

Name of Faculty Member: Dr. D. Sheshanka
Department: Plant Pathology
Email Address: sheshanka.d@kaveriuniversity.edu.in

1) Research Articles Published

- S. Dugyala, P. Borowicz and M. Acevedo. 2015. Rapid protocol for visualization of rust fungi structures using fluorochrome Uvitex 2B. Plant Methods. 11:54.
- J. D. Zurn, S. Dugyala, P. Borowicz, R. Brueggeman, and M. Acevedo. 2014. Unraveling the Wheat Stem Rust Infection Process on Barley Genotypes through Relative qPCR and Fluorescence Microscopy. Phytopathology. 105:707-712.
- V. Omidvar, S. Dugyala, F. Li, S. Rottschaefer, M. E. Miller, M. Ayliffe, M. J. Moscou, S. F. Kianian, and M. Figueroa. 2018. Detection of Race-Specific Resistance Against *Puccinia coronata* f. sp. avenae in Brachypodium Species. Phytopathology. 20:45992.
- E. C. Henningsen, T. Hewitt, S. Dugyala, E. Nazareno, E. Gilbert, F. Li, S. F. Kianian, B. J. Steffenson, P. N. Dodds, J. Sperschneider, M. Figueroa. 2022. A chromosome-level, nuclear phased genome assembly of the oat crown rust fungus *Puccinia coronata* f. sp. avenae: a resource to enable comparative genomics in cereal rusts. G3 (Bethesda). 29:12(8).
- Hewitt TC, Henningsen EC, Pereira D, McElroy K, Nazareno ES, Dugyala S, Nguyen-Phuc H, Li F, Miller ME, Visser B, Pretorius ZA, Boshoff WHP, Sperschneider J, Stukenbrock EH, Kianian SF, Dodds PN, Figueroa M. 2024. Genome-Enabled Analysis of Population Dynamics and Virulence-Associated Loci in the Oat Crown Rust Fungus *Puccinia coronata* f. sp. avenae. Mol. Plant Microbe Interact. 21 : MPMI09230126FI.

3. Book Chapters

- Sadras Bhavana, Sheshanka Dugyala, Rachana Bagudam, C. Subha Lakshmi & K. Krishna Mohan .Marker-Assisted Breeding for Rice Improvement. Climate-Smart Rice Breeding. Springer,2024:
- Veera. S, Nallabeema. S, Yerukala. S, Venishetty. P.C, Dugyala. S, and Javvaji, S..Post-harvest diseases of papaya and its management. Trends and Prospects in Post-Harvest Management of Horticultural Crops. Today & Tomorrow's Printers and Publishers. 2019.

4. Popular Articles

S.No.	Author(s),	Title of Article	Platform/Publication Name
1	S. Dugyala, and S. Yerukala.	Leaf rust of wheat. Agrobios Newsletter, Agricultural Sciences Plant Pathology	Agrobios, Agricultural Sciences Plant Pathology
2	Sheshanka Dugyala	Preserving Mango Quality: Integrated Approaches to Post-Harvest Disease Management in Telangana	Vigyan Varta