Resume

Name : Dr. S. Gandhi Doss
Designation: Scientist – D
Department/ Institute/ University : Mulberry Breeding and Genetics Lab., Central Sericultural Research and Training Institute (CSR&TI), Central Silk Board, Govt. of India, Srirampura, Manandavadi Road, Mysuru-570008. Karnataka, India.
Phone: +9108212362879; Fax: 08212362845; Mobile: +919482716691; +918618493018
e-mail: sgdoss.csb@nic.in; sgdoss@gmail.com

Date of Birth : 02-05-1968
Sex (M/F): M
Area of research Interest: Plant breeding, plant physiology, leaf senescence, plant tissue culture and Plant resistance to biotic and abiotic stresses

Education (Post-Graduation onwards & Professional Career)

Sl No.	Institution Place	Degree Awarded	Year	Field of Study
1	Madurai Kamaraj University (Tamil Nadu)	M. Sc.	1990	Botany (Plant Physiology & Biochemistry)
2	Kalyani University (West Bengal)	Ph. D.	2009	Botany (Plant Breeding, Plant Anatomy & Physiology)

Position and Honors

Position and Employment (Starting with the most recent employment)

Sl No.	Institution and Place	Position	From	To
1	Central Sericultural Research and Training Institute, Mysuru, Karnataka.	Scientist-D	01-01-2015	Till date
2	-do-	Scientist-C	16-06-2010	31-12-2014
3	Central Sericultural Research and Training Institute, Berhampore. West Bengal.	-do-	01-01-2010	15-06-2010
4	-do-	Scientist –B / Senior Research Officer	23-02-2004	31-12-2009
5	-do-	Senior Research Assistant	23-02-1994	22-02-2004
6	Dept. of Bio-energy, School of Energy Sciences, Madurai Kamaraj Univ., Madurai. Tamil Nadu.	Junior Research Fellow	01-09-1992	15-02-1994

Honors/Awards:

1. Awarded Junior Research Fellowship by CSIR (Council of Scientific & Industrial Research), New Delhi during 1991
2. Awarded GATE (Graduate Aptitude Test in Engineering) during 1996
3. Awarded GATE during 1997
4. Awarded CSIR-NET (National Eligibility Test) for Asst. Prof. by CSIR, New Delhi during 1999
5. Awarded with Rama Devi Award 2016 (Gold medal and citation) for outstanding contribution and research in the field of Mulberry Breeding and Genetics by APSI (Academy of Plant Sciences India, Meerut, Utter Pradesh, during 26th APSI scientists' Meet and National Conference on "Emerging Trends in Biotechnology for Agriculture, Medicine and Environment" held on 18-19 Nov. 2016 at Mahila PG College, Jodhpur, Rajasthan.

Professional Experience and Training:

Sl. No.	Training conducted by	Period	Topic/subject specialized
1	CSR&TI, Berhampore, West Bengal.	01-10-1994 – 31-03-1995	Foundation Course on Sericulture.
2	Community Polytechnic, Murshidabad Instituite of Technology, Murshidabad. West Bengal.	14-07-2003 – 20-07-2003	Short Term Computer Training Course on Computer Applications.
3	IIT (Indian Institute of Technology), Kharagpur, West Bengal.	22-09-2009 – 23-09-2009	Bioinformatics in Genomics and Proteomics.
4	IIT, Guwahati, Assam.	16-11-2009 – 21-11-2009	Application of molecular tools in crop improvement.
5	CSRTI, Mysuru.	19-11-2013 – 20-11-2013	Bioinformatics and its applications.

B. Publications:

Book: 1 ; Chapters in books: 2; Research Papers: 32; Reports: 3; General articles: 5; Seminar/Conference: 33; Total – 76;
Others: Variety developed in mulberry: 02 (C2038; C2047); Mulberry leaf disc regeneration protocol: 1; Protocol for mulberry gynogenic haploid production: 1
ResearchGate score – 12.47 ; Publons ID: publons.com/a/1227043/;
Orcid ID: orcid.org/0000-0001-8064-708X; Google scholar h-index:15; i10 index: 28 ;
Total no. of citations: 872

Selected peer-reviewed publications

1. **Doss, S.G.,** Vijayan, K., Rahman, M. S, S. P. Chakraborti and B. N. Roy (2000). Effect of plant density on growth, yield and leaf quality in triploid mulberry. ***Sericologia*.** 40(1):175-180.
2. **Doss, S. G.,** M. S. Rahman, S. Debnath, M. K. Ghosh, H. Sau, P. L. Ghosh and A. Sarkar (2006). Variability, heritability and genetic advance in nine germplasm lines of mulberry (*Morus* spp.). **Indian J. Genet.,** 66(2):169-170.
3. **Gandhi Doss, S.** Chakraborti, S. P., Roychowdhuri, S., Vijayan K. and Ghosh P. D. (2011). Character association in improved mulberry genotypes exhibiting delayed leaf senescence. **J. Ornam. Horti. Plants**. 1(2):85-95.
4. **Gandhi Doss, S.** Chakraborti, S. P., Chattopadhyay, S., Das, N. K., Vijayan K. and Ghosh P. D. (2011). Physiological and biochemical characteristics associated with leaf retention in mulberry (*Morus* spp.). **Open J. Genet**. 1(3):27-33.
5. Chattopadhyay, S., **Gandhi Doss, S.,** Halder, S., Ali, K. A. and Bajpai, A. K. (2011). Comparative micropropagation efficiency of diploid and triploid mulberry (*Morus alba* cv. S-1) from axillary buds. **African J Biotechnol**. 10(79):18153–18159
6. Rahman, M. S., **Doss, S. G.,** S. Debnath, S. Roy Chowdhuri, P. L. Ghosh and A. Sarkar (2006). Gentic variability and correlation studies of leaf characters in some mulberry (*Morus* spp.) germplasm accessions. **Indian J. Genet**., 66(4):359-360.
7. Vijayan, K., **Doss, S. G.,** Chakraborti, S. P. and Ghosh, P. D. (2009). Breeding for salinity resistance in mulberry (*Morus* spp.). ***Euphytica*.** 169(3):403-411.
8. Chattopadhyay, S. Ali, K. A., **Doss, S. G.,** Das, N. K., Aggarwal, R. K., Bandopadhyay, T. K., Sarkar, A. and Bajpai, A. K. (2010). Evaluation of mulberry germplasm for resistance to powdery mildew in the field and greenhouse. **J. Gen. Plant Pathol**. 76:87-93.
9. Chattopadhyay, S. Ali, K. A., **Doss, S. G.,** Das, N. K., Aggarwal, R. K., Bandopadhyay, T. K., Sarkar, A. and Bajpai, A. K. (2011). Association of leaf micromorphological characters with powdery mildew resistance in field grown mulberry (*Morus* spp.) germplasm. **AoB Plants**.doi:10.1093/aobpla/plr002.
10. **Gandhi Doss, S.,** S. P. Chakraborti, S. Roychowdhuri, N. K. Das, K. Vijayan, P. D. Ghosh, M. V. Rajan, S. M. H. Qadri (2012). Variability, heritability and genetic advance in mulberry (*Morus* spp.) for growth and yield attributes. **Agricultural Sciences** 3(2):208-213. DOI: 10.4236/as.2012.32024.
11. **Gandhi Doss, S.** Chakraborti, S. P., Roychowdhuri, S., Das, N. K., Vijayan K. and Ghosh P. D. (2012). Development of mulberry varieties for sustainable growth and leaf yield in temperate and subtropical regions of India. ***Euphytica*.** 185:215-225. DOI: 10.1007/s10681-011-0523-x.

Ongoing Research Projects

Sl No.	Title of Project	Duration
1	Evaluation of superior triploid genotypes for yield and adaptability under varied agro-climatic conditions.	Mar. 2018 – Feb. 2024

Completed Research Projects (last 3 years)

Sl No.	Title of Project	Duration
1	Evaluation of mulberry genetic resources for functional traits associated with resilience to climate change	Aug. 2016 – July 2019
2	Development of disease resistant and productive mulberry genotypes with special reference to root-rot and root-knot diseases suitable to the seri-zones of south India.	Jan. 2012 – Dec. 2017

Place : Mysuru
Date : 03-06-2020

Signature of Investigator