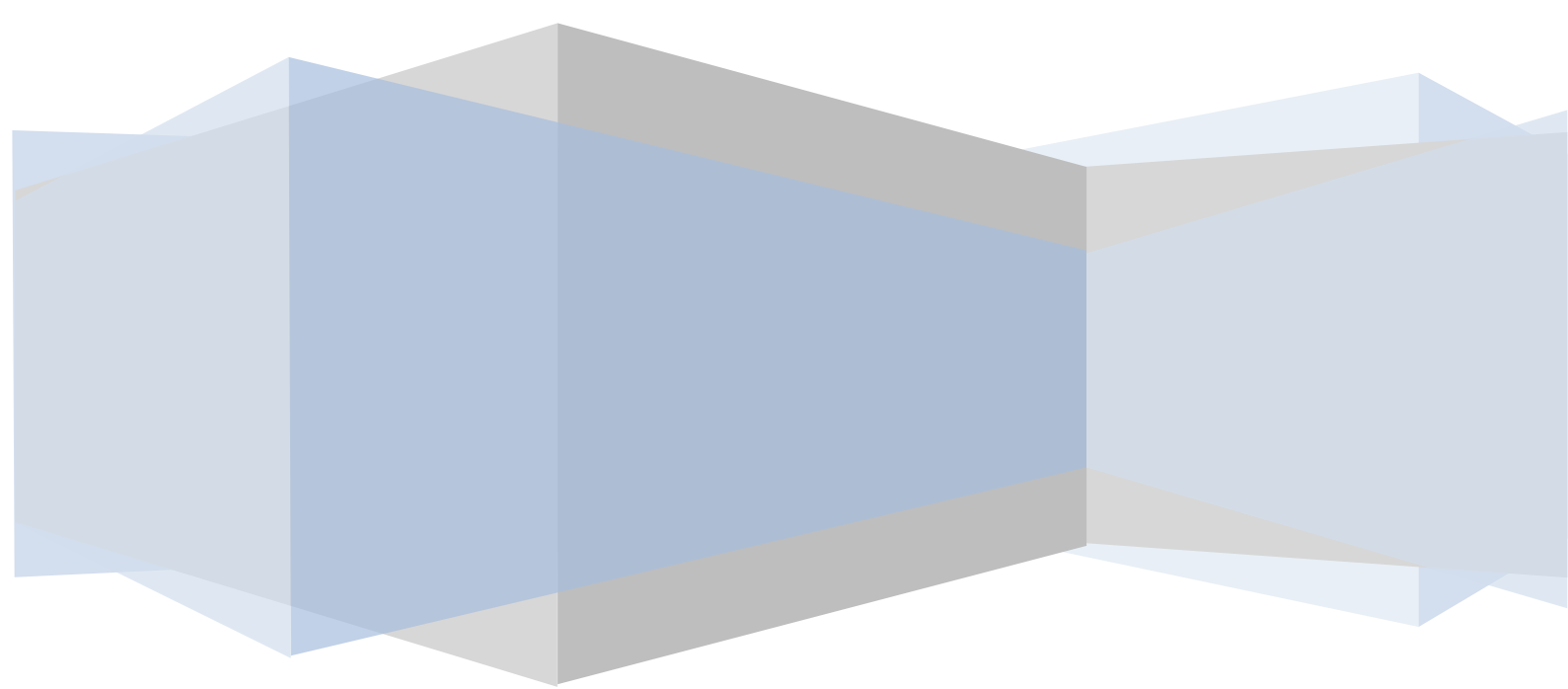


University of Mysore DOS IN BOTANY Manasagangothri Campus, MYSURU

*ESD*

Dr. H. M. Swaroop Kumar, M.Sc., UGC-CSIR-(NET& JRF), Ph. D.,  
**Research Associate, CSIR-CFTRI,**

Current: Guest faculty in DOS in Botany University of Mysore  
Mysore-06, INDIA





**Dr. H. M. Swaroop Kumar**  
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**Experience & Qualification**

**Year**

1. Guest Faculty, DOS in Botany, University of Mysore - From 2013 – Currently working  
Actively serving as above for M. Sc. Botany previous and final semester courses as full time teaching and training faculty at Manasagangotri Campus and active in academic and research activity of the Dept.

2. Coordinator, Science programme, KSOU-Mysore - 2013 – 2013  
Served as an active Coordinator and played a key role for Science Program to initiate M. Sc. Science Programmes in the Open distance learning mode (ODL) for the first time at Karnataka State Open University and successfully started 6 M. Sc. Prgams.

3. Convener, Science programme, KSOU-Mysore - 2012 – 2013  
Served as an active Convener for Science Program to initiate the preparation of course mode, scheme and all academic and administrative necessity required to begin M. Sc. Science Programmes in the Open distance mode (ODL) for the first time at Karnataka State Open University and successfully completed the task to started 6 M. Sc. Programmes.

4. Post-Doctoral Research (Research Associate-CSIR) - 2008 – 2011  
Awarded prestigious 'All India level CSIR-Research Associate ship' (1/7) under LIFE-12 category for the project proposed "**Elucidation of molecular mechanism of extracellular cellulases in the post-harvest pathogenesis of *Ceratocystis paradoxa* on pineapple and its application**" in **FIRST ATTEMPT**, and served the tenure at the *Central Food Technological Research Institute (CSIR - CFTRI), INDIA* for a period of three years. Research carried out at Department of Fruit and Vegetable Technology, CFTRI Mysore, as Full time Post-doctoral Fellow (RA-CSIR).

5. Ph. D. in Biotechnology 2008  
Awarded the Ph. D. degree from the University of Mysore for the thesis entitled "**Pathological and Biochemical Investigations on stem end rot disease in pineapple (*Ananas comosus* (L.) Merr.**)" with following national fellowships;

6. UGC-Senior Research Fellow - Dept, FVT CFTRI-Mysore 2003-2006 3 Years

7. UGC-Junior Research Fellow - Dept, FVT CFTRI-Mysore 2001-2003 2 Years

8. UGC-CSIR (NET & JRF) - Qualified in 'FIRST ATTEMPT' LIFE SCIENCES 2001

9. M.Sc. in BOTANY; Specialization subject: PLANT PATHOLOGY (**Distinction 71%**) 2000– 2001  
DOS in Botany, University of Mysore

10. B.Sc. in BOTANY, BIOCHEMISTRY AND MICROBIOLOGY (First Class 65%) 1996 - 1999  
Yuvaraja's College, University of Mysore

11. SSLC or 10th Standard (SSLC Board Karnataka) (Distinction 71%) 1992 - 1993  
Fatima High School, Kushalnagar-571234, Kodagu Dist. (Date of Birth: 05.06.1976)

## **12. Teaching experience**

More than Ten (10) Years of Post Graduate teaching experience at University level for M. Sc. Botany students. Learnt and participated to train students in CBCS -L.T.P. format of curriculum delivery, Internal Assessment activity and University level examination duty both theory and practical for evaluation for post graduate Botany courses.

Obtained experience and taught in the form of class room lectures, Tutorial activity and practical laboratory exercises to excel in the masters with success each academic year at the department.

Attended and rendered/assisted duties of all supplement and complement curriculum activity like students excursion and visit to International seed tech laboratories.

Chalk and Board, LCT- PPT and online teleconference mode (Zoom, Webex and Google meet) teaching is conducted with present curriculum with satisfactory demonstrable outcome.

Accepted and rendered responsibilities of preparation of class room activity in case of lectures, Tutorial subjects and complete practical exercises of almost botany curriculum subjects based on semester divide.

Held responsibilities of Technical expert in practical examination and any other university level entrance examination or state level examination duties are done.

## **Academic and Administrative Experience**

Selected for the position of Convener and Coordinator at University level and played a key role as Convener for science program and Coordinator for science program. Successful in coordinating efforts of preparation, validation and implementation of 5 post-graduate science subjects programme in open distance mode and till date the programs are successful in attracting students

## **13. Research Experience**

5+3 year wet lab life science research with fellowship awarded from nationally reputed awarding agency like UGC and CSIR. And learnt and trained for life science or biological science basic and applied research methodologies. With above earned experience and expertise I can effectively guide, prepare, train and execute students for their P.G and Ph. D. science project experiments in the field of Botany, Plant pathology, Plant biochemistry, Enzymology and part of Molecular biology fields.

## 14. Awards Won:

### POSTER PRESENTED IN CONFERENCE AND **WON PRIZES** (2)

#### 1) **International: Third Prize for best Poster**

Poster paper entitled "Changes in free sugar composition during ripening of Pineapple fruit" was presented in IFCON-2003 at CFTRI, Mysore, and 5-8th Dec. 2003. And awarded Third Prize.

#### 2) **National: First Prize for best Poster**

Poster paper "Effect of Ambient and Low Temperature Storage Conditions on Shelf life and Quality of Pineapple Fruits (*Ananas comosus*. Var. Queen) was presented in National symposium on Food & Nutritional Security..., held at Palampur, H.P. on Sept.18-19, 2003 & awarded First Prize.

## 15. Poster Paper Presented in Conferences

1. Poster paper entitled "Postharvest Disease Management in Pineapple" was presented in 44th AMI Conference at Dharwad, on 12th Nov. 2003
2. Poster paper entitled "Antibacterial effect of Punicalagin- a high molecular weight polyphenol from pomegranate fruit waste on food borne human pathogens," was presented in 44th annual conference of the association of microbiologists of India. University of Agricultural Sciences, Dharwad. November 12 - 14, 2003.

## 16. Publication (INTERNATIONAL/NATIONAL)

- 1) Changes in the biochemical and bioactive constituents of Indian hog plum (*Spondias mangifera* Willd.) fruit during ambient storage, *Journal of Horticultural Science & Biotechnology* (2011) 86 (3) 267-276
- 2) Paper entitled "Platelet aggregation inhibitory activity and radical scavenging activity of *Spondias mangifera* Willd." *South Asian Journal of Experimental Biology*; 1 (1): 25-30; 2011
- 3) Paper entitled "Accumulation of Bioactive Compounds during Growth and Development of Mango Ginger (*Curcuma amada* Roxb.) Rhizomes" *Journal of Agricultural Food Chemistry*. 2007, 55, 8105- 8111
- 4) Paper entitled "A Low Cost Commercial Technology for Pineapple handling and Transportation to Boost Rural Economy of Northeastern States" is published in *Journal of Rural Technology*. Vol. no. 1, Issue 3 April 2004.
- 5) Paper entitled "Effect of Ambient and Low Temperature Storage Conditions on Shelf life and Quality of Pineapple Fruits (*Ananas comosus*. Var. Queen) was published in Conference proceedings of "National symposium on Food & Nutritional Security" held in Palampur, H.P. on Sept.18-19, 2003

## **17. Publication under progress & preparation**

1. Enumeration of cell wall degrading enzymes of *Ceratocystis paradoxa* during Black rot of Pineapple
2. Waste utilization in pineapple fruit – As a potential source of enzyme and bioactive compounds
3. Inhibition of pathogenic cell wall degrading enzymes and its role in pineapple stem end rot disease development
4. Estimation of *Ceratocystis paradoxa* biomass at different stages of stem end rot disease development

## **18. INVITED TALK - Delivered**

1. UGC-CSIR NET & JRF training Programme each year in the chosen subject area of life science
2. IAS and KAS training program lectures
3. Interesting science topics
4. Contact program lectures for both theory and practical life science subjects

## **19. LECTURES DELIVERED (Life science subjects) Contact Program Lectures**

Contact programme M. Sc. & Tech Environmental science 2013-14 – 8 Units (Hour) for each academic cycle contact programs. Each academic year delivering contact program lectures on allotted slots under these life science subjects.

M. Sc. in Microbiology 3 Block (4 Chapters for each Block)

M. Sc. in Biotechnology 3 Block (4 Chapters for each Block)

M. Sc. in Biochemistry 3 Block (4 Chapters for each Block)

M. Sc. in Environmental science & Technology 2 Block

## **20. SELF LEARNING MATERIALS IN SCIENCE SUBJECTS PREPARED & Published**

Prepared self learning material for following life science subjects. Having eight year of experience in preparation, correction, delivery and up-gradation of self learning materials.

M. Sc. in Microbiology 3 Block (4 Chapters for each Block)

M. Sc. in Biotechnology 3 Block (4 Chapters for each Block)

M. Sc. in Biochemistry 3 Block (4 Chapters for each Block)

M. Sc. in Environmental science & Technology 2 Block

## 21. REFERENCES

**Dr. S. M. Aradhya (Rtd.)**

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Department of Fruit and Vegetable Technology  
Central Food Technological Research Institute Mysore-20  
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**Prof M. S. Sharada Suryanarayan**

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## 22. DECLARATION:

**The above furnished information is as per the original documents support and to the best of my knowledge**

Sd/-  
**(Dr. H. M. Swaroop Kumar)**

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