

DEPARTMENT OF PHARMACEUTICAL BOTANY



Pharmaceutical Botany is the branch of science that provides information about the anatomical and morphological characteristics of medicinal plants used in the diagnosis and treatment process in the taxonomic classification of medicinal plants in pharmaceutical technology, as food supplements and in the field of phytotherapy, the distribution areas, economic values and past uses of plants in the flora of Turkey.

In this context, Pharmaceutical Botany carries out studies on the chemical contents of medicinal plants and poisonous plants, ethnobotanical/ethnopharmacological uses of medicinal plants, bioactivities of medicinal plants, herbarium (IZEF), and phytogeography database studies.

Research Areas

- Taxonomic, morphological, anatomical, and cytological studies on plants distributed in the flora of Turkey.
- Ethnobotanical studies on plants traditionally used for food, dyestuffs, cosmetics, and other purposes.
- Screening for medicinal plants and phytotherapy.
- Analysis and biological activity studies of potentially effective plant extracts, fractions, and phytochemicals used medicinally and traditionally under different conditions.
- Introduction to the flora and biodiversity of Turkey, multidisciplinary studies (ethnobotanical, taxonomic, phytochemical, pharmacological) on medicinal plants.
- Identification of medicinal, useful, poisonous, and harmful plants.
- Isolation and structure determination of secondary metabolites in cell cultures.