

RESUME



Name : RAMCHARANBHATTACHARYA

Designation : Principal Scientist

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Qualification	Ph.D (Molecular Biology and Biotechnology)
Area of Interest/Specialization	Transgenics and genomics for biotic stress tolerance, insect and pathogen resistance in Brassica crops, genome editing in plants
Academic Experience	21 years of research and 18 years of teaching experience in Plant Molecular Biology and Biotechnology
International Exposure	<ul style="list-style-type: none">• Postdoc. Institute of Biological Chemistry, Washington State University, WS, USA• Teaching post graduate course Principles of Genetic Engineering at ACARE, Yezin Agricultural University, Myanmar
Projects (National and International)	<p>Projects (National)</p> <ol style="list-style-type: none">1. Away forward to developing aphid-resistance in Indian mustard (<i>Brassica juncea</i>): Host- and virus-mediated gene silencing of parthenogenetic genes in mustard aphid; funded by SERB-DST. Duration: March 30, 2019-March 29, 20222. Genomics-led improvement of biotic and abiotic stress tolerance in mustard rape for economic and environmental sustainability; funded by DBT under Indo-UK (PORI), Duration 2018-2021 (Rs 108.096 lakh)3. Development of haploid inducer line, and enhancement of seed-meal quality in <i>Brassica juncea</i> through CRISPR/Cas mediated genome editing; funded by DBT Duration: Feb. 2018- Jan 2021 (Rs 50.39500 lakh)4. Functional genomics of Alternaria and drought tolerance in mustard; funded by NPTC, ICAR

Top 10 Peer Reviewed Publications	See below
Awards and Recognition	<ul style="list-style-type: none"> ❖ 'ISCA-Young Scientist Award' by Indian Science Congress Association for the year 2000-2001. ❖ Recipient of 'DBT Overseas Associateship Award 2004-05' for postdoctoral research at Washington State University, USA from DBT, Ministry of Science & Technology, Govt. of India ❖ 'Lal Bahadur Shastri Young Scientist Award for the biennium 2003-2004' awarded by ICAR, DARE, Govt. of India ❖ Member of National Core Group (BSMA, ICAR) for restructuring of <i>Common Academic Regulations</i> and course curriculum in Molecular Biology & Biotechnology ❖ Core member in National Agricultural Higher Education Project (NAHEP)-CAAST, a World Bank initiative ❖ Member of the selection committee HRD group of CSIR in the area of General Biology (Gen BIO-13: Genetics and Molecular Biology) ❖ Professor for the teaching discipline of Molecular Biology & Biotechnology, P.G. School, IARI, 2016-2019 ❖ <i>Preparation of PG course curriculum</i> in Molecular Biology & Biotechnology for Advanced Centre for Agriculture Research & Education (ACARE), Myanmar A Govt. of India initiative ❖ Resource person of XV Genetics Congress Trust for training of PG Teacher
Mentorship	Guided Ph.D students : 6 M.Sc students: 9 National postdoctoral fellow (DST): 3

Top 10 Peer Reviewed Publications:

S. No	Authors	Year	Title of the paper	Name of the journal, Vol. Year, pages	ISI Impact factor
1.	Bhatia V, Bhattacharya RC	2018	Host mediated RNAi of cuticular protein gene impaired fecundity in green peach aphid <i>Myzuspersicae</i>	<i>Pest Manag Sci.</i> 74(9):2059-68 doi: doi.org/10.1002/p s.4900	3.25
2.	Koramutla MK, Bhat D..... Bhattacharya	2016	Strength, stability phloem-specific promoters in Brassica juncea (L.)	<i>Frontier in Plant Science</i> 7:457. doi:	4.29

	RC			10.3389	
3.	Bhatia V, Maisnam J,..... Bhattacharya RC	2015	Aphid-repellent <i>farnesyl diphosphate synthase2</i>	<i>Annals of Botany</i> 115 :581-91	4.04
4.	Koramutla MK, Bhattacharya RC	2014	Elicitation of jasmonate-mediated aphid <i>Lipaphiserysimi</i> (Kalt.).	<i>Planta</i> 240 :177-94.	3.37
5.	Bhattacharya RC , Ryan CA	2013	Hydroxyproline-rich glycopeptide..... against insects and pathogens.	<i>Plant Science</i> 207 : 88-97.	3.71
6.	Bhatia V, Bhattacharya RC , Niranjan RS	2012	Host-generated siRNAs in <i>Myzus persicae</i> .	<i>PLoS One</i> 7 (10): e46343	3.73
7.	Bhatia Varnika, Uniyal Prem L., Bhattacharya RC	2011	Aphid resistance and emerging possibilities.	<i>Biotechnology Advances</i> 29 : 879-888.	11.45
8.	Pearce G, Bhattacharya RC , Ryan, CA	2009	Isolation and characterization of hydroxyproline-rich glycopeptide signals in black nightshade leaves.	<i>Plant Physiology</i> 150 : 1422-1433	7.39
9.	Pearce G, Siems WM, Bhattacharya RC , Ryan CA	2007	Three Hydroxyproline rich glycopeptides.....innate immune response	<i>J.Biological Chemistry</i> 282 (24): 17777-84	4.64
10.	Mondal KK, Bhattacharya RC , Koundal KR and Chatterjee SC	2007	Transgenic Indian mustard <i>Alternaria brassicae</i>	<i>Plant Cell Report</i> 26 (2): 247-252.	2.98