

CURRICULUM VITAE

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PERSONAL INFORMATION

Date of birth: June 07, 1950
Nationality: Indian

EDUCATION

Ph.D., (Botany)		1981	University of Madras
Title of thesis: <i>Protection studies in Fusarium wilt of cotton</i>			
Diploma	German	1978	University of Madras
M.Sc.,	Botany	1974	University of Madras

TEACHING EXPERIENCE

Since 1980-81 Academic year onwards: PG & Research Department of Botany, Ramakrishna Mission Vivekananda College, Chennai 600 004. Teaching Mycology, Plant Physiology, Plant Ecology and Plant Pathology.

RESEARCH EXPERIENCE

27 years research experience in Mycology. Supervised the research work of 23 M.Phil. students

2006-2009. **Co-Investigator in research project:** submitted to Department of Ocean Development and Research (Government of India) for research grants for the project ***Biodiversity of microfungi associated with seagrasses and seaweeds of Tamil Nadu coast and Kavaratti islands of Lakshadweep.***

1987-1990. **Co-Investigator in research project:** Ministry of Environment & Forests (Government of India) sanctioned research project ***Studies on the occurrence of microflora in oil-stressed soils of a petroleum refinery.***

MEMBERSHIP IN SCIENTIFIC SOCIETIES

Mycological Society of India
Madras Science Foundation

PUBLICATIONS

Published 20 research papers in National and International Journals
Published 1 book chapter and abstracts in 10 symposium proceedings.

LIST OF PUBLICATIONS

1. Ravishankar, J.P., Suryanarayanan, T.S. and Muruganandam, V. Strategies for osmoregulation in the marine fungus *Cirrenalia pygmea* Kohl. (Hyphomycetes) (2006). *Indian Journal of Marine Sciences* **35**:351-358.
2. Suryanarayanan, T.S., Senthilarasu, G. and Muruganandam, V. (2000) Endophytic fungi from *Cuscuta reflexa* and its host plants. *Fungal Diversity* **4**: 119-125.
3. Girivasan, K.P., Rajagopal, K., Muruganandam, V. and Suryanarayanan, T.S. (1998) Isolation of fungi from tropical peat of Southern India. *Current Science* **74**: 359-360.
4. Suryanarayanan, T.S., Muruganandam, V., Rajagopal, K. and Girivasan, K.P. (1996) Soil mycoflora of a commercially operated solar saltern. *Kavaka* **24**: 11-13.
5. Ravishankar, J.P., Muruganandam, V. and Suryanarayanan, T.S. (1996) Effect of salinity on amino acid composition of the marine fungus *Cirrenalia pygmea*. *Current Science* **70**: 1087-1089.
6. Ravishankar, J.P., Muruganandam, V. and Suryanarayanan, T.S. (1995) Isolation and characterization of melanin from a marine fungus. *Botanica Marina* **38**: 413-416.
7. Ravishankar, J.P., Muruganandam, V. and Suryanarayanan, T.S. (1994) Effect of salinity on fatty acid composition of *Cirrenalia pygmea*, an obligate marine fungus. *Botanica Marina* **37**: 479-481.
8. Muruganandam, V., Venkatachalam, V. and Suryanarayanan, T.S. (1991) Potassium enhances thigmotropically stimulated appressorium formation in *Colletotrichum capsici*. *Cryptogamie Mycologie* **12**: 155-159.
9. Ravishankar, J.P., Suryanarayanan, T.S. and Muruganandam, V. (1990) Respiratory metabolism and hyphal morphogenesis in *Botryodiplodia theobromae*. *Comparative Physiology and Ecology* **15**: 85-86
10. Suryanarayanan, T.S., Muruganandam, V. and Srinivasan, E. (1990) An ecological study of fungi occurring in sludge and oil saturated soils of a petroleum refinery. *Pollution Research* **8**: 117-122.
11. Muruganandam, V., Suryanarayanan, T.S. and Rajendran, V. (1989) Studies on factors affecting branching potential of *Polyporus versicolor* L. ex. Fr. *Comparative Physiology and Ecology* **14**: 109-112.

12. Suryanarayanan, T.S. and Muruganandam, V. (1989) Ultraviolet radiation and hyphal morphogenesis. *Indian Botanical Reporter* **8**: 145-148.
13. Suryanarayanan, T.S., Muruganandam, V. and Sampath, G. (1987) Effect of congo red on hyphal morphogenesis and sporulation of *Botryodiplodia theobromae* Pat. *Canadian Journal of Botany* **65**: 815-816.
14. Muruganandam, V., Suryanarayanan, T.S. and Venkatachalam, S. (1987) Formation of infection structure in *Colletotrichum capsici* as influenced by nitrogen sources and cellophane. *Current Science* **56**: 674-675.
15. Suryanarayanan, T.S. and Muruganandam, V. (1986) Root-knot of *Acalypha indica* caused by *Meloidogyne* sp. *Comparative Ecology and Physiology* **11**: 119-120.
16. Suryanarayanan, T.S. and Muruganandam, V. (1986) Effect of altered surface tension on hyphal morphogenesis in some fungi. *Current Science* **55**: 865-866.
17. Muruganandam, V., Suryanarayanan, T.S. and Suresh, R. (1986) Effect of industrial air pollutants on the distribution of stomata in plants. *Comparative Physiology and Ecology* **11**: 74-76.
18. Muruganandam, V. and Suryanarayanan, T.S. (1985) Effect of petrochemical effluents on the germination of legumes. *Bulletin of Pure and Applied Sciences* **4**: 13-15.
19. Suryanarayanan, T.S. and Raghuraman, M.K. (1985) Influence of some artificial surfaces on the hyphal differentiation of *Rhizoctonia solani* Kuhn. *Microbios Letters* **28**: 113-115.
20. Suryanarayanan, T.S. and Muruganandam, V. (1985) Utilization of hydrocarbons by *Aspergillus proliferans*. *Science and Culture* **51**: 52-53.

BOOK CHAPTER

Suryanarayanan TS, Muruganandam V, Rajamurugan J. and Prakash G. 1991. Biodegradation of petroleum hydrocarbons by filamentous fungi. In *Fungi and Biotechnology-Recent Advances* (ed. H.C. Dube): pp. 127-135. Today and Tomorrow's Printers and Publishers, New Delhi.

PAPERS ABSTRACTED IN PROCEEDINGS OF SYMPOSIA/SEMINARS

1. Govindarajulu, M.B., Muruganandam, V. and Suryanarayanan, T.S. (2006) Fungal endophytes of *Capsicum annum* L. National Seminar on Fungal Biodiversity, Biotechnology and Bioinformatics, Bangalore, India.
2. Muralidharan, R., Ravishankar, J.P. and Muruganandam, V. (2006) Fungal endophytes of some mangrove plants and some mangrove associates. National Seminar on Fungal Biodiversity, Biotechnology and Bioinformatics, Bangalore, India.
3. Suryanarayanan, T.S., Muruganandam, V. and Jayaganesh, K. (2004) Studies on foliar and floral endophytes of some dicot plants. *National Symposium on Recent trends in Biology, Biodiversity and Biotechnology of Fungi*, Chennai, India.
4. Suryanarayanan, T.S., Muruganandam, V., Poornalingam, S., Venkatesan, G. and Murali, T.S. (2003) Distribution of endophytes in whole leaves of dicot trees: Are all tropical forests hyper-diverse? *National Symposium on Prospecting of fungal diversity and emerging technologies*, Pune, India.
5. Ravishankar, J.P., Suryanarayanan, T.S. and Muruganandam, V. (1999) Turgor regulation in a marine fungus: the role of polyols. *Mycological Society of India Symposium*, India.
6. Ravishankar, J.P., Suryanarayanan, T.S. and Muruganandam, V. (1999) Studies on the growth and sporulation of some marine fungi. *International Symposium on Tropical Mycology*, Chennai, India.
7. Ravishankar, J.P., Muruganandam, V. and Suryanarayanan, T.S. (1995) Mechanisms of response to salinity in manglicolous fungus *Cirrenalia pygmaea* Kohlmeyer. *VI International Marine and Freshwater Mycology Symposium*, Portsmouth, UK.
8. Suryanarayanan, T.S. and Muruganandam, V. (1990) *In vitro* growth of *Paecilomyces variotii* on crude oil. *Indian Science Congress*, India.
9. Suryanarayanan, T.S. and Muruganandam, V. (1988) On the occurrence of mycoflora in oil-stressed soils of a petroleum refinery. *Indian Science Congress*, India.
10. Suryanarayanan, T.S. and Muruganandam, V. (1986) On the mechanism of cellophane-induced branching in pathogenic fungi. *Mycological Society of India Symposium*, India.