

DR. MOHANA, G.S.

Principal Scientist (Genetics and Cytogenetics)
I/c Agricultural Knowledge Management Unit

Name	Dr. Mohana, G.S.
Year of Birth	1972
Qualification	M.Sc. (Agri), Ph.D. (Genetics & Plant Breeding)
Present Position	Principal Scientist (Genetics and Cytogenetics) I/c Agricultural Knowledge Management Unit
Mobile	99022 73468
Email	mohangs2007@gmail.com

Brief Work Experience

The scientist has been working on Cashew Improvement at the ICAR- Directorate of Cashew Research, Puttur, for 14 years. He is involved in germplasm conservation and evaluation in addition to breeding of better cashew genotypes. Earlier, he worked as Scheme Head of Rice breeding at Agricultural Research Station, Ponnampet (UAS, Bangalore) in the Coorg district of Karnataka state. He had collected and characterized about 300 traditional rice varieties of the central Western Ghats, which were not available earlier. He was actively involved in development of varieties such as PUBM-8, BKBM-23, KHP-10 and KHP-11. He was involved in teaching undergraduate and postgraduate students. He has visited USA, Kenya and France on various research assignments.

Current Areas of Interest

- Cashew genetic resources
- Cashew genetics and breeding
- Cashew information management

Publications

- Research Papers: 40
- Full-length papers published in seminars: 4
- Books/Book chapters: 8
- Policy documents/Reports: 5
- Extension bulletins: 18
- E-publications: 10
- Popular articles: 97
- Radio Talks: 2
- TV interviews: 2
- Websites developed: 2
- Decision Support system: 1

Representative Research Papers

- Mohana, G.S., Nayak, M.G., Gajbhiye, R.C., Jalaja S. Menon, Uma Maheshwara Rao, Vikas Ramteke, Mini Poduval, S.K. Desai, S. Velmurugan, P.K. Panda and Deshmukh, N.A, 2025, Cashew India: an exclusive Android application for cashew cultivation. *Journal of Plantation Crops*, 52(3)
- Mohana, G.S. & Nayak, M. G., 2018. Development of the core collection through advanced maximization strategy with heuristic approach in cashew (*Anacardium occidentale* L.). *Plant Genetic Resources: Characterization and Utilization*, 1-11. <https://doi:10.1017/S1479262118000035>
- G.S. Mohana, M.G. Nayak and E. Eradasappa, 2017, Genetic architecture of cashew germplasm accessions. *Journal of Plantation Crops* 45(1): 57-65
- J. Dinakara Adiga, G.S. Mohana, E. Eradasappa, R.K. Meena and P.L. Saroj, 2017, Development of Jumbo Nut Hybrid and Character Association Studies in Cashew (*Anacardium occidentale* L.), *Vegetos* 30(Special-2) : 336-339
- Babli Mog, Adiga, J.D., Nayak, M.G. and G.S. Mohana, 2017, Variation in seed mass as key factor in germination and seedling vigor in cashew (*Anacardium occidentale* L.), *Bioscan* 12(1): 657-665

Awards and Recognitions

- **Best oral presentation award** in the Advances in climate-conscious crop science: genetics, genomics and breeding conference held at UAS, GKVK, Bangalore during 31st October to 2nd November. 2025
- **Peerless oral presentation award** - National Conference on Fruit Breeding in Tropics and Subtropics – An Indian Perspective held at ICAR- IHR, Bengaluru during 27-29th of April, 2016
- **Best Poster presentation award** - 1st International Agrobiodiversity Congress – Science, Technology, Policy and Partnership during 6-9th of November 2016
- Member of the **Agro-biodiversity subcommittee** at Biodiversity Board, Government of Karnataka from 26-05-2010 to 25-05-2013
- 2007, **Adjunct fellow**, Ashoka Trust for Research in Ecology and the Environment, Bangalore. A CISRO recognized civil society organization.
- Awarded **Council of Scientific and Industrial Research (CSIR)** fellowship for Ph. D., 1997
- Recipient of **National Eligibility Test (NET) certificate** in Plant Breeding, 1995
- Awarded **Indian Council of Agricultural Research (ICAR) fellowship** for M. Sc. Program, 1995

Google Scholar

<https://scholar.google.com/citations?user=txlnDT4AAAAJ&hl=en>