

Dr. Muhammad Asif Rai

(Floriculture, Landscape and Horticulture Professional, Landscape Designer, developer and consultant, University Teacher, Researcher and Author.)

A Professional with more than thirty years of practical and theoretical experience in the subject. More than ten years of international experience in designing, execution and maintenance of Landscape projects and ornamental plants nursery as head of Garden and Landscape Department **Al-Dhaid City Municipality, Sharjah, United Arab Emirates**. Co-author of two books related to Floriculture and Ornamental Horticulture namely Landscape Plants (English) and Hamarey Phool (Urdu). Author and co-author of more than three practical Manuals related to Floriculture, Ornamental Horticulture and Landscape Horticulture. Author and Co-author of more than thirty-five research papers published in local and world-renowned journals. Supervised more than forty scholars of M.Phil / M.Sc. (Hons.) Horticulture in their thesis as supervisor and more than fifty as member supervisory committee.

Presently Working as Associate Professor in the topmost ranked Agriculture University of the Pakistan and Member Board of Directors of Parks and Horticulture Authority (PHA) Faisalabad.

Recent Research Papers:

1. Mehak Shehzad, Adnan Younis, **Muhammad Asif** and Mansoor Hameed. 2023. Prospects of green roof technology as a sustainable solution to urban pollution index. Journal of Agriculture and Food Research 14 (2023) 100751. Contents lists available at ScienceDirect Journal of Agriculture and Food Research journal homepage: www.sciencedirect.com/journal/journal-of-agriculture-and-food-research
<https://doi.org/10.1016/j.jafr.2023.100751>.
2. Muhammad Umair Shafique, Adnan Younis, **Muhammad Asif** and Mansoor Hameed. 2023. Impact of time scale on plantation pattern: an approach to access tree diversity changes in urban parks. Pak. J. Agri. Sci., Vol. 60(3), xxx-xxx; 2023 ISSN (Print) 0552-9034, ISSN (Online) 2076-0906 DOI:10.21162/PAKJAS/23.35
<http://www.pakjas.com.pk>.

3. Jianhui Li, Imtiaz Hussain, Muhammad Azam, Muhammad Arslan Khan, Muhammad Tahir Akram, Khalid Naveed, **Muhammad Asif**, Naveeda Anjum, Jiaoke Zeng, Jiukai Zhang and Hongru Liu. 2023. Hot Water Treatment Improves Date Drying and Maintains Phytochemicals and Fruit Quality Characteristics of Date Palm (*Phoenix dactylifera*). *Foods* 2023, 12, 2405. <https://doi.org/10.3390/foods12122405>.
4. Kainat Fatima, Iftikhar Ahmad, John M. Dole, Naveed Ahmad, **Muhammad Asif**, Khurram Ziaf, Muhammad Adnan Badar, Kaneez Fatima. 2022. Folk floral preservatives extend postharvest longevity of *Eustoma grandiflorum* L. *Scientia Horticulturae* 301, (2022) 111132. <https://doi.org/10.1016/j.scienta.2022.111132>.
5. Mohsin Bashir, **Muhammad Asif**, Muhammad Naveed, Rashad Waseem Khan Qadri, Nazar Faried and Faheem Anjum. 2019. Post-harvest exogenous application of various bacterial strains improves the longevity of cut 'Royal Virgin' tulip flowers. *Pak. J. Agri. Sci.* 56 (1), 71-76.