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### **Five Most Important Publications:**

1. Panda, S.K. and Matsumoto, H.(2010).Changes in antioxidant gene expression and induction of oxidative stress in pea (*Pisum sativum* L.) under Al stress.BIOMETALS (Springer)-23 (4):753-762.IF 3.2
2. Tomoaki Horie, Toshiyuki Kaneko, Genki Sugimoto, Shizuka Sasano, Sanjib Kumar Panda, Mineo Shibasaka, Maki Katsuhara (2010) Mechanisms of water transport mediated by PIP aquaporins and their regulation via phosphorylation events under salinity stress in barley roots. Plant & Cell Physiol. (In Press).IF 3.6
3. Upadhyay, R. and Panda S.K. (2010) Zinc reduces copper toxicity induced oxidative stress by promoting antioxidant defense in freshly grown aquatic duckweed *Spirodela polyrhiza* L. J Hazard Mater. 175(1-3):1081-1084-IF 4.2
4. Panda,S.K.,Yamamoto,Y.,Kondo,H. and Matsumoto,H. (2008) Mitochondrial alterations related to programmed cell death in tobacco cells under aluminium stress. Comptes Rendus Biologies (Elsevier) 331:597-610. IF-1.7
5. Solleti,S., Bakshi,S., Purkayastha, J., Panda, S. K. and Sahoo, L. (2008) Transgenic cowpea (*Vigna unguiculata*) seeds expressing a bean  $\alpha$ -amylase inhibitor 1 confer resistance to storage pests, bruchid beetles. Plant Cell Reports, 27(12): 1841-1850, IF 2.301