


Dr Ramajayam Devarajan

	<p>Name: Dr Ramajayam Devarajan Designation: Head (RC, Koraput) & Principal Scientist (Horticulture) Date of Birth: 10-06-1974 Area of Specialization: Watershed Management, <i>Jhum</i> cultivation, S&WC technologies for fruit plants, S&WC technologies for salt affected soils, Processing & Value addition of Fruits, Fruit breeding, Tissue culture, Molecular markers, Germplasm conservation Email ID: Ramajayam.Devarajan@icar.gov.in; ramajayamd@gmail.com; @yahoo.co.in; @hotmail.com ERP ID: 015807 Mobile: +91-8333027598 & 8072833120; Phone(o): 06853-220125</p>
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Education

Degree	Year of Passing	University/Institution
Ph.D. (Horticulture) in Pomology	2011	Indian Agricultural Research Institute, New Delhi
M.Sc. (Horticulture) in Post harvest technology of Horticultural crops	2000	University of Agricultural Sciences, Bengaluru
B.Sc. (Horticulture)	1997	Tamil Nadu Agricultural University, Coimbatore

Professional History

Position	Year	Organization
Head	31.07.2023 to till date	ICAR- Indian Institute of Soil & Water Conservation, RC-Koraput, Odisha.
Principal Scientist (Horticulture)	13.03.2017 to 30.07.2023	ICAR-National Research Centre for Banana, Tiruchirapalli, Tamil Nadu.
Principal Scientist (Horticulture)	10.10.2016 to 12.03.2017	ICAR-Indian Institute of Oil Palm Research, Pedavegi, Andhra Pradesh.
Senior Scientist (Fruit science)	10.10.2013 to 09.10.2016	ICAR-Indian Institute of Oil Palm Research, Pedavegi, Andhra Pradesh.
Senior Scientist (Horticulture)	22.03.2012 to 09.10.2103	ICAR Research Complex for North Eastern Hill Region, Arunachal Pradesh Centre, Basar.
Scientist (Horticulture-Fruit science)	26.08.2003 to 21.03.2012	ICAR- Indian Institute of Soil & Water Conservation, RC-Bellary, Karnataka.
Scientist (Horticulture-)	16.04.2003 to 25.08.2003	ICAR-National Academy of Agricultural Research Management, Hyderabad

Fruit science)		
Research Associate	25.10.2001 to 31.03.2003	ICAR-National Research Centre for Banana, Tiruchirapalli, Tamil Nadu.
Senior Research Fellow	25.10.2000 to 24.10.2001	ICAR-National Research Centre for Banana, Tiruchirapalli, Tamil Nadu.

Publications (summary)

S. No.	Publication	Number
1	Research Publications	43
	National	29
	International	14
2	Books	2
	Authored	1
	Edited	1
3	Book Chapters	12
4	Lead Papers	1
5	Radio talks	1
6	Technical/Research Reports/ Compilation / Bulletins	7
7	Training Manual	01
8	Extension Folders/leaf lets	5
9	Symposia/Workshop/Seminar Papers	10
10	Popular article	9
11	Professional Trainings attended	6
12	Consultancy project handled (Leader in 0 & Associated in 3)	3
13	No. of training organized	4
	Short duration sponsored training (Trained : 50)	2
	Soil Conservation Regular Training Course: (5 ½ or 4 months duration) (Trained: 0)	0
	B.Tech students Field Practical training- one to two months (No Students: 50)	2
14	Seminars/Symposia/Workshops/Summer or Winter School/ Organized	2
15	External projects handled	16

Most important 5 Publications

- Devarajan, R.**, Jayaraman, J.K., Somasundaram, S.M., Ragupathy, S., Raman, P., Sathiamoorthy, K. and Subbaraya, U., 2021. Genetic diversity in fresh fruit pulp mineral profile of 100 Indian Musa accessions. *Food chemistry*, 361, p.130080. <https://doi.org/10.1016/j.foodchem.2021.130080>.
- Vignesh Kumar, B., Backiyarani, S., Chandrasekar, A., Saranya, S., **Ramajayam, D.**, Saraswathi, M.S., Durai, P., Kalpana, S. and Uma, S., 2020. Strengthening of banana

breeding through data digitalization. *Database*, 2020, p.baz145. doi: 10.1093/database/baz145.

3. Saminathan, T., Bodunrin, A., Singh, N.V., **Devarajan, R.**, Nimmakayala, P., Jeff, M., Aradhya, M. and Reddy, U.K., 2016. Genome-wide identification of microRNAs in pomegranate (*Punica granatum* L.) by high-throughput sequencing. *BMC plant biology*, 16, 122, pp.1-16. <https://doi.org/10.1186/s12870-016-0807-3>.
4. Babu, B.K., Mathur, R.K., Kumar, P.N., **Ramajayam, D.**, Ravichandran, G., Venu, M.V.B. and Babu, S.S., 2017. Development, identification and validation of CAPS marker for SHELL trait which governs dura, pisifera and tenera fruit forms in oil palm (*Elaeis guineensis* Jacq.). *PLoS One*, 12(2), p.e0171933. <https://doi.org/10.1371/journal.pone.0171933>.
5. Singh, N.V., Abburi, V.L., **Ramajayam, D.**, Kumar, R., Chandra, R., Sharma, K.K., Sharma, J., Babu, K.D., Pal, R.K., Mundewadikar, D.M. and Saminathan, T., 2015. Genetic diversity and association mapping of bacterial blight and other horticulturally important traits with microsatellite markers in pomegranate from India. *Molecular Genetics and Genomics*, 290, pp.1393-1402. doi: 10.1007/s00438-015-1003-0.

Google Scholar link

<https://scholar.google.com/citations?user=wxCQZrgAAAAJ&hl=en>

ResearchGate link

<https://www.researchgate.net/profile/Devarajan-Ramajayam>

Awards/Fellowships/Recognitions

S. No.	Name of the Award/Fellowship /Recognition	Awarding organization	Year of award
1	Awarded for three months International Training on 'Marker Assisted Selection' at West Virginia State University, USA.	ICAR	2014
2	Certificate for securing First Rank in the Division of Horticulture for PhD	ICAR-IARI, New Delhi	2011
3	Certificate of Appreciation as Outstanding in the Winter School on "Recent Advances in Design and Analysis of Agricultural Experiments.	ICAR-IASRI, New Delhi	2011
4	Awarded for the Peerless Oral presentation in the National Conference (1), International Conference (1) and Best poster in the National Conference (1), International Symposium (1) & International Conferences (2).	Society for Promotion of Horticulture (ICAR-IIHR) & ICAR-NRCB	2016, 2017 & 2021
5	Awarded ICAR-JRF and ICAR-SRF to pursue P.G. degrees (M.Sc. & Ph.D.)	ICAR	2000 & 2007
6	RSO (Radiological safety Officer) for the Gamma Irradiation Chamber (Category-I irradiator)	Bhabha Atomic Research Centre, Mumbai	2019-2023
7	Post Graduate Diploma in Technology Management in Agriculture (PGD-TMA-2020) (Distance Education	ICAR-NAARM and University of	Pursuing

	Mode)	Hyderabad	
8	Certificate for completion of 'Executive Programme in Leadership & Change Management' (10 months: 19 th February to 17 th December, 2022)	Indian Institute of Management Tiruchirapalli (IIM-T)	2022
8.	External Examiner for PhD thesis evaluation/Final viva-voce	ICAR-IARI, ICAR-IIHR, TNAU, UHS, Dr. YSR&HU, NAU, AAU-Gujarat, KL University	2014-2023

Research Projects:

Total Project handled as PI and Co-PI: 35

Research Projects as PI (On-going): Nil

Research Projects as PI (Concluded):

	Institute Funded	Period
1	Production of doubled haploids for improvement of bananas (<i>Musa x paradisiaca</i> L.) (IXX13999)	2017-23
2	Identification and evaluation of superior clones of cvs. Ney poovan (AB) and Grand Naine (AAA)	2018-23
3	Productivity maximization of tissue culture banana var. Grand Naine through improved agro-techniques in the mid hills of Arunachal Pradesh (IXX09778)	2012-13
4	Evaluation of tropical and subtropical fruit trees (IXX08906)	2012-13
5	Flagship programme on temperate fruits for the improvement of productivity and rejuvenation of senile orchards in Arunachal Pradesh (IXX09827)	2012-23
6	Improvement of <i>Jhum</i> through horticulture interventions	2012-13
7	Evaluation of fruit species vis-à-vis conservation techniques for the salt affected black soils of SAT regions	2005-2009

SN	External Funded project	
1	Design Development and Validation of Online Banana Trading Platform for farmers of FPOs in Trichy District	2021-23
2	ICAR extramural project 'Induction of embryogeny and plant regeneration through induced androgenesis/gynogenesis in horticultural crops' at IIHR, Bengaluru (Lead Centre) and IIOPR, Pedavegi (Collaborative Centre)	2015-17
3	Refinement of oil palm tissue culture technology for enhancement of multiplication ratio.	2015-17
4	Organizing National/ State level training programmes, Regional Workshops and National Seminars.	2015-17
5	CSS Technology Mission for Integrated Development of Horticulture in North Eastern States including Sikkim, Uttaranchal, J&K and Himachal Pradesh.	2012-13

Other important responsibility

- Co-Organizing secretary for a regional workshop on 'Technological strategies for enhancing Oil palm production in North East Region' at Aizawl, Mizoram
- Organizing secretary for brainstorming on 'Oil Palm Tissue Culture' at ICAR-IIOPR, Andhra Pradesh.
- Coordinator and Co-coordinator for a State level training programmes on 'Oil palm production technologies' conducted in Karnataka and Tamil Nadu.
- Life Membership Certificate in 11 Professional Societies.
- Editor, Indian Journal of Soil Conservation
- Associate Editor, International Journal of Agricultural Sciences, Bioinfo Publications
- Nodal Officer for AICRPF (All India Coordinated Research Project on Fruits)
- Chef De Mission-(2015 & 2019), ICAR-IIOPR & ICAR-NRCB
- OIC Research Farm at ICAR-IISWC, RC, Bellary, ICAR-RCNEHR, ICAR-IIOPR & ICAR-NRCB

Consultancies

Worked as a team member in three consultancy projects

1. Feasibility of establishing oil palm seed garden at Mulakhamba (Village), Sukinda (Tehsil), Jajpur (Dist.), Odisha.
2. Impact assessment of soil and water conservation works implemented in the VSS under APCFM project in five districts of AP.
3. Impact evaluation study of watershed under NWDPRP during the IX the five-year plan.