


BRIEF BIODATA

	Name: Rajashekara H		Year of birth: 1985																
	Qualification: PhD (Plant Pathology)																		
	Present position: Scientist (SS) (Plant Pathology)	Contact address: ICAR-Directorate of Cashew Research, Darbe (Post), Puttur-574 202, Dakshina Kannada, Karnataka Phone: 8791578163 Email: rajaiaripath@gmail.com Rajashekara.H@icar.gov.in																	
Brief work experience	<ul style="list-style-type: none"> • Developed an efficient spore drop method for isolation of blast pathogen from infected samples • Established eighty isolates of <i>Magnaportheoryzae</i> infecting rice and studied their race distribution pattern • Identified blast resistant sources and two rice germplasm IC121865 and IC199562 were registered in Plant Germplasm Registration Committee (PGRC) of Indian Council of Agricultural Research with accession no INGR19037 and INGR19038 respectively. • Associated in release of blast resistant varieties of finger millet (VL <i>Mandua</i> 376 and VL <i>Mandua</i> 379) through CVRC for different finger millet growing states • Associated in release of VL Sweet Corn Hybrid 2 (FSCH 75) and VL Maize Hybrid 57 (FH 3754) through CVRC for different maize growing states and both released varieties were resistant to turicum leaf blight and maydis leaf blight diseases 																		
Current areas of interest	Fungal Plant Pathology, cashew diseases and their management																		
Publications	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">a) Research papers</td> <td style="text-align: right;">: 25</td> </tr> <tr> <td>b) Other publications (Short communications etc.)</td> <td style="text-align: right;">: 02</td> </tr> <tr> <td>c) Books</td> <td style="text-align: right;">: 02</td> </tr> <tr> <td>d) Book chapters</td> <td style="text-align: right;">: 10</td> </tr> <tr> <td>e) Popular articles</td> <td style="text-align: right;">: 04</td> </tr> <tr> <td>f) Technical bulletins</td> <td style="text-align: right;">: Nil</td> </tr> <tr> <td>g) Extension leaflets</td> <td style="text-align: right;">: 06</td> </tr> <tr> <td>h) Abstract/extended summaries in Conference/seminar</td> <td style="text-align: right;">: 15</td> </tr> </table>			a) Research papers	: 25	b) Other publications (Short communications etc.)	: 02	c) Books	: 02	d) Book chapters	: 10	e) Popular articles	: 04	f) Technical bulletins	: Nil	g) Extension leaflets	: 06	h) Abstract/extended summaries in Conference/seminar	: 15
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Representative research papers	<ol style="list-style-type: none"> 1. Kumar, M., Kumar, A., Sahu, P.K., Patel, A., Reddy, B., Sheoran, N., Charishma, K., Rajashekara, H., Bhagat, S. and Rathour, R (2021) Deciphering core-microbiome of rice leaf endosphere: revelation by metagenomic and microbiological analysis of aromatic and non-aromatic genotypes grown in three geographical zones, <i>Microbiological</i> 																		

Research, <https://doi.org/10.1016/j.micres.2021.126704>. (M045)

2. Jeevan, B., Gogoi, R., Sharma, D., Manjunatha, C., **Rajashekara, H.**, Ram, D., Mishra, K. K., and Mallikarjuna, M.G. (2020) Genetic analysis of maydis leaf blight resistance in subtropical maize (*Zea mays* L.) germplasm. *Journal of Genetics*. 99:89. (J256)
3. Aeron, A., Khare, E., Jha, C.K. Meena, V.S., Aziz, S.M.A., Islam, M.T., Kim, K., Meena, S.K., Pattanayak, A., **Rajashekara, H.**, et al. (2020). Revisiting the plant growth-promoting rhizobacteria: lessons from the past and objectives for the future. *Arch Microbiol* 202, 665–676. (A276)
4. **Rajashekara, H.**, Prakash, G., Pandian, R.T.P., Sarkel, S., Dubey, A., Sharma, P., Chowdary, V., Mishra, D., Sharma T.R and U.D. Singh. (2016). An efficient technique for isolation and mass multiplication of *Magnaportheoryzae* from blast infected samples. Special issue of *Indian Phytopathol*. 69(4): 68-71. (I105)
5. Kumari, Mandeep, Devanna, B. N., Singh, P. K., **Rajashekara, H.**, Sharma, V., Sharma, T. R. (2018). Stacking of blast resistance orthologue genes in susceptible indica rice line improves resistance against *Magnaportheoryzae*. *3 Biotech*. 8(1): 37-54. (B130)
6. Subbanna, A.R.N.S., **Rajashekara H.**, Stanley J., Mishra K.K and Pattanayak A. (2018). Pesticidal perspectives of chitinolytic bacteria in agricultural pest management. *Soil Bio. & Biochem*. 116:52-66. (S052)
7. Joshi, D. C., Sood, S., **Rajashekara H.**, Kant, L., Pattanayak, A., Kumar, A., Yadav, D and Stetter, M. G (2018) From zero to hero: the past, present and future of grain amaranth breeding. *Theoretical and Applied Genetics*. 1-17. (T056)
8. **Rajashekara, H.**, Ellur, R.K., Khanna, A., Nagarajan, M., Krishnan, S. G., Singh, A. K., Sharma, P., Sharma, T. R and Singh U. D. (2014). Inheritance of blast resistance and its allelic relationship with five major R genes in a rice landrace “Vanasurya” *Indian Phytopathol*, 67 (4): 365-369. (I105)
9. Mandeep K., Amit K, Rai. Devanna, B. N., Singh, P. K., Kapoor, R., **Rajashekara. H.**, Prakash, G., Sharma V and Sharma T. R. (2017). Co-transformation mediated stacking of blast resistance genes Pi54 and Pi54rh in rice provides broad spectrum resistance against *M. oryzae*. *Plant Cell Rep*. DOI 10.1007/s00299-017-2189-x (P096)
10. Ranjith K. E., Apurva K., Yadav. A, Pathania, S., **Rajashekara, H.**, Singh, V. K., Gopala Krishnan, S., Bhowmick, P.K., Nagarajan, M., Vinod, K.K., Prakash, G., Mondal, K. K., Singh, N. K., Vinod, K, Prabhu and Singh, A. K. (2015). Improvement of Basmati rice varieties for resistance to blast and bacterial blight diseases using marker assisted backcross breeding. *Plant Science* 242:330–

	<p>341.(P116)</p> <p>11. Khanna Apurva., Vinay, Sharma., Ranjith, K, Ellur., Asif, Shikari, B., Gopala, Krishnan, S., U. D. Singh., Prakash, G., Sharma, T. R., Rajeev Rathour., Mukund, Variar., Prashanthi, S. K., Nagaraj, M., Vinod, K. K., Bhowmick, Prolay., Rajashekara, H., Singh, N. K., Prabhu, K.V and Singh, A. K. (2015). Marker assisted pyramiding of major blast resistance genes Pi9 and Pita in the genetic background of an elite Basmati rice variety, Pusa Basmati 1. <i>Indian Journal of Genetics and Plant Breeding</i>. 75 (4): 417-425.(I064)</p> <p>12. Abdul Fiyaz R, Gopala Krishnan. S., Rajashekara, H., Ashutosh K Yadav, Bashyal, B.M., Bhowmick, P. K., Singh, N. K., Prabhu, K. V and Singh, A.K. (2015). Development of high throughput screening protocol and identification of novel sources of resistance against bakanae disease in rice (<i>Oryza sativa</i> L.). <i>The Indian Journal of Genetics and Plant Breeding</i>. 74 (4).(I064)</p> <p>13. Asif, B S, Rajashekara, H., Khanna, A., Krishnan, S, G., Rathour, R., Singh, U.D., Sharma, T R., Prabhu, K. V and Singh, A.K (2014) Identification and validation of rice blast resistance genes in Indian rice germplasm <i>Ind. Jour. of Gen and Plant Bree</i>.74 (3): 286-299.(I064)</p> <p>14. Rajashekara, H., Reddy, P.K., Panduranga, G.S and Koulagi R (2012) Effects of time of planting and irrigation levels on incidence of potato stem necrosis disease (PSND). <i>Environment and Ecology</i>.30(3)1027-1029. (E071)</p> <p>15. Dubey, AK.,Pandian, RTP.,Rajashekara, H., Singh, VK., Kumar, G.,Sharma, P., Kumar, A.,Krishnan, G.S.,Singh, A.K.,Rathour, R and Singh U.D. (2014) Phenotyping of improved rice lines and landraces for blast and sheath blight resistance. <i>Indian J. Genet</i>.74 (4)499-501. (I064)</p>
Awards received	<ul style="list-style-type: none"> • Awarded M J Narasimhan Academic Merit Award for PhD thesis from Indian Phytopathological Society, New Delhi-12
Trainings Undergone	<ol style="list-style-type: none"> 1. Attended 21 days CAFT training program on whole genome sequencing of plant pathogens: Methods and Applications. ICAR-IARI, New Delhi from 29th December 2017 to 18th January 2018. 2. Attended 4 days training on current trends in agricultural bioinformatics. ICAR-NAARM, Hyderabad from 22 -25 September, 2015.
Any other relevant information	<ul style="list-style-type: none"> • Life member of Indian Phytopathological Society, New Delhi-12