

PUBLICATIONS

Zhen, W., S. Dhakal, S. Wang, **Y. Rauf**, S. Yu, F. Maulana, W. Huang, J. D. Anderson, X. Ma, J. Rudd, A. Ibrahim, Q. Xue, D. Hays, A. Bernardo, P. St. Amand, G. Bai, S. Baker, J. Baker, S. Liu, and M. Cerit. 2022. QTL mapping of yield components and kernel traits in wheat cultivars TAM 112 and Duster. *Front. Plant Sci.* 13:1057701. [doi: 10.3389/fpls.2022.1057701](https://doi.org/10.3389/fpls.2022.1057701)

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Rauf, Y., P. Bajgain, M.N. Rouse, K. Khanzada, S. Bhavani, R. P. Singh, J. Huerta-Espino, M. Imtiaz, and J. A. Anderson. 2022. Molecular characterization of adult plant resistance to stem rust in a spring wheat mapping population. *Plant Disease*, 106, 439–450. <https://doi.org/10.1094/PDIS-03-21-0672-RE>

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M.U. Rehman, S. Gale, G. Brown-Guedira, Y. Jin, D. Marshall, L.W. Whitcher, S. Williamson, M. Rouse, J. Ahmad, G. Ahmad, I. A. Shah, M.A. Sial, **Y. Rauf**, A. R. Rattu, J. I. Mirza, R. Ward, M. Nadeem, Ghulam Ullah and M. Imtiaz. 2020. Identification of seedling resistance to stem rust in advanced wheat lines and varieties from Pakistan. *Crop Sci.* 2020;1–8.

M.U. Rehman, S. Gale, G. Brown-Guedira, Y. Jin, D. Marshall, L.W. Whitcher, S. Williamson, M. Rouse, S. Bahavni, M. Hussain, G. Ahmad, M. Hussain, M.A. Sial, J.I. Mirza, **Y. Rauf**, A.R. Rattu, M. Qamar, K. A. Khanzada, A. Munir, R. Ward, R. P. Singh, H. Braun and M. Imtiaz. 2018. Adult plant resistance to stem rust (*Puccinia graminis f. sp. tritici*) in Pakistani advanced lines and wheat varieties. *Aust. J. Crop Sci.* 12(10) 1633-1639.

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In review/Progress manuscripts:

Rauf, Y., P. Bajgain, M. N. Rouse, S. Bhavani, W. D. Bulbula and J. A. Anderson. 2022. Validation and complementary gene action of 2B stem rust QTL with *Sr2* gene for effective resistance. In progress.

CONFERENCES/WORKSHOPS

Rauf, Y., Parker, K., Wang, Z., Rudd, J. C., Xue, Q., Ibrahim, A. M. H., Baker, J. A., Baker, S., & Liu, S. (2022) Association Mapping for Seed Traits and Biomass in Wheat Doubled Haploid Lines [Abstract]. ASA, CSSA, SSSA International Annual Meeting, Baltimore, MD.

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Wang, Z., Dhakal, S., Cerit, M., **Rauf, Y.,** Chu, C., Wang, S., Xue, Q., Rudd, J. C., Ibrahim, A. M. H., Baker, J. A., Baker, S., & Liu, S. (2022) QTL Mapping of Yield Components in Wheat Cultivars TAM 112 and Duster [Abstract]. ASA, CSSA, SSSA International Annual Meeting, Baltimore, MD. <https://scisoc.confex.com/scisoc/2022am/meetingapp.cgi/Paper/144928>

Wang, Z., Yu, S., Dhakal, S., Parker, K., **Rauf, Y.,** Chu, C., Wang, S., Xue, Q., Rudd, J. C., Ibrahim, A. M. H., Hays, D., Baker, J. A., Baker, S., & Liu, S. (2022) Improving Wheat Production and Quality through Genome-Wide-Association-Study of Synthetic Derived Wheat Lines [Abstract]. ASA, CSSA, SSSA International Annual Meeting, Baltimore, MD.

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