

Group members:

- 1. Dr. Riffat Nasim Fatima (Assistant Professor, Botany)
- 2. Dr. Fozia Farhat (Assistant Professor, Botany)
- 3. Ms. Arneeb Tariq (Lecturer, Botany)



- > In vitro aseptic culture of cells, tissues, organs, or whole plant under controlled nutritious environmental conditions
- Widely used for large scale plant multiplication
- Apart as research tool, have major industrial importance in plant propagation, disease elimination, plant improvement and production of secondary metabolites
- Department of Botany, GCWUF is striving for developing state of the art plant tissue culture laboratory where we can develop such plant species which are going to be endangered like *Ginkgo biloba* and *Citrullus colocynthis*.
- > We mainly focus on assessment of stress tolerance in different plant species under artificial conditions to monitor molecular and biochemical changes in plants like *Silybum marianum* and *Chenopodium guinoa*.
- We interact and collaborate with other research groups within and outside the university.