
BIO-DATA

Dr. S. MAHADEVA MURTHY

M.Sc., M.Phil., Ph.D.

Professor of Microbiology
Yuvaraja's College, University of Mysore
Mysuru 570 005



Present:

Deputy Registrar

Special Cell for SC-ST
University of Mysore, Mysuru 570 005

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Educational Qualifications

- M. Sc. (Botany) : I Class (University of Mysore) 1987
M. Phil. (Seed Technology) : I Class (University of Mysore) 1988
Ph. D. (Applied Botany) : Awarded (University of Mysore) 1993

Academic Experience

- Teaching Experience : 29 Years
Reader in Microbiology : 3.5 Months (Mangalore University)
M.Sc. Molecular Biology
(Five Year Integrated Course) : 6 Years (2005-11)
Awards : 1) Bharat Shiksha Ratan Award, New Delhi (2013)
2) Indira Gandhi Sadbhavana Award, New Delhi (2014)
Research papers published : 60
Newsletters : 6
Technical Bulletin : 1; Ergot Disease of Pearl Millet

Books	:	2; Lakshmidēvi, N. and Murthy, S. M. 2007. Microbiology and Biotechnology Tutor for CET/UGC-CSIR, Aishwarya Publications, Mysore 212 p. “Samanatheya Kanasugara – Baba Saheb Dr. B.R. Ambedkar” Published by Prasaranga, University of Mysore, Ed. S. Narendra Kumar. April 2018. 71pp.
Book Chapters	:	3 – KSOU SIM Notes + 2 Chapters 1) Ed. Sudisha Jogaiah, Elsevier Publishing, United Kingdom. pp. 483-494. 2) Ed. Sudisha Jogaiah, Elsevier Publishing, United Kingdom. pp. 631-648.
Kannada Articles	:	2
Patent	:	1; Patent Application No. 201641011886 A Dated: 28-04-2017 Title: <i>A System for Stored Water Quality Monitoring, Stored Water Purification and Stored Water Quality Data Communication</i> Allinnov Research and Development Private Limited
Workshops Organized	:	8
Symposia/Seminars/Workshops/ Conferences Participated	:	70
Papers Abstracted in Symposia/Seminar	:	20
IT - Certificate Course	:	Educational Information Technology at CIST, Mysore (6 months)
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)
Academic Council Member	:	Yuvaraja’s College (Autonomous), Mysore

BOE Chairman in Microbiology (UG)	: 1) University of Mysore 2) Yuvaraja's College (Autonomous), Mysore
BOE Member in Microbiology (UG)	: 1) University of Mysore 2) Bangalore University 3) Kuvempu University 4) Gulbarga University 5) Mangalore University 6) Kannur University, Kerala 7) Sahyadri College (Autonomous), Shimoga 8) Yuvaraja's College (Autonomous), Mysore 9) JSS College (Autonomous), Ooty Road, Mysore 10) JSS College for Women (Autonomous), Saraswathipuram, Mysore 11) St. Philomena's College, Mysore 12) Tumkur University, Tumkur
BOE Member in Biotechnology	: Yuvaraja's College (Autonomous), Mysore Bangalore University
BOS Chairman in Microbiology	: Yuvaraja's College (Autonomous), Mysore Tumkur University, Tumkur
BOS Member in Microbiology	: 1) University of Mysore 2) Kuvempu University 3) Gulbarga University 4) Sahyadri College (Autonomous), Shimoga 5) Yuvaraja's College (Autonomous), Mysore 6) JSS College (Autonomous), Ooty Road, Mysore 7) JSS College for Women (Autonomous), Saraswathipuram, Mysore 8) St. Philomena's College, Mysore 9) Tumkur University, Tumkur 10) KSOU University, Mysore
BOS Member in Biotechnology	: 1) Yuvaraja's College (Autonomous), Mysore 2) Kuvempu University
BOS Member in Environmental Science	: Yuvaraja's College (Autonomous), Mysore
Ph.D. Guidance	: Awarded - 10 Six Research Scholars are working
M.Phil. Guidance	: 11

Research Projects	<ol style="list-style-type: none"> 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” during 2010-14, Rs. 10 Lakhs (Rs. 100 Crores Project) (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	: <ol style="list-style-type: none"> 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-Jul, 2017)
Hobby	: Photography and Bird Watching

OTHER POSITIONS

- ❖ **Deputy Registrar**, Special Cell for SC-ST, University of Mysore, Mysore (2 – January 2017 to Todate)
- ❖ In-charge of University Guest House, University of Mysore, Mysore (April 2010 to September 2013)
- ❖ **Served as Chief Superintendent to conduct MBA/BBM/MSc Examinations at**

Outreach Centers in India and Abroad:

- 1) Served as **Chief Superintendent** to conduct B.Sc. and M.Sc. Examinations at Yuvaraja’s College (Autonomous), Mysore for April – May, 2007.
- 2) J.K. Institute of Technology, **Navi Mumbai** from 21st July 2008 to 4th August 2008.
- 3) Indo-American Institutions, Anakapalle, **Vishakapattanam**, Andhra Pradesh from 11th February 2009 to 26th February 2009.
- 4) K.R. Mangalam Institute of Management, **New Delhi** from 23rd June 2009 to 6th July 2009.
- 5) St. Xavier’s College, **Kolkata** during 2nd June 2010 to 4th July 2010.

6) Spectrum Institute of Science and Technology, **Colombo, Sri Lanka** during 18th August 2011 to 25th August 2011.

7) Institute of Business Management and Research, Gurgaon, **Haryana** during 19th June to 2nd July 2014.

❖ 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.

❖ **Worked in K-SET Examination**

• 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.

• 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.

• 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.

• 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.

• Served as Member in “Inter-Collegiate Literary and Cultural Competitions” at University of Mysore during 2009-16.

❖ **A Multimedia Talk on “Biofertilizers”** delivered at Educational Multimedia Research Centre (EMRC), University of Mysore, Mysore.

• **A Multimedia Talk on “AIDS”** delivered at Educational Multimedia Research Centre (EMRC), University of Mysore, Mysore.

❖ Served as Member in “Silver Unifest – 25th South Zone Inter-University Youth Festival” at University of Mysore during November 23 to 27, 2009.

❖ Adjudicated Ph.D. Thesis of Botany from Karnatak University, Dharwad (25-7-2012).

❖ 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.

MEMBERSHIP OF PROFESSIONAL BODIES

- 1) National Academy of Biological Sciences
(Life member)
- 2) Association of Microbiologists of India – South Zone
(Life member) Vice-President (2001)
- 2) Society of Biological Chemists
(Life member)
- 3) Indian Science Congress
(Life Member)
- 4) Indian Phytopathological Society
(Member)
- 5) Indian Society of Plant Pathologists
(Member)
- 6) Millet Workers Association of India
(Member)
- 7) Current Science Association
(Member)

LIST OF PUBLICATIONS

1. Sowrabha, C. and **Mahadeva Murthy, S.** 2022. A comprehensive review on dandruff and its management by using herbal formulations. *Science, Technology and Development* 12(1): 128-142.
2. Shobha, M.S. and **Mahadeva Murthy, S.** 2021. Characterization of bioactive molecules from promising biocontrol agents isolated from soil and endophytes from *Azadirachta indica*. *Gis Science Journal* 8(7): 2341-2397.
3. Shobha, M.S. and **Mahadeva Murthy, S.** 2021. Endophytes as promising biocontrol agents against *Phytophthora capsici* isolated from *Azadirachta indica*- A foot rot of pepper. *Journal of Interdisciplinary Cycle Research* 13(7): 1776-1790.
4. Shobha, M.S. and **Mahadeva Murthy, S.** 2021. Isolation of potential biological strains from soil and endophytes from *Azadirachta indica* against foot rot disease of *Piper nigrum* L. *Science, Technology and Development* 10(7): 750-771.
5. Sunitha, D., **Mahadeva Murthy, S.** and Lakshmi Devi, N. 2020. Investigation of biofilm forming bacteria from potable water samples. *Journal of Advanced Scientific Research* 11 (4): 76-79.
6. Sunitha, D., **Mahadeva Murthy, S.** and Lakshmi Devi, N. 2020. Evaluation of enteric bacteria and in association in biofilm formation in potable water samples. *Journal of Advanced Scientific Research* 11 (6): 124-130.
7. 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.
8. 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.
9. Akshatha, K.N., **Mahadeva Murthy, S.**, Lakshmi Devi, N. and Sampath Kumara, K.K. 2018. *In vitro* antimicrobial and antioxidant studies of active principle hexacosylidenecyclohexane extracted from bark of *Madhuca longifolia* L. *International Journal of Herbal Medicine* 6(5): 61-66.

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10. 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.
 11. 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.
 12. 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.
 13. 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.
 14. 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.
 15. 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.
 16. 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.
 17. 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.
 18. 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.
 19. 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.

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20. Navin Kumar Chaudhary and **S. Mahadeva Murthy** 2013. Urinary tract infection: etiology and antimicrobial resistance with reference to adhesive organelles. *Journal of Drug Delivery and Therapeutics* **3** (4): 93-98.
 21. Navin Kumar Chaudhary and **S. Mahadeva Murthy** 2013. Extended spectrum betalactamases in uropathogens. *Asian Journal of Pharmaceutical and Clinical Research* **6** (3): 207-210.
 22. Navin Kumar Chaudhary and **S. Mahadeva Murthy** 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): 728-735.
 23. 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.
 24. 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.
 25. Nagaraju, A., Sudisha, J., **Mahadeva Murthy, S.** 2012. Induction of resistance by culture filtrates of *Trichoderma harzianum* in sunflower against downy mildew caused by *Plasmopara halstedii*. *Journal of Mycology Plant Pathology* 42(4): 513–519.
 26. 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.
 27. 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.
 28. 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.
 29. 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.

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30. Jha, B.K. and **Murthy, S.M.** 2013. Studies on invasive keratinophilic dermatophytes of human hair. *Journal of Drug Delivery and Therapeutics* 3(2): 70-74.
 31. Jha, B.K. and **Murthy, S.M.** 2013. Increasing incidence of dermatophytic infection among patients. *International Journal of Science and Research* 2(1): 437-441.
 32. Jha, B.K. and **Murthy, S.M.** 2013. Study on clinic-dermatophytic infection among cancer Patients. *International Journal of Biology, Pharmacy and Allied Sciences* 2(1): 102-110.
 33. Jha B.K., **Murthy, S.M.** 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.
 34. Jha BK, **Murthy, S.M.**, 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.
 35. 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.
 36. 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.
 37. 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.
 38. 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.
 39. Ajith, P.S., Lakshmesha, K.K., **Mahadeva Murthy, S.** and Lakshmidivi, N. 2012. Botanicals for control of anthracnose of bell peppers. *The Journal of Plant Protection Sciences* 4(1): 13-19.
 40. Jayaropa, P., Vasanth, K.G., Renuka, N., Akshatha K.N., **Mahadevamurthy, 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.
41. 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.
 42. 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.
 43. 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.
 44. Poornima Devi, C.R., Harish Srivathsa, H.S. and **Mahadeva Murthy, S.** 2012. Management of some seed-borne pathogens of rice. *Journal of JSSCM* 12-18.
 45. Kavishankar, G.B., Lakshmidēvi, N. and **Mahadeva Murthy, S.** 2011. Review Article on Diabetes and Medicinal Plants. *International Journal of Pharmaceutical and Biomedical Research* 2(3): 65-80.
 46. Kavishankar, G.B., Lakshmidēvi, N. and **Mahadeva Murthy, 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.
 47. 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.
 48. 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.
 49. Nagalambika, C. and **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.
 50. Nagalambika, C. and **Mahadevamurthy, S.** 2008. Microbial water quality evaluation of ground water in Mysore city, Karnataka. *myScience* 1: 38-44.

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51. **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.
 52. **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.
 53. **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.
 54. Dundaiah, M., Venkatesh, D.A. and **Mahadevamurthy, S.** 1992. Germination at high moisture content in jack fruit [*Artocarpus integra* (Thunb.) Merril.] seeds. Myforest 28: 8-10.
 55. **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.
 56. Venkatesh, D.A., Dundaiah, M. and **Mahadevamurthy, S.** 1990. Viability of neem seeds. Myforest 26: 369-370.
 57. **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.
 58. **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.
 59. **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.
 60. **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. Millets 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*. Millets 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*. Millets 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. Millets 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. Millets 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. Millets Newsletter 7: 29-30.

Technical Bulletin

Prakash, H.S., Shetty, H.S., **Mahadevamurthy, S.** and Mathur, S.B. 1995. Ergot disease of pearl millet. Technical Bulletin. Published by Danish Government of Seed Pathology for Developing Countries, Copenhagen, Denmark 8 pp.

BOOKS/CHAPTERS PUBLISHED

Sl. No.	Title	Publishers	Year
1	S. Mahadeva Murthy Self-Instructional Material (SIM) for M.Sc. in Microbiology. Course III - Phycology and Mycology (Block IV)	Karnataka State Open University, Mysore	2006
2	N. Lakshmidēvi and S. Mahadeva Murthy Microbiology and Biotechnology Tutor for CET/UGC-CSIR	Aishwarya Publishers Mysore 212 p.	2007
3	S. Mahadeva Murthy Self-Instructional Material (SIM) for M.Sc. in Biotechnology. Course II - Biochemical Pathways and Bioaccelerators (Block I)	Karnataka State Open University, Mysore	2007
4	S. Mahadeva Murthy Self-Instructional Material (SIM) for M.Sc. in Microbiology.	Karnataka State Open University, Mysore	2008

	Course IX - Phytopathology and Medical Microbiology (Block II)		
5	S. Narendrakumar “Samanatheya Kanassugara – Baba Saheb Dr. B.R. Ambedkar” Ed: S. Mahadeva Murthy	Prasaranga University of Mysore	2018
6	H. V. Pavan, S. Mahadeva Murthy and Sudisha Jogaiah 2020. Explorations of fungal diversity in extreme environmental conditions for sustainable agriculture applications. <i>In: Biocontrol Agents and Secondary Metabolites. Applications and Immunization For Plant Growth and Protection.</i>	Elsevier United Kingdom Chapter 21: 483-494	2021
7	K. S. Divya, S. Mahadeva Murthy and Sudisha Jogaiah 2021. Ecological studies of fungal biodiversity in freshwater and their broad – spectrum applications. <i>In: Biocontrol Agents and Secondary Metabolites. Applications and Immunization For Plant Growth and Protection.</i> Ed. Sudisha Jogaiah	Elsevier United Kingdom Chapter 27: 631-648	2021

**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.

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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.
 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. 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.
 9. 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.
 10. **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.
 11. **Organized** “One-day Brain Storming Workshop for Successfully facing Competitive Examinations” at Post Graduate Centre, Hemagangotri, University of Mysore, Hassan, April 25, 2017.
 12. **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.
 13. **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.
 14. **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.
 15. Two-Day Workshop for Academic Administrators at UGC-Human Resource Development Centre, University of Mysore, Mysuru, February 3-4, 2017.

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16. 3rd International Festival of Science, Technology, Engineering and Mathematics at University of Mysore, Mysore, October 17-20, 2016.
 17. 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.
 18. 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.
 19. 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.
 20. 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.
 21. 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.
 22. 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.
 23. 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.
 24. International Symposium on Chemical Biology – Drug Discovery at Department of Studies in Biochemistry, University of Mysore, January 9-10, 2014.
 25. Work shop on Curriculum Development in Science Subjects at JSS College of Arts, Commerce and Science, Ooty Road, Mysore, November 31, 2013.
 26. 38th National Seminar and Award Function at Global Society for Health and Educational Growth, New Delhi, September 30, 2013.
 27. 3rd Global Conference” at Rajasthan College of Agriculture, Maharana Pratap University of Agriculture and Seed Technology, Udaipur , Rajasthan, January 10-13, 2012.

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28. One day National Level Workshop on Modern Trends in Research Methodology at SBRR Mahajana First Grade College, Mysore, December 20, 2011.
 29. 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.
 30. 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.
 31. 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.
 32. One Day Symposium on Microbial Energy held at Department of Studies in Microbiology and Sir M. Vishveshvariah Chair, University of Mysore, Mysore, September 15, 2010.
 33. 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.
 34. National Level Seminar on ‘Advanced Trends and Prospectives in Biotechnology’ at SBRR Mahajana First Grade College, Mysore, March 8-9, 2010.
 35. 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.
 36. 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.
 37. National Conference on Plant Biotechnology and Bioprospecting at Department of Studies in Botany, University of Mysore, Mysore, March 16-17, 2009.
 38. State Level Seminar on Recent Developments in Microbial Technology at JSS College for Women, Saraswathipuram, Mysore, March 5-6, 2009.
 39. National Seminar on Genetic Engineering and its Impact at Bharathi College, Bharathinagar, Mandya, January 24, 2009.
 40. 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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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. Workshop on Virtual Presences at SBRR Mahajana First Grade College, Mysore, October 30, 2006.
 43. Seminar on Future Perspectives in Microbiology and Biotechnology at Amrita Mahavidyalaya, Mysore, March 18, 2006.
 44. State Level Workshop on Medicinal Plants – Antifungal agents from plants at Adichunchanagiri First Grade College, Channarayapattana, Hassan, February 6, 2006.
 45. Workshop on “Civil Rights and Employees” at Dr. B.R. Ambedkar Research and Extension Centre, University of Mysore, August 23-24, 2005.
 46. State Level Seminar on Biotechnology: Emerging Trends at Sarada Vilas College, Mysore August 12-13, 2005.
 47. State Level Conference on Environmental Pollution and Management – Future Challenges at JSS College, Ooty Road, Mysore, July 29-30, 2005.
 48. Regional Level Seminar on Biodiversity for Food Security at Yuvaraja’s College, Mysore, University of Mysore, June 24-25, 2005.
 49. 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.
 50. National Seminar on Bioinformatics at Yuvaraja’s College and Centre for Information Science and Technology (CIST), University of Mysore, Mysore, January 20-24, 2005.
 51. National Seminar Cum Workshop on Role of Language in Teaching Science for Undergraduate Courses, at JSS College, Ooty Road, Mysore, December 17-18, 2004.
 52. 2004 – 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.
 53. Half a day 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.

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54. Orientation Programme in Self Instructional Material (SIM) Development in the subject 'Microbiology' at Karnataka State Open University, Manasagangothri, Mysore, June 22, 2004.
 55. State Level Seminar on Frontiers of Science and Technology at Yuvaraja's College, University of Mysore, Mysore, January 5, 2004.
 56. 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.
 57. Microbiology Workshop in Diagnostic Microbiology Trends conducted by Department of Microbiology, Holdsworth Memorial Hospital, Mysore, April 4 – 6, 2002.
 58. 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.
 59. 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.
 60. 2001 – National Seminar, 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.
 61. 1999 – 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.
 62. 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.
 63. 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.
 64. XX Botanical Conference at Department of Studies in Applied Botany, University of Mysore, Mysore, December 29 – 31, 1997.
 65. Workshop on Pearl Millet at Department of Studies in Applied Botany, University of Mysore, Mysore, April, 1995.

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66. National Seminar on Seed Pathology at Department of Studies in Applied Botany, University of Mysore, Mysore, March 23 – 25, 1995.
 67. MICON – International 94 and 35th Annual Conference of Association of Microbiologists of India at Defence Food Research Laboratory, Mysore, November 9 – 12, 1994.
 68. International Workshop on Biodeterioration, Culture Collections and Aspects of Applied Mycology at Department of Studies in Applied Botany, University of Mysore, Mysore, November 18 – 29, 1991.
 69. National Seminar on Advances in Seed Science and Technology at Department of Studies in Applied Botany, University of Mysore, Mysore, December 7 – 9, 1989.
 70. International Paul Neergaard Commemoration Symposium on Seed Science and Biotechnology at Central Food Technological Research Institute (CFTRI), Mysore, October 6 – 9, 1988.

**DETAILS OF THE RESEARCH SCHOLARS WHO OBTAINED Ph.D.
UNDER DIRECT SUPERVISION**

Sl. No.	Name of the Research Scholar	Title of the Research Topic	Year of award
1	Mrs. C. Nagalambika	Investigations on physico-chemical and bacteriological parameters of ground water in Mysore city	2011
2	Mrs. K.S. Divya	Ecological studies on microbial diversity of surface water in coorg and wynad districts	2014
3	Mr. 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>	2015
4	Mr. Brajesh Kumar Jha	Isolation and molecular characterization of dermatophytes by PCR	2015
5	Mr. Navin Kumar Chaudhary	Antimicrobial resistance among uropathogens with reference to extended spectrum β -lactamase production	2016
6	Mrs. C.R. Poornima Devi	Studies on physico-chemical and microbiological parameters of lakes in Mandya district	2017
7	Mr. H.V. Pavan	Isolation and characterization of bioactive principle from <i>Ipomoea mauritiana</i> Jacq. against urinary catheter associated bacterial biofilms	2018
8	Mrs. K.N. Akshatha	Isolation and characterization of active principle from <i>Madhuca longifolia</i> L. against complications associated with diabetes	2019
9	Mrs. M.S. Shobha	Studies on endophytes against <i>Phytophthora capsici</i> Leonian the incitant of foot rot of pepper	2019
10	Mrs. D. Sunitha	Evaluation of enteric bacteria in potable water samples and their control using medicinal plants	2021

LIST OF Ph.D. CANDIDATES

Sl. No.	Name of the Candidate	With Fellowship	Without Fellowship	Category	Name of the Agency	Status
1	Mrs. C. Nagalambika	-	Yes	GM	External	Awarded
2	Mrs. K.S. Divya	Yes	-	SC	MHRD UGC-IOE	Awarded
3	Mr. A. Nagaraju	Yes	-	Cat. I	UGC-FIP	Awarded
4	Mr. Brajesh Kumar Jha	-	Yes	Foreign Student	External	Awarded
5	Mrs. C.R. Poornima Devi	-	Yes	III A	External	Awarded
6	Mr. Navin Kumar Chaudhary	-	Yes	Foreign Student	External	Awarded
7	Mrs. K.N. Akshatha	Yes	-	GM	DST-INSPIRE	Awarded
8	Mrs. M.S. Shobha	-	Yes	GM	-	Awarded
9	Mr. H.V. Pavan	-	Yes	GM	-	Awarded
10	Mrs. D. Sunitha	Yes	-	II A	UGC-MRP	Awarded
11	Ms. C. Sowrabha	Yes	-	SC	University Fellowship	Registered
12	Mrs. Shabeena Anjum	-	Yes	II A	External	Registered
13	Mrs. Megha Sanket Upadhye	-	Yes	GM	External	Enrolled
14	Mr. K. Raghunandan	-	Yes	III A	External	Enrolled
15	Mrs. M.H. Arpitha	-	Yes	III A	External	Enrolled
16	Mr. Omar Farooq	-	Yes	II A	External	Enrolled

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	Poornima Devi 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

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 2014. The effects of chitosan fertilizer on growth and disease resistance of *Begonia hiemalis* Fotsch.
2. Acta Agriculturae Scandinavica, Section B - Plant Soil Science 2014. Effect of zoysiagrass rhizosphere fungal isolates on disease suppression and growth promotion of rice seedlings.
3. Antioxidant studies of methanolic extract and active fraction obtained from *Ichnocarpus frutescens*. M. Srujana and N. Lakshmidēvi 2016. Department of Studies in Microbiology, Manasagangotri, Mysore 570 006, Karnataka, India.
4. Phytochemical screening and mic determination of different extracts of *Ichnocarpus frutescens*, M. Srujana and N. Lakshmidēvi 2016. Department of Studies in Microbiology, Manasagangotri, Mysore 570 006, Karnataka, India.

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