

DR. JAHID ALI MALIK

ASSISTANT PROFESSOR (BOTANY)

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EDUCATIONAL QUALIFICATIONS

M.Sc. (Hons. School) , Ph.D.

Department of Botany

Panjab University, Chandigarh

Specialization: Stress Physiology

TESTS & EXAMS

UGC/CSIR National Eligibility Test (NET) for Lectureship

ICMR-JRF

SEMINARS & SYMPOSIA ATTENDED

- * 8th National Seminar on Orchid Conservation Improvement and commercialization, held at Panjab University, Chandigarh (March, 2006).
- * 10th Punjab Science Congress held at DAV institute of engineering and technology, Jalandhar (February, 2007).
- * 1st Chandigarh Science Congress, held at Panjab University, Chandigarh (March, 2007).
- * 2nd Chandigarh Science Congress, held at Panjab University, Chandigarh (March, 2008).
- * National Symposium on New Biology in Agriculture, held at Panjab University, Chandigarh (November, 2008).
- * 13th Punjab Science Congress held at Panjab University, Chandigarh (February, 2010).

KEY SKILLS

- * Knowledge of Chromatography, Spectroscopy, SDS PAGE, Microtomy and other biochemical wet lab techniques.

PUBLICATIONS

1. Effect of varying high temperatures during reproductive growth on reproductive function, oxidative stress and seed yield in chickpea genotypes differing in heat sensitivity (2013). Sanjeev Kumar, Prince Thakur, Neeru Kaushal,

Jahid A. Malik, P. Gaur & Harsh Nayyar Archives of Agronomy and Soil Science
59 823-843

2. Selenium antagonises the toxic effects of arsenic on mungbean (*Phaseolus aureus* Roxb.) plants by restricting its uptake and enhancing the antioxidative and detoxification mechanisms (2012) **Jahid A. Malik**, Shilpa Goel, Navneet Kaur, Shuchi Sharma, Inderjit Singh, Harsh Nayyar Environmental and Experimental Botany 77 242-248
3. Growth and Metabolic Responses of Maize (C4 species) and Rice (C3 Species) Genotypes to Cadmium Toxicity (2012). S. Goel, **J.A. Malik**, R. Awasthi, R. Sandhir and H. Nayyar Cereal Research Communications 40 (2) 225-234
4. Uptake and Distribution of Arsenic in Chickpea: Effects on Seed Yield and Seed Composition (2011) **Jahid A. Malik**, ShilpaGoel, RajatSandhir& Harsh Nayyar Communications in Soil Science and Plant Analysis, 42 (14) 1728-1738
5. Promotion of Growth in Mungbean (*Phaseolusaureus*Roxb.) by Selenium is Associated with Stimulation of Carbohydrate Metabolism (2011) **Jahid Ali Malik**, Sanjeev Kumar, Prince Thakur, Suchi Sharma, NavneetKaur, RamanPreetKaur, D. Pathania, KalpnaBhandhari, NeeruKaushal, Kamaljit Singh, AlokSrivastava, Harsh Nayyar Biol Trace Elem Res 143(1) 530-539
6. Growth and metabolic responses of contrasting chickpea (*Cicerarietinum* L.) genotypes to chilling stress at reproductive phase (2011) Sanjeev Kumar, **Jahid Malik**, Prince Thakur, SuchiKaistha, Kamal Dev Sharma, H. D. Upadhyaya, J. D. Berger, Harsh Nayyar ActaPhysiol Plant 33 779-787
7. Involvement of Proline in response of Chickpea (*Cicerarietinum* L.) to Chilling Stress at Reproductive Stage (2011) GurinderKaur, Sanjeev Kumar, Prince Thakur, **Jahid A. Malik**, KalpnaBhandhari, K.D. Sharma and Harsh Nayyar Scientia Hort 128 174-181
8. Cold stress effects on reproductive development in grain crops: an overview (2010) Prince Thakur, Sanjeev Kumar, **Jahid A. Malik**, Jens D. Berger and Harsh Nayyar Environment and Experimental Botany 67 429-443
9. Molecular approach for phytoremediation of metal-contaminated sites (2009) ShilpaGoel, **Jahid A. Malik** and Harsh Nayyar Archives of Agronomy and Soil Science 55:4 451-475

10. Evaluation of comparative effects of arsenic, cadmium, lead and mercury on growth and stress injury in chickpea (*Cicerarietinum* L.) seedlings (2008) **Jahid Ali Malik**, ShilpaGoel and Harsh Nayyar Jour Pl Sci Res 24 (2) 131-140
11. Cadmium Toxicity in Plants and Bioremediation (2007) ShilpaGoel, **Jahid Ali Malik**, Harsh Nayyar and I.S. Dua (2007).. Pb. Univ. Res. J (Science) 57 139-149
12. Toxicity of Arsenic in Plants: Effects and Adaptive Mechanisms (2006) **Jahid Ali Malik**, ShilpaGoel, Harsh Nayyar and I.S. Dua (2006) Pb. Univ. Res. J (Science) 56 137-143

ARTICLES IN BOOKS

1. Toxic Effects of Mercury on Plants: Current Developments and Remedial Measures (2008) ShilpaGoel, **Jahid Ali Malik** and Harsh Nayyar In: Advanced Topics in Biotechnology and Plant Biology (C.P. Malik, BhavneetKaur and ChitraWadhvani Eds.) MD Publications Pvt. Ltd., New Delhi 267-286
2. Biotechnological Approaches for Developing Stress Tolerant Crops: Current Development and Prospects (2008) Harsh Nayyar, **Jahid Ali Malik**, ShilpaGoel, Kamaljeet Singh and NeelamSetia In: Crop Improvement Strategies and Applications (R.C. Setia, Harsh Nayyar and NeelamSetiaEds). I.K. International Publishing House Pvt. Ltd., New Delhi, 158-178