


### Brief Biodata of Dr. Arunakumar G. S.

Current Position Name of the Department / Section/Division	Scientist-C & Head Mulberry Pathology & Molecular Biology Lab-I					
Educational Qualification	M. Sc. (Agri.) in Plant Pathology Ph. D., in Plant Pathology <b>with Gold Medal</b> PGDMM, PGDMCJ & PGDRD (3 PG diplomas)					
Name & Address of the Organization	Central Sericultural Research and Training Institute, Srirampura, Manandavadi Road, Mysuru – 570008 Central Silk Board, Ministry of Textiles, Govt. of India, 0821-2362406, 2362440 Extn. 219/222, Fax:0821-2362845					
Email ID	<a href="mailto:arunarvind22@gmail.com">arunarvind22@gmail.com</a>					
Research Experience	12 years					
Current Research Focus	Host Plant Resistance, Host Plant Improvement, Pathogen Diagnosis, molecular characterization, Survey and Disease management, Transcriptomics, Flow cytometry, SSR & SNP genotyping.					
Research Interests	Identification of root rot resistance QTLs, Host Plant Improvement with enhanced resistance to diseases, Plant Protection measures for integrated disease management					
No. of projects handled	As PI	4 (2 concluded 2 ongoing)	As Co-PI	5 (2 concluded + 3 ongoing)		
Total project cost	Rs. 258 lakhs	Funding agency	DBT, New Delhi & CSB, Bengaluru			
No. of papers published	National	7	International	17		
No. of books and book chapters	National	2	International	1 (Chapter)		
No. of sequences submitted to NCBI GenBank database	ITS	124	$\beta$ - tubulin	42	TEF	49
No. papers presented in conferences	National	10	International	10		
No. of research abstracts published	National	25	International	21		
No. of popular articles	06	No. of pamphlets		01 in five languages		
No. of awards received	14	No. of first report of disease causing organisms			7	
No. of students supervised	M. Sc.	30	B. Sc.	4		
<b>Details of educational qualification</b>						
<b>Degree</b>	<b>Specialization</b>	<b>Name of the University</b>		<b>Period</b>		
<b>Ph. D.</b>	Plant Pathology	University of Agricultural Sciences, Dharwad		2010-2013		
<b>M. Sc. (Agri.)</b>	Plant Pathology	University of Agricultural Sciences, Dharwad		2007-2008		
<b>B. Sc. (Agri.)</b>	Agriculture	University of Agricultural Sciences, Bengaluru		2002-2006		
<b>PGDMM</b>	Marketing management	Karnataka State Open University, Mysuru		2011		
<b>PGDMCJ</b>	Mass Communication and Journalism	Karnataka State Open University, Mysuru		2012		
<b>PGDRD</b>	Rural Development	Indira Gandhi National Open University, New Delhi		2014		

<b>Facilities created</b>	Glasshouse (Renovated), Green shade net house, Root structure for mulberry soil-borne disease screening and 400 diverse mulberry germplasm resources. Well maintained mulberry pathology and molecular biology lab facilities					
<b>Equipments procured to Mulberry pathology and Mol. Bio. Lab</b>	Cooling incubator, Ice making machine, Leaf area meter, -80 °C deep freezer, Germin GPS machine, Handheld moisture and thermometer, Gel electrophoresis units, Single and Multi channel pipettes					
<b>Knowledge on Software's for data analysis</b>	R & R studio, IBM SPSS, GenAIEx V6.5 & MEGA-X					
<b>Organizing committee member of workshop /symposium/Seminar/conference /meeting</b>	Institutional	7	National	02	International	02
<b>Lectures delivered in universities/seminars/i ndustry meets</b>	Enrolled	04		Invited		16
<b>Experience as</b>	<b>Name of the employer</b>	<b>Place of work</b>	<b>Period</b>		<b>No. of years</b>	
			<b>From</b>	<b>To</b>		
Field trainee	Bayer crop science Pvt. Ltd.	Chikmagaluru	May, 2006	August, 2006	3 months	
Marketing Executive	Mangalore chemicals and fertilizers Ltd.	Madikeri (Kodagu dt.)	July, 2008	July, 2009	1 year	
Territory production manager	Syngenta India Ltd.	Ranebennur	August, 2008	May, 2010	9 months	
SRF	Wheat scheme	UAS, Dharwad	May, 2010	October, 2013	3 years 6 months	
RA	Wheat scheme	UAS, Dharwad	November, 2013	October, 2015	2 years	
Scientist-B	CSRTI, Central Silk Board	Mysuru	November, 2015	June, 2019	3 years 8 months	
Scientist-C	CSRTI, Central Silk Board	Mysuru	July, 2019	Till date	3+ years	
<b>Experience as various committee member at CSRTI-Mysuru</b>	<ul style="list-style-type: none"> <li>➤ Purchase Review Committee (PRC)</li> <li>➤ Punishing/Disciplinary authority</li> <li>➤ Official language implementation committee (OLIC)</li> <li>➤ Panel member for selection of research fellow in various projects</li> <li>➤ Editorial committee member of Indian Journal of Sericulture (IJS)</li> <li>➤ Annual report publication committee (2019-20)</li> <li>➤ Dead stock verification</li> <li>➤ Life member of the “Krishi Munnade”</li> <li>➤ Member of the Indian Phytopathological society, New Delhi</li> </ul>					
<b>Reviewer of research papers in the international journals</b>	Plant Disease (Journal of American phytopathological society) Current microbiology					
<b>External examiner (02)</b>	Dept. of Plant Pathology, UAS, Dharwad Dept. of Sericulture, UAS, Bengaluru					
<b>Countries visited (04)</b>	UAE (Dubai), Nepal (Kathmandu), Turkey (Istanbul) and Romania (Cluj)					
<b>Board Member (01)</b>	Dept. of Sericulture, Yuvaraja College, Mysuru, University of Mysore, Mysuru					

Details of top five publications indicating citation index/NAAS rating/ impact factor

Paper details	NAAS Rating	Impact Factor
Gnanesh, B. N., <b>Arunakumar, G. S.</b> , Tejaswi, A., Supriya, M., Manojkumar, H. B., & Devi, S. S. (2022). Characterization and Pathogenicity of <i>Lasiodiplodia theobromae</i> Causing Black Root Rot and Identification of Novel Sources of Resistance in Mulberry Collections. <i>The plant pathology journal</i> , 38(4), 272.	7.80	2.321
<b>Arunakumar GS</b> , Gnanesh BN, Manojkumar HB, Doss Gandhi S, Mogili T, Sivaprasad V and Pankaj Tewary (2021). Genetic Diversity, Identification and Utilization of Novel Genetic Resources for Resistance to Meloidogyne incognita in Mulberry ( <i>Morus</i> spp.). <i>Plant Disease</i> . PDIS-11-20-2515-RE.R1	10.44	4.614
Gnanesh BN, Tejaswi A, <b>Arunakumar GS</b> , Supriya M, Manojkumar HB and Pankaj Tewary 2020. Molecular phylogeny, identification and pathogenicity of <i>Rhizopus oryzae</i> associated with root rot of mulberry in India. <i>Journal of Applied Microbiology</i> . <a href="https://doi.org/10.1111/jam.14959">https://doi.org/10.1111/jam.14959</a>	9.77	4.061
<b>Arunakumar GS</b> , Gnanesh BN, Pooja D and Sivaprasad V (2019) First report of <i>Setosphaeria rostrata</i> causing leaf spot on mulberry in India. <i>Plant Disease</i> . <a href="https://doi.org/10.1094/PDIS-08-18-1424-PDN">https://doi.org/10.1094/PDIS-08-18-1424-PDN</a>	10.44	4.614
<b>Arunakumar GS</b> , Gnanesh BN, Supriya M and Sivaprasad V (2019) First Report of <i>Nigrospora sphaerica</i> Causing Shot Hole Disease on Mulberry in India." <i>Plant Disease</i> , 103(7), pp. 1783. <a href="https://doi.org/10.1094/PDIS-12-18-2204-PDN">https://doi.org/10.1094/PDIS-12-18-2204-PDN</a>	10.44	4.614

Hereby, I assure that the information furnished above is true of my best knowledge.

Yours faithfully

Thanking you

[Arunakumar G S]