

BIODATA



Name: Dr. P.K. Maheshwar

Designation: Assistant Professor and Head of the Department

Department: Microbiology, Yuvaraja's College, University of Mysore

Specialization: Food Microbiology, Mycology, Bacteriology, Molecular Biology and
Medical Microbiology

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Qualification: M.Sc., M.Phil., P.hD.

Sl. No.	Degree obtained	University	Subjects	Year	Grade
1.	M.Sc.	Kuvempu University	Microbiology	2000	First
2.	M. Phil.	University of Mysore	Seed technology- Specialization inPhyto- Bacteriology	2002	First
3.	Ph.D.	University of Mysore	Microbiology	2011	Awarded

I) Teaching experience as permanent faculty: 14 years

Teaching experience in PG: 4 years

1. Worked as resource person at DOS in Physics, University of Mysore -2 years
2. Worked as resource person at Department of Molecular Biology, Yuvaraja's College, University of Mysore- 2years

Year of Declaration of Probationary period: 2005

II) Research:

Principal Investigator: UGC sanctioned Major research Project

Entitled- Serological and Molecular Investigation of Deoxynivalenol from Humans and Cattle from Several Districts of Karnataka, India.

Total Amount Sanctioned-Rs. 11, 30,800.

III) Papers Published

1. **P.K.Maheshwar**; S.Ahmed Moharram; G.R Janardhana. Detection of fumonisin producing *Fusarium verticillioides* in paddy (*Oryza sativa* L.) using polymerase chain reaction (PCR). **Brazilian Journal of Microbiology. 2009:** 40:134-138. ISSN 1517-8382. Impact factor 0.4

2. **P.K.Maheshwar**; G.R Janardhana.

Natural Occurrence of Toxigenic *Fusarium proliferatum* on Paddy (*Oryza sativa* L.) in Karnataka, India. **Tropical Life Sciences Research. 2010:**21(1), 1–11. ISSN 1985-3718. Impact factor 0.2

3. Sreenivasa, M.Y., **Maheshwar, P.K.**, Sanjay, K.R., Diwakar, B.T., Naidu, K.A. and Janardhana, G.R. Effect of gamma irradiation on the incidence and fumonisins production by *Fusarium* species occurring on maize and sorghum grains **Journal of Agricultural Technology. 2009:** 5 (2): 325-335; ISSN 1686-9141.

4. Charith Raj Adkar-Purushothama; **P. K. Maheshwar**; Teruo Sano; G. R. Janardhana. A Sensitive and Reliable RT-Nested PCR Assay for Detection of Citrus tristeza Virus from Naturally Infected Citrus Plants. **Current Microbiology. 2011:**62:1455–1459: DOI 10.1007/s00284-011-9883-7. Impact factor 1.3

5. Charith Raj Adkar-Purushothama; **P. K. Maheshwar**; G. R. Janardhana. First report of '*Candidatus Liberibacter asiaticus*' associated with *Citrus decumana* (Beejapuraka) in South India. **Australasian Plant Disease Notes**. **2011**: 6(1), 26-27. DOI 10.1007/s13314-011-0009-7.

6. C.R. Adkar-Purushothama, M.Y. Sreenivasa, M.N. Nagendra Prasad, **P.K. Maheshwara** and G.R. Janardhana. First report of Citrus Tristeza virus associated with stem pitting of *Citrus decumana* in India. **Journal of Plant Pathology**. **2011**: 93: S4.63-89. Impact factor 0.7

7. Adpangaya Sahana Bhaskara, Bandalli N Jawad Ahmed, Charith R Adkar-Purushothama, Mysore N Nagendra Prasad, Marikunte Y Sreenivasa & Pavagada K Murthy **Maheshwar**. **2013**. Evaluation of efficiency of hemi-nested PCR assay for the detection of '*Candidatus Liberibacter*' infecting citrus. **Journal of Plant Diseases and Protection**. 120 (5/6), 189–193, 2013, ISSN 1861-3829. Impact factor 0.6

8. **PK Maheshwar** and Adkar Purushothama CR. **2013**. Essential Amendments to Control Resistance to Antibiotics among Bacteria. **Research and Reviews: Journal of Microbiology and Biotechnology**. 2(4). 1-4.|

9. A. B. Sahana & H. Nagaraja & P. K. Maheshwar & M. Y. Sreenivasa & M. N. Nagendra Prasad C. R. Adkar-Purushothama. **2014**. Affordable and reliable plant sap-mediated template preparation for the detection of various phytopathogens by PCR assay. **Phytoparasitica**. 42:519–527 DOI 0.1007/s12600-014-0389-2. Impact factor 0.6

10. Dr. Charith Raj Adkar-Purushothama, Mr. K Poornachandra Rao, Gurikar Chennappa, Dr. M Y Sreenivasa, Dr. M.N. Nagendra Prasad, **Dr. P. K. Maheshwar**, and Prof. Teruo Sano. **2015**. Molecular identification of Chrysanthemum chlorotic mottle viroid Infecting Chrysanthemum in Karnataka, India Plant Disease, 99 (12). pp. 1868 <http://dx.doi.org/10.1094/PDIS-04-15-0428-PDN>. Impact factor 3.0

11. **P. K. Maheshwar** and H. S. Jayanth. Microbiology as tool for research and development- an overview. Asian Journal of Microbiology, Biotechnology & Environmental Sciences. Vol 18, Issue 1, 2016; Page No.(157-165). ISSN 09723005. Impact factor 0.2

IV) Academic distinctions:

Reviewer for the Journal Bulletin of the World Health Organization published by World Health Organization (WHO)

- a. **Qualified CSIR- UGC- National Eligibility test** jointly organized by Council of Scientific and Industrial Research and UGC.
- b. **Worked as Resource person** in workshop on 'Techniques in Molecular Biology' at The Department of Studies in Botany, University of Mysore.
- c. **Worked as Judge** to conduct Science quiz competition at Central Food technological Research Institute (CFTRI) Mysore, (organized by Association of Microbiologists of India, Mysore Chapter).
- d. **Awarded with second prize** under best poster presentation category on "Biodiversity and bioprospectus" organized by Dept. of Botany, University of Mysore.
- e. **Delivered many lectures** in Microbiology as resource person, at Karnataka State Open University (KSOU).
- f. **Delivered lectures as resource person** for NET coaching center, EMMRC, University of Mysore, Mysore.

- g. **Developed E-Content** on Nutrition and Health Sciences under the auspices of UGC and University of Mysore.

V) Brief note on responsibilities shouldered for the University:

1. Worked as Chairman BOE in Microbiology (UG) Yuvaraja's college (autonomous), Mysore.
2. Participated as BOS member Microbiology (UG) at Yuvaraja's college (autonomous), Mysore.
3. Participated as BOE member Microbiology (UG) at Yuvaraja's college (autonomous).
4. Working as Member of Admission committee at Yuvaraja's college. University of Mysore, Mysore.
5. Member of placement committee at Yuvaraja's college. University of Mysore, Mysore.
6. Worked as University Cultural committee member.

VI) Research Papers/posters presented/attended in Seminars/Conference

Maheshwar P.K., M. Y. Sreenivasa, and G. R. Janardhana. 2009. Diversity of Fusarium species occurring on paddy produced in Karnataka, India. National conference on Plant Biodiversity and Bioprospecting, March 16-17, DOS in Botany, University of Mysore, Mysore, Karnataka.

M.Y. Sreenivasa, Regina Sharmila Dass, **Maheshwar P K** and G. R. Janardhana. 2009. Diversity of Fusarium species occurring on maize and sorghum grains produced in Karnataka, India. National conference on Plant Biodiversity and Bioprospecting, March 16-17, DOS in Botany, University of Mysore, Mysore, Karnataka.

Janardhana G. R., M.Y. Sreenivasa, **P.K. Maheshwar**. 2010. Diversity and fumonisin producing *Fusarium* species in cereals and their molecular detection. National Symposium on Perspective in the Plant health management. Indian Phytopathological Society, India and Department of Plant pathology, Anand Agricultural University, Gujarat, India. December 14 -16, 2010

Janardhana G. R., M.Y. Sreenivasa, **P.K. Maheshwar** and R. S. Dass. 2010. Molecular detection and differentiation of fumonisin producing *Fusarium verticillioides* and *Fusarium proliferatum* isolated from cereals and cereal based feeds. National Symposium on Molecular approaches for Management of fungal diseases of crop plants. Indian institute of Horticultural Research, Bangalore, India. December 27-30, 2010.

P. K. Maheshwar, M.Y. Sreenivasa and G.R. Janardhana. Dr. Norman E. Borlaug Commemoration National Conference on Plant Diversity and Plant Health at Department of Studies in Botany, University of Mysore, Mysore, 11-12 March, 2010 (Oral presentation).

VII) Seminars and Conferences attended

- a. National conference on Plant biodiversity and bioprospectus (conducted from March 16-17, 2009) held at Dept of Botany, University of Mysore. Mysore. (Awarded with second prize for poster presentation)
- b. Symposium on Microbial Energy held at Department of Studies in Microbiology and Sir M. Vishveshvaraiiah Chair, University of Mysore, Mysore, 15 September, 2010
- c. International Symposium on 'Challenges in drug discovery' held at Karnataka State Open University, Mysore from 16-17 March, 2011.
- d. UGC sponsored two days State level seminar on Methods in clinical diagnosis. From 03-04 February, 2012. JSS College for Women, Mysore.

- e. UGC sponsored Two days National conference on "Driving stem cell research towards therapy - a vision of the future" on March 20th & 21st, 2014. SBRR Mahajana First Grade College, MYSORE - Karnataka
- f. UGC sponsored two days National symposium Microbes and Human welfare, 23 and 24th February, 2015. JSS College Ooty road, Mysore.
- g. **Worked as Organizing committee member in 103rd Indian Science Congress**, January 03rd to 7th 2016. Jointly organized by The Indian Science Congress Association (ISCA) and University of Mysore.
