Research Publication in Journals:

S. No.	Title of research article/papers	Name of Journal	Year of pub., vol. no. & page nos.	Authors	ISBN /ISSN No.	Impact Factor
1.	First report of a begomovirus and associated betasatellite causing yellow vein mosaic disease of *Celosia cristata*	New Disease Reports	2023, 48, e12211 1-4	Priya Lager, Jyoti Sharma, **Yogesh Kumar**	2044-0588	0.97
2.	Molecular characterization of a begomovirus associated with leaf crumpling and severe mosaic disease of bell pepper	Australasian Plant Disease Notes	2023, 18: 32, 1-7	Priya Lager and **Yogesh Kumar**	1833-928X	1.07
3.	Alterations in biochemical components of bitter gourd, sponge gourd, and okra plants infected with *Tomato leaf curl New Delhi virus*	International Journal of Research and Analytical Reviews	2023 10(3): 633-648	Priya Lager and **Yogesh Kumar**	2349-5138	
4.	*Microstegium ciliatum* (Tribe: Andropogoneae, Subfamily Panicoideae Poaceae): a new record from shiwalik hills, Punjab, India	Annals of plant Sciences	Accepted for publication (2023)	**Ashok Kumar** A.S. Soodan	2287-688X]	-

	(Accepted)					
6.	The plant LIM proteins: unlocking the hidden attractions. Planta 246, 365–375	Planta	https://doi.org/10.1007/s00425-017-2715-7 (2017)	Srivastava, V., Verma, P.K.	1432-2048	4.3
7.	Hydrogen sulfide-mediated mitigation and its integrated signaling crosstalk during salinity stress.	Physiologia Plantarum	174(1), p.e13633 (2022).	Srivastava, V., Chowdhary, A.A., Verma, P.K., Mehrotra, S. and Mishra, S.,	1399-3054	6.4
8.	Hydrogen sulphide-mediated alleviation and its interplay with other signalling molecules during temperature stress.	Plant Biology,	24(4), pp.569-575. (2022)	Mishra, S., Chowdhary, A.A., Bhau, B.S. and Srivastava, V.	1438-8677	3.9
9.	The nuclear effector ArPEC25 from the necrotrophic fungus Ascochyta rabiei targets the chickpea transcription factor	The Plant Cell	35(3), pp.1134-1159. (2023)	Singh, S.K., Shree, A., Verma, S., Singh, K., Kumar, K., Srivastava, V., Singh, R., Saxena, S., Singh, A.P., Pandey, A.	1040-4651	12.085

	CaβLIM1a and negatively modulates lignin biosynthesis, increasing host susceptibility.			and Verma, P.K.		
10.	Signal crosstalk of phytomelatonin during salinity stress tolerance in plants. Plant Growth Regulation,	Plant Growth Regulations	101, 35-51 (2023)	Mishra, S., Bagal, D., Chowdhary, A.A., Mehrotra, S., Rai, G.K., Gandhi, S.G., Bhau, B.S., El-Demerdash, A. and Srivastava, V.,	0167-6903	4.2
11.	Plant salinity stress, sensing, and its mitigation through WRKY	Frontiers in Plant Science	14: 1238507 (2023).	Rai, G.K., Mishra, S., Chouhan, R., Mushtaq, M., Chowdhary, A.A., Rai, P.K., Kumar, R.R., Kumar, P., Perez-Alfocea, F., Colla, G., Cardarelli, M., Srivastava, V., and Gandhi, S.G.	1664-462X	5.6

12.	Stress-mediated regulation of plant specialized metabolism.	Frontiers in Plant Science	14, p.1290281 (2023).	Mishra, S., Mehrotra, S. and Srivastava, V.,	1664-462X	5.6
13.	Metabolic engineering in hairy roots: An outlook on production of plant secondary metabolites.	Plant Physiology and Biochemistry	p.107847., (2023)	Bagal, D., Chowdhary, A.A., Mehrotra, S., Mishra, S., Rathore, S. and Srivastava, V.,	0981-9428	6.5
14	Recent Advances in PGPRs and Their Application in Imparting Biotic and Abiotic Stress Tolerance in Plants.	Industrial Microbiology and Biotechnology. Springer, Singapore	(2023)	Joshi, B., Jena, S.N., Joshi, S.R., **Bhau, B.S.**		
15	Signal crosstalk of phytomelatonin during salinity stress tolerance in plants.	**Plant Growth Regulation**	**101**, 35–51 (2023).	Mishra S, Bagal D, Chowdhary AA, Mehrotra S, Rai GK, Gandhi SG, **Bhau BS,** Demerdash AE, Srivastava V		
16	Indirect organogenesis-mediated high frequency conversion of non-embryonic synthetic	*3 Biotech* 12	349 (2022)	Lalthafamkimi, L., Bhau, B.S., Kumar, S. Mukhia S, Kumar R, Banik D, Bhattacharya P		3.1

	seeds, essential oil profiling and antibacterial activity in genetically stable plants of Patchouli					
17	Hydrogen sulphide-mediated alleviation and its interplay with other signalling molecules during temperature stress	*Plant Biology*	*24*(4), 569-575.	Mishra, S., Chowdhary, A. A., **Bhau, B. S**., & Srivastava, V.	ISSN: 1438-8677	
18	Exploring the new dimensions of selenium research to understand the underlying mechanism of its uptake, translocation, and accumulation.	*Physiologia Plantarum*	, *171*(4), 882-895.	Raina, M., Sharma, A., Nazir, M., Kumari, P., Rustagi, A., Hami, A., **Bhau, B. S.,** Zargar, S. M., & Kumar, D.	ISSN: 1399-3054	6.4
19	Role of carbon dots in agricultural systems: Biotechnology and nanotechnology approach	Gogoi (Eds)*Carbon Dots in Agricultural Systems*	225-240.	Joshi, B., Khataniar, L., & **Bhau, B.**		
20	Phytoremediation of Heavy Metals from the Biosphere	John Wiley & Sons	Ltd.pp 95-127.	Mohan, I., Goria, K., Dhar, S., Kothari, R., **Bhau, B. S.,** &		

	Perspective and Solutions. In Pollutants and Water Management : Resources, Strategies and Scarcity			Pathania, D		
21	Direct organogenesis is mediated improvised mass propagation of *Pogostemon cablin*: A natural reserve of pharmaceutical biomolecules	South African Journal of Botany.		Lalthafamkimi L, Bhattacharya P, **Bhau BS**, Wann SB and Banik D (2020)		
22	Selection and validation of suitable reference genes for quantitative real time PCR analysis of gene expression studies in patchouli under Meloidogyne incognita attack and PGPR treatment	Gene Reports	**19:** 100625.	Borah B, Hussain M, Wann SB & **Bhau BS**		1.3
23	Gene expression analysis associated with agarwood formation in *Aquilaria*	Plant Physiology Reports		Islam MR, **Bhau BS** & Banu S		1.7

	malaccensis					
24	DNA barcoding of the genus *Nepenthes* (Pitcher plant): a preliminary assessment towards its identification	BMC Plant Biology	18: 153.	Gogoi B, & **Bhau BS**		5.9
25	Suppression of root-knot disease in *Pogostemon cablin* caused by *Meloidogyne incognita* in a rhizobacteria mediated activation of phenylpropanoid pathway.	Biological Control	119: 43–50.	Borah B, Ahmed R, Hussain M, Phukon P, Wann SB, Sarmah DK & **Bhau BS**		4.2
26	Plant–Environment Interaction: Influence of Abiotic Stress on Plant Essential Oil Yield and Quality. In *Metabolic Adaptations in Plants During Abiotic Stress*	CRC Press.	pp. 391-402.	Hussain, M., Gogoi, B., Joshi, B., Borah, B., Lalthafamkimi, L., & Bhau, B. S.		
27	Comprehending the evolution of gene editing platforms for crop trait	Frontiers in Genetics	2022, Volume 13, 1899	P Dhakate, D Sehgal, **S Vaishnavi,** A Chandra, A Singh, S	1664-8021 (Online)	3.7

	improvement			N Raina, V R Rajpal		
28	A comprehensive account of SARS-CoV-2 genome structure, incurred mutations, lineages and COVID-19 vaccination program	Future Virology	2022, Volume 17(9): 687-706	V R Rajpal, S Sharma, D Sehgal, A Singh, A Kumar, **S Vaishnavi,** M Tiwari, H Bhalla, S Goel, S N Raina	1746-0794 (print); 1746-0808 (web)	3.1
29	Mapping of SARS-CoV-2 spike protein evolution during the first and second waves of COVID-19	Future Virology	2022, Volume 17 (8): 557-575	V R Rajpal, S Sharma, A Kumar, **S Vaishnavi,** A Singh, D Sehgal, M Tiwari, S Goel, S N Raina	1746-0794 (print); 1746-0808 (web)	3.1
30	ANKLE1 as New Hotspot Mutation for Breast Cancer in Indian Population and Has a Role in DNA Damage and Repair in Mammalian Cells	Frontiers in Genetics	2021, doi: 10.3389/fgene.2020.609758	D. Bakshi, A. Katoch, S. Chakraborty, R. Shah, B. Sharma, A. Bhat, S. Verma, G. R. Bhat, A. Nagpal, **S. Vaishnavi,** A. Goswami and R. Kumar,	1664-8021	4.77