
BIODATA

Dr. S. MAHADEVAMURTHY M.Sc., M.Phil., Ph.D.

Associate Professor of Microbiology
Yuvaraja's College, University of Mysore
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Present:

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Academic Qualifications:

DEGREE	INSTITUTION	YEAR	CLASS OBTAINED
M.Sc. in BOTANY	Department of Studies in Botany Manasagangotri, University of Mysore Mysuru	1987	FIRST CLASS
M.Phil. in SEED TECHNOLOGY	Department of Studies in Applied Botany, Manasagangotri, University of Mysore, Mysuru	1988	FIRST CLASS
Ph.D. in APPLIED BOTANY	Department of Studies in Applied Botany, Manasagangotri, University of Mysore, Mysuru	1988-93	1993 Awarded
Ph.D. Thesis Title: Management of Ergot Disease of Pearl Millet using Antagonists.			
Research Supervisor: Prof. H.S. Prakash			

ACADEMIC EXPERIENCE:

1	TEACHING & RESEARCH EXPERIENCE	27 YEARS (06.09.1993 to till date)
2	READER IN MICROBIOLOGY	3.5 Months (Mangalore University) (2004)
3	Taught for 5-Year Integrated M.Sc. in Molecular Biology	6 Years (2005-11)
4	Ph.D. Candidates Successfully Completed	9
5	Currently Working Ph.D. Candidates	3
6	No. of M.Phil. Candidates Guided	11
7	Research papers published	54 (Details Enclosed)
8	PATENTS: Application No. 201641011886 A , Dated: 28-04-2017	1. Title: A System for Stored Water Quality Monitoring, Stored Water Purification and Stored Water Quality Data Communication
9	Newsletters	6 (Attached)
10	Technical Bulletin	1 - “Ergot Disease of Pearl Millet” Sponsored by Danish Government of Seed Pathology for Developing Countries, Copenhagen, Denmark in Association with DOS in Applied Botany, University of Mysore
11	Books	1. Lakshmidēvi, N. and <u>Mahadeva Murthy, S.</u> 2007. Microbiology and Biotechnology Tutor for CET/UGC-CSIR, Aishwarya Publications, Mysore 212 p. 2. A Book on “Samanatheya Kanasugara – Baba Saheb Dr. B.R. Ambedkar” Published by Prasaranga, UOM on April 2018 71p.
11	Book Chapters	3
12	Kannada Articles	2
13	Workshops Organized	8
14	Symposia/Seminars/Workshops Participated, Presented Papers and Organized	71
15	Papers Abstracted in Symposia/Seminar	20
16	IT - Certificate Course	Educational Information Technology at CIST Mysore (6 months)

17	Multimedia & E-Content Course	“Capacity Building Programme on Multimedia & E-Content Development” conducted by Consortium for Educational Communication, New Delhi through EDUSAT Network in collaboration with EMMRC, Mysore (27.11.2006 to 16.12.2006)
18	Academic Council Member	Yuvaraja’s College (Autonomous), Mysore (THRICE)
19	BOE Chairman in Microbiology (UG)	1) University of Mysore, 2) Yuvaraja’s College (Autonomous) Mysore
20	BOE Member in Microbiology (UG)	1) University of Mysore 2) Bangalore University 3) Kuvempu University 4) Gulbarga University 5) Mangalore University 6) Tumkur University 7) Davanagere University 8) Kannur University, Kerala 9) Sahyadri College (Autonomous), Shimoga 10) Yuvaraja’s College (Autonomous), Mysore 11) JSS College (Autonomous), Ooty Road, Mysore 12) JSS College for Women (Autonomous), Saraswathipuram, Mysore 13) St. Philomena’s College, Mysore
21	BOE Member in Biotechnology	1) Yuvaraja’s College (Autonomous), Mysore 2) Bangalore University
22	BOS Chairman in Microbiology	1) Yuvaraja’s College (Autonomous) Mysore
23	BOS Member in Microbiology	1) University of Mysore 2) Kuvempu University 3) Gulbarga University 4) Tumkur University 5) Sahyadri College (Autonomous), Shimoga 6) Yuvaraja’s College (Autonomous), Mysore 7) JSS College (Autonomous), Ooty Road, Mysore 8) JSS College for Women (Autonomous), Saraswathipuram,

		Mysore 9) St. Philomena's College, Mysore 10) Tumkur University, Tumkur
24	BOS Member in Biotechnology	1) Yuvaraja's College (Autonomous), Mysore 2) Kuvempu University
25	BOS Member in Environmental Science	1) Yuvaraja's College (Autonomous), Mysore

Awards:

1. **Bharat Shiksha Ratan Award**, New Delhi (2013)
2. **Indira Gandhi Sadbhavana Award**, New Delhi (2014)

Research Projects

1. **UGC Major Project** entitled “Sources of domestic pollution of drinking water” during 2011-19 (**Rs.10,69,659**) (completed).
2. **MHRD, UGC-IOE Project** on “Biodiversity, bioprospecting and sustainable Development” Awarded to University of Mysore by Government of India during 2010-14, **>10 Lakhs Rupees (completed)**.
3. **UGC Minor Research Project** on “Microbiological status of ground water in Mysore for drinking” during 2006-08 (**Rs. 25,000/-**) (completed).

Faculty Adviser:

1. **Gowtham Hostel**, University of Mysore (1996-98)
2. **Babasaheb Dr. B.R. Ambedkar Hostel**, University of Mysore (1998-2002)
3. **University of Mysore Hostel-II** (Mar, 2007 - Sep, 2017)

LIST OF Ph.D. CANDIDATES GUIDED

Sl. No.	Doctoral Candidate	Thesis Title	Subject	Year of Award
1	Dr. C. Nagalambika	Investigations on physico-chemical and bacteriological parameters of ground water in Mysore city	Microbiology	2011
2	Dr. K. S. Divya	Ecological studies on microbial diversity of surface water in coorg and wynad districts	Microbiology	2014
3	Dr. A. Nagaraju	Elicitation of Resistance and Defense Related Enzymes by Plant Growth Promoting Fungi in Sunflower against Downy Mildew Disease Caused by <i>Plasmopara halstedii</i>	Microbiology	2015
4	Dr. Brajesh Kumar Jha	Isolation and molecular characterization of dermatophytes by PCR	Microbiology	2015
5	Dr. Navin Kumar Chaudhary	Antimicrobial resistance among uropathogens with reference to extended spectrum β -lactamase production	Microbiology	2016
6	Dr. C. R. Poornima Devi	Studies on physico-chemical and microbiological parameters of lakes in Mandya district	Microbiology	2017
7	Dr. H. V. Pavan	Isolation and characterization of bioactive principle from <i>Ipomoea mauritiana</i> Jacq. against urinary catheter associated bacterial biofilms	Microbiology	2018
8	Dr. K. N. Akshatha	Isolation and characterization of active principle from <i>Madhuca longifolia</i> L. against complications associated with diabetes	Microbiology	2019
9	Dr. M. S. Shobha	Studies on endophytes against <i>Phytophthora capsici</i> Leonian the incitant of foot rot of pepper	Microbiology	2019

LIST OF M.PHIL. CANDIDATES GUIDED

Sl. No.	Name	Title of the Dissertation	Subject	Year
1	Hemavathi, G.	Isolation and characterization of food-borne pathogens in traditional foods	Microbiology	2007
2	Poornimadevi, C.R.	Management of some seed-borne pathogens of rice	Microbiology	2007
3	Shubha K.S.	Studies on cultural, biochemical and antibiotic sensitivity patterns of some hospital pathogens and their management	Microbiology	2007
4	Siddegowda, G. S.	Biochemical and bacteriological quality of sauce prepared from fish processing waste	Microbiology	2007
5	Umamaheshwari, S.	Antimicrobial properties of medicinal plants	Microbiology	2007
6	Pushpalatha, M. N.	Algal biodiversity of Karanji lake	Botany	2007
7	Smitha, K.G.	Buffering capacity of Kukkarahalli lake	Botany	2007
8	Anuradha, R.P.	A survey of phytoplanktons of Nanjangud	Botany	2008
9	Amulya, M. S.	Algae as bioagents in two lakes of Mysore city	Botany	2008
10	Girishkumar, B.	Evaluation of probiotic properties of lactic acid bacteria isolated from human origin and their interaction with prebiotics	Microbiology	2008
11	Vishwanath Naik P.	Microbiological studies on bakery food	Microbiology	2008

BOOKS/CHAPTERS PUBLISHED

Sl. No.	Title	Publishers	Year
1	Self-Instructional Material (SIM) for M.Sc. in Microbiology. Course III - Phycology and Mycology (Block IV)	Karnataka State Open University, Mysore	2006
2	Microbiology and Biotechnology Tutor for CET/UGC-CSIR	Aishwarya Publishers Mysore	2007
3	Self-Instructional Material (SIM) for M.Sc. in Biotechnology. Course II - Biochemical Pathways and Bioaccelators (Block I)	Karnataka State Open University, Mysore	2007
4	Self-Instructional Material (SIM) for M.Sc. in Microbiology. Course IX - Phytopathology and Medical Microbiology (Block II)	Karnataka State Open University, Mysore	2008

MEMBERSHIPS IN ACADEMIC BODIES:

1. Association of Microbiologists of India (Life Member)
2. Society of Biological Chemists (Life Member)
3. Mycological Society of India (MSI) (Life Member)
4. Indian Science Congress Association (Life Member)
5. Indian Society of Mycology and Plant Pathology (Member)
6. Indian Phytopathological Society (Member)
7. Current Science Association (Member)
8. Indian Society of Plant Pathologists (Member)
9. Millets Workers Association of India (Member)

Other Responsibilities Served:

1. **Deputy Registrar, Special Cell for SC/ST**, University of Mysore from January 2017 to till-date
2. **In-charge of University Guest House** of University of Mysore from December 2009 to June – 2013
3. Served as **Chief Superintendent** to conduct **MBA/BBM/MSc Examinations** at Outreach Centers in India and Abroad
4. Served as **Chief Superintendent** to conduct B.Sc. and M.Sc. Examinations at Yuvaraja's College (Autonomous), Mysore for April – May, 2007.
5. J.K. Institute of Technology, Navi Mumbai from 21st July 2008 to 4th August 2008.
6. Indo-American Institutions, Anakapalle, Vishakapattanam, Andhra Pradesh from 11th February 2009 to 26th February 2009.
7. K.R. Mangalam Institute of Management, New Delhi from 23rd June 2009 to 6th July 2009.
8. St. Xavier's College, Kolkata during 2nd June 2010 to 4th July 2010.
9. Spectrum Institute of Science and Technology, Colombo, Sri Lanka during 18th August 2011 to 25th August 2011.
10. Institute of Business Management and Research, Gurgaon, Haryana during 19th June to 2nd July 2014.
11. Worked as Coordinator for "Remedial coaching classes for SC/ST/OBC" sponsored by UGC, New Delhi during 2010-11 at Yuvaraja's College (Autonomous), Mysore.
12. Worked as Observer in connection with K-SET Examination and Visited the K-SET Examination Centres of Bangalore University on 22nd and 23rd October, 2011.
13. Worked as Asst. Superintendent in connection with UGC-NET Examination and Visited the NET Examination Centres of Mysore University (Maharani's Jr. College, Mysore) on 29th and 30th June, 2013.
14. Worked as Observer in connection with K-SET Examination and Visited the K-SET Examination Centres of Mysore University (JSS Polytechnic, Mysore) on 8th December, 2013.
15. Worked as Observer in connection with K-SET Examination and Visited the K-SET Examination Centres of Gulbarga University, Kalaburagi on 6th and 7th December, 2015.

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16. Served as Member in “Inter-Collegiate Literary and Cultural Competitions” at University of Mysore during 2009-16.
 17. A Multimedia Talk on “Bio-fertilizers” delivered at Educational Multimedia Research Centre (EMRC), University of Mysore, Mysore.
 18. A Multimedia Talk on “AIDS” delivered at Educational Multimedia Research Centre (EMRC), University of Mysore, Mysore.
 19. Served as Member in “Silver Uni-fest - 25th South Zone Inter-University Youth Festival” at University of Mysore during November 23 to 27, 2009
 20. Adjudicated Ph.D. Thesis of Botany from Karnatak University, Dharwad (25-7-2012).
 21. Served as Member in 31st Inter University National Youth Festival "Yuva Shatha Sambhrama-2016" Organized by: University of Mysore in collaboration with Association of Indian Universities, New Delhi and Ministry of Youth Affairs & Sports, Government of India at University of Mysore during February 15 to 19, 2016.
 22. Attended a Training Programme at Ministry of Tribal Affairs at Gurugram, Hariyana on 22.01.2020.

SCIENTIFIC PUBLICATIONS:

1. Shobha, M.S., Lakshmi Devi, N. and **Mahadeva Murthy, S.** 2019. Induction of systemic resistance by rhizobacterial and endophytic fungi against foot rot disease of *Piper nigrum* L. by increasing enzyme defense activity. *International Journal of Environment, Agriculture and Biotechnology* 4(1): 86-98.
2. Shobha, M.S., Lakshmi Devi, N. and **Mahadeva Murthy, S.** 2019. Field survey, morphological and molecular characterization of *Phytophthora capsici*, causes foot rot disease of black pepper in Karnataka, India. *International Journal of Current Advanced Research* 8(1): 17089-17097.
3. Akshatha, K.N., **Mahadeva Murthy, S.**, Lakshmi Devi, N. and Sampath Kumara, K.K. 2018. In vitro antimicrobial and antioxidant studies of active principle hexacosylidencyclohexane extracted from bark of *Madhuca longifolia* L. *International Journal of Herbal Medicine* 6(5): 61-66 (Research Guide and Corresponding Author – Peer Reviewed Journal).
4. Akshatha, K.N., **Mahadeva Murthy, S.** and Lakshmi Devi, N. 2018. Phytochemical studies and TLC profile of *Madhuca longifolia* L. bark with different solvents.

International Journal of Pharma and Bio Sciences 9(3): (B) 213-218 (Research Guide and Corresponding Author – Peer Reviewed Journal).

5. Ranjana Ramesh, Dorin Dsouza, Yogish, S. and **Mahadeva Murthy, S.** 2018. Colorectal cancer: A review of disease diagnosis, surgical intervention and treatment procedures. Indian Research Journal of Pharmacy and Science 16: 1260-1279 (Corresponding Author – Peer Reviewed Journal).
6. Pavan, H.V., **Mahadeva Murthy, S.**, Lakshmi Devi, N. and Ramakrishna, M.K. 2017. Isolation and characterization of bioactive moiety from leaf extract of Ipomoea mauritiana and evaluation of anti-inflammatory activity by carrageenan induced rat paw edema test. Journal of Natural Remedies DOI: 10.18311/jnr/2017/18176 (Research Guide and Corresponding Author – UGC - CARE Journal).
7. Pavan, H.V., **Mahadeva Murthy, S.** and Lakshmidivi, N. 2017. Isolation and identification of urinary catheter associated bacteria and study of in vitro antibacterial activity of methanolic and petroleum ether leaf extracts of Ipomoea mauritiana Jacq. against bacteria isolated from urinary catheters. International Journal of Herbal Medicine 5(5): 216-220 (Research Guide – Peer Reviewed Journal).
8. Jagadeep Chandra, S., **Mahadeva Murthy, S.** and Ranjana Ramesh 2017. Evaluation of the wound healing activity of Caesalpinia bonducella and Cyclea peltata extracts in experimentally induced diabetic rats. International Journal of Pharmacy and Pharmaceutical Sciences 9(10): 211-217 (Corresponding Author – Peer Reviewed Journal).
9. Poornima Devi, C.R. and **Mahadeva Murthy, S.** 2017. Phytoplanktons as indicators of ecological status of certain lakes of Mandya District. Journal of Bio Innovation. 6: 234-247 (Research Guide and Corresponding Author – Peer Reviewed Journal).
10. Jha, B.K., **Mahadeva Murthy, S.**, Sudisha, J. and Bora, A. 2015. Isolation, identification and antifungal susceptibility test of dermatophytes from the patients with Onychomycosis in Central Nepal. American Journal of Dermatology and Venereology 4(3): 30-36 (Research Guide – Peer Reviewed Journal).
11. Poornima Devi, C.R. and **Mahadeva Murthy, S.** 2015. Insight into limnological regime of Mandya lakes, Karnataka. International Journal of Advanced Life Sciences. 8: 224-236 (Research Guide and Corresponding Author – Peer Reviewed Journal).
12. Nagalambika, C., **Mahadeva Murthy, S.** and Harsha, T.S. 2014. Seasonal variations in physico-chemical and bacteriological parameters of groundwater in East-West Zones of

Mysore City. Journal of Water Research Photon 136: 272-277 (Research Guide and Corresponding Author – Peer Reviewed Journal).

13. Pavan, H.V., Akshatha, K.N. and **Mahadeva Murthy, S.** 2013. Catheter associated urinary tract infections and its prevention by interference: A review. Reviews in Medical Microbiology 24: 98-103.
14. Akshatha, K.N., **Mahadeva Murthy, S.** and Lakshmidivi, N. 2013. Ethnomedical uses of Madhuca longifolia – Review Article. International Journal of Life Science and Pharma Research 3(4): L44-L53.
15. Divya, K.S. and **Mahadeva Murthy, S.** 2013. Study of water quality assessment using water quality index (WQI) in few water samples of Karnataka and Kerala states. International Journal of Recent Scientific Research 4(3): 267-270.
16. Divya, K.S. and **Mahadeva Murthy, S.** 2013. Assessment of physico-chemical parameters of surfacewater in coorg and wynad districts (western ghats). Journal of Research in Science and Technology 2(8): 1-9.
17. Divya, K.S. and **Mahadeva Murthy, S.** 2013. A comparative study of the growth of Phytoplanktons in surface water samples and in the formation of algal blooms. International Journal of Innovative Research in Science, Engineering and Technology 2(7): 2736-2747.
18. Jha, B.K. and **Mahadeva Murthy, S.** 2013. Studies on invasive keratinophilic dermatophytes of human hair. Journal of Drug Delivery and Therapeutics 3(2): 70-74.
19. Jha, B.K. and **Mahadeva Murthy, S.** 2013. Increasing incidence of dermatophytic infection among patients. International Journal of Science and Research 2(1): 437-441.
20. Jha, B.K. and **Mahadeva Murthy, S.** 2013. Study on clinico-dermatophytic infection among cancer Patients. International Journal of Biology, Pharmacy and Allied Sciences 2(1): 102-110.
21. Jha BK, **Mahadeva Murthy, S.**, Mathur, M. and Gupta, B.P. 2013. Antifungal susceptibility testing of dermatophytes from all tinea cases, by broth micro dilution method. Journal of Pharma Research 2(4): 1-4.
22. Chaudhary, N.K. and **Mahadeva Murthy, S.** 2013. Extended spectrum beta-lactamases in uropathogen. Asian Journal of Pharma Clinical Research 6(3): 207-210.

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23. Chaudhary, N.K. and **Mahadeva Murthy, S.** 2013. Urinary tract infection: etiology and antimicrobial resistance with reference to adhesive organelles. *Journal of Drug Delivery and Therapeutics* 3(4): 93-98.
 24. Chaudhary, N.K. and **Mahadeva Murthy, S.** 2013. Prevalence of Multidrug Resistance in Uropathogenic Klebsiella Species With Reference to Extended Spectrum β - Lactamases Production. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* 4(3): 728-736.
 25. Nagalambika, C., **Mahadeva Murthy, S.**, Harsha, T.S., Istalinga Murthy, D. and Prathibha, R. 2013. Physico-chemical parameters and correlation coefficients of groundwater of Mysore city, Karnataka. *JSSCWM QUEST Journal* 1: 20-28.
 26. Pushpalatha, M.N., Sunitha, D., Divya, K.S. and **Mahadeva Murthy, S.** 2013. Diversity of phytoplankton in Karanji lake, Mysore. *JSSCWM QUEST Journal* 1(2): 29-35.
 27. Sunitha, D., **Mahadeva Murthy, S.**, Divya, K.S. and Ramalingam, A. 2013. Assessment of physico-chemical and bacteriological parameters of drinking water from different sources in Mysore city. *International Journal of Innovative Research in Science, Engineering and Technology* 2(10): 5687-5694.
 28. Nagaraju, A., Murali, M., Sudisha, J., Amruthesh, K.N. and **Mahadeva Murthy, S.** 2012. Beneficial microbes promote plant growth and induce systemic resistance in sunflower against downy mildew disease caused by *Plasmopara halstedii*. *Current Botany* 3(5): 12–18.
 29. Nagaraju, A., Sudisha, J., **Mahadeva Murthy, S.** and Ito, Shin-ichi. 2012. Seed priming with *Trichoderma harzianum* isolates enhances plant growth and induces resistance against *Plasmopara halstedii*, an incitant of sunflower downy mildew disease. *Australasian Plant Pathology* 41: 609–620.
 30. Nagaraju, A., Sudisha, J., **Mahadeva Murthy, S.** 2012. Induction of resistance by culture filterates of *Trichoderma harzianum* in sunflower against downy mildew caused by *Plasmopara halstedii*. *Journal of Mycology Plant Pathology* 42(4): 513–519.
 31. Jha B.K., **Mahadeva Murthy, S.** and Devi, N.L. 2012. Molecular identification of dermatophytosis by polymerase chain reaction (PCR) and detection of source of infection by restricted fragment length polymorphism (RFLP). *Journal of College of Medical Sciences-Nepal*. 8 (4): 7-15.
 32. Akshatha, K.N., **Mahadeva Murthy, S.** and Lakshmidivi, N. 2012. Purification and characterization of lipase from bacteria. *Journal of Research in Science and Technology* 1(7): 19-27.

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33. Ajith, P.S., Lakshmesha, K.K., **Mahadeva Murthy, S.** and Lakshmidēvi, N. 2012. Botanicals for control of anthracnose of bell peppers. *The Journal of Plant Protection Sciences* 4(1): 13-19.
 34. Jayarōopa, P., Vasanth, K.G., Renuka, N., Akshatha K.N., **Mahadeva Murthy, S.** and Ajay, K.K. 2012. Evaluation and studies on the structural impact of 3-aryl-5-(4-methoxyphenyl)-4,5-dihydroisoxazole-4-carbonitriles on their biological activities. *Der Pharmacia Lettre* 4(6): 1685-1691.
 35. Nagalambika, C, **Mahadeva Murthy, S.,** Harsha, T.S. and Lakshmidēvi, N. 2012. Studies on groundwater of Mysore city with special reference to fluoride concentration. *Nature Environment and Pollution Technology*. 11(4): 711-716.
 36. Umamaheshwari, S. and **Mahadeva Murthy, S.** 2012. An evaluation and comparative study of root extract of *Aristolochia indica* on *Escherichia coli* and antibiotics. *Journal of Pharmaceutical and Scientific Innovation* 6: 61-63.
 37. Umamaheshwari, S. and **Mahadeva Murthy, S.** 2012. Antibacterial activity of root of *Aristolochia indica* on *Bacillus subtilis*. *Rajiv Gandhi University of Health Sciences Journal of Pharmacological Sciences* 2(2): 1-5.
 38. Poornima Devi, C.R., Harish Srivathsa, H.S. and **Mahadevamurthy, S.** 2012. Management of some seed-borne pathogens of rice. *Journal of JSSCM* 12-18.
 39. Kavishankar, G.B., Lakshmidēvi, N. and **Mahadevamurthy, S.** 2011. Review Article on Diabetes and Medicinal Plants. *International Journal of Pharmaceutical and Biomedical Research* 2(3): 65-80.
 40. Kavishankar, G.B., Lakshmidēvi, N. and **Mahadevamurthy, S.** 2011. Phytochemical analysis and antimicrobial properties of selected medicinal plants against bacteria associated with diabetic patients. *International Journal of Pharma and Biosciences* 2(4): 1-10.
 41. Jha, B.K., Singh, Y.I., **Mahadevamurthy, S.** and Chaudhary, N.K. 2011. Septicemia detection by blood buffy coat smear in primary health care centers. *Journal of College of Medical Sciences-Nepal* 7: 19-23.
 42. Lakshmidēvi, N., Sudisha, J., **Mahadevamurthy, S.,** Prakash, H.S. and Shetty, H.S. 2010. First report to the seed-borne nature of root and collar rot disease caused by *Rhizoctonia solani* in sunflower from India. *Australasian Plant Disease Notes* 5: 11-13.

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43. Nagalambika, C., **Mahadevamurthy, S.**, Harsha, T.S. and Keshava Nireshwalia 2010. Enumeration of Escherichia coli in groundwaters of Mysore city, Karnataka, India. Indian Hydrobiology 13: 75-79.
 44. Nagalambika, C. and **Mahadevamurthy, S.** 2008. Microbial water quality evaluation of ground water in Mysore city, Karnataka. myScience 1: 38-44.
 45. **Mahadevamurthy, S.**, Prakash, H.S. and Shetty, H.S. 2006. Survival of Claviceps fusiformis sclerotia in antagonist-amended field soil. Asian Journal of Microbiology, Biotechnology and Environmental Sciences 8: 389-392.
 46. **Mahadevamurthy, S.**, Prakash, H.S. and Shetty, H.S. 2006. Effect of spraying with spore suspension and culture filtrate of antagonists on the development of ergot on pearl millet. Asian Journal of Microbiology, Biotechnology and Environmental Sciences 8: 393-398.
 47. **Mahadevamurthy, S.**, Prakash, H.S. and Shetty, H.S. 1993. In vitro effect of antagonists on the growth of Claviceps fusiformis. Journal of the Mysore University 33: 8-12.
 48. Dundaiah, M., Venkatesh, D.A. and **Mahadevamurthy, S.** 1992. Germination at high moisture content in jack fruit [Artocarpus integra (Thunb.) Merrill.] seeds. Myforest 28: 8-10.
 49. **Mahadevamurthy, S.**, Prakash, H.S. and Shetty, H.S. 1991-92. Prevention of sclerotial germination of Claviceps fusiformis using culture filtrates of antagonists. Journal of Mysore University, Section B - Science 32: 354-358.
 50. Venkatesh, D.A., Dundaiah, M. and **Mahadevamurthy, S.** 1990. Viability of neem seeds. Myforest 26: 369-370.
 51. **Mahadevamurthy, S.** Prakash, H.S. and Shetty, H.S. 1990. Inhibition of conidial germination of Claviceps fusiformis using various antagonists. Proceedings of National Seminar on Advances in Seed Science and Technology, Department of Applied Botany, Mysore 288-289.
 52. **Mahadevamurthy, S.**, Prakash, H.S. and Shetty, H.S. 1990. Inhibitory effect of some antagonists on the in vivo growth of Claviceps fusiformis. International Journal of Tropical Plant Diseases 8: 267-269.
 53. **Mahadevamurthy, S.**, Prakash, H.S. and Shetty, H.S. 1990. Effect of fertilizers amendment of soil and antagonistic treatment of sclerotial germination of Claviceps fusiformis. Plant Disease Research 5: 212-215.

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54. **Mahadevamurthy, S.**, Prakash, H.S. and Shetty, H.S. 1988. Effect of some antagonists on sclerotial germination of *Claviceps fusiformis*. *Journal of Biological Control* 2: 120-122.

Newsletters:

1. **Mahadevamurthy, S.**, Prakash, H.S. and Shetty, H.S. 1990. Fungal association with sclerotia of *Claviceps fusiformis* and their effect on sclerotial germination. *Milletts Newsletter* 9: 13-14.
2. **Mahadevamurthy, S.**, Prakash, H.S. and Shetty, H.S. 1990. Effect of culture filtrate extracts of antagonists on conidial germination of *Claviceps fusiformis*. *Milletts Newsletter* 9: 12-13.
3. Jayapala, G., **Mahadevamurthy, S.**, Prakash, H.S. and Shetty, H.S. 1990. Infection potential of different inocula of *Claviceps fusiformis*. *Milletts Newsletter* 9: 11-12.
4. **Mahadevamurthy, S.**, Prakash, H.S. and Shetty, H.S. 1989. Inhibition of sclerotial germination of *Claviceps fusiformis* by neem leaf extract. *Milletts Newsletter* 8: 27-28.
5. **Mahadevamurthy, S.**, Prakash, H.S. and Shetty, H.S. 1989. Germination inhibition of ascospores of *Claviceps fusiformis* by certain antagonists. *Milletts Newsletter* 8: 20-21.
6. **Mahadevamurthy, S.**, Prakash, H.S. and Shetty, H.S. 1988. Effect of antagonists on survival of *Claviceps fusiformis* sclerotia in soil. *Milletts Newsletter* 7: 29-30.

RESOURCE PERSON / INVITED TALK:

1. Delivered a Talk on **“Isolation and characterization of bioactive principle from *Ipomoea mauritiana* Jacq. against urinary catheter associated bacterial biofilms”** in International Conference on Interdisciplinary Approach in Science and Technology at **National University of Singapore, Singapore**, May 25-27, 2019.
2. Delivered a talk on **“How to prepare for UGC-NET/CSIR and other competitive examinations”** at Brain Storming Workshop at Senate Bhavan, Mysore held on 21-4-2017.
3. Delivered a Talk on **“Ecological studies on microbial diversity of surface water in coorg and wynad districts”** in International Conference on Interdisciplinary Approach in Science and Technology at Pattaya, Thailand May 19-20, 2017.

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4. Delivered a talk on **“Preparation for UGC-NET/CSIR and other competitive examinations”** at Brain Storming Workshop at PG Centre, Hassan held on 25-4-2017.
 5. Delivered a talk on **“How to face the competitive examinations”** at Brain Storming Workshop at PG Centre, Mandya held on 28-4-2017.
 6. Delivered a talk on **“Personality Development and competitive examinations”** at Brain Storming Workshop at PG Centre, Chamarajanagar held on 02-5-2017.
 7. International Conference on **Science and Technology: Future Challenges and Solutions (STFCS - 2016)** under auspicious of JSPS and University of Mysore at Vijnana Bhavan, University of Mysore, Mysore, August 8-9, 2016.
 8. **“3rd Global Conference”** at Rajasthan College of Agriculture, Maharana Pratap University of Agriculture and Seed Technology, Udaipur, Rajasthan, January 10-13, 2012.
 9. 6th International Conference on Webometrics, Informetrics and Scientometrics and 11th COLLNET Meeting at Department of Studies in Library and Information Science, University of Mysore, Mysore, October 19-22, 2010.

SYMPOSIA, CONFERENCES, SEMINARS, WORKSHOPS ATTENDED / ORGANIZED

1. Presented a paper on **“Isolation and characterization of bioactive principle from Ipomoea mauritiana Jacq. against urinary catheter associated bacterial biofilms”** in International Conference on Interdisciplinary Approach in Science and Technology at **National University of Singapore, Singapore**, May 25-27, 2019.
2. **Organized “One-day Brain Storming Workshop for Successfully facing Competitive Examinations”** at Post Graduate Centre, Hemangotri, University of Mysore, Hassan, March 25, 2019.
3. **Organized “One-day Brain Storming Workshop for Successfully facing Competitive Examinations”** at Sir M. Vishvesharaiah Post Graduate Centre, University of Mysore, Mandya, March 22, 2019.
4. **Organized “Two-day Brain Storming Workshop for Successfully facing Competitive Examinations”** at Shri Nalwadi Krishnaraja Wodeyar Auditorium (Senate Bhavan), University of Mysore, Mysuru, March 20-21, 2019.
5. **Organized “One-day Brain Storming Workshop for Successfully facing Competitive Examinations”** at Dr. B.R. Ambedkar Post Graduate Centre, University of Mysore, Chamarajanagar, March 18, 2019.

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6. **Organized Babasaheb Dr. B.R. Ambedkar's 127th Birth Celebrations** at University of Mysore, Manasagangotri, Mysuru, April 27, 2018.
 7. **Organized Dr. B.R. Ambedkar's Birth Celebrations and Felicitations to Ph.D. and I Rank holders of Degree and Master Degree SC-STs at BIMS**, University of Mysore, Mysuru, April 14, 2018.
 8. Presented a Paper on **"Isolation and characterization of active principles from *Madhuca longifolia* L. against complications associated with diabetes"** in One - Day National Symposium on "Current Developments in Plant Science" at Dept. of Studies in Botany, University of Mysore, Mysuru, March 2, 2018.
 9. International Conference on **"Quest for Equity, Reclaiming Social Justice, Revisiting Ambedkar"** to mark 126th Birth Anniversary of Dr. B.R. Ambedkar at GKVK, University of Agricultural Sciences, Bengaluru, July 21-23, 2017.
 10. Presented a paper on **"Ecological studies on microbial diversity of surface water in Coorg and Wynad Districts"** in International Conference on **"Interdisciplinary Approach in Science and Technology at Ban Sukhawade House, Educational Gardens, Pattaya, Thailand, May 19-20, 2017.**
 11. **Organized "Two-day Brain Storming Workshop for Successfully facing Competitive Examinations"** at Shri Nalwadi Krishnaraja Wodeyar Auditorium (Senate Bhavan), University of Mysore, Mysuru, April 21-22, 2017.
 12. **Organized "One-day Brain Storming Workshop for Successfully facing Competitive Examinations"** at Post Graduate Centre, Hemagangotri, University of Mysore, Hassan, April 25, 2017.
 13. **Organized "One-day Brain Storming Workshop for Successfully facing Competitive Examinations"** at Sir M. Vishvesharaiah Post Graduate Centre, University of Mysore, Mandya, April 28, 2017.
 14. **Organized "One-day Brain Storming Workshop for Successfully facing Competitive Examinations"** at Dr. B.R. Ambedkar Post Graduate Centre, University of Mysore, Chamarajanagar, May 2, 2017.
 15. **Organized Dr. B.R. Ambedkar's Birth Celebrations and Felicitations to Ph.D. holders of SC-STs** at BIMS, University of Mysore, Mysuru, April 14, 2017.
 16. **Two-Day Workshop** for Academic Administrators at UGC – Human Resource Development Centre, University of Mysore, Mysuru, February 3-4, 2017.
 17. **3rd International Festival of Science, Technology, Engineering and Mathematics** at University of Mysore, Mysore, October 17-20, 2016.

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18. International Conference on ‘**Science and Technology: Future Challenges and Solutions (STFCS - 2016)**’ under auspicious of JSPS and University of Mysore at Vijnana Bhavan, University of Mysore, Mysore, August 8-9, 2016.
 19. **103rd Indian Science Congress**, Accommodation Committee Member and Presented a paper on “**Study of bacterial diversity in coorg and wynad districts, Western Ghats**” held at University of Mysore, Mysore, January 3-7, 2016.
 20. **Two-Day UGC Sponsored National Seminar on Vachana Sahithya: Samakaalina Chinthanegalu**, Organizing Committee Member at Yuvaraja’s College, University of Mysore, Mysore, September 22-23, 2015.
 21. **NABS National Seminar on Biological Products for Crop, Animal and Human Health – Problems and Prospects** at Department of Studies in Biotechnology, University of Mysore, Mysuru and National Academy of Biological Sciences, Chennai, Tamil Nadu, August 21-22, 2015.
 22. One-day **National Seminar on Chemistry and Chemical Biology** on the occasion of Prof. K.S. Rangappa’s 60th Birth Celebration at Shri Nalwadi Krishnaraja Wodeyar Auditorium, University of Mysore, Mysore, May 26, 2015.
 23. Two-Day **UGC Sponsored National Seminar on Statistical Methods and Data Analysis**, Organizing Committee Member at Yuvaraja’s College, University of Mysore, Mysore, September 26-27, 2014.
 24. **Two-Day UGC Sponsored National Seminar** on Educational Vision and Mission of Swami Vivekananda at Yuvaraja’s College, University of Mysore, Mysore August 18-19, 2014.
 25. **International Symposium on Chemical Biology - Drug Discovery** at Department of Studies in Biochemistry, University of Mysore, January 9-10, 2014.
 26. Work shop on Curriculum Development in Science Subjects at JSS College of Arts, Commerce and Science, Ooty Road, Mysore, November 31, 2013.
 27. 38th National Seminar and Award Function at Global Society for Health and Educational Growth, New Delhi, September 30, 2013.
 28. **3rd “Global Conference”** at Rajasthan College of Agriculture, Maharana Pratap University of Agriculture and Seed Technology, **Udaipur, Rajasthan**, January 10-13, 2012.
 29. One day National Level Workshop on **Modern Trends in Research Methodology** at SBRR Mahajana First Grade College, Mysore, December 20, 2011.

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30. Workshop on “**Relevance of Conservation of Western Ghats to Plain Region**” Jointly organized by Western Ghats Task Force, Karnataka Forest Department and University of Mysore, Mysore, December 13, 2011.
 31. ISMPP-South Zone Conference on **Fungal Diversity and Emerging Crop Diseases** at Department of Studies in Botany, University of Mysore, Mysore, May 12-13, 2011.
 32. 6th **International Conference on Webometrics, Informetrics and Scientometrics and 11th COLLNET Meeting** at Department of Studies in Library and Information Science, University of Mysore, Mysore, October 19-22, 2010.
 33. One Day Symposium on **Microbial Energy** held at Department of Studies in Microbiology and Sir M. Vishveshvaraiiah Chair, University of Mysore, Mysore, September 15, 2010.
 34. **Dr. Norman E. Borlaug** Commemoration National Conference on “**Plant Diversity and Plant Health**” at Department of Studies in Botany, University of Mysore, Mysore, March 11-12, 2010.
 35. National Level Seminar on ‘**Advanced Trends and Prospectives in Biotechnology**’ at SBRR Mahajana First Grade College, Mysore, March 8-9, 2010.
 36. **XIV Southern Regional Conference on Microbial Inoculants** sponsored by UGC – WRO, Pune held at National Institute of Oceanography, Dona Paula, Goa, February 11-12, 2010.
 37. State Level Seminar on ‘**Intellectual Property Rights in Life Sciences**’ Sponsored by UGC, held at Pooja Bhagavat Memorial Mahajana Post-Graduate Center, Mysore, December 3, 2009.
 38. National Conference on **Plant Biotechnology and Bioprospecting** at Department of Studies in Botany, University of Mysore, Mysore, March 16-17, 2009.
 39. State Level Seminar on **Recent Developments in Microbial Technology** at JSS College for Women, Saraswathipuram, Mysore, March 5-6, 2009.
 40. National Seminar on **Genetic Engineering and its Impact at Bharathi College**, Bharathinagar, Mandya, January 24, 2009.
 41. National Seminar on **Molecular Plant Pathology and Biotechnology** for sustainable crop production at Department of Studies in Applied Botany and Biotechnology, University of Mysore, Mysore, November 28–29, 2007.
 42. Two Day Colloquium on “**Current Trends in Plant Sciences**” at Department of Studies in Botany, University of Mysore, Mysore, February 2–3, 2007.

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43. Workshop on **Virtual Presences at SBRR** Mahajana First Grade College, Mysore, October 30, 2006.
 44. Seminar on Future Perspectives in Microbiology and Biotechnology at Amrita Mahavidyalaya, Mysore, March 18, 2006.
 45. State Level Workshop on ‘**Medicinal Plants - Antifungal agents from plants**’ at Adichunchanagiri First Grade College, Channarayapattana, Hassan, February 6, 2006.
 46. Workshop on “**Civil Rights and Employees**” at Dr. B.R. Ambedkar Research and Extension Centre, University of Mysore, August 23-24, 2005.
 47. State Level Seminar on **Biotechnology: Emerging Trends** at Sarada Vilas College, Mysore August 12-13, 2005.
 48. State Level Conference on **Environmental Pollution and Management – Future Challenges** at JSS College, Ooty Road, Mysore, July 29-30, 2005.
 49. Regional Level Seminar on **Biodiversity for Food Security** at Yuvaraja’s College, Mysore, University of Mysore, June 24-25, 2005.
 50. Half-Day Colloquium on **Recent Advances in Microbiological Analysis** conducted by Association of Microbiologists of India at Central Food Technological Research Institute (CFTRI), Mysore, February 4, 2005.
 51. National Seminar on **Bioinformatics** at Yuvaraja’s College and Centre for Information Science and Technology (CIST), University of Mysore, Mysore, January 20-24, 2005.
 52. National Seminar Cum Workshop on **Role of Language in Teaching Science for Undergraduate Courses**, at JSS College, Ooty Road, Mysore, December 17-18, 2004.
 53. National Seminar on **Emerging Trends in Applied Botany, Seed Science and Technology** at Department of Studies in Applied Botany, Seed Pathology and Biotechnology, University of Mysore, Mysore, November 4 – 6, 2004.
 54. Colloquium on **Current Trends in Microbial Biotechnology** conducted by Association of Microbiologists of India at Central Food Technological Research Institute (CFTRI), Mysore, September 21, 2004.
 55. Orientation Programme in **Self Instructional Material (SIM)** Development in the subject ‘Microbiology’ at Karnataka State Open University, Manasagangotri, Mysore, June 22, 2004.

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56. State Level Seminar on **Frontiers of Science and Technology** at Yuvaraja's College, University of Mysore, Mysore, January 5, 2004.
 57. **Asian Congress for Mycology and Plant Pathology** at Department of Studies in Applied Botany, Seed Pathology and Biotechnology, University of Mysore, Mysore, October 1 – 4, 2002.
 58. Microbiology Workshop in **Diagnostic Microbiology Trends** conducted by Department of Microbiology, Holdsworth Memorial Hospital, Mysore, April 4 – 6, 2002.
 59. National Seminar on **World Wide Web Education organized during the IT Expo 2002**, at Centre for Information Science and Technology (CIST), University of Mysore, Mysore, January 15 – 16, 2002.
 60. International Conference on **Problems and Prospects of IT Professionals in the New Millennium organized during the IT Expo 2002**, at Centre for Information Science and Technology (CIST), University of Mysore, Mysore, January 14, 2002.
 61. National Seminar on '**Seed Science and Technology in the New Millennium: Vistas and Vision**' at Department of Studies in Applied Botany, Seed Pathology and Biotechnology, University of Mysore, Mysore, August 6 – 8, 2001.
 62. National Symposium on **Seed Science and Technology** at Department of Studies in Applied Botany, Seed Pathology and Biotechnology, University of Mysore, Mysore, August 5 – 7, 1999.
 63. Danida-Enreca Workshop on **Systemic Acquired Resistance** at Department of Studies in Applied Botany, Seed Pathology and Biotechnology, University of Mysore, Mysore, December 8 – 10, 1998.
 64. **National Seed Project (Crops). XII Annual Group Meeting** at Department of Studies in Applied Botany, Seed Pathology and Biotechnology, University of Mysore, Mysore, May 2 – 4, 1998.
 65. **XX Botanical Conference** at Department of Studies in Applied Botany, University of Mysore, Mysore, December 29 – 31, 1997.
 66. Workshop on **Pearl Millet** at Department of Studies in Applied Botany, University of Mysore, Mysore, April, 1995.
 67. National Seminar on **Seed Pathology** at Department of Studies in Applied Botany, University of Mysore, Mysore, March 23 – 25, 1995.

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68. **MICON – International 94 and 35th Annual Conference of Association of Microbiologists of India** at Defence Food Research Laboratory, Mysore, November 9 – 12, 1994.
 69. International Workshop on **Bio-deterioration, Culture Collections and Aspects of Applied Mycology** at Department of Studies in Applied Botany, University of Mysore, Mysore, November 18 – 29, 1991.
 70. National Seminar on **Advances in Seed Science and Technology** at Department of Studies in Applied Botany, University of Mysore, Mysore, December 7 – 9, 1989.
 71. International Paul Neergaard Commemoration Symposium on **Seed Science and Biotechnology** at Central Food Technological Research Institute (CFTRI), Mysore, October 6 – 9, 1988.

REFRESHER COURSES / ORIENTATION PROGRAMMES PARTICIPATED:

1. Refresher Course in Life Sciences, conducted by UGC - Academic Staff College, University of Mysore, Mysore, during 07-01-2004 to 27-01-2004.
2. Refresher Course in Botany, conducted by UGC - Academic Staff College, University of Mysore, Mysore, during 21-09-2001 to 10-10-2001.
3. Orientation Programme conducted by UGC - Academic Staff College, University of Mysore, Mysore, during 02-03-1998 to 28-03-1998.
4. Environmental Education Programme, conducted by UGC - Academic Staff College, University of Mysore, Mysore, during 18-09-1996 to 11-10-1996.
5. Refresher Course for Undergraduate Microbiology teachers of the University of Mysore, conducted by Association of Microbiologists of India (Mysore Chapter), CFTRI, Mysore during 12-06-1995 to 17-06-1995.

Research Papers Reviewed

1. European Journal of Plant Pathology
2. Acta Agriculturae Scandinavica, Section B - Plant Soil Science
3. International Journal of Pharma Research
4. Indian Journal of Pharmacology
5. International Journal of Pharma and Biosciences

(S. Mahadeva Murthy)