

Objectives

Development of bioaugmentation based safe cultivation practice for remediating arsenic contamination to paddy crop:

- **To develop the best suitable consortia formulation of novel arsenic remediator indigenous soil fungal strains for their soil applications and field trials.**
- **To conduct multi-locational 'in-situ' trials at the high arsenic contaminated sites in West Bengal using the developed fungal consortia formulation integrated with the ongoing cultivation practice of paddy varieties (arsenic sensitive/moderately tolerant) to demonstrate low/no arsenic accumulation in their grains and reduction in the bioavailable soil arsenic fraction.**