

### **Impact Factor Publications:**

1. Zakia, L., **Nasir**, I. A. and Riazuddin, S. (2007). Indigenous production of synthetic seeds in *Daucus carota*. Pak. J. Bot. 39 (3): 849-855.
2. **Nasir**, I. A. and Riazuddin, S. (2008). In vitro Selection for Fusarium Wilt Resistance in *Gladiolus*. J. Integr. Plant Biol. 50 (5): 601-612.
3. 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 Science: 2 (4):231-237.
4. Awan, A. R., Haq, I. U., Babar, M. E. and **Nasir**, I. A. (2010) Molecular Detection of Potato Leaf Roll Polerovirus through Reverse Transcription Polymerase Chain Reaction in Dormant Potato Tubers. Pakistan Journal of Botany. 42(5): 3299-3306.
5. Rao A.Q, Irfan M, Saleem Z, **Nasir** I. A., S. Riazuddin and Husnain T. (2010) Overexpression of the phytochrome B gene from *Arabidopsis thaliana* increases plant growth and yield of cotton (*Gossypium hirsutum*). Journal of Zhejiang University Science B. 12 (4): 326-334.
6. Sabir, N., Riazuddin, S. A., Kaul, H., Iqbal, F., **Nasir**, I. A., Zafar, A. U., Qazi, Z. A., Butt, N. H., Khan, S. N., Husnain, T., Hejtmancik, J. F., Riazuddin, S. (2010). Mapping of a novel locus associated with autosomal recessive congenital cataract to chromosome 8p. Mol Vis. 16:2911-5.
7. Sabir, N., Riazuddin, S. A., Butt, T., Iqbal, F., **Nasir**, I. A., Zafar, A. U., Qazi, Z. A., Butt, N. H., Khan, S. N., Husnain, T., Hejtmancik, J. F., Riazuddin, S. (2010). Mapping of a new locus associated with autosomal recessive congenital cataract to chromosome 3q. Mol Vis.16:2634-2638.
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9. Kaul, H., Riazuddin, S. A., Qazi, Z. A., **Nasir**, I. A., Zafar, A. U., Khan, S. N., Husnain, T., Akram, J., Hejtmancik, J. F., Riazuddin, S. (2010). Ectopia lentis in a consanguineous Pakistani family and a novel locus on chromosome 8q. Arch Ophthalmol. 128 (8):1046-9.
10. Yasmeen, A., Riazuddin, S. A., Kaul, H., Mohsin, S., Khan, M., Qazi, Z. A., **Nasir**, I. A., Zafar, A. U., Khan, S. N., Husnain, T., Akram, J., Hejtmancik, J. F., Riazuddin, S. (2010). Autosomal recessive congenital cataract in consanguineous Pakistani families is associated with mutations in GALK1. Mol Vis. 16:682-8.
11. Kaul H, Riazuddin SA, Yasmeen A, Mohsin S, Khan M, **Nasir** I. A., Khan SN, Husnain T, Akram J, Hejtmancik JF, Riazuddin S. (2010). A new locus for autosomal recessive congenital cataract identified in a Pakistani family. Mol Vis.16:240-5.
12. Ali, S., Riazuddin, S. A., Shahzadi, A., **Nasir**, I. A., Khan, S. N., Husnain, T., Akram, J., Sieving P. A., Hejtmancik, J. F., Riazuddin, S. (2011). Mutations in the  $\beta$ -subunit of rod phosphodiesterase identified in consanguineous Pakistani families with autosomal recessive retinitis pigmentosa. Mol Vis. 2011; 17:1373-80.

13. Riazuddin, S., Ahmed, Z. M., Hegde, R. S., Khan, S. N., **Nasir** I. A., Shaukat, U., Riazuddin, S., Butman, J. A., Griffith, A. J., Friedman, T. B., Choi, B. Y. (2011) Variable expressivity of FGF3 mutations associated with deafness and LAMM syndrome. *BMC Med Genet.* 9:12:21.
14. **Nasir**, I. A., Jamal, A., Rahman, Z. and Husnain, T. (2012). Molecular Analyses of in-vitro selected gladiolus lines with improved resistance against Fusarium wilt. *Pak. J. Bot.* 44(1):73-79.
15. Ishfaq, M., **Nasir**, I. A., Mahmood, N., and Saleem, M (2012). In vitro induction of mutation in tomato (*Lycopersicon esculentum* L.) Cv. Roma by using chemical mutagens. *Pak. J. Bot.*, 44: 311-314.
16. Shahid, A. A., Javed, S., **Nasir**, I. A., Tabassum, B. and Haider, M. S. (2013). Essential Oils and Latices as Novel Antiviral Agent Against Potato Leaf Roll Virus and Analysis of Their Phytochemical Constituents Responsible for Antiviral Activity. *Journal of Agricultural Science*; 5 (7): 167-188.
17. Rao, A. Q., Bajwa, K. S., Puspito, A. N., Khan, M. Z. U., Abbas, M. A., Rehman, M. U., Bakhsh, A., Shahid, A. A., **Nasir**, I. A. and Husnain, T. (2013). Variation in Expression of Phytochrome B Gene in Cotton (*Gossypium hirsutum* L.). *J. Agr. Sci. Tech.* 15: 1033-1042.
18. Sadiq, H. M., Jahangir, G. Z., **Nasir**, I. A., Iqtidar, M. and Muhammad Iqbal (2013). Isolation and Characterization of Phosphate-Solubilizing Bacteria from Rhizosphere Soil. *Biotechnology & Biotechnological Equipment.* 27 (6):4248-4255.
19. Farooq, A. M., **Nasir**, I. A., Bushra, T., Javed, M. A and Husnain, T. (2010). Androgenesis induction, Callogenesis, Regeneration and Cytogenetic studies of tomato haploid. *Journal of Agri. Research.* 48 (4):457-470.
20. **Nasir**, I. A., Tabassum, B., Qamar, Z., Javed, M. A., Tariq, M., Farooq, A. M., Butt, S. J., Qayyum, A., Husnain, T., (2014). Herbicide-tolerant sugarcane (*Saccharum officinarum* L.) plants: an unconventional method of weed removal. *Turk J Biol* 38: 439-449.
21. Ali, Q., Ali, A., Tariq, M., Abbas, M. A., Sarwar, B., Ahmad, M., Awaan, M. F., Ahmad, S., Nazar, Z. A., Akram, F., Shahzad, A., Samiullah, T. R., **Nasir**, I. A. and Husnain, T. (2014). Gene Action for Various Grain and Fodder Quality Traits in Zea Mays. *J Food and Nut. Res.* 2 (10): 704-717.
22. Ali, A., Iftikhar, M. S., Majid, M. U., Akram, M. S., Tajasar, Munawar, Aleem, M., Ali, S., Azam, S., Bajwa, K. S., Samiullah, T. R., **Nasir**, I. A. and Husnain, T. (2014). Genes and Transcriptional Factors in Chili Plant with Aspect to Metabolism and Resistance against Virus, Bacteria and Fungi: A Review. *Journal of Agricultural Science and Technology B.*, 4: 509-517.
23. Awan, M. F., M. A. Abbas, M. A., A. Muzaffar, A. Ali, A., Tabassum, B., Rao, A. Q., **Nasir**, I. A. and Husnain, T. (2015). Transfonnation of Insect and Herbicide Resistance Genes in Cotton (*Gossypium hirsutum*). *J. Agri. Sci. and Tech.* 17:275-287.
24. Bilal, M., Saeed, M., **Nasir**, I. A., Tabassum, B., Zameer, M., Khan, A., Tariq, M., Javed, M. A., & Husnain, T. (2015). Association mapping of cane weight and tillers per plant in sugarcane, *Biotechnology & Biotechnological Equipment*: (<http://dx.doi.org/10.1080/13102818.2015.1008203>).

25. Khan, A., Tabassum, B., **Nasir**, I. A., Bilal, M., Tariq, M. and Husnain, T. (2015). Potato Virus X from Pakistan: Coat Protein Sequence Analysis. *Journal of Animal & Plant Sciences*, 25(4): 2015, Page: 1016-1021. 2015 1016.
26. Puspito, A. N., Rao, A. Q., Hafeez, M. N., Iqbal, M. S., Bajwa, K. S., Ali, Q., Rashid, B., Abbas, M. A., Latif, A., Shahid, A. A., **Nasir**, I. A. and Husnain, T. (2015). Transformation and Evaluation of Cry1Ac+Cry2A and GTGene in *Gossypiumhirsutum* L. *Front. Plant Sci.* 6:943.
27. Rao, A. Q., Khan, M. Z. U., Shahid, N., Din, S., Gul, A., Muzaffar, A., Azam, S., Samiullah, T. R., Batool, F., Shahid, A. A., **Nasir**, I. A. and Husnain, T. (2015). An overview of phytochrome: An important light switch and photo-sensory antenna for regulation of vital functioning of plants. *Biologia.* 70(10): 1273-1283.
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29. Khan, M. A. U., Shahid, A. A., Rao, A. Q., Bajwa, K. S., Muzaffar, A., Samiullah, T. R., **Nasir**, I. A. and Husnain, T. (2015). Molecular and Biochemical Characterization of Cotton Epicuticular Wax in Defense against Cotton Leaf Curl Disease (CLCuD). *Iranian Journal of Biotechnology.*
30. Tabassum, B., **Nasir**, I. A., Khan, A., Aslam, U., Tariq, M., Shahid, N. and Husnain, T. (2016). Short hairpin RNA engineering: In planta gene silencing of potato virus Y. *Crop Protection*, 86: 1-8.
31. Ramzan, M., Tabassum, B., **Nasir**, I. A., Khan, A., Tariq, M., Awan, M. F., Naila, S., and Rao, A. Q., Bhatti, M. U., Toufiq, N. and Husnain, T. (2016). Identification and application of biocontrol agents against Cotton leaf curl virus disease in *Gossypiumhirsutum* under greenhouse conditions, *Biotechnology & Biotechnological Equipment*, 10.1080/13102818.2016.1148634.
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33. Jahangir, G. Z., Sadiq, H. M., **Nasir**, I. A., and Iqbal, M. (2016). Phosphate solubilizing bacteria are effective bio-control agents. *Journal of Animal & Plant Sciences.*26 (5): 1313-1319.
34. Ali, A., **Nasir**, I. A., Adnan, M., Iqbal, S., Rao, A. Q. and Husnain, T. (2016). Screening of Potato Germplasm Resistant Against low Temperature Sweetening. *Journal of Food Quality.* 10.1111/jfq.12196.
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37. Yasmeen, A., Kiani, S., Butt, A., Rao, A. Q., Akram, F., Ahmad, A., **Nasir**, I. A., Husnain, T., Mansoor, S., Amin, I., Aftab, S., Zubair, M., Tahir, M. N., Akhtar, S., Scheffler, J. and Scheffler, B. (2016) Amplicon based RNA interference targeting V2 gene of Cotton leaf curl Kokhran virus-Burewala strain can provide resistance in transgenic cotton plants. *Molecular Biotechnology*. Pp 1-14.
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41. Majid, M. u., Awan, M. F., Fatima, K., Tahir, M. S., ALI, Q., Rashid, B., Rao, A. Q., **Nasir**, I. A. and Husnain, T. (2016). Phytophthoracapsici on chilli pepper (*Capsicum annuum* L.) and its management through genetic and bio-control: a review. *Zemdirbyste-Agriculture*, 103 (4): 419– 430.
42. Imran, A., Qamar, H. Y., Ali, Q., Naeem, H., Riaz, M., Amin, S., Kanwal, N., Ali, F., Sabar, M. F. and **Nasir**, I. A. (2017). Role of Molecular Biology in Cancer Treatment. Accepted, *Iranian J Public Health*, 46(7):
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44. Irum, B., Khan, S. Y., Ali, M., Kaul, H., Kabir, F., Rauf, B., Fatima, F., Nadeem, R., H., Khan, O. A., Obaisi, S. A., Naeem, M. A., **Nasir**, I. A., Khan, S. N., Husnain, T., Riazuddin, S., Riazuddin, S. A. and Akram, J., (2016) Mutation in LIM2 Is Responsible for Autosomal Recessive Congenital Cataracts. *PLoS ONE* 11(11): e0162620. doi:10.1371/journal.pone.0162620.
45. Irum, B., Khan, S. Y., Ali, M., Daud, M., Kabir, F., Rauf, B., Fatima, F., Iqbal, H., Khan, A., Obaisi, S. A., Naeem, M. A., **Nasir**, I. A., Khan, S. N., Husnain, T., Riazuddin, S., Akram, J., Eghrari, A. and Riazuddin, S. A. (2016). Deletion at the GCNT2 Locus Causes Autosomal Recessive Congenital Cataracts. *PLOS ONE*. 11 (12). e0167562. doi:10.1371/journal.pone.0167562.