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Associate Professor

1. Sonia, *et al.*, 2007. *Agrobacterium tumefaciens* mediated transfer of *Phaseolus vulgaris*  $\alpha$ -amylase inhibitor-1 gene into mungbean *Vigna radiata* (L.) Wilczek using *bar* as selectable marker. *Plant Cell Reports*.
2. Sonia et al., 2007. Genetic engineering for storage pest resistance. *Physiology and Molecular Biology of Plants*.
3. Raman Saini, **Sonia**, Seema Madanpotra, Anila Baloda and Pawan K. Jaiwal, 2004. An improved protocol of plant regeneration via somatic embryogenesis in cell suspension cultures of blackgram (*Vigna mungo* L. Hepper). **Physiology and Molecular Biology of Plants**, 10(1):121-125.
4. Saini, R., **Sonia** and Jaiwal P.K. (2003). Stable genetic transformation of *Vigna mungo* L. Hepper via *Agrobacterium tumefaciens*. **Plant Cell Reports**, 21:851-859.
5. **Sonia**, *et al.*, 2002. *Agrobacterium*- mediated gene transfer in chickpea (*Cicer arietinum* L.). Proc. Nat. Symp. On Role of Plant Tissue Culture in Biodiversity Conservation and Economic Development, Almora, 7-9 June, 1999. 407-418
6. **Sonia** *et al.*, 2003. *In vitro* regeneration and genetic transformation of chickpea (*Cicer arietinum* L.) In: Biotechnology for the improvement of grain legumes (Jaiwal P.K. and Singh R.P. eds.) **Kluwer Academic Publishers**, Dordrecht, Netherlands, pp 75-97.
7. N.D.Singh, Sahoo, L., **Sonia** and Jaiwal, P.K. 2002. *In vitro* organogenesis and plant regeneration from cotyledonary node and leaf explants of pigeonpea (*Cajanus cajan* L. Millsp.). **Physiology and Molecular Biology of Plants**, 8(1): 133-140.
8. Singh R.P., Rizvi, S.M.H., Usha, **Sonia**, and Jaiwal, P.K. 2003. Molecular biology of salt tolerance in legumes. In: Biotechnology for the improvement of grain legumes (Jaiwal P.K. and Singh R.P. eds.) **Kluwer Academic Publishers**, Dordrecht, Netherlands, pp 1-28.
9. Jaiwal, P.K., **Sonia**, and Upadhyay, K.C. 2001. **Current Science**, Vol. 80, No. 11: 1368-1369.
10. Sahoo, L., Sugla, T., Singh, N. D., **Sonia**, Nijsure, P., Gulati, A., Singh, R. P. and Jaiwal, P. K. 2001. Current status and future strategies in genetic improvement of cowpea. **Vegetable Science**, 28(1):9-16.
11. **Sonia**, *et al*, 2000 *In vitro* multiplication of a multipurpose tree legume *Tamarindus indica* L. **Physiology and Molecular Biology of Plants** 6: 21-25.

12. **Sonia, et al**, 2000 Applications of Biotechnology and Molecular Biology for genetic improvement of chickpea (*Cicer arietinum* L.) In: Recent Advances in Biotechnology (Trivedi P.C.) Panima Press, New Delhi, pp 135-153.
13. Singh, N.D., **Sonia**, Sahoo,L., and Jaiwal P.K. 2000 Biotechnological Approaches for the improvement of pigeonpea (*Cajanus cajan*) In: Recent Advances in Biotechnology (Trivedi P.C.) Panima Press, N. Delhi, 154-173.
14. Sahoo, L., **Sonia**, Singh N.D., Sugla,T., Singh, R.P and Jaiwal, P.K 2000. Genetically modified crops: a bane or boon to green revolution. **Physiology and Molecular Biology of Plants**, 7:1-2.
15. **Sonia, et al**, 1998 Direct organogenesis in hypocotyl cultures of *Tamarindus indica* L. **Biologia Plantarum** 41(3): 331-337.
16. **Sonia, et al**, 1998 Biodegradable Plastics- an alternative to synthetic plastics. **Everyman's Science** Vol. XXXIV NO. 2: 80-85.
17. **Sonia, et al**, 1998 Green Fluorescent Protein- a novel reporter gene. **Current Science** Vol. 74, No. 5: 402-405.