**WESTERN REGIONAL CENTRE**

**Scanning Electron Microscope**

The Electron Microscopy – SEM Section is a multidisciplinary research and educational facility within the Centre. The centre has a high-resolution Field Emission Scanning Electron Microscope [SEM - Model EVO 18-12-97 (Zeiss)]. At present, the SEM is used in all ongoing research projects covering diverse research areas and plant groups with studies of seed, pubescence and pollen studies in Angiosperms; spores and fruiting bodies in Fungi; spores in Pteridophyte and filaments in Algae. It is useful in conducting morphological and compositional information and analyzing surface features providing information of micro-structures, examine surface contaminations and identify crystalline structures of higher and lower groups of Plants, thus providing valuable information on diagnostic micro-characters.