

## VINSTROM - ANNUAL REPORT 2017

### Lectures delivered by T. S. Suryanarayanan:

Delivered a lecture "Biomass to biofuels: Possible roles for endophytes" at the 44th annual Meeting at Mycological Society of India organised by Department of Botany, University of Jammu, Jammu & Kashmir, on 16-18 November 2017.

### Papers published:

Thirunavukkarasu N, Suryanarayanan T.S., Rajamani T and Paranetharan M. S. 2017. A rapid and simple method for screening fungi for extracellular protease enzymes. *Mycosphere*, 8: 131-136.

Suryanarayanan, T. S. 2017. Fungal endophytes: An eclectic review – Presidential Address. *Kavaka* 48: 1-9

Suryanarayanan, T. S., Govinda Rajulu, M. B. and Vidal, S. 2016 -17. Biological control through fungal endophytes: Gaps in knowledge hindering success. *Current Biotechnology*. 5 DOI : 10.2174/2211550105666160504130322.

Raman, A. and Suryanarayanan, T. S. 2017. Fungus–plant interaction influences plant-feeding insects. *Fungal Ecology*. 29, 123-132 .

Thirunavukkarasu N, Suryanarayanan T.S., Rajamani T and Govinda Rajulu, M. B. 2017. Diversity and technological potential of fungi from solar salterns of southern India. *Kavaka*. 48:26-32

Suryanarayanan, T. S. and Thirunavukkarasu, N. T. 2017. Endolichenic fungi: the lesser known fungal associates of lichens. *Mycology*: DOI:10.1080/21501203.2017.1352048.

Sengupta, A., Zabala, A., Tan, S. Y., Broadstock, A., Suryanarayanan, T. S. and Venkat Gopalan. 2017. Characterization of an ionic liquid-tolerant  $\beta$ -xylosidase from a marine-derived fungal endophyte. *Biochemistry and Cell biology* DOI: 10.1139/bcb-2017-0053.

Suryanarayanan, T. S., Govinda Rajulu, M. B. Rajamani, T., Manish Tripathi and Yogesh Joshi. 2017. Endolichenic fungi in lichens of Champawat district, Uttarakhand, northern India. *Mycol. Prog.* 16: 205-211.

### Research Project:

2017-2020 – Indian Partner of Indo-European INNO-INDIGO joint research Project (with partners from Finland, Germany and Estonia) "IndZyme: Novel inhibitor-resistant lignocellulolytic enzymes from Indian fungal resources."