

**Degree:** Master of Science in Botany (Mycology and Plant Pathology) by Papers

**Duration :** 2 Academic Years (4 Semesters)

**Eligibility:**

A minimum of 50% in 10+2 level is required along with a B.Sc. degree from a recognized university. Reserved candidates with a minimum of 40% in 10+2 level and a B.Sc. degree can apply for the M.Sc. program at Mumbai University.

**Intake Capacity:** 20 Seats

<b>M.Sc. Botany Part I</b>	
<b>Semester I</b>	
<b>PBSO101</b>	Plant Diversity - Cryptogams I (Algae and Fungi)
<b>PSBOP101</b>	Plant Diversity - Cryptogams I (Algae and Fungi)
<b>PSBO102</b>	Plant Diversity – Spermatophyta I (Gymnosperms and Angiosperms)
<b>PSBOP102</b>	Plant Diversity – Spermatophyta I (Gymnosperms and Angiosperms)
<b>PSBO103</b>	Plant Physiology
<b>PSBOP103</b>	Plant Physiology
<b>PSBO104</b>	Cytogenetics, Molecular Biology and Biotechnology
<b>PSBOP104</b>	Cytogenetics, Molecular Biology and Biotechnology
<b>Semester II</b>	
<b>PBSO201</b>	Plant Diversity-Cryptogams II (Bryophyta and Pteridophyta)
<b>PSBOP201</b>	Plant Diversity-Cryptogams II (Bryophyta and Pteridophyta)
<b>PSBO202</b>	Plant Diversity : Spermatophyta II (Anatomy, Developmental Botany and Palynology)
<b>PSBOP202</b>	Plant Diversity : Spermatophyta II (Anatomy, Developmental Botany and Palynology)
<b>PSBO203</b>	Plant Physiology and Environmental Botany
<b>PSBOP203</b>	Plant Physiology and Environmental Botany
<b>PSBOP204</b>	Medicinal Botany and Dietetics
<b>PSBOP204</b>	Medicinal Botany and Dietetics
<b>M.Sc. Botany (Mycology and Plant Pathology) Part II</b>	
<b>Semester III</b>	
<b>PSBO301</b>	Techniques and Instrumentation
<b>PSBOP301</b>	Techniques and Instrumentation
<b>PSBO302</b>	Molecular Biology
<b>PSBOP302</b>	Molecular Biology
<b>PSBOMPP303</b>	General Mycology
<b>PSBOMPPP303</b>	Mycology and Plant Pathology
<b>PSBOMPP304</b>	Applied Mycology& Plant Pathology
<b>PSBOMPPP304</b>	Projects will be allotted in third semester and students will submit project work having introduction, review of literature, well defined material and methods, expected results and references
<b>Semester IV</b>	
<b>PSBO401</b>	Techniques and Instrumentation
<b>PSBOP401</b>	Techniques and Instrumentation
<b>PSBO402</b>	Molecular Biology
<b>PSBOP402</b>	Molecular Biology
<b>PSBOMPP403</b>	General Mycology
<b>PSBOMPPP403</b>	Mycology and Plant Pathology
<b>PSBOMPP404</b>	Applied Mycology& Plant Pathology
<b>PSBOMPPP404</b>	Research methodology will be discussed and well defined material and methods, discussion, results and conclusions, references and its presentation based on some advanced techniques in Botany