

List of research publications (March 2021) - Prakash P. Kumar

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114. Krishnamurthy P, Vishal B, Bhal A, Kumar PP. WRKY9 transcription factor regulates cytochrome P450 genes *CYP94B3* and *CYP86B1* to increase suberin formation in *Arabidopsis* roots leading to enhanced salt tolerance. **Physiologia Plantarum** (2021) doi: 10.1111/ppl.13371

113. Kumar PP, Chandler SF, Harry IS, Yeung EC. Trevor Alleyne Thorpe: His academic life and scientific legacy. **In Vitro Cellular and Developmental Biology- Plant, USA** (2020). doi.org/10.1007/s11627-020-10118-4

112. Jana GA, Krishnamurthy P, Kumar PP, Yaish MW. Functional characterization and expression profiling of *Glyoxalase III* genes in date palm grown under abiotic stresses. **Physiologia Plantarum** (2020) doi.org/10.1111/ppl.13239

111. Krishnamurthy P, Vishal B, Ho WJ, Lok CJF, Lee F, Kumar PP. Regulation of *CYP94B1* by WRKY33 controls root apoplastic barrier formation leading to salt tolerance. **Plant Physiology** (2020) 184:2199-2215. doi: <https://doi.org/10.1104/pp.20.01054>

110. Rajappa S, Krishnamurthy P, Kumar PP. Regulation of *AtKUP2* expression by bHLH and WRKY transcription factors helps to confer increased salt tolerance to *Arabidopsis thaliana* plants. **Frontiers in Plant Science** (2020). 11:1311. doi: 10.3389/fpls.2020.01311

109. Al-Harrasi I, Patankar HV, Al-Yahyai R, Sunkar R, Krishnamurthy P, Kumar PP, Yaish MW. Molecular characterization of a date palm *Vascular Highway 1-Interacting Kinase (PdVIK)* under abiotic stresses. **Genes** (2020), 11(5), 568; doi:10.3390/genes11050568

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104. Krishnamurthy P, Vishal B, Khoo K, Rajappa S, Loh CS, Kumar PP. Expression of *AoNHX1* increases salt tolerance of rice and *Arabidopsis*, and bHLH transcription factors regulate *AtNHX1* and *AtNHX6* in *Arabidopsis*. **Plant Cell Reports** (2019) 38: 1299-1315 <https://doi.org/10.1007/s00299-019-02450-w>

103. Ravindran P, Kumar PP. Regulation of seed germination: The involvement of multiple forces exerted via gibberellic acid signalling. **Molecular Plant** (2019) 12: 24-26.

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