

Profile of Scientist



1. Name of the Scientist: Dr. MURARI MOHAN ROY

2. Personal Bio-data:

a) Position/Designation: PRINCIPAL SCIENTIST

b) Contact Details:

i. ICAR Email ID: murari.roy@icar.gov.in

ii. Personal Email ID: mmroyster@gmail.com

iii. Mobile No.: 9414025601/9450082086

c) Joining date in:

i. ICAR: August 8, 1978

ii. IISR: February 20, 2015

d) Discipline and Specialization:

ARS Discipline: Economic Botany

Specialization: Economic Botany/Forestry/Agroforestry/Grassland Management/Arid Zone research

e) Training/advance exposure in the area of work:

- Received advance Training in the area of Agroforestry from Yale University (USA) & University of Florida (USA) (1990-1991)
- Delivered key note papers in 22 international Scientific events related areas in USA, Republic of Haiti, Bangladesh, Nepal, Egypt, Belgium, Syria, Jordan, Kenya, Australia & India during 1990- 2015.

3. Contribution to the scientific advancement:

- Developed technology packages for establishment of perennial grasses and woody perennials for rehabilitation and restoration projects for successful field establishment in a shorter span besides withstanding competitions

- Participatory identification and management of forage species for wastelands in arid, semiarid and humid regions for greater acceptability of such species by communities and also enhanced seed demands
- Improvement of grasslands through a two way approach – promotion of local primary species and introduction of other multiple species for tribal communities in Madhya Pradesh, Gujarat and Rajasthan through JFM schemes
- Sustainable intensification of arid lands by promoting arid horticulture, appropriate cropping, pasture management, agroforestry, secondary utilization in an integrated manner and with a holistic perspective.
- Designed specific training programmes for a variety of clients and stakeholders concerned with dry land productivity with a view to achieve higher adoption and success rates and international visibility.

4. Future Planning of research (in bullets):

- Developing and Coordination of programmes for the farming community in the sugarcane belt of tropical India
- Profiling of Post-harvest deterioration in sugarcane varieties adopted by farmers in UP/Bihar

4. Publications (best five):

Total number of publications is 277 (in form of research papers, conference proceedings, books, book chapters, research bulletins and policy papers).

The *best five papers* are:

Roy MM. 1986. Seedling growth of *Albizia amara* (Roxb.) Boiv. on different soil types. *Range Management & Agroforestry*, 7: 63-70.

Roy MM and Pathak PS. 1994. Agroforestry interventions for livestock producers. *Range Management & Agroforestry*, 10: 271-234.

Roy MM and Singh KA. 2008. The fodder situation in rural India – future outlook. *International Forestry Review*, 10: 217-234.

Roy MM, Kumar S, Meghwal PR and Kumar A. 2015. Prospects of cactus introduction for improving livelihood in low rainfall regions of India. *Acta Hort.*, 1067; 239-246.

Roy MM. 2016. Agroforestry on dry and degraded lands: present status and future prospects. *Range Management & Agroforestry*, 37: 1-11.

5. Awards and Fellowships:

- Recipient of BirbalShani Gold Medal and WINROCK Fellowship
- Served on 31 advisory committees constituted by ICRISAT, ICARDA, Government of India and various state governments viz., Uttar Pradesh, Madhya Pradesh, Maharashtra and Rajasthan

6. Other relevant activities of Scientist:

- Advisory to various agencies in areas pertaining to his specialization
- Evaluation of project proposals/projects reports received from relevant national/international scientific and other agencies.