

ALGOLOGY

Group works on

- Fresh Water algal diversity
- Soil cyanobacterial diversity
- Isolation, identification and maintenance of cyanobacterial cultures

Objectives

- Distribution and diversity studies of fresh water algae and soil algae of different geographical regions from different altitudes of Indian sub-continent such as Uttar Pradesh, Uttaranchal, Himachal Pradesh, Sikkim, Madhya Pradesh and Chattisgarh states.
- Isolation, characterization and application of cyanobacteria as biofertilizers in paddy fields and other seasonal crop fields.
- Algal bio-fertilizer production, effect of these fertilizers on field crops.
- Mass cultivation of *Spirulina*.

Achievements

- Studies on the cyanobacterial flora of rice field soils of Andhra Pradesh, India.
- Distributional pattern of blue-green algal flora of Andhra Pradesh.
- Stress compatibility of blue-green algae.
- Check list of Uttar Pradesh algal flora.
- Algal flora of polluted and non-polluted areas of river Gomti, Uttar Pradesh.
- Fresh water algal flora of Mahoba water bodies.
- *Scenedesmus* species variation in Tola lake.
- *Heamansia pusilla*: A new addition of Indian algal flora.
- Diatom diversity at Corbett Tiger Reserve.

Ongoing Projects

- Studies on algal diversity of Sikkim.
- Fresh water algal diversity of Uttaranchal.
- Fresh water algal flora of Chattisgarh.

Publications: 30

Published Books: 1