India
9. Isolation of endophytic fungi from *Azadirachta indica* A. Juss. **26<sup>th</sup> Annual Conference** and Symposium of Indian Society of Mycology and Plant pathology (ISMPP) from October 7-9, 2004 held at Department of Botany (UGC-SAP), Goa University, Goa. India

## Workshops

1. **Management of Intellectual Property Rights in Biotechnology**, 8-9<sup>th</sup> Jan, 2009. Organized by Biotech Consortium India Limited, New Delhi. Sponsored by DBT Govt. of India New Delhi.
2. **How to protect and promote traditional products handicrafts, natural agricultural and industrial goods**. 31<sup>st</sup> March, 2007 at Sri Jayachamarajendra college of engineering, Mysore, Karnataka India
3. **Intellectual property and innovation management in knowledge era**. 30<sup>th</sup> March, 2007 at Sri Jayachamarajendra college of engineering, Mysore, Karnataka India
4. Selected for training course on **'Recent Techniques in Structural and Functional Genomics**, December 15-24, 2006 at Central Institute of Medicinal and Aromatic Plants (Council of Scientific and Industrial Research), Lucknow. India
5. **Personality Development**. 18<sup>th</sup> February, 2006 at International Leadership Institute of M/s Infosys, Mysore. Karnataka, India
6. **Intellectual Property Rights**. January 15-16, 2005 at University of Mysore, University of Mysore and National law school of India, Universities, Bangalore. Karnataka, India

## *Fields of Interest:*

**Molecular Biology, Biochemistry, Immunology, Molecular plant pathology and Genetic engineering.**

## *Techniques Familiar:*

### **Microbiological techniques**

**Microscopy: Compound microscope, Stereo binocular microscope, Fluorescent microscope, Electron microscope.**

Immunological techniques: ELISA and DIBA

Biochemical technique: Chromatography - Paper, TLC, Gas chromatography (GC), Mass spectrometer (MS).

Electrophoresis: SDS-PAGE, Native PAGE, Agarose gel electrophoresis etc.

Spectrophotometric estimations: Protein estimation, Enzyme kinetics

Molecular Biology techniques: Genomic DNA, Plasmid DNA and RNA isolation  
RAPD-PCR, IC-RT-PCR, Southern blotting, Northern blotting, Hybridization technique.

*Teaching Experience:*

Five years of teaching experience (M.Phil - Seed Technology and Seed Pathology, M. Sc - Biotechnology) at DOS in Applied Botany and Biotechnology, University of Mysore. Karnataka, India

**Professional Affiliation:**

- Association of Microbiologists of India, Mysore Chapter
- Society of Biological Chemists, India
- Indian Phytopathological society
- Indian Botanical society
- Indian Science Congress Association

***References:***

**Dr. H. S. Prakash**, Professor,  
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Department of Biochemistry and Nutrition,  
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(C.F.T.R.I), Mysore, Karnataka, INDIA.  
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**Declaration:**

I hereby declare that the above details are true to the best of my knowledge.

**Place: Mysore**

**Date: 29<sup>th</sup> June 2009**

**B. MAHESH**