

S. No	Description of the Publication	NAA S Score	Impact factor
1	Vinodhini RT, <b>Ashwin NMR</b> , Agisha VN, Nalayani K, Ramesh Sundar A, Malathi P, Viswanathan R (2023) Discovering the molecular variations among distinct <i>Sporisorium scitamineum</i> isolates using Sequence-Related Amplified Polymorphism (SRAP) Markers. <i>Sugar Tech</i> (2023). <a href="https://doi.org/10.1007/s12355-023-01276-x">https://doi.org/10.1007/s12355-023-01276-x</a>	7.87	1.872
2	Agisha VN, <b>Ashwin NMR</b> , Vinodhini RT, Ramesh Sundar A, Malathi P, Viswanathan R (2022) Transcriptome analysis of sugarcane reveals differential switching of major defense signaling pathways in response to <i>Sporisorium scitamineum</i> isolates with varying virulent attributes. <i>Frontiers in Plant Science</i> . <a href="https://doi.org/10.3389/fpls.2022.969826">https://doi.org/10.3389/fpls.2022.969826</a>	12.63	6.627
3	Amalamol D, <b>Ashwin NMR</b> , Lakshana KV, Nirmal Bharti M, Ramesh Sundar A, Sukumaran RK, Malathi P, Viswanathan R (2022) A highly efficient stratagem for protoplast isolation and genetic transformation in filamentous fungus <i>Colletotrichum falcatum</i> . <i>Folia Microbiologica</i> . <a href="https://doi.org/10.1007/s12223-022-00950-z">https://doi.org/10.1007/s12223-022-00950-z</a>	8.63	2.629
4	Agisha VN, Nalayani K, <b>Ashwin NMR</b> , Vinodhini RT, Jeyalakshmi K, Kumar MS, Ramesh Sundar A, Malathi P, Viswanathan R (2022) Molecular discrimination of opposite mating type haploids of <i>Sporisorium scitamineum</i> and establishing their dimorphic transitions during interaction with sugarcane. <i>Sugar Tech</i> . <a href="https://doi.org/10.1007/s12355-021-01085-0">https://doi.org/10.1007/s12355-021-01085-0</a>	7.87	1.872
5	Agisha VN, <b>Ashwin NMR</b> , Vinodhini RT, Nalayani K, Ramesh Sundar A, Malathi P, Viswanathan R (2021) Protoplast - mediated transformation in <i>Sporisorium scitamineum</i> facilitates visualization of in planta developmental stages in sugarcane. <i>Molecular Biology Reports</i> , 48:7921-7932. <a href="https://doi.org/10.1007/s11033-021-06823-x">https://doi.org/10.1007/s11033-021-06823-x</a>	8.74	2.742
6	Nalayani K, <b>Ashwin NMR</b> , Barnabas L, Vinodhini T, Agisha VN, Ramesh Sundar A, Malathi P, Viswanathan R (2021) Comparative expression analysis of potential pathogenicity- associated genes of high- and low- virulent <i>Sporisorium scitamineum</i> isolates during interaction with sugarcane. <i>3 Biotech</i> 11:353. <a href="https://doi.org/10.1007/s13205-021-02893-7">https://doi.org/10.1007/s13205-021-02893-7</a>	8.89	2.893
7	<b>Ashwin NMR</b> , Barnabas L, Amalamol D, Lakshana KV, Ramesh Sundar A, Malathi P, Viswanathan R (2020) Transcriptional reprogramming of major defense - signaling pathways during defense priming and sugarcane - <i>Colletotrichum falcatum</i> interaction. <i>Molecular Biology Reports</i> 47:8911–8923. <a href="https://doi.org/10.1007/s11033-020-05944-z">https://doi.org/10.1007/s11033-020-05944-z</a>	8.74	2.742
8	<b>Ashwin NMR</b> , Lakshana KV, Amalamol D, Ramesh Sundar A, Malathi P, Jayakumar V, Viswanathan R (2020) Tête-à-Tête during plant-pathogen interactions: intricacies involved and	4.76	

	beyond. <i>Plant Disease Research</i> 35:89–96. <a href="https://doi.org/10.5958/2249-8788.2020.00020.7">https://doi.org/10.5958/2249-8788.2020.00020.7</a>		
9	Viswanathan R, <b>Ashwin NMR</b> (2020) Brown spot of sugarcane : an emerging disease in South Western region in India. <i>Journal of Sugarcane Research</i> 10:87–93. <a href="https://doi.org/10.37580/JSR.2020.1.10.87-93">https://doi.org/10.37580/JSR.2020.1.10.87-93</a>	3.96	
10	<b>Ashwin NMR</b> , Barnabas L, Ramesh Sundar A, Malathi P, Viswanathan R, Masi A, Agrawal GK, Rakwal R (2018). CfPDIP1, a novel secreted protein of <i>Colletotrichum falcatum</i> , elicits defense responses in sugarcane and triggers hypersensitive response in tobacco. <i>Applied Microbiology and Biotechnology</i> . 102: 6001-6021. <a href="https://doi.org/10.1007/s00253-018-9009-2">https://doi.org/10.1007/s00253-018-9009-2</a>	11.56	5.56
11	Barnabas L, <b>Ashwin NMR</b> , Nalayani K, Sundar AR, Malathi P, Viswanathan R (2018) Genetic and pathogenic variability among the Indian isolates of <i>Sporisorium scitamineum</i> causing sugarcane smut. <i>Journal of Sugarcane Research</i> 8:138–154. <a href="http://epubs.icar.org.in/ejournal/index.php/JSR/article/view/89992">http://epubs.icar.org.in/ejournal/index.php/JSR/article/view/89992</a>	3.96	
12	<b>Ashwin NMR</b> , Barnabas L, Ramesh Sundar A, Malathi P, Viswanathan R, Masi A, Agrawal GK, Rakwal R (2017) Comparative secretome analysis of <i>Colletotrichum falcatum</i> identifies a cerato-platanin protein (EPL1) as a potential pathogen-associated molecular pattern (PAMP) inducing systemic resistance in sugarcane. <i>Journal of Proteomics</i> , 169:2-20. <a href="https://doi.org/10.1016/j.jprot.2017.05.020">https://doi.org/10.1016/j.jprot.2017.05.020</a>	9.86	3.85
13	<b>Ashwin NMR</b> , Barnabas L, Ramesh Sundar A, Malathi P, Viswanathan R, Masi A, et al. (2017). Advances in proteomic technologies and their scope of application in understanding plant–pathogen interactions. <i>Journal of Plant Biochemistry and Biotechnology</i> , 26(4), 371-386. <a href="https://doi.org/10.1007/s13562-017-0402-1">https://doi.org/10.1007/s13562-017-0402-1</a>	7.53	1.525
14	<b>Ashwin NMR</b> , Barnabas EL, Ramesh Sundar A, Muthumeena M, Malathi P, & Viswanathan R (2017). Disease suppressive effects of resistance-inducing agents against red rot of sugarcane. <i>European Journal of Plant Pathology</i> , 149(2), 286-297. <a href="https://doi.org/10.1007/s10658-017-1181-1">https://doi.org/10.1007/s10658-017-1181-1</a>	8.22	2.24
15	Barnabas L, <b>Ashwin NMR</b> , Ramesh Sundar A, Malathi P, & Viswanathan R (2017). Putative orthologs of <i>Ustilago maydis</i> effectors screened from the genome of sugarcane smut fungus - <i>Sporisorium scitamineum</i> . <i>Australasian Plant Pathology</i> , 46, 147–156. <a href="https://doi.org/10.1007/s13313-017-0471-6">https://doi.org/10.1007/s13313-017-0471-6</a>	7.40	1.4
16	Barnabas EL, <b>Ashwin NMR</b> , Kaverinathan K, Trentin AR, Pivato M, Ramesh Sundar A, et al. (2016). <i>In vitro</i> secretomic analysis identifies putative pathogenicity - related proteins of <i>Sporisorium</i>	8.91	2.91

	<i>scitamineum</i> - the sugarcane smut fungus. <i>Fungal Biology</i> , 121(3), 199–211. <a href="https://doi.org/10.1016/j.funbio.2016.11.004">https://doi.org/10.1016/j.funbio.2016.11.004</a>		
17	Barnabas L, <b>Ashwin NMR</b> , Kaverinathan K, Trentin AR, Pivato M, Sundar AR, et al. (2016). Proteomic analysis of a compatible interaction between sugarcane and <i>Sporisorium scitamineum</i> . <i>Proteomics</i> , 16(7), 1111–1122. <a href="https://doi.org/10.1002/pmic.201500245">https://doi.org/10.1002/pmic.201500245</a>	11.39	5.393
18	Ramesh Sundar A, <b>Ashwin NMR</b> , Barnabas EL, Malathi P, & Viswanathan R. (2015). Disease resistance in sugarcane – an Overview. <i>Scientia Agraria Paranaensis</i> , 14(4), 200–212. <a href="https://doi.org/10.18188/1983-1471/sap.v14n4p200-212">https://doi.org/10.18188/1983-1471/sap.v14n4p200-212</a>		
19	Barnabas L, <b>Ramadass A</b> , Amalraj RS, Palaniyandi M & Rasappa V (2015). Sugarcane proteomics: An update on current status, challenges, and future prospects. <i>Proteomics</i> , 15(10), 1658–1670. <a href="https://doi.org/10.1002/pmic.201400463">https://doi.org/10.1002/pmic.201400463</a>	11.39	5.393
20	Barnabas EL, <b>Ashwin NMR</b> , Kaverinathan K, Ramesh Sundar A, Malathi P & Viswanathan R (2015). A report of <i>Ustilago cynodontis</i> infecting the bermuda grass - <i>Cynodon dactylon</i> in Coimbatore, Tamil Nadu. <i>Journal of Sugarcane Research</i> , 5(1), 77–80. ISSN: 2249-927X. <a href="https://sugarcane.icar.gov.in/images/sbi/article/jsr/pp51-9.pdf">https://sugarcane.icar.gov.in/images/sbi/article/jsr/pp51-9.pdf</a>	3.96	
21	Selvaraj N, <b>Ramadass A</b> , Amalraj RS, Palaniyandi M & Rasappa V (2014). Molecular profiling of systemic acquired resistance (SAR)-responsive transcripts in sugarcane challenged with <i>Colletotrichum falcatum</i> . <i>Applied Biochemistry and Biotechnology</i> , 174(8), 2839–50. <a href="https://doi.org/10.1007/s12010-014-1230-6">https://doi.org/10.1007/s12010-014-1230-6</a>	9.09	3.09
22	Muthiah M, <b>Ramadass A</b> , Amalraj RS, Palaniyandi M & Rasappa V (2013). Expression profiling of transcription factors (TFs) in sugarcane X <i>Colletotrichum falcatum</i> interaction. <i>Journal of Plant Biochemistry and Biotechnology</i> , 22(3), 286–294. <a href="https://doi.org/10.1007/s13562-012-0157-7">https://doi.org/10.1007/s13562-012-0157-7</a>	7.53	1.525