

LIST OF PUBLICATION 2009-10 (BIOCHEMISTRY)

1. Sapna, Jain Sunita, Jain Veena and Rathi AS (2009). Changes in antioxidative pathway enzymes in Indian mustard leaves due to white rust infection. *Indian phytopathol.* 62: 499-505
2. Mondal Koushik, Malhotra Sarla P., Jain Veena and Singh Randhir (2009). Partial purification and characterization of pectinmethylesterase from ripening guava (*Psidium guajava* L.) fruits. *Acta Physiol. Plant.* 31: 81-87.
3. Goyal SC, Singh Rohtas and Jain Veena (2009). Differential expression of specific proteins during in vitro organogenesis in *Chlorophytum borivillianum* sant et fernand. *J. Indian Botanical Soc.* 88 : 1-5.
4. Mondal Koushik, Malhotra Sarla P, Jain Veena, and Singh Randhir (2009). Oxidative stress and antioxidant systems in guava (*Psidium guajava* L.) fruits during ripening. *PMBP* 15: 327-334
5. Chopra, D.S and Sarla P Malhotra (2009) Structural Hierarchy of proteins. ICAR Winter School on Bioinformatics for Agricultura Sciences. pp 21-30. A Book Chapter.
6. Mondal, K.; Malhotra, Sarla. P. Jain, V and Singh R. (2009) Oxidative stress and antioxidative system in guava (*Psidium guajava* L) fruit during ripening. *Physiol. Mol. Biol. Plants* 15 (4): 327-334.
7. Singal, P, Sindhu, A, Nehra, KS and Singal HR (2009). Partial purification and characterization of sucrose synthase from immature rice (*Oryza sativa* L.) grains. *Res. On Crops* 10(3): 743-749.
8. Tokas, Jayanti and Gautam Kaul. (2009). Detection of CD9 antigen on buffalo spermatogonial stem cells. *Indian Veterinary Journal.* 86 : 1135-1137.
9. Tokas, Jayanti and Gautam Kaul. Cryopreservation of buffalo (*Bubalus Bubalis*) spermatogonial stem cells. *Revista Veterinaria. Rev. Vet.* 21: 1, 2010 – ISSN 1668-4834 (on line : ISSN 1669-6840). April 2010.
10. Maheshwari, P; Mishra, BK Kumar, Sunil and A Doshi (2009). Cellulolytic enzyme profile of different mushrooms species on maize residue. *Environ. Ecol.* 27(2): 689-691.
11. Dama, CL Kumar, Sunil and Sharma, V (2009). Comparative biochemical and biophysical evaluation of eco-friendly mushrooms of Rajasthan. *Environ. Ecol.* 27(3A): 1405-1409.
12. Kumar, Sunil (2009) Computation of moisture based equation for determination of energy of low and high fat foods. *Curr. Biotica* 3(2): 194-219.

13. Mishra, BK Jain, NK Kumar, Sunil Doharey DS and KC Sharma (2009). Shelf life studies on potato and tomato under evaporative cooled storage structure in Suothern Rajasthan. *J. Agric. Engg.* 46(3): 26-30.
14. Doharey, DS Jain NK and Kumar, Sunil (2009). Fluidized and convective drying kinetics of onion slices. *J. Agric. Engg.* 46(3): 14-19.
15. KC Sharma, NK Jain, BK Mishra and Sunil Kumar (2010). Bio - efficacy of plant products of custard apple (*Annona squamosa* L.) against pulse beetle, *Callosobruchus maculatus* L. *Indian J. Appl. Ent.* 29(1): 1-4.
16. Gupta, P., Singh, R., Malhotra, Sarla. P, Boora, K.S., and Singal, H.R. (2010). Seed storage proteins characterization in high protein genotypes of cowpea [*Vigna unguiculata* (L) Walp]. *Physiol. Mol. Biol. Plants* 16 (1).
17. Malhotra Sarla and Jain Veena, (2010). Biochemistry and Genetic Manipulation of Fruit Ripening. In: *Physio-Biochemistry and Biotechnology of Vegetable Crops* (Ed. Rana, M.K.). New India Publishing Agency, Pritam Pura, New Delhi- 110 088, Chapter 9, pp. 236-261.
18. Mandhania Shiwani, Jain Veena and Malhotra Sarla P. (2010). Culture optimization for enhanced production of microbial pectin methylesterase under submerged conditions. *Asian J Biochemistry*, 5-12-22.