

## BIODATA

Name : **Dr. Priyanka Gautam**  
Designation : Senior Scientist  
Discipline : Agronomy  
Area of research : Nutrient Management, Fodder Agronomy,  
interest Submergence Rice  
Experience : 12 years (on December 2023)  
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### Academic qualifications

Degree	Subject	Year	Institute
Graduation	Agriculture	2008	SKUAS&T, Jammu, J&K
Post-graduation	Agronomy	2010	CSK HPKV, Palampur, H.P.
Ph.D.	Agronomy	2022	SKRAU, Bikaner, Rajasthan

### PUBLICATIONS

Research Papers: 80

Book Chapters: 15

Technical/Research Bulletins: 10

Popular articles: 40

Books: 3

Google Scholar Citations: 2370

### Ten Best Publications

Sl	Details of Publications	NAAS Score
1.	<b>Gautam Priyanka</b> , Bhunia SR, Sahoo A, Sawal RK, Rakshit S, Yadav VK, Lal B, Ramniwas, Gograj, Bishnoi R, Rathore VS (2023) Drip irrigation and sulphur fertilization influenced fodder yield, quality and water use efficiency of groundnut in arid region. <i>PLoS ONE</i> 18(8):e0288090. DOI: <a href="https://doi.org/10.1371/journal.pone.0288090">https://doi.org/10.1371/journal.pone.0288090</a>	9.70
2.	<b>Gautam Priyanka</b> , Lal B, Panda BB, Bihari P, Chatterjee D, Singh T, Nayak PK, Nayak AK (2021). Alteration in agronomic practices to utilize rice fallows for higher system productivity and sustainability. <i>Field Crops Research</i> DOI: 10.1016/j.fcr.2020.108005	11.80

3.	<b>Gautam Priyanka</b> , Lal B, Nayak AK, Raja R, Panda BB, Tripathi R, Shahid M, Baig MJ, Chatterjee D, Swain CK (2019). Inter-relationship between intercepted radiation and rice yield influenced by transplanting time, method, and variety. <i>International Journal of Biometeorology</i> 63, 337–349.	9.79
4.	<b>Gautam Priyanka</b> , Lal B, Tripathi R, Baig MJ, Shahid M, Maharana S, Bihari P, Nayak AK (2017). Impact of Seedling Age and Nitrogen Application on Submergence Tolerance of Sub1 and Non-Sub1 Cultivars of Rice ( <i>Oryza sativa</i> L.). <i>Journal of Plant Growth Regulation</i> 36, 629–642.	10.80
5.	<b>Gautam Priyanka</b> , Lal B, Tripathi R, Shahid M, Baig M J, Raja R, Maharana S and Nayak AK (2016). Role of silica and nitrogen interaction in submergence tolerance of rice. <i>Environmental and Experimental Botany</i> 125:98–109	11.70
6.	<b>Gautam Priyanka</b> , Lal B, Tripathi R, Shahid M, Baig M J, Maharana S, Puree S and Nayak AK (2016). Beneficial effects of potassium application in improving submergence tolerance of rice ( <i>Oryza sativa</i> L.). <i>Environmental and Experimental Botany</i> DOI: 10.1016/j.envexpbot.2016.04.005	11.70
7.	<b>Gautam Priyanka</b> , Lal B, Raja R, Tripathi R, Shahid M, Baig M J, Puree C, Mohanty S and Nayak AK (2016). Effect of simulated flash flooding on rice and its recovery after flooding with nutrient management strategies. <i>Ecological Engineering</i> 77:250-256.	10.04
8.	<b>Gautam Priyanka</b> , Nayak AK, Lal B, Bhattacharyya P, Tripathi R, Shahid M, Mohanty S, Raja R and Panda BB (2014). Submergence tolerance in relation to application time of nitrogen and phosphorus in rice ( <i>Oryza sativa</i> L.). <i>Environmental and Experimental Botany</i> 99: 159–166.	11.70
9.	<b>Gautam Priyanka</b> , Lal B, Raja R, Baig MJ, Haldar D, Rath L, Shahid M, Tripathi R, Mohanty S, Bhattacharyya P and Nayak AK (2014). Post–flood nitrogen and basal phosphorus management affects survival, metabolic changes and anti-oxidant enzyme activities of submerged rice ( <i>Oryza sativa</i> L.). <i>Functional Plant Biology</i> 41: 1284-1294.	9.10
10.	<b>Gautam Priyanka</b> , Lal B, Raja R, Baig MJ, Mohanty S, Tripathi R, Shahid M, Bhattacharyya P and Nayak AK (2015). Effect of nutrient application and water turbidity on submergence tolerance of rice ( <i>Oryza sativa</i> L.). <i>Annals of Applied Biology</i> 166(1), 90-104.	8.75