

**LIST OF RESEARCH PAPERS**  
**(Dr. Ishtiaq A. Rajwana, Professor-Horticulture)**  
**Department of Horticulture, MNS-UAM**

**Publications**                      **(Journal Papers)**

1. Raza, S.A., A.S. Khan, I.A. Khan, I.A. Rajwana, S. Ali, A.A. Khan, and A. Rehman. 2017. Morphological and physico-chemical diversity in some indigenous mango (*Mangifera indica* L.) germplasm of Pakistan. *Pak. J. Agric. Sci.* 54(2): 287-297. URL: <https://www.pakjas.com.pk/papers/2701.pdf>
2. Khan, I.A., Khan, A.S., **Rajwana, I.A.**, Khan, A.A., Azmat, M.A. and Raza, S.A., 2016. Premium Quality Mango Genotypes for Extended Harvest Season. *HortScience*, 51(12): 1609-1612. URL: <http://hortsci.ashspublications.org/content/51/12/1609.full>
3. Azmat, M.A. Khan A.A., Khan I.A., **Rajwana I.A.**, Cheema H.M.N. and Khan A.S. 2016. Morphological characterization and SSR based DNA fingerprinting of elite commercial mango cultivars. *Pak. J. Agri. Sci.* 53(2): 321-330. URL <https://www.pakjas.com.pk/papers/2568.pdf>
4. Khan, A.S., Shaheen, T. Malik, A.U., **Rajwana, I.A.**, Ahmad, S., and Ahmad, I. (2014) Exogenous application of plant growth regulators influence the reproductive growth of *Citrus sinensis* OSBECK cv. Blood Red. *Pak. J. Botany*, 46(1): 233-238. URL: [https://www.pakbs.org/pjbot/PDFs/46\(1\)/27.pdf](https://www.pakbs.org/pjbot/PDFs/46(1)/27.pdf).
5. Khan, A.S., Khan, M.R.G., Malik, A.U., **Rajwana, I.A.**, Shaheen, T. and Buksh, A. (2013) Influence of defoliation and deblossoming on fruit quality of Guava (*Psidium guajava* L.) cv. Gola. *Pak. J. Botany*, 45(2): 563-570 URL: [https://www.pakbs.org/pjbot/PDFs/45\(2\)/32.pdf](https://www.pakbs.org/pjbot/PDFs/45(2)/32.pdf).
6. Ahmed, W., Tahir, F.M., **Rajwana, I.A.**, Raza, S.A. and Asad, H.U. (2012) Comparative evaluation of plant growth regulators against pre-mature fruit drop and fruit quality parameters in mango cultivar 'Dusehri' *Intl. J. Fruit Sci.*, 12: 372-389 <https://www.tandfonline.com/doi/abs/10.1080/15538362.2012.679175>
7. Azmat, M.A., Khan, I.A., Cheema, H.M.N., **Rajwana, I.A.** Khan, A.S. and Khan, A.A. (2012) Extraction of DNA suitable for PCR applications from mature leaves of *Mangifera indica* L. *J. Zhejiang Univ-Sci B (Biomed & Biotechnol)* 13 (4): 239-243 URL: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3323937/>
8. Khan, A.S., Ullah, W., Malik, A.U., Ahmad, R., Saleem, B.A., **Rajwana, I.A.** (2012) Exogenous applications of Boron and Zinc influence leaf nutrient status, tree growth and fruit quality of Feutrall's Early (*Citrus reticulata* Blanco). *Pak. J. Agri. Sci.*, 49: 113-119. URL: <https://www.pakjas.com.pk/papers/1985.pdf>
9. Khan, A.S., Khan, G.R.M., Malik, A.U., Saleem, B.A., **Rajwana, I.A.** and Ahmad, I. (2011) Influence of defoliation and deblossoming on the vegetative and reproductive growth of Guava (*Psidium guajava* L.) cv. Gola. *Pak. J. Botany*, 43(6): 2891-2896. URL: [https://www.pakbs.org/pjbot/PDFs/43\(6\)/40.pdf](https://www.pakbs.org/pjbot/PDFs/43(6)/40.pdf)
10. Jabbar, A., Malik, A.U., Saeed, M., Malik, O.H., Amin, M., Khan, A.S., **Rajwana, I.A.**, Saleem, B.A., Hameed, R. and Mazhar, M.S. (2011) Performance of hot water phytosanitary treated mangoes for intended export from Pakistan to Iran and China. *Intl. J. Agri. Biol.*, 13: 645-651.  
  
URL: [http://www.fsublishers.org/published\\_papers/15587...pdf](http://www.fsublishers.org/published_papers/15587...pdf)
11. Shafique, M., Khan, A.S., Malik, A.U., Shahid, M., **Rajwana, I.A.**, Saleem, B.A., Amin, M. and Ahmad, I. (2011) Influence of pollen source and pollination frequency on fruit drop, yield and quality of date palm (*Phoenix dactylifera* L.) cv. Dhakki. *Pak. J. Bot.*, 43: 831- 839.  
URL: [http://www.pakbs.org/pjbot/PDFs/43\(2\)/PJB43\(2\)0831.pdf](http://www.pakbs.org/pjbot/PDFs/43(2)/PJB43(2)0831.pdf)

12. Khan, A.S., Naseer M., Malik, A.U., Basra, S.M.A., Khalid, M.S., Khalid, S., Amin, M., Saleem, B.A., **Rajwana, I.A.** and Din, M.U. (2011) Location, soil and tree nutrition status influence the quality of 'Kinnow' Mandarin. *Intl. J. Agri. Biol.*, 13: 498-504. URL: [http://www.fspublishers.org/published\\_papers/36740\\_..pdf](http://www.fspublishers.org/published_papers/36740_..pdf)
13. Anwar, R., Ahmad, S., **Rajwana, I.A.**, Khan, A.S., Memon, N.N., Nafees, M. (2011) Phenological growth patterns and floral malformation of mango (*Mangifera indica* L.) tree under subtropical climate. *Pak. J. Agri. Sci.*, 48: 109-115. URL: <https://www.pakjas.com.pk/papers/1930.pdf>
14. Saleem, B.A., Malik, A.U., **Rajwana, I.A.**, Khan, A.S., Iqbal, Z., Ahmed, W., Waqas, M. and Farooq, M. (2011) Foliar Application of LBU Influences the Leaf Nitrogen Level, Vegetative and Reproductive Performance of 'Blood Red' Sweet Oranges. *Pak. J. Bot.*, 43:503-514. URL: [http://www.pakbs.org/pjbot/PDFs/43\(1\)/PJB43\(1\)503.pdf](http://www.pakbs.org/pjbot/PDFs/43(1)/PJB43(1)503.pdf)
15. Jabbar, A., Malik, A.U., Din, I., Anwar, R., Ayub, M., **Rajwana, I.A.**, Amin, M. and Khan, A.S. (2011) Effect of combined Application of Fungicides and Hot Water Quarantine Treatment on Postharvest Diseases and Quality of Mango Fruit. *Pak. J. Bot.*, 43: 65-73. URL: [http://www.pakbs.org/pjbot/PDFs/43\(1\)/PJB43\(1\)065.pdf](http://www.pakbs.org/pjbot/PDFs/43(1)/PJB43(1)065.pdf)
16. **Rajwana, I.A.**, Khan, I.A., Malik, A.U., Saleem, B.A., Khan, A.S., Ziaf, K., Anwar, R. and Amin, M. (2011) Morphological and Biochemical Markers for Varietal Characterization and Quality Assessment of Potential Indigenous Mango (*Mangifera indica* L.) Germplasm. *Intl. J. Agri. Biol.*, 13: 151-158. URL: [http://www.fspublishers.org/published\\_papers/67629\\_..pdf](http://www.fspublishers.org/published_papers/67629_..pdf)
17. **Rajwana, I.A.**, Malik, A.U., Khan, A.S., Saleem, B.A. and Malik, S.A. (2010) A new mango hybrid shows better shelflife and fruit quality. *Pak. J. Bot.*, 42: 2503-2512. URL: [www.pakbs.org/pjbot/PDFs/42\(4\)/PJB42\(4\)2503.pdf](http://www.pakbs.org/pjbot/PDFs/42(4)/PJB42(4)2503.pdf)
18. Ziaf, K., Amjad, M., Pervez, M.A., Iqbal, Q., **Rajwana, I.A.** and Ayub, M. (2009) Evaluation of different growth and physiological traits as indices of salt tolerance in hot pepper (*Capsicum annum* L.). *Pak. J. Bot.*, 41: 1797-1809. URL: [www.pakbs.org/pjbot/PDFs/41\(4\)/PJB41\(4\)1797.pdf](http://www.pakbs.org/pjbot/PDFs/41(4)/PJB41(4)1797.pdf)
19. Khan, S.A., Malik, A.U., Pervez, M.A., Saleem, B.A., **Rajwana, I.A.**, Shaheen, T. and Anwar, R. (2009) Foliar application of low-biuret urea and fruit canopy position in the tree influence the leaf nitrogen status and physic-chemical characteristics of Kinnow mandarin (*Citrus reticulata* Blanco.) *Pak. J. Bot.*, 41: 73-85. URL: [www.pakbs.org/pjbot/PDFs/41\(1\)/PJB41\(1\)073.pdf](http://www.pakbs.org/pjbot/PDFs/41(1)/PJB41(1)073.pdf)
20. Saleem, B. A., Malik, A. U., Maqbool, M., Din, I., U., Farooq, M. and **Rajwana, I.A.** (2008) Early winter spray of low biuret urea improves marketable yield and fruit quality of sweat oranges. *Pak. J. Bot.*, 40: 1455-1465. URL: <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.655.2072&rep=rep1&type=pdf>
21. **Rajwana, I. A.**, Tabbasam, N., Malik, A. U., Malik, S. A., Rahman, M. and Zafar, Y. (2008) Assessment of genetic diversity among mango (*Mangifera indica* L.) genotypes using RAPD markers. *Scientia Hort.*, 117: 297-301. URL: <https://www.sciencedirect.com/science/article/pii/S0304423808001507>
22. **Ahmad I.**, Malik, A.U., Amin, M. and Anwar, R. (2007) Comparative studies on the performance to two commercial mango cultivars under ambient ripening conditions. *Life Sci. Int.*, 1: (4) 463-467. <http://lsij.org/index.php/lsij/article/view/169>
23. Amin, M., Malik, A.U., D, Nawab, Jabbar, A. and **Ahmad, I.** (2007) Mango soft nose disorder and fruit quality in relation to pre and post harvest treatments. *Life Sci. Intl* 1: (4) 455-462. <http://www.lsij.org/index.php/lsij/article/view/168>

24. *Khurshid, S., Anjum, M.A. and Ahmad, I. (2004) Variations in yield potential and quality characteristics of some litchi cultivars under the agro-climatic conditions of Multan, Pakistan. Biosci. Research, 1: 27-33*
25. *Khurshid, S., Ahmad, I. and Anjum, M.A. (2004) Genetic diversity in different morphological characteristics of Litchi (Litchi chinensis Sonn.) Intl. J. Agri. Biol., 06: 1062-1065.  
URL: [http://www.fspublishers.org/published\\_papers/40116\\_.pdf](http://www.fspublishers.org/published_papers/40116_.pdf)*

### **Refereed International Proceeding Papers**

1. *Rajwana, I.A., Razaq, K., Hussain, S.B., Amin, M., Khan, A.S. and Malik, A.U. 2017. Strawberry cultivation in southern Punjab Pakistan. Acta Hort., 1156: 909-914.  
[https://www.actahort.org/books/1156/1156\\_134.htm](https://www.actahort.org/books/1156/1156_134.htm)*
2. *Rajwana, I.A., Malik, A.U., Bally, I.S.E., Kazmi, M.R., Khan, M.I., Rajwana E.A. and Mahmood, K. (2013) Trends and challenges in Mango nursery production in Pakistan. Acta Hort., 992: 63-68.  
[https://www.actahort.org/books/992/992\\_6.htm](https://www.actahort.org/books/992/992_6.htm)*
3. *Rajwana, I.A., Malik, A.U., Khan, A.S. and Anwar, R. (2010) Lychee industry in Pakistan: Potential and prospects. Acta Hort. 863: 67-72. [http://www.actahort.org/books/863/863\\_6.htm](http://www.actahort.org/books/863/863_6.htm)*
4. *Malik A.U., Maqbool, M., Ahmad, I. and Pervez, M.A. (2009) Sapburn management for improving mango fruit Quality. Acta Hort., 820: 713-720. [https://www.ishs.org/ishs-article/820\\_88](https://www.ishs.org/ishs-article/820_88)*
5. *Ahmad, I., Malik, A. U., Malik, S. A., Tabassum, N., Rahman, M., and Zafar, Y. (2008) Application of DNA fingerprinting technology to estimate genetic divergence among mango cultivars-genotypes. Acta Hort., 773:127-133. [https://www.actahort.org/books/773/773\\_17.htm](https://www.actahort.org/books/773/773_17.htm)*