

**PROGRAMME: MASTER OF SCIENCE BOTANY (MSCBOT20)**  
**Year/ Semester: II<sup>nd</sup> semester**  
**Course Code: MBOT-506**  
**Course Name: BIOLOGY AND DIVERSITY OF FUNGI**

**Syllabus**

**BLOCK – I: FUNGI – I**

- Unit –1: General Characters and Classification of Fungi
- Unit –2: Ultra Structure of Cell and Cell Wall Composition
- Unit –3: Nutrition in Fungi
- Unit –4: Reproduction in Fungi
- Unit –5: Hetrothallism, Hetrokaryosis and Parasexuality

**BLOCK – II: FUNGI – II**

- Unit –6: Mastigomycotina and Zygomycotina
- Unit –7: Ascomycotina, Basidiomycotina and Deuteromycotina
- Unit –8: Fungi in Industry
- Unit –9: Fungi in Agriculture and Forestry
- Unit –10: Fungi as Human and Animal Parasites (Medical Mycology)
- Unit –11: Fungi as Food