

List of Institutional Projects (on going)

S. No.	Project Code & Project Title	Team (Dr/ Mr/ Mrs.)	Period
1.	CRSCNIBSMSIL 201700400023 Development of super donors in rice carrying tolerance to multiple stresses (Bacterial leaf blight, Brown plant hopper and Blast)	Vinay Kumar Mallikarjuna, J. P.N. Sivalingam	2018-2024
2.	CRSCNIBSMSIL 201900200033 Deciphering silicon mediated defence against yellow stem borer in rice	Mallikarjuna, J. Vinay Kumar	2019-2023
3.	CRSCNIBSMSIL 202000100034 Cytological and molecular basis of organ specific resistance to blast disease in finger millet	S.K. Jain Mamta Choudhary Ashish Marathe	2020-2024
4.	CRSCNIBSMSIL 202101000046 Deciphering molecular mechanism and metabolic network involved in imparting resistance to biotic stress in plant	Vinay Kumar P.N. Sivalingam Mallikarjuna, J. Ashish Marathe	2021-2025
5.	CRSCNIBSMSIL 202100500042 Identification of novel genetic resources and genes in selected crop- pest system against biotic stresses	Mallikarjuna J. Pitchaimuthu P.N. Sivalingam Vinay Kumar Sridhar, J. Ashish Marathe	2021-2025
6.	CRSCNIBSMSIL 202101100047 Gene function analysis and mitigation strategies for biotic stresses in the selected crops- biotic stresses	Ashish Marathe P.N. Sivalingam Vinay Kumar Mallikarjuna, J.	2021-2026
7.	CRSCNIBSMSIL 202100500041 Impact of climate change on fitness and gut microbial diversity of fall army worm, <i>Spodoptera frugiperda</i>	Yogesh Yele R. K. Murali Baskaran Mamta Choudhary B.K.Choudhary	2021–2026
8.	CRSCNIBSMCIL 202200100049 Elucidating the effect of climate change on one health components in different agro climatic zones of India	B.K. Choudhary Mamta Choudhary Lata Jain Yogesh Yele Soumya Das	2022- 2026
9.	CRSCNIBSMSIL 202100300039	RK Murali Baskaran	2021 –2026

	Development of plant volatile organic compounds (VOCs) repository for pest management	Yogesh Yele K.C. Sharma	
10.	CRSCNIBSMSIL 202100400040 Monitoring, forewarning and estimation of economic losses due to biotic stress in rice/wheat crops using special and machine learning techniques	S. K. Ambast Mallikarjuna, J. S.K. Jain	2021-2025
11.	CRSCNIBSMCIL 202200300052 Evaluation of nano-formulation of insect pheromones	R. K. Murali Baskaran K. Subaharan	2023-2024
12.	CRSCNIBSMSIL 201800800031 Evaluation of allelopathic potential in rice and selected weeds for weed management	Anil Dixit Binod Kumar Choudhary	2018-2023
13.	CRSCNIBSMCIL 202100800044 Study of genomic variations related to stress adaptation in weed species from India	L. L. Kharbikar Anil Dixit Deepak Pawar V.K. Choudhary	2021-2026
14.	CRSCNIBSMCIL 202100600042 Pest dynamics and their management under conservation agricultural production system	Sridhar, J. L. L.Kharbikhar Anil Dixit T. K. Das V. K. Choudhary	2022-2027
15.	CRSCNIBSMSIL 202200200050 Developing antimicrobial biosurfactant producing bacterial resources for control of phytopathogens causing disease in chickpea	Sushil Kumar Sharma Lata Jain	2022-2026
16.	CRSCNIBSMSIL 202100700043 Exploring rhizospheric microbome diversity under emerging production systems in agriculture	Lata Jain S.K. Sharma T. K. Das V. K. Choudhary	2022-2025
17.	CRSCNIBSMSIL 202112000048 Pest risk analysis of agriculturally important potential invasive pest and diseases in India	K.C. Sharma S.K. Jain Soumya Das P. Moventhan	2021-2026