



**Ministry of Jihad for Agriculture,
Agricultural Research, Education and
Extension Organization, Research Institute of
Forests and Rangelands Department of Wood
Science and Products Research**

**Wood Anatomy Subgroup: Fundamental
Research and Advanced Equipment''**



The Wood Anatomy subgroup is dedicated to fundamental research aimed at understanding the cellular characteristics of lignocellulosic materials in both wood and non-wood species. Our objective is to generate foundational data that can be applied in various fields of wood science. With a well-equipped laboratory and a history of extensive research, we are continuously expanding our capabilities through the acquisition of modern equipment.

Binocular for Precise Macroscopic Evaluation



Portable Stereo Microscopes



Laboratory Equipment

Our laboratory is equipped with projection microscopes linked to computer software that enables image scanning, storage, measurement, and analysis. Additionally, we have a range of optical microscopes, including portable, binocular, and stereomicroscopes, as well as other essential tools for examining and evaluating anatomical features, fiber morphology, and physical properties of wood.

**Two Types of Microtomes for Preparing
Microscopic Sections**



Projection Microscope with Scanning, Saving,
and Image Analysis Capabilities



Research Activities

Numerous projects related to wood anatomy have been completed or are currently underway. We welcome collaborations with industry and research institutions worldwide to explore new research avenues.

