

FACULTY PROFILE



1. Name: DR. S. UMESHA

2. Designation: Associate Professor

3. Email id: su@appbot.uni-mysore.ac.in; pmumesh@gmail.com

4. Phone No.: + 91 821 2419884

5. Qualification: *MSc, MPhil, PhD, Post Doc (USA), FISBT.*

6. Area of Specialization: Plant Biotechnology, Molecular Plant Pathology, Host-Pathogen Interactions, Molecular Diagnostics of Plant Pathogens, Seed Bacteriology.

7. Awards/Recognitions:

- Awarded *Jagajyothi Sri Basaveshwara Kayakashree* Award 2010 on 29th July 2010, from Vishwa Veerashaiva Samskruthi Prathisthana, Bangalore, India.
- Fellow Member – International Society of Biotechnology, India.
- Elected, Plant Sciences – Sectional Committee Member, for south zone of Indian Science Congress Association – 2009-10, Kolkata, India.
- Awarded Overseas Fellowship for the year 2005-06 from Department of Biotechnology, Government of India, New Delhi and carried out Post Doctoral Research at Virginia Tech University, Virginia, USA, for the period from March 2007 to March 2008.
- Elected, Zonal Councilor, for south zone of Indian Phytopathological Society- 2006-07, New Delhi, India.

- Awarded “DST-SERC Fast Track Research Proposal entitled, “Development of Sensitive Seed health Testing methods for the detection of *Clavibacter michiganensis* ssp. *Michiganensis* and management of Bacterial Canker Disease in Tomato” under young Scientists’ scheme, Department of Science and Technology, Govt. of India, New Delhi.
- Awarded “Professor K.S. Jagadishchandra Young Scientist award for Plant Sciences for the Calendar year 2000-2001”, University of Mysore, Mysore 570 006, India.
- Best research paper presentation award at ISMPP Annual Conference at University of Agricultural Sciences, Dharwad, Karnataka, during 8-9 Oct 2009.
- Best research paper presentation award at National Symposium of Seed Science and Technology at University of Mysore during 5-9 Aug 1999.

8. Number of projects:

i) Completed

Sl. No.	Title of the project	Funding Agency	Amount (in Rupees)	Year (From-To)
1.	Development of Sensitive Seed health Testing methods for the detection of <i>Clavibacter michiganensis</i> ssp. <i>Michiganensis</i> and management of Bacterial Canker Disease in Tomato (PI)	DST-SERC; Govt. of India, New Delhi	5,20,800-00	2002-2006
2.	Investigations on Bacterial Spot of Tomato and its Management (PI)	UGC; Govt. of India, New Delhi	7,74,600-00	2005-2008
3.	Investigations on Epidemiology and Management of Bacterial Blight of Cotton caused by <i>Xanthomonas axonopodis</i> pv. <i>malvacearum</i> (Co-PI)	Dept. of Agric. Govt. of Karnataka, Bangalore	12,00,000-00	2002-2006

ii) On-going

Sl. No.	Title of the project	Funding Agency	Amount (in Rupees)	Date of Commencement	Expected date of completion
1.	Development of PCR-SSCP technique for the specific diagnosis of bacterial spot and wilt pathogens in tomato (PI)	UGC; Govt. of India, New Delhi	11,28,300-00	May 2009	April 2012

9. Number of Ph.D. candidates successfully completed: 02

10. Number of Ph.D. candidates currently working: 08

11. Number of M.Phil. candidates successfully completed: 20

12. Number of M.Phil. candidates currently working: 02

13. Publications: (Last 5 years only- since 2005)

i) Books (Authors, Title, Publisher, Year of Publication, Pages): NIL

ii) Articles in Journals (Authors, Title, Year, Journal, Volume, Pages)

1. **Umesha, S.** and Chandan, S. 2012. A rapid detection technique for *Ralstonia solanacearum*- bacterial wilt pathogen of tomato by direct colony PCR. *Current Biotechnology* (Submitted).
2. Chandrashekar, S., **Umesha, S.** and Chandan, S. 2012. Molecular Detection of Plant Pathogenic Bacteria using PCR-SSCP. *Acta Biochemica et Biophysica Sinica* 44(3): 217-223.
3. Govindappa, M., **Umesha, S.** and Lokesh, S. 2011. *Adathoda vesica* leaf extract induces resistance in rice against bacterial leaf blight disease (*Xanthomonas oryzae* pv. *oryzae*). *International Journal of Plant Physiology and Biochemistry* 3(1):6-14.
4. **Umesha, S.,** Chandrashekar, S. and Chandan S. 2011. Applications of Polymerase chain reaction-single strand conformational polymorphism to identify disease causing microorganisms. **Review article.** *Biotechnology – An Indian Journal* 5 (2): 100-107.
5. Shivalingaiah and **Umesha, S.** 2011. Characterization of *Xanthomonas oryzae* pv *oryzae* from major rice growing regions of Karnataka. *The Bioscan* 6(1):5-10.
6. **Umesha, S.,** and Kavitha, R. 2011. Induction of Cinnamyl Alcohol dehydrogenase in bacterial spot disease resistance of tomato. *Journal of Bacteriology Research* 3(2):16-27. <http://www.academicjournals.org/jbr/PDF/pdf2011/February/Umesha%20and%20%20Kavitha%20pdf.pdf>.
7. Vanitha, S.C. and **Umesha, S.** 2011. *Pseudomonas fluorescens* mediated systemic resistance in tomato is driven through an elevated synthesis of defense enzymes. *Biologia Plantarum* 55 (2):317-322.
8. Chandan, S. and **Umesha, S.** 2011. Development of PCR assay for targeting partial LipL21 and LipL41 gene of pathogenic leptospires. *Nepal Journal of Biotechnology* 1:22-30. <http://www.nepjol.info/index.php/NJB/article/view/4170/3554>
9. Chandan, S., **Umesha, S.,** Haraprasad, N. and Chandrashekar, S. 2011. Variability of protein content and its role in kidney stone formation. *Biotechnology – An Indian Journal* 5 (1):56-59. http://tsijournals.com/btaj/Vol05_01/ABS12.htm
10. Chandrasekhar, S., **Umesha, S.,** Chethan Kumar, M. and Chandan, S. 2010. Inhibition of Pro-oxidant induced DNA Damage in isolated human peripheral lymphocytes by methanolic extract of *Guduchi* (*Tinospora cordifolia*) leaves. *International Journal of Pharma Sciences and Research* 1(10): 454-459. <http://www.ijpsr.info/docs/IJPSR10-01-10-07.pdf>
11. **Umesha, S.** and Hariprasad, P. 2010. Plant health Improvement by *Bacillus subtilis* strain GBO3 in tomato against bacterial spot disease. *Indian Phytopathology* 63 (2) 127-130.

12. **Umesha, S.**, Chythra, R., Kavitha, R., Niranjana, S. R., Prakash, H.S., Mortensen, C.N. and. 2010. Molecular Detection of *Xanthomonas citri* ssp. *malvacearum* in cotton seeds. *Research Journal of Biotechnology* 5 (1): 20-26. [http://www. Biotekjournal.net/intro.htm](http://www.Biotekjournal.net/intro.htm)
13. Vanitha, S.C., Niranjana, S.R., Mortensen, C.N. and **Umesha, S.** 2009. Bacterial wilt of tomato in Karnataka and its Biological control by *Pseudomonas fluorescens*. *BioControl* 54:685-695. <http://www.springerlink.com/content/b6m10w8111253pp4/fulltext.pdf>
14. Vanitha, S.C., Niranjana, S.R. and **Umesha, S.** 2009. Role of Phenylalanine Ammonia Lyase and Polyphenol Oxidase in host resistance to Bacterial wilt of tomato. *Journal of Phytopathology* 157: 552-557. <http://onlinelibrary.wiley.com/doi/10.1111/j.1439-0434.2008.01526.x/pdf>
15. Choodamani, M.S., Hariprasad, P. Sateesh, M.K. and **Umesha, S** 2009. Involvement of Catalase in Bacterial blight disease development of Rice incited by *Xanthomonas oryzae* pv. *oryzae*. *International Journal of Pest Management* 55(2): 121-127. <http://www.tandfonline.com/doi/pdf/10.1080/09670870802601076>
16. Vinaya, K., Kavitha, R., Ananda Kumar, C.S., Benaka Prasad, S.B., Chandrappa, S., Deepak, S.A., Nanjunda Swamy, S., **Umesha, S.** and Rangappa, K.S. 2009. Synthesis and Antimicrobial activity of 1-benzhydryl-sulphonyl-4-(3-(piperidin-4-yl) propyl) piperidine derivatives against pathogens of *Lycopersicon esculentum*: A structure activity evaluation study. *Archives of Pharmacal Research* 32 (1): 33-41. <http://www.springerlink.com/content/6068703t42211625/fulltext.pdf>
17. **Umesha, S.**, P. Hariprasad, S.A. Deepak, S. T. Girish and P. Syltie. 2009. Vitazyme Treatment improves seed quality of Paddy, Tomato and Cotton. *Asian Journal of Microbiology, Biotechnology and Environmental Sciences* 11(1):221-226.
18. **Umesha, S.**, Kong, P. and Hong, C.X. 2008. Bacterial Blight of Iris caused by *Pseudomonas syringae* in Virginia. *Plant Pathology* 57:1176. <http://onlinelibrary.wiley.com/doi/10.1111/j.1365-3059.2008.01916.x/pdf>
19. Vanitha, S.C. and **Umesha, S.** 2008. Variations in defense-related enzyme activities in tomato during the infection with bacterial wilt pathogen. *Journal of Plant Interactions* 3 (4): 245-253. http://www.tandfonline.com/doi/abs/10.1080/174291408_02032863?journalCode=tjpi20
20. Santhoshkannada, A.N., **Umesha, S.**, Hariprasad, P. and Niranjana, S.R. 2008. Bacterial Blight Pathogen Concentration in Cotton Seeds; Its Role on Seed Quality Parameters of Fuzzy and Acid Delinted Seeds. *Archives of Phytopathology and Plant Protection* 41(8): 597-607. <http://www.tandfonline.com/doi/pdf/10.1080/03235400600914330>
21. **Umesha, S.**, Kong, P. and Hong, C.X. 2008. Bacterial Blight of Iris caused by *Pseudomonas syringae* in Virginia. *New Disease Reports*. <http://www.bspp.org.uk/ndr/july2008/2008-17.asp>.
22. **Umesha, S.**, Richardson, P.A., Kong, P. and Hong, C.X. 2008. A novel indicator plant to test the hypersensitivity of phytopathogenic bacteria. *Journal of Microbiological Methods*. 72: 95-97.

23. Kavitha, R. and **Umesha, S.** 2008. Regulation of Defense-Related Enzymes Associated with Bacterial Spot Resistance in Tomato. *Phytoparasitica* 36 (2): 144-159. <http://www.springerlink.com/content/r5751j20251v3299/fulltext.pdf>
24. Girisha, S.T., Muniyamma, M. and **Umesha, S.** 2007. Impact of Sewage water on Protein, Carbohydrate and Amino acid contents of the fodder grass *Brachiaria mutica*. *Journal of Ecobiology* 21 (3): 241-246.
25. Hariprasad, P. and **Umesha, S.** 2007. Induction of Systemic Resistance in Field Grown Tomato by PGPR against *Xanthomonas vesicatoria*- Incitant of Bacterial Spot. *Journal of Mycology and Plant Pathology* 37(3): 460-463.
26. Kavitha, R. and **Umesha, S.** 2007. Prevalence of Bacterial Spot of tomato in Karnataka and effect of biological seed treatment on the disease incidence. *Crop Protection* 26: 991-997. <http://www.sciencedirect.com/science/article/pii/S0261219406002845>
27. **Umesha, S.** 2006. The Occurrence of Bacterial Canker in Tomato Fields of Karnataka and the Effect of Biological Seed Treatment on Disease Incidence. *Crop Protection* 25 (4): 375-381. <http://www.sciencedirect.com/science/article/pii/S0261219405001894>
28. **Umesha, S.** 2006. Phenylalanine Ammonia Lyase Activity in Tomato Seedlings and its relation to Bacterial Canker Disease Resistance. *Phytoparasitica* 34 (1): 68-71. <http://www.springerlink.com/content/a858517x26m7t236/fulltext.pdf>
29. Girisha, S.T., Muniyamma, M. and **Umesha, S.** 2006. Heavy Metals impact on *Brachiaria mutica*, a fodder grass during sewage water irrigation. *Journal of Industrial Pollution Control* 21 (2): 285-290.
30. Girisha, S.T., Muniyamma, M. and **Umesha, S.** 2006. Effect of sewage water on soil chemical composition. *Journal of Ecotoxicology and Environmental Monitoring* 16 (3): 279-284.
31. Nayeemulla Shariff, M. S. Sudarshana, **S. Umesha** and P. Hariprasad. 2006. Antimicrobial Activity of *Rauvolfia tetraphylla* (L.) and *Physalis minima* (L.) - Leaf and Callus Extracts. *African Journal of Biotechnology* 5 (10): 946-950. <http://www.academicjournals.org/AJB/PDF/pdf2006/16May/Nayeemulla%20et%20al.pdf>
32. Sudisha, J., Niranjana, S.R., **Umesha, S.**, Prakash, H.S. and Shetty, H.S. 2006. Transmission of seed-borne infection of Muskmelon by *Didymella bryoniae* and effect of seed treatments on disease incidence and fruit yield. *Biological Control* 37 (2): 196- 205. <http://www.sciencedirect.com/science/article/pii/S1049964405003282>
33. **Umesha, S.** and Girish, N. 2005. Induction of resistance against Bacterial Canker Disease of Tomato by Salicylic Acid and β -amino butyric acid. *Journal of Mycology and Plant Pathology* 35 (2): 264-267.
34. **Umesha, S.**, Kavitha, R. and Shetty, H.S. 2005. Transmission of Seed-borne infection of Chilli by *Burkholderia solanacearum* and effect of biological seed treatment on disease incidence. *Archives of Phytopathology and Plant Protection* 38 (4): 281-293.

35. Shaukath, A.K., Shashikanth, S., **Umesha, S.** and Kavitha, R. 2005. Synthesis and Antimicrobial study of novel heterocyclic compounds from hydroxybenzophenones. *European Journal of Medicinal Chemistry* 40 (11): 1156-1162.
<http://www.sciencedirect.com/science/article/pii/S0223523405001340>
36. Girish, N. and **Umesha, S.** 2005. Effect of Plant Growth Promoting Rhizobacteria on Bacterial Canker of Tomato. *Archives of Phytopathology and Plant Protection* 38 (3): 235-243. <http://www.tandfonline.com/doi/pdf/10.1080/03235400500094704>
37. Kavitha, R., **Umesha, S.** and Shetty, H.S. 2005. Dose dependent impact of Dominant seed-borne fungi on seed germination and seedling vigor of cotton seeds. *Seed Research* 33 (2): 187-194.
38. Girisha, S.T. and **Umesha, S.** 2005. Mineral Nutrient content variations due to urban sewage water irrigation in *Brachiaria mutica*. *Ecology, Environment and Conservation* 11 (3-4): 479-482.
39. Girisha, S.T. and **Umesha, S.** 2005. Phyllosphere studies in Sewage water irrigated fodder grass *Brachiaria mutica*. *Indian Journal of Environment and Ecoplanning* 10 (3): 625-630.
40. Girisha, S.T., Muniyamma, M. and **Umesha, S.** 2004. Anatomical Changes in Fodder grass due to Domestic Sewage Water Irrigation. *Indian Journal of Environmental Protection* 24 (10): 727-730.
41. Gurukar, S., Niranjana, S.R., **Umesha, S.**, Kumar, P.L. and Shetty, H.S. 2003. Effect of Seed Pelleting and Soil Amendment of Biocontrol agents on the incidence of Charcoal rot and yield of Soybean. *Asian Journal of Microbiology, Biotechnology and Environmental Science* 5 (1): 123-130.
42. **Umesha, S.**, Shylaja, M.D. and Shetty, H.S. 2000. Lytic activity in pearl millet: Its role in downy mildew disease resistance. *Plant Science* 157: 33-41.
<http://www.sciencedirect.com/science/article/pii/S0168945200002648>
43. **Umesha, S.**, Nagarathna, K.C., Shetty, S.A., and Shetty, H.S. 1999. Selection of downy mildew resistant somaclones, from a susceptible B line of pearl millet. *Plant Cell, Tissue and Organ Culture* 58: 159-162.
<http://www.springerlink.com/content/lk476h124747768m/fulltext.pdf>
44. **Umesha, S.**, Shylaja, M.D., Shetty, S.A., Krishnappa M. and Shetty, H.S. 1998. Biocontrol of downy mildew disease of pearl millet using *Pseudomonas fluorescens*. *Crop Protection* 17: 387-392. <http://www.sciencedirect.com/science/article/pii/S0261219498000143>

DNA Sequence Deposit

1. Vanitha, S.C. and **Umesha, S.** 2009. *Ralstonia solanacearum* *lpxC* upstream region genomic sequence. Deposited to **NCBI gene bank** (Accession No. GQ379236).

Papers published in edited proceedings:

1. **Umesha, S., P. A. Richardson, P. Kong, C.X. Hong.** 2007. Characterization of Phytopathogenic bacteria from Irrigation reservoirs at two commercial nurseries in eastern Virginia. In: Proceedings of VA/WV water research symposium held during Nov 26-30, 2007, at Virginia Tech, Blacksburg, **Virginia, USA.**
2. **Umesha, S.** 2005. Biocontrol of Bacterial Canker of disease of Tomato using *Pseudomonas fluorescens*. In the proceedings of “1st International Symposium of Biological Control of Bacterial Plant Diseases” held during October 23-26, 2005 at “Technical University of Darmstadt and Federal Biological Research Center for Agriculture and Forestry (BBA), Institute for Biological Control, Heinrichstr. 243, 64287, **Darmstadt, Germany**”.
3. **Umesha, S., P. Hariprasad, S.A. Deepak, S. T. Girish and P. Syltie.** 2006. Cotton – a seed germination and seedling study. Vitazyme 2006 Field Trial Results Booklet: **Vital Earth Resources, Inc., Gladewater, TX-75647, USA,** p19-20.
4. **Umesha, S., P. Hariprasad, S.A. Deepak, S. T. Girish and P. Syltie.** 2006. Rice – a seed germination and seedling study. Vitazyme 2006 Field Trial Results Booklet: **Vital Earth Resources, Inc., Gladewater, TX-75647, USA,** p30-31.
5. **Umesha, S., P. Hariprasad, S.A. Deepak, S. T. Girish and P. Syltie.** 2006. Tomatoes – a seed germination and seedling study. Vitazyme 2006 Field Trial Results Booklet: **Vital Earth Resources, Inc., Gladewater, TX-75647, USA,** pp40.

Book Chapters Contributed:

-
1. Girisha, S.T. and **Umesha, S.** 2006. Phyllosphere Studies in Sewage Water Irrigated Fodder Grass *Brachiaria mutica*. In: **Green Technologies for Sustainable Agriculture** (Arvind Kumar and Pushpalatha Dubey, eds), Daya Publishing House, New Delhi, India (**ISBN: 8170354196**) p 41-46.
 2. Girisha, S.T. and **Umesha, S.** 2006. Variation in the Morphological Characters of *Brachiaria mutica* Due to urban Sewage Water Irrigation. In: **Concepts of tropical Agriculture** (Arvind Kumar, ed), Daya Publishing House, New Delhi, India (**ISBN: 8170354471**) p 288-296.

Extension activities; popular articles published in periodicals:

-
1. **Umesha, S.** and Shetty, H.S. 1997. *Sasyarogagala Jaivika Niyanthrana - Raitharigonda Varadhana* (in Kannada), **Prajavani - Krishiranga**, Jan 1, 1997.
 2. Shetty, H.S., Shylaja, M.D. and **Umesha, S.** 1998. Effective management of disease in Bajra. **The Hindu**, Dec 8, 1997.
 3. Shetty, H.S., Shylaja, M.D. and **Umesha, S.** 1998. Pearl millet and mildew disease, **Indian Express - Science Express**, June 23, 1998.
 4. **Umesha, S.** and Shetty, H.S. 1998. *Sasyarogasamrakshaneyelli Aanvayika Vijnanada Koduge* (in Kannada), **Vignana Karnataka** 19 (3-4): 41-47.
 5. **Umesha, S.** and Shetty, H.S. 2000. *Beejothpadaneyalli Swavalambhane* (in Kannada), **Vijaya Karnataka - Krishi Vijaya**, 27, March 2000.

A no. of Lectures were delivered to farmers in the area of plant disease management and Seed health testing methods.

v) Monographs/Reports (if any) : NIL

14. Conference/Seminar organized:

Sl. No.	Status as organizer	Title of the conference/seminar	Date
1.	Organizing Committee member	1999 – National Symposium on Seed Science and Technology	August 5-7, 1999
2.	Organizing Committee member	2001-National Seminar on Seed Science and Technology in the New Millennium:	August 5-7, 2001
3.	Organizing Committee member	2004 – National Seminar On Emerging Trends In Applied Botany, Seed Science And Technology	November 4-6, 2004
4.	Organizing Committee member	International Conference on Seed Health in Agricultural Development	June 9-12, 2008
5.	Organizing Committee member	30 th Annual Conference and Symposium on Advances in Biotechnology for Plant protection	November 17-19, 2008
6.	Organizing Committee member	Dr. Norman E. Borlaug Commemoration National Conference on Plant Diversity and Plant Health.	March 11-12, 2010

15. Conference/Seminar chaired/Co-chaired:

Sl. No.	Title of the seminar	Organized by	Date
1.	Impact of Pollution on Biodiversity; Role of Biological Sciences	Veerashaiva College, Sri Krishnadevaraya University, Bellary, Karnataka, India.	17-18 Feb 2012
2.	5 th International Bacterial Wilt Symposium,	Oils Crops Research Institute of Chinese Academy Agricultural Sciences, Wuhan, China,	20-24 June 2011
3.	ISMPP Annual Conference	University of Agricultural Sciences, Dharwad	8-9 Oct 2009
4.	First International Biotechnology Conference	Sikkim Manipal Institute of Technology, Majitar, Gangtok	28-30 Dec 2008
5.	30 th Annual conference and Symposium on Advances in Biotechnology for plant protection	Department of Applied Botany and Biotechnology, University of Mysore, Mysore, India.	17-19 Nov 2008

16. Conference/Seminar participated:

Sl. No.	Title	Organized by	Year/ Month	Only Participated	Participated & presented
---------	-------	--------------	-------------	-------------------	--------------------------

					the paper
1.	Impact of Pollution on Biodiversity; Role of Biological Sciences. (Invited Talk)	Veerashaiva College, Sri Krishnadevaraya University, Bellary, Karnataka, India.	17-18 Feb 2012		
2.	5 th International Bacterial Wilt Symposium,	Oils Crops Research Institute of Chinese Academy Agricultural Sciences, Wuhan, China,	20-24 June 2011		
3.	XXXII All India Botanical Conference and International Symposium on, "Diversity of Plant and Microbes: Present Scenario"	Kuvempu University, Shimoga, Karnataka, India.	2009/ Dec	✓	-
4.	ISMPP annual conference	, Dharwad, India.	2009 /Oct	-	✓
5.	96 th Session of Indian Science Congress	North-Eastern Hill University, Shillong, Meghalaya, India.	2009/ Jan	✓	-
6.	First International Biotechnology Conference	Sikkim Manipal Institute of Tech., Majitar, Gangtok, Sikkim, India.	2008/ Dec	-	✓
7.	30 th Annual conference and Symposium on Advances in Biotechnology for plant protection	Dept. of Applied Botany & Biotech., Univ. of Mysore, Mysore, India.	2008 /Nov	-	✓
8.	2 nd Symposium on Seed Health in Agricultural Development	Dept. of Applied Botany & Biotech., Univ. of Mysore, Mysore, India.	2008/ Jun	-	✓
9.	National Symposium on "Diversity and Functionality of Plant and Microbes"	Univ. of North Bengal, Siliguri 734 013, WB, India.	2008/ Jan	-	✓
10.	NCBI workshop on NCBI 4 Pack: Web based analysis on; structural analysis Quickstart, BLAST Quickstart, Identification of Disease genes, Correlation of Disease genes to Phenotypes	NCBI, Washington DC, USA	2007 /Nov	✓	-
11.	VA/WV water research Symposium	Virginia Tech and Skelton Conference	2007/ Nov	-	✓

		Center, Virginia Tech, Blacksburg, Virginia, USA.			
12.	National Seminar on “Molecular Plant Pathology and Biotechnology for Sustainable crop Production”	Dept. of Applied Botany & Biotech., Univ. of Mysore, Mysore, India.	2007 /Nov	-	✓
13.	National Symposium on “Biodiversity and Biotechnology: Research and Development Needs in Edible Mushrooms and Crop Disease Management”	Dept. of Plant Pathology, G. B. Pant Univ. of Agri. & Tech., Pantnagar-263 145,Utnchl. India.	2006/ Nov	-	✓
14.	National Symposium on Biotechnological Methods for Crop Disease Management	Dept. of Plant Pathology, Annamalai Univ., Annamalai Nagar 608 002, TN, India	2006/ Mar	-	✓
15.	National Symposium on Emerging Plant Diseases, their diagnosis and management	Dept. of Botany, Univ. of North Bengal, Siliguri 734 013, WB, India.	2006/ Feb	-	✓
16.	XII National Seed Seminar on Prosperity through Quality Seed	Acharya NG Ranga Agri. Univ., Hyderabad 500030, AP,India.	2006/ Feb	-	✓
17.	Asian Conference on “Emerging Trends in Plant-Microbe Interactions”	CAS in Botany, Univ. of Madras, Chennai, India.	2005/ Dec	-	✓
18.	Global (International) conference II Plant Health – Global Wealth	Rajasthan College of Agriculture, RAU, Udaipur-313 001, India,	2005/ Nov	-	✓
19.	1 st International Symposium of Biological Control of Bacterial Plant Diseases	Tech. Univ. of Darmstadt & Federal Biological Research Center for Agri. & Forestry, Institute for Biol. Control, Heinrichstr. 243, Germany	2005/ Oct	-	✓
20.	Centenary Symposium on Plant Pathology	Central Potato Research Station, Shimla-171 001, H.P., India.	2005/ Apr	-	✓

17. Chairman/Member of Authority/Committee etc:

Sl. No.	Chairman/Member /Secretary	Committee/Authority	Year (From-To)
1.	Chairman	BOE in Applied Botany, University of Mysore, Mysore	2009-10
2.	Chairman	BOE; Board of Question Paper setter, BSc-Forestry, Kannur University, Kannur, Kerala	2009-10
3.	Member	BOE; Biotechnology, Kuvempu University, Sahyadri College, Shimoga, Karnataka	2009-10
4.	Member	BOE; Biotechnology, University of Mysore, Mysore	2010-11
5.	Member	BOE; Applied Botany, University of Mysore, Mysore	2010-11
6.	Member	BOE; Biotechnology, KSOU, Mysore	2010-11
7.	Chairman	BOE; Biotechnology, University of Mysore, Mysore	2010-11
8.	Member	BOE; Biotechnology, Kuvempu University, Sahyadri College, Shimoga, Karnataka	2011-12
9.	Chairman	BOE; Botany, Davanagere University, Davanagere,	2012-13
10.	Member	BOS; Applied Botany (PG), Univ of Mysore, Mysore	2011-13
11.	Member	BOS; Biotechnology (UG), Univ of Mysore, Mysore	2011-13
12.	Member	BOS; Microbiology (UG), Bangalore Univ. Bengaluru.	2011-13

18. Membership to professional Organization/Associations:

Sl. No.	Name of the Association/Organizations	Life member/Ordinary member
1.	International Society of Biotechnology, India.	Fellow Member
2.	Indian Science Congress Association, Kolkata.	Life Member
3.	Indian Society of Mycology and Plant Pathology, Udaipur.	Life Member
4.	Indian Phytopathological Society, New Delhi.	Life Member
5.	Indian Society of Seed technologists, New Delhi	Life Member
6.	Society of Biotechnologists, Mysore	Life Member

19. Any other Information:

Popular articles published in periodicals:

1. **Umesha, S.** and Shetty, H.S. 1997. *Sasyarogagala Jaivika Niyanthrana - Raitharigonda Varadhana* (in Kannada), **Prajavani - Krishiranga**, Jan 1, 1997.
2. Shetty, H.S., Shylaja, M.D. and **Umesha, S.** 1998. Effective management of disease in Bajra. **The Hindu**, Dec 8, 1997.
3. Shetty, H.S., Shylaja, M.D. and **Umesha, S.** 1998. Pearl millet and mildew disease, **Indian Express - Science Express**, June 23, 1998.
4. **Umesha, S.** and Shetty, H.S. 1998. *Sasyarogasamrakshaneyelli Aanvayika Vijnanada Koduge* (in Kannada), **Vignana Karnataka** 19 (3-4): 41-47.
6. **Umesha, S.** and Shetty, H.S. 2000. *Beejothpadaneyalli Swavalambhane* (in Kannada), **Vijaya Karnataka - Krishi Vijaya**, 27, March 2000.

Recognized Guide to Supervise Ph.D. in **Applied Botany, Biotechnology** and **Microbiology** subjects, of University of Mysore.

(SIGNATURE)