

List of publications (2010 onwards)

1. Mahadevan C, Krishnan A, Saraswathy GG, Surendran A, Jaleel A and Sakuntala M (2016). Transcriptome- Assisted Label-Free Quantitative Proteomics Analysis Reveals Novel Insights into *Piper nigrum*—*Phytophthora capsici* Phytopathosystem. *Front. Plant Sci.* 7:785. doi: 10.3389/fpls.2016.00785
2. Mahadevan, C., Jaleel, A., Deb, L., Thomas, G., & Sakuntala, M. 2015. Development of an efficient virus induced gene silencing strategy in the non-model wild ginger-*Zingiber zerumbet* and investigation of associated proteome changes. *PLoS One*. 2015; 10(4): e0124518.
3. Anu Krishnan, Chidambareswaren Mahadevan, Tomson Mani, and Manjula Sakuntala. 2015."Virus-induced gene silencing (VIGS) for elucidation of pathogen defense role of serine/threonine protein kinase in the non-model plant *Piper colubrinum* Link." *Plant Cell, Tissue and Organ Culture*: DOI 10.1007/s11240-015-0764-9
4. Anu K, Jessymol K K, Chidambareswaren M, Gayathri GS and Manjula S. 2015. "Down-regulation of osmotin (PR5) gene by virus-induced gene silencing (VIGS) leads to susceptibility of resistant *Piper colubrinum* Link. to the oomycete pathogen *Phytophthora capsici* Leonian. " *Indian Journal of Experimental Biology* 53 (2015): 329-334.
5. R. Nisha Nair, M, Chidambareswaren and S. Manjula. 2014. Enhanced Heterologous Expression of Biologically Active Human Granulocyte Colony Stimulating Factor in Transgenic Tobacco BY-2 Cells by Localization to Endoplasmic Reticulum. *Mol Biotechnol* DOI 10.1007/s12033-014-9765-x
6. Tomson Mani, K.C.Sivakumar and S.Manjula. 2012. Expression and Functional Analysis of Two Osmotin (PR5) Isoforms with Differential Antifungal Activity from *Piper colubrinum*: Prediction of Structure–Function Relationship by Bioinformatics Approach. *Mol.Biotechnol.* DOI 10.1007/s12033-011-9489-0
7. Jisha S, Anith KN and S.Manjula 2012. Induction of root colonization by *Piriformospora indica* leads to enhanced asiaticoside production in *Centella asiatica*. *Mycorrhiza* 22:195–202
8. Tomson Mani and S.Manjula. 2011. Optimization of *Agrobacterium* mediated transient gene expression and endogenous gene silencing in *Piper colubrinum* Link. by vacuum infiltration. *Plant Cell Tissue and Organ Culture* 105:113–119 DOI: 10.1007/s11240-010-9836-z
9. S.Jisha, S.Sreeja and S.Manjula. 2011. In vitro & in vivo estrogenic activity of glycoside fractions of *Solanum nigrum* fruit. *Indian J Med Res* 134, September 2011, pp 369-374.

10. T. Mani and S. Manjula.2010.Cloning and characterization of two osmotin isoforms from *Piper colubrinum*. *Biol.Plantarum* 54 (2): 377-380