

VINSTROM Progress Report (April 2012 to March 2013)

PAPERS PUBLISHED:

Govinda Rajulu, M.B., Thirunavukkarasu, N., Babu, A.G., Aggarwal, A. , Suryanarayanan, T.S. and Reddy, M.S. 2013. Endophytic Xylariaceae from the forests of Western Ghats, southern India: distribution and biological activities. *Mycology: An International Journal on Fungal Biology* DOI:10.1080/21501203.2013.776648.

Sachin N, Manjunatha BL, Mohana Kumara P, Ravikanth G, Shweta S, Suryanarayanan TS, Ganeshiah KN, Uma Shaanker R. 2013. Do endophytic fungi possess pathway genes for plant secondary metabolites? *Current Science* 104: 178-182

Suryanarayanan T.S. 2012. Peer review or mere formality? *Current Science* 103:871.

Suryanarayanan T.S. 2012. The diversity and importance of fungi associated with marine sponges. *Botanica Marina* 55: 553–564.

Thirunavukkarasu, N., Suryanarayanan, T.S., Girivasan, K.P., Venkatachalam, A., Geetha, V., Ravishankar, J.P., and Doble, M. 2012. Fungal symbionts of marine sponges from Rameswaram, southern India: species composition and bioactive metabolites. *Fungal Diversity* 55:37-46.

Suryanarayanan, T.S., Thirunavukkarasu, N., Govinda Rajulu, M.B. and Gopalan, V 2012. Fungal endophytes: An untapped source of biocatalysts. *Fungal Diversity* 54:19–30.

CHAPTERS IN BOOKS

Suryanarayanan, T.S. 2012. Fungal Endosymbionts of Seaweeds: C. Raghukumar (ed.), In *Biology of Marine Fungi, Progress in Molecular and Subcellular Biology* 53, Springer-Verlag, Berlin Heidelberg, pp 53-69.

Symposia:

Thirumalai E, Dastjerdi R, Döll K, Venkatachalam A, Karlovsky P, Suryanarayanan TS. 2013. Mycotoxins of endophytic *Fusarium mangiferae* and *F. pallidoroseum* from betel leaves (*Piper betle* L.). Poster presented at the 35th Mycotoxin Workshop, Ghent, Belgium, 22-24 May, 2013.

Suryanarayanan, T.S., Devarajan, P.T., Girivasan, K.P., Govinda Rajulu, MB, Mohandoss, J. and Thirunavukkarasu, N. 2013. Endophyte research: some gaps which need filling up. National seminar on current perspectives of Fungi in Health Care and Environment, Bangalore University, India, 13-14 March, 2013..

Suryanarayanan, T. S, Doble, M., El Gueddari, N. E., Gopalan, V., Govindarajulu, M. B., Moerschbacher, B.M., Money, N. P., Murali, T. S., Sahal, D., Sasse, F., Sukumar, R.,

Thirunavukkarasu, N and Vidal, S. 2012. Fungal endophytes: an ecological group with high technological potential. International conference on Endophytes in biotechnology and agriculture, Foundation Edmund Mach, COST Meeting Trento, Italy.

Other Duties:

Served as a member of The Ohio State University's Fulbright review panel, Oct. 3rd, 2012.

Invited Talks by T. S. Suryanarayanan:

Delivered an invited Keynote address at the Intergovernmental Framework for European Cooperation in Science & Technology (COST Action FA1103), organized by Fondazione Edmund Mach, Trento, Italy Nov. 2012.

"Endophytes - less known but important component of fungal diversity" at Salim Ali Centre for Ornithology & Natural History (SACON), Coimbatore on 19.02.2013.

"Ethics in research" at convention on Post Research Methods, Avinashilingam University, Coimbatore, 13th September 2012.

"Amazon - a naturalist's pilgrimage" at the Refresher Course in Plant Sciences, PSGR Krishnamal College, Coimbatore, 27th Nov. 2012.

Research Projects:

Ongoing

2011-2014 – Indo–German Collaborative Project (in collaboration with University of Goettingen, Germany) - Department of Biotechnology (Government of India) research grant for the project "**The potential of fungal endophytes as biocontrol organisms**". (Rs. **36.59** lakhs)

2012-2015 – Department of Biotechnology (Government of India), research grant for the project "**Endophytic fungi of endemic plants of Arunachal Pradesh: Diversity and novel metabolites**". (Rs.**19.42** lakhs)

Seminar:

A One day seminar on insect, fungi, and plant association was conducted on 14.04.12. It was inaugurated by the Chairman, Swami Shukadevananda and the invited speaker was Prof. Dr. Stefan Vidal, Georg-August-University, Goettingen, Germany.