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PROFESSIONAL EXPERIENCE : ASSISTANT PROFESSOR, since 2008

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AREA OF SPECIALIZATION : Fungi and Plant Infection

AREA OF INTEREST : Integrated Disease Management, Bio-control agents

LIST OF PUBLICATION :

1. **Khalko S.**, Bhattacharya P. M., Laha S. K. and Chowdhury A. K. 2003. Integrated disease management for rhizome rot of ginger in terai agro-ecological zone of West Bengal. In : *Proceedings of the State Level Seminar on Spice Production, Processing and Marketing in West Bengal*, held on 25-26 February, 2003, at UBKV, Pundibari, CoochBehar, West Bengal, pp. 112-114.
2. **Khalko S.**, Bhattacharya P. M. and Chowdhury A. K. 2004. Fungicidal management against leaf blotch incidence of turmeric (cv. RH-5). *Journal of Mycopathological Research*. **42** (2): 225-227.
3. **Khalko, S.**, Jash, S., Bose S., Roy M. and Pan S. 2005. Evaluation of tolerance to fungicides in *Macrophomina phaseolina*, *Trichoderma harzianum*, *Trichoderma viride* and *Gliocladium virens*. *Journal of Mycopathological Research*. **43** (1) : 121-123.
4. Bose S., Jash S., Roy M., **Khalko S** and Pan S. 2005. Evaluation of different isolates of *Trichoderma harzianum* against soil borne plant pathogens. *Journal of Interacademia*. **9** (3) : 329-334.
5. Jash S., **Khalko S.**, Bose S., Roy M. and Pan S. 2005. Evaluation of tolerance in *Fusarium oxysporum* f sp. *lycoporsici* and resident biocontrol agents to

- fungicides for integration of biological and chemical methods of disease management. *Journal of Mycopathological Research*. **43** (2) : 239-243.
6. Roy M., Bose S., Jash S., **Khalko S.** and Pan S. 2005. Biological control of *Macrophomina phaseolina* by some stable mutants of *Trichoderma harzianum*. *Journal of Mycopathological Research*. **43** (2) : 251-256.
 7. Jash, S., **Khalko S.**, Bose S., Roy M. and Pan S. 2006. Morphological and Physiological characterization of some mutant isolates of *Gliocladium virens*, a potential mycoparasite of sclerotial plant pathogens. *Indian Journal of Agricultural Research*. **40** (2) :114 -118.
 8. **Khalko S.**,Subhalakshmi T., Jash S., Bose S., and Pan S.2006.Herbicidal tolerance of *Trichoderma* sp.- a potential biocontrol agent of soil borne plant pathogens. *Indian Journal of Agricultural Sciences*.**76**(7):443-446.
 9. **Khalko S.**, Pan S. and Bhagat S. 2006. Development of Tolerance and Cross-tolerance in *Macrophomina phaseolina* against fungicides. *Indian Journal of Plant Protection*. **34** (2) : 233-235.
 10. **Khalko S.**, Bhagat S. and Pan Sitansu. 2007. Bioefficacy of fungicides against certain seedborne fungi. *Indian Journal of Plant Protection*. **35** (2) : 325-328.
 11. **Khalko S.** and Chowdhury A. K. 2008. Biological control of rhizome rot disease of turmeric. *Journal of Mycopathological Research*. **46** (1) : 127-128.
 12. **Khalko S.** and Pan S.K. 2009. Phytotoxicity of fungicides and their compatibility study with a potential biocontrol agent *Trichoderma harzianum*. *Journal of Crop and Weed*. **5**(2) : 152- 153.
 13. **Khalko S.** and Chowdhury A. K. 2011. Varietal reaction of Ginger and turmeric against major fungal diseases. *Crop Research*.**42**(3) (accepted)