

## Research Papers

Ahlawat OP, Pardeep Gupta, Manikandan K and Sharma DK. 2012. Bioremediation potential of button mushroom spent substrate against cadmium and lead under pilot scale experimentation. *Mushroom Research* 21 (2): 137-144.

Atri, NS, Kumari Babita, Upadhyay, RC. 2013. *Chlorolepiota brunneotincta* new species (Agaricaceae) from India. *Turkish Journal Of Botany*.38:1-4.

Atri, NS, Kumari Babita and Upadhyay RC. 2012. Nutritional and Pharmaceutical prospects of wild edible macrolepiotoid mushrooms. *Int. J. Med. Mush.* 14(5): 471-479.

Gautam Neha, Sharma Nivedita and Ahlawat OP. 2013. Purification and Characterization of Bacteriocin Produced by *Lactobacillus brevis* UN Isolated from Dhulliachar: a Traditional Food Product of North East India. *Indian J Microbiol*: DOI 10.1007/s12088-013-0427-7.

Kamal, Shwet, Upadhyay RC, Ahlawat OP and Singh Manjit. 2012. Effect of phosphate supplementation on growth and extracellular enzyme production by some edible mushrooms. *Mushroom Research* 21 (1) : 23-33.

Kumari, Babita, Atri NS and Upadhyay, RC. 2013. Three new species of basidiomycetous fungi from India. *Turkish Journal of Botany*. 37: 1- 7

Kumari, Babita, Upadhyay, RC and Atri NS. 2012. Evaluation of Nutraceutical components and antioxidant potential of culinary –medicinal termitophilous mushrooms. *International Journal of Medicinal Mushroom* 15 ( 5) : 191- 197.

Prasad, Ram, Kamal Shwet, Sharma P, Varma Ajit, and Ralf Oelmuller. 2013. Root endophyte *Piriformospora indica* DSM 11827 alters plant morphology, enhances biomass and antioxidant activity of medicinal plant *Bacopa Monniera*. *J Basic Microbiology* 53(12): 1016-1024.

Reddy, MS, Kumari Deepika and Upadhyay, RC. 2014. New records of *Cantharellus* species from the northwestern Himalayas of India. *Mycology*,1-16

Sharma, VP, Kumar Raj,.Gupta RK, Kumar Satish and Singh Rajender. 2013. Optimizations of parameters for quality spawn production. *Mushroom Research* 21(1): 31-36.

Sharma, VP, , Kumar Satish, Kumar Raj, Singh Rajender and Verma Deepa. 2013. Cultural requirements, enzyme profile, molecular identity and yield potential of some potential strains of shiitake (*Lentinula edodes*). *Mushroom Research* 22(2): 105-110.

Singh R, Ahlawat OP and Rajor A. 2013. Potential of spent substrate of *Pleurotus sajor-caju* for Methyl Violet 2B decolourization. *Journal of Pure and Applied Microbiology* 7(2): 1099- 1106.

Vijay, B, Sharma Nitika and Kamal Shwet. 2012. Cellulase production by *Scytalidium thermophilum* and its potential use in rapid composting for *Agaricus bisporus*. *Mushroom Research* 21 (1) : 83-86.

## Papers presented in seminar/symposia

Ahlawat OP, Vijay B and Manikandan, K. 2013. Breaking yield barrier in button mushroom (*Agaricus bisporus*) by managing watering regime and through physical/ biological means. In National Mushroom Conference- 2013, April 16-17, 2013 at PAU, Ludhiana.

Ahlawat OP, Manikandan, K and Singh Manjit. 2013. Nutritional composition variation in different mushroom species: Role of UV light in vitamin D content of paddy straw mushroom. In National Mushroom Conference-2013, April 16-17, 2013 at PAU, Ludhiana.

Atri, NS, Kumari Babita, Upadhyay, RC. 2013. Systematics and evaluation of termitophilous mushrooms from India. National symposium on Mushrooms for medicinal value and Nutritional security under changing climatic conditions, Dec 27-28, 2013, Dr Y.S.P. Uni Hort and Forestry, pp1-2

Gautam Y and Kumar S 2013. Framework for mushroom information dissemination through ICT in India. In: Proceeding of Indian Mushroom Conference held at PAU Ludhiana w.e.f.16-17 April, 2013. Abstract No. 81.

Kamal, Shwet and Manjit Singh. 2013. Genetic variability in single spore isolates and hybridization in *Agaricus bisporus*. Proceedings of Indian Mushroom Conference 2013. pp 30.

Kumar, Satish, Kamal Shwet, Sharma VP and Dass. Lulu. 2013. Physiological studies and molecular characterization of *Hypoxylon* sp. parasitizing honey bees. In: Proceeding of Indian Mushroom Conference held at PAU Ludhiana w.e.f.16-17 April, 2013. Abstract No. 33: 24.

Kumar, Satish, Upadhyay, RC and Sharma VP. 2013. Insect and nematode pests affecting *Macrocybe* cultivation. In: Proceeding of Indian Mushroom Conference held at PAU Ludhiana w.e.f.16-17 April, 2013. Abstract No. 83:82.

Kumar, Satish and Sharma VP. 2013. Integrated pests and disease management in Mushrooms- a review. In: Proceeding of National symposium on "Mushrooms for Medicinal Value and nutritional Security under changing climatic conditions " held at Dr YSP University of Horticulture and Forestry Nauni w.e.f Dec. 27-28, 2013. Abstract No. 36 :19.

Manikandan. K, Ahlawat OP and Vijay B. 2013. Significance of Nitrogen in Button Mushroom Cultivation. In National Mushroom Conference-2013, April 16-17, 2013 at PAU, Ludhiana.

Manikandan. K, Ahlawat OP, Vijay B, Sharma VP, Kumar Satish and Shirur M. 2013. Quality Standards for Mushrooms Production and Processing. In: Proceeding of Indian Mushroom Conference held at PAU Ludhiana w.e.f.16-17 April, 2013.

Manikandan. K. and Sharma, Rajeev. 2013. Indian mushroom diversity database: an ICT initiative. In national symposium on medicinal value and nutritional security under changing climatic conditions held at Dr YSP University of Horticulture and Forestry Nauni w.e.f Dec. 27-28, 2013. Abstract No. 40: 21.

Sharma, VP, Kumar Satish, Singh Rajender and Kumar Raj. 2013. Coprinellus bisporus: an aggressive, competitor of button mushroom during rainy season cultivation. In: Proceeding of Indian Mushroom Conference held at PAU Ludhiana w.e.f.16-17 April, 2013 Abstract No. 84: 63.

Sharma, VP, Kumar Satish, Kumar Raj, Singh Rajender and Verma Deepa. 2013. Cultural requirements, enzyme, molecular identity and yield potential of some potent strains of shiitake ( Lentinula edodes). In: Proceeding of Indian Mushroom Conference held at PAU Ludhiana w.e.f.16-17 April, 2013. Abstract No. 56: 48.

Sharma, VP. and Kumar Satish. 2013. Present Status of wet bubble disease in India. In: Proceeding of National symposium on “Mushrooms for Medicinal Value and nutritional Security under changing climatic conditions” held at Dr YSP University of Horticulture and Forestry Nauni w.e.f Dec. 27-28, 2013. Abstract No. 16:9.

Sharma, VP, Kumar Raj, Singh Rajender and Kumar Satish. 2013. Effect of spawn storage on yield of different mushrooms. In: Proceeding of National symposium on “Mushrooms for Medicinal Value and nutritional Security under changing climatic conditions “ held at Dr YSP University of Horticulture and Forestry Nauni w.e.f Dec. 27-28, 2013. Abstract No. 26:14

Singh, Rajender, Sharma, VP and Kumar Raj. 2013. Intellectual property management in mushroom research and present status of patents available in open access resources .In: Proceeding of Indian Mushroom Conference held at PAU Ludhiana w.e.f.16- 17 April, 2013 Abstract No. 118: 83.

Singh R, Ahlawat OP and Rajor Anita. 2013. Bioremediation of synthetic dyes by spent substrate of edible mushroom species. In National Mushroom Conference-2013, April 16-17, 2013 at PAU, Ludhiana.

Upadhyay, RC. 2013. Mushroom Biodiversity of Himalayas and their conservation. National conference on Biodiversity Conservation: Embracing our future ,preserving our past,27-28 Sept,2013, The IIS University, Jaipur.

Upadhyay, RC, Dohroo Aradhna, Tirmali A, Kamal Shwet and Singh Manjit. 2013. Isaria sinclairii – a new entomogenous fungus for India. Abstract for the Indian Mushroom -2013 conference at PAU, Ludhiana ,16-17 April, 2013.

### **Book chapter**

Kannan, P, Manikandan K and Ponmani S. 2013. Non Edible Oilcake: A Novel Approach For Soil Health Management. In: Role of tree borne oil seeds byproducts for pest, disease and soil management under organic agriculture. Pub: Dry land agriculture research station, TNAU, Coimbatore, Tamil Nadu.

### **Book**

BC Suman, Kumar Satish and Gupta Dharmesh. 2013. खुम्ब की खेती, Published by Indian Mushroom Growers Association, Chambaghat, Solan (HP). p 72.