



Dr. A. Mohan Rao, Professor and Head

A. Teaching

UG Courses

1. Fundamentals of Genetics: GPB 211 (1+1)
2. Fundamentals of Plant Breeding: GPB 221 (2+1)

MSc courses

1. Principles of Genetics: GPB 501 (2+1)
2. Cell Biology and Molecular Genetics: GPB 508 (2+0)

PhD courses

1. Marker Development and Gene Mapping: GPB 606 (1+1)
2. Advances in Plant Breeding System: GPB 605 (2+0)

B. Research

- Strategic and applied aspects of Hot Pepper and Musk Melon breeding
- Contributed to development, release and popularization of one CMS based chilli hybrid, KBCH 1, two aerobic rice varieties; MAS 946-1 and MAS 26, Three biofortified rice varieties Paustic 1, Paustic 7 and Paustic 9 and one finger millet variety ML 365.

Adhoc research projects being operated

1. Next generation technologies (NGT) in precision crop breeding including use of advanced genomic tools & introgressiomics, funded by World bank through ICAR, New Delhi with an total outlay of INR 200 million for a period of three years from **April 2018 to March 2022.**
2. Development of DUS testing guidelines for chilli, bell pepper & paprika grown under protected condition funded by PPVFRA, 2022 to 2024. (Rs. 18.0 Lakhs)
3. National Certification System for Tissue Culture Raised Plants, funded by NIPGR-DBT, New Delhi from 2022 to 2026. (Rs. 156.0 Lakhs)

4. Tagging/mapping and introgression of genomic regions governing resistance to ChLCV in chilli, funded by Directorate of Research, UAS Bangalore.
5. Establishment of Gene Bank at UASB funded by RKVY, GoI. (Rs. 295 Lakhs)

C. Publications

- ✓ Published over 80 articles with a **Google Scholar H index of 22**

D. Awards

- ❖ Recipient of ICAR Best Teacher Award – 2013
- ❖ Recipient of Netherlands Fellowship in 2002 and 2004.