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Submitted Research Projects

Recently two projects submitted to the Ministry of Science and Technology as Principle Investigator (**PI**).

- First research project on the rice (for developing abiotic stress tolerance).
- Second project on the sugarcane for developing fungus resistance in local varieties of sugarcane. This project is a collaborative project with China under agreement of 17th Protocol of Science & Technology between the governments of China and Pakistan.
- A short term project, for the development of CAMB Bio-fertilizer, has been submitted to the Technical Evaluation Committee of CAMB.

PUBLICATIONS

1. Sadiq, H. M., **Jahangir, G. Z.**, Nasir, I. A., and Iqbal, M. (**2013**). Isolation and characterization of phosphate solubilizing bacteria from rhizosphere soil. Journal of Biotechnology & Biotechnological Equipment**:** 27/2013/6 **(**4248).

2. **Jahangir, G. Z.**, Nasir, I. A., **Hossain**, M. B., Rehman, Z., Khan, M. A., & Ahmed, N. (**2014**). Disease free and rapid mass production of sugarcane cultivars. Universal Scholars in Agriculture, Advancements in life sciences, 1(3): 171-180.

3. Qamar Z, Nasir IA, **Jahangir GZ**, Husnain T. (**2014**). In-vitro Production of Cabbage and Cauliflower. Advancements in life sciences, 1(2): 112-118.

4. **Jahangir, G. Z.** (**2012**). The need of research culture in Pakistan. The Scientific Ravi: 48-50.

5. Nasir, I. A., **Jahangir, G. Z.**, Qamar, Z., and Husnain, T. (**2011**). Maintaining regeneration potential of sugarcane callus for longer span. African Journal of Agricultural Research, 6(1), 113-119.

6. **Jahangir, G. Z.,** Nasir, I. A., Sial, R. A., Javid, M. A. and Husnain, T. (**2010**). Various Hormonal Supplementations Activate Sugarcane Regeneration *In-Vitro.* Journal of Agricultural Sciences, 2 (4), 231-237.

7. Naz, S. and **Jahangir, G. Z.** (**2008**). Effect of medium composition on Callogenesis and Somatic embryogenesis in different varieties of sugarcane (Saccharum officinarum L.) i-e. S-2002-US-302, HSF-240 and HSF-242. Pakistan Sugar Journal, 4, 11-20.

8. **Jahangir, G. Z.**, Sadiq, H. M., Nasir, I. A., and Iqbal, M. (**2015**). Phosphate solubilizing bacteria are effective bio-control agents. Journal of Animal and Plant Sciences **(**accepted but waiting for formal acceptance letter).

9. **Jahangir, G. Z.**, Shahwar, D., Nasir, I. A., Shehzad, S., and Iqbal, M. (**2015**). Spice plants protect cheek cells from DNA damage; an *in vitro* study. Journal of Medicinal Plant Research **(**Accepted).

10. **Jahangir, G. Z.,** Shahwar, D., Nasir, I. A., Shehzad, S., and Iqbal, M. (**2015**). Natural extracts reduce the risk of mutagenicity of synthetic mouthwash products. BioMed Research International **(**Waiting for acceptance).