



PUBLICATIONS OF RESEARCH PAPERS

Year 2014

Bal, P., Panda, P. C. & Mohapatra, U. B. (2014). Genetic diversity and phylogenetic relationships in *Pterocarpus* species and its closely related genus *Tipuana* (Fabaceae) as revealed by RAPD and ISSR markers. *Plant Sci. Res.* 35 (1&2): 57-65.

Basak UC, D. Dash, GJP Jena and AK Mahapatra (2014). New technique for adventitious rooting and clonal propagation of *Piper longum* L. (pippali) through leaf cuttings. *Afr. J. Pl. Sci.* 8(2):108-112.

Behera, D.R., Sunita Bhatnagar and A. K. Mahapatra. (2014). Cytotoxic and radical scavenging potential of Indian almond (*Terminalia catappa*) leaf extracts *British Biomedical Bulletin*, 2(1),031-039.

Bhatnagar S and Jyoti Nayak(2014). Phytochemical screening and bioevaluation of *Indigofera astragalina* L. *Advances in Plant Sciences*, 27(I) 139- 141.

Dash,R.R., Soumya Ranjan Pattanaik, Shakti Ketan Prusty, Sunita Bhatnagar(2014)Anti-oxidant and Cytotoxic Activities of Leaf and Bark Extracts of *Clerodendrum Indicum*.(L.)Kuntze. *American Journal of Pharmatech Res.* 4(3), 1-8.

Kalidass C & A.K. Mahapatra. (2014). "Evaluation of the proximate and phytochemical compositions of an underexploited legume *Mucuna pruriens* var. *utilis* (Wall ex Wight) L.H.Bailey". *International Food Research Journal.* 21(1): 303 – 308.

Kalidass C. (2014). Genus *Cardamine* L. (Brassicaceae) - A new record for Odisha. *Journal Economic Taxonomic and Botany*, 38 (3&4): 650 – 651.

Kottaimuthu R. & Kalidass C (2014). Genus *Monothecium* Hochst (Acanthaceae) - A new record for Eastern Ghats. *Journal Economic Taxonomic and Botany*, 38(1): 98-99.

Kottaimuthu R. & Kalidass C. (2014). *Physalis pruinosa* L. (Solanaceae): Addition to the flora of Tamil Nadu. *Indian Journal of Forestry.* 38 (1): 77 – 78.

Kottaimuthu, R. & Kalidass C. (2014). *Thunbergia coccinea* Wall. ex D.Don (Acanthaceae): A new record for south India. *Journal Economic Taxonomic and Botany*, 38 (4): 652 – 654.

Kottaimuthu, R. Kalidass C. & N. Vasudevan (2014). *Hydnocarpus pentandra* (Buch.-Ham) Oken (Flacourtiaceae): A vulnerable medicinal plant as a new record for Eastern Ghats, India. *Journal Economic Taxonomic and Botany*, 38 (3): 392 – 394.

Mishra S. and Gupta N. (2014) .Inducers for enhanced production of lipase by streptomycetes isolated from mangrove ecosystem. *Int.J.Curr.Microbiol.App.Sci* (2014), 3(11):370-376.

Mishra S. and Gupta N. (2014). Development of modified medium for enhanced production of lipase by *Streptomyces halstedii* strain ST 70 obtained from Bhitarkanika mangroves. *International Journal of Biotech Trends and Technology (IJBT)*, vol 7 (1) :1-7.

Mohapatra M and UC Basak (2014). Assessment of Embelin in fruits of *Embelia tsjeriamcottam* A. DC., a threatened medicinal Plant of Odisha, India. *Am. J. PharmTech Res.*4(4):212-221.

Mohapatra M and UC Basak (2014). Macropropagation of *Operculina turpethum* (tihudi), a red-listed medicinal plant of Odisha. *Int. J. Curr. Res.*6(11):9488-9493.

Patnaik M and UC Basak (2014). Enzymatic antioxidant activities in eight wild edible fruits of Odisha. *Trop. Pl. Res.*1 (3):36-42.

Patro, K. R. , U.C. Basak , A. K. Mohapatra and N. Gupta (2014): Development of new medium composition ofr enhanced production of L-asparaginase by *Aspergillus flavus*. *J. of Environmental Biology* , 35(1) 295-300.

Patro, K. R. and N. Gupta (2014). Impact of cultural and nutritional conditions on L-asparaginase production by *Penicillium citrinum*. *J. Pharma medicine and biological sciences.* ,3(3): 114-120.

Rajoriya A and Gupta N. (2014). Impact of different substrates and media on radical scavenging activity of liquid culture of three species of *Russula*, an edible mushroom of Odisha. *International Journal of Preclinical and Pharmaceutical Research*; 5(2): 88-89.

Rajoriya A, Panda A, Gupta N. (2014). Comparative evaluation of nutritional, biochemical and enzymatic properties of mycelium of two *Pleurotus* species. *Tropical Plant Research*; 1(3): 22-26.

Rajoriya A, Tripathy SS, Gupta N. (2014). Nutritional and biochemical characterization of different parts of *Termitomyces eurhizus* from the Odisha. *International Journal of Phytotherapy*; 4(3): 136-138.

Rout P and UC Basak (2014). Antioxidant properties in leaf and root extracts of some medicinally important mangrove species of Odisha coast. *Am. J. PharmTech Res.*4 (4):605-617.

Rout P and UC Basak (2014). Evaluation of antinutritional factors in sixteen wild edible fruits of Odisha, India. *Int. J Curr. Sci.* 13:E34-42.

Rout P and UC Basak (2014). Salinity and proline induced changes in protein profile during artificial ex vitro multiple shoot induction in hypocotyls of some *Rhizophoraceae* mangroves of Odisha. *Int. J Curr. Res.* 6(9):8578-8582.

Sabat , J. and N.Gupta (2014). Antifungal properties of solvent extracts of liquid cultures of *Penicillium steckii* against dieback and verticillium pathogenic fungi of rose. *J. of Pharmacological screening methods*, 4(3):119-122.

Sahoo HR, Gupta N. (2014). Evaluation of phosphate solubilising potential of some endophytic fungi under solid and liquid state. *BMR microbiology* 1(1): 1-6.

Sahoo HR, Sahoo P, Gupta N. (2014). Extracellular enzymatic potential and antimicrobial activity of endophytic fungal isolates from *Operculina turpethum*- an endangered medicinal plant. *BMR microbiology* 1(1): 1-7.

Sahoo, S.R., Rashmi Ranjan Dash and Sunita Bhatnagar(2014). Phytochemical screening and bioevaluation of medicinal plant *Stachytarpheta indica*(L.)Vahl. *Pharmacology and Toxicology research*, 2, 1-5.

Sahu S., S. Dash and Gupta N. (2014) . Growth of Palya grown in pot culture of different soil compositions. *Tropical Plant Research* , 1 (3) : 87-88.

Tripathy S.S, Rajoriya A, Gupta N. (2014). Nutritive properties and antioxidative activity of *Amanita caesarea* and *A. loosii* wild edible mushrooms from Odisha; *International Journal of Innovative Drug Discovery*; 4(3):124-129.

Tripathy SS, Mahapatra AK, Gupta N. (2014). Occurrence of ectomycorrhizal fungi in different forests of Odisha. *Mycorrhiza News*; 26(2): 5-8.

Tripathy SS, Rajoriya A, Gupta N. (2014). Wild indigenous mushrooms as a source of food from different forest divisions of Odisha. *Journal of Pharmaceutical Biology*; 4(3): 138-147.

Tripathy SS, Rajoriya A, Gupta N. (2014). Wild mushrooms of Odisha: Prospective candidates of antioxidant sources. *Advances In Plants and Agriculture Research*; 1(4): 21-27.