Stress response and health affecting compounds in Brassicaceae

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Curriculum Vitae

Muhammad Jahangir was born in 1979 in Haripur (Hazara), Pakistan. He obtained his high school education from Jinnah Jam-e High School in 1995, and completed higher secondary education from Telecom Boy's Public School and College, Haripur, in 1997. For further studies he got a merit scholarship from the provincial government of N.W.F.P. for a BSc Agriculture study at the University of Arid Agriculture, Rawalpindi. For his BSc research project, he studied the "Effect of stabilizers on tomato concentrate". After graduation in 2001, he got admission in the N.W.F.P. Agricultural University, Peshawar, in the MSc Food Science and Technology program, which he finished in 2003. His MSc project concerned "The development and storage study of low caloric mango squash".

He started his career with a job as executive trainee in Qarshi Industries, one of the leading industries in Pakistan for herbal medicines and food products. After six months working with Qarshi, he moved to a food processing industry, Salman Corporation, Islamabad and worked there as "Food Technologist Product Development" for almost a year. He decided to continue his academic career for PhD study in the department of Pharmacognosy and Metabolomics, Institute of Biology, Leiden University, for which he received a scholarship from the Higher Education Commission (HEC) of Pakistan in 2007. He joined the *Brassica* project and worked on the "Stress response and health affecting compounds in Brassicaceae".

Apart from attending international, national and internal trainings, conferences, and seminars, until now he has three poster publications, and eight journal publications (articles and reviews).

List of publications

1. Jahangir M., Abdel-Farid I. B., Jonker H. H., Vos C. H. de., Choi Y. H., Verpoorte R. Metabolomic profiling of *Brassica rapa* and *Raphanus sativus* on different growth stages. ***In process***.

2. Jahangir M., Abdel-Farid I. B., Choi Y. H., Verpoorte R. Effect of postharvest storage time and temperature on red radish (*Raphanus sativus*). ***In process***.

3. Jahangir M., Abdel-Farid I. B., Kim H. K., Choi Y. H., Verpoorte R. 2009. Healthy and unhealthy plants: The effect of stress on the metabolism of Brassicaceae. Environ. Exp. Bot. 67 (1): 23 – 33.
4. Jahangir M., Kim H. K., Choi Y. H., Verpoorte R. 2009. Health-affecting compounds in *Brassicaceae*. Comp. Rev. Food Sci. Food Saf. 8: 31–43.

5. Jahangir M., Abdel-Farid I. B., Choi Y. H., Verpoorte R. 2008. Metal ion-inducing metabolite accumulation in *Brassica rapa*. J Plant Physiol. 165 (14): 1429–1437.

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7. Abdel-Farid I. B., Jahangir M., van den Hondel C. A. M. J. J., Kim H.K., Choi Y.H., Verpoorte R. 2009. Fungal infection-induced metabolites in *Brassica rapa*. Plant Sci. 176 (5): 608 – 615.