



# Ajmal Khan

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## QUALIFICATION HISTORY:

- 2010 – 2015**      **PhD**, Division of Applied Life Science, **Gyeongsang National University, South Korea**,
- 2006 – 2009**      **M.Phil**, Department of Biochemistry/Molecular biology, **Quaid-I-Azam University, Islamabad, Pakistan.**
- 2002 – 2005**      **BSc (Hons)** Biotechnology, **University of Peshawar, Pakistan.**

## EMPLOYMENT HISTORY:

- 09/2015 – 04/2016**   **Research Fellow**, Division of Applied Life Science, **Gyeongsang National University, South Korea**
- 09/2016-till date**   **Assistant Professor** Department of Biotechnology **Bacha Khan University Charsadda (BKUC) KPK, Pakistan**

## RESEARCH PUBLICATIONS:

1. Khan S, Muzaffar S, Tariq M, **Khan A**, Basit S, and Ahmad W. (2010). Mapping of a novel locus for an autosomal recessive form of palmoplantar keratoderma on chromosome 3q27. 2-q29. *British Journal of Dermatology*, 163, 711-718.
2. Bibi F, Chung EJ, **Khan A**, Jeon CO, and Chung, YR. (2012). *Rhizobium halophytocola* sp. nov., isolated from the root of a coastal dune plant. *International journal of systematic and evolutionary microbiology*, 62, 1997-2003.
3. Bibi F, Chung EJ, **Khan A**, Jeon CO, and Chung YR. (2013). *Martellella endophytica* sp. nov., an antifungal bacterium associated with a halophyte. *International journal of systematic and evolutionary microbiology*, 63, 2914-2919.
4. **Khan A**, Khan H, Chung EJ, Hossain MT, and Chung YR. (2015). Complete genome sequence of *Martellella endophytica* YC6887, which has antifungal activity associated with a halophyte. *Genome announcements*, 3, e00366-15.
5. Chung EJ, Hossain MT, **Khan A**, Kim KH, Jeon CO, and Chung YR. (2015). *Bacillus oryzicola* sp. nov., an Endophytic Bacterium Isolated from the Roots of Rice with Antimicrobial, Plant Growth Promoting, and Systemic Resistance Inducing Activities in Rice. *The plant pathology journal*, 31, 1-13.
6. **Khan, A.**, Hossain, M. T., Park, H. C., Yun, D. J., Shim, S. H., & Chung, Y. R. (2016). Development of root system architecture of *Arabidopsis thaliana* in response to

colonization by *Martelella endophytica* YC6887 depends on auxin signaling. *Plant and Soil*, 405(1-2), 81-96.

7. Hossain, M. T., **Khan, A.**, Chung, E. J., Rashid, M. H. O., & Chung, Y. R. (2016). Biological Control of Rice Bakanae by an Endophytic *Bacillus oryzicola* YC7007. *The plant pathology journal*, 32: 228.
  8. Harun-Or-Rashid, M., **Khan, A.**, Hossain, M. T., & Chung, Y. R. (2017). Induction of Systemic Resistance against Aphids by Endophytic *Bacillus velezensis* YC7010 via Expressing PHYTOALEXIN DEFICIENT4 in Arabidopsis. *Frontiers in plant science*, 8.
  9. Khan **H**, Ullah **S**, Salman M, Hussain F, Anwar Y, Ullah I, Khan IA, Hussain H, Naeem I, **Khan A**, Khan H and Shuaib M (2018). Microbiological Safety and Antibigram Analysis of Selected Food Products Obtained in the Marketplace of Peshawar and Mardan, KPK, Pakistan. *Polish Journal of Environmental Studies*.
  10. Hossain, M. T., **Khan, A.**, Harun-Or-Rashid, M., & Chung, Y. R. (2019). A volatile producing endophytic *Bacillus siamensis* YC7012 promotes root development independent on auxin or ethylene/jasmonic acid pathway. *Plant and Soil*, 439(1-2), 309-324.
  11. Baek, D., Rokibuzzaman, M., **Khan, A.**, Kim, M. C., Park, H. J., Yun, D. J., & Chung, Y. R. (2019). Plant-growth promoting *Bacillus oryzicola* YC7007 modulates stress-response gene expression and provides protection from salt stress. *Frontiers in plant science*, 10, 1646.
  12. Islam, A., Ain, Q., Munawar, A., Corrêa Junior, J. D., **Khan, A.**, Ahmad, F., ... & Nadhman, A. (2020). Reactive oxygen species generating photosynthesized ferromagnetic iron oxide nanorods as promising antileishmanial agent. *Nanomedicine*, 15(08), 755-771.
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