Ege University
Faculty of Agriculture

Plant Protection Department

"Discover, learn, apply"

PLANT PROTECTION DEPARTMENT

1956 — The department was established under the name "Plant Health Department" at Ege University Faculty of Agriculture.

1956 — Two Departments named Phytopathology and Agricultural Botany Department, Entomology and Agricultural Zoology Department were established.

1956 — The department started education in the academic year 1956 -1957 under the name "Plant Health Department".

1961 — The department graduated its first students under the name of “Plant Health Department” at Ege University Faculty of Agriculture.

1970 — Turkish Phytopathology Society, It was established under the leadership of Prof. Dr. İbrahim KARACA, at the Ege University Faculty of Agriculture, Department of Phytopathology and Agricultural Botany.

1972 — The journal named "The Journal of Turkish Phytopathology" started its publication life.

1976 — Turkish Entomology Association, It was established under the leadership of Prof. Dr. Niyazi LODOS at the Ege University Faculty of Agriculture, Department of Entomology and Agricultural Zoology.

1976 — The journal named 'Turkish Journal of Entomology' started its publication life. It is scanned within the scope of SCI Expanded.

1983 — It was named "Plant Protection Department", consisting of two departments: "Entomology" and "Phytopathology".

2023 — Plant Protection Undergraduate Program has been accredited as of 28.03.2023.

MISSION & VISION

Ege University, as a pioneer in Turkey and a leading research university in the world, aims to meet regional, national and universal needs in the field of research and education, to present R&D experience for the benefit of society, to raise individuals who are committed to their core values, professionally and culturally equipped, open to change, and who have adopted scientific thought as a way of life, by putting the student at the center.

Its vision is to be a world university that is a pioneer in scientific research, has a strong cooperation and communication network with its national and international stakeholders, has a student-oriented, green, sustainable, accessible and livable campus, contributes to economic, social and cultural life and has a strong financial structure.

Mission of the Faculty of Agriculture;

To be among the world's leading agricultural faculties, to organize innovative research and student-oriented educational activities in agricultural sciences, to produce scientific and technological solutions to regional, national and universal needs, to raise individuals who are committed to national values, have perspective, can think analytically, can apply scientific techniques, and have strong cultural and social aspects.

Plant Protection Department;

It has made it its mission to train agricultural engineers who are equipped with the knowledge and skills to serve in all areas of their profession, who improve themselves by following the developments in their field, who are prone to team work, who are inquisitive, who attach importance to ethical values, who are contemporary and experts in the field of plant protection, in cooperation with the public, private sector and non-governmental organizations on a national and international scale, and to serve the society with the universal education it provides and the research it conducts. To train Agricultural Engineers with a Plant Medicine background who are conscious of the environment, human health and food safety needed by the agricultural industry to identify and solve plant protection problems. Within the framework of this mission, the vision of the Plant Protection Department is to identify plant protection factors using new technologies, to develop agricultural warfare methods that are sensitive to the environment and human health, and to conduct joint scientific studies at national and international levels.

PLANT PROTECTION DEPARTMENT

ADMINISTRATION

Prof. Dr. Hatice ÖZAKTAN

Head of Department

Prof. Dr. Pervin KINAY TEKSÜR

Vice-Head of Department

PLANT PROTECTION DEPARTMENT

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Nematol ogy
Resistance to Insecticides

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Pesticide Toxicology
Bio pesticides

EDUCATIONAL OBJECTIVES

1. The aim of the Plant Protection Department training program is to train plant protection specialists who are able to identify problems in the field of plant protection, analyze and interpret data, and provide evidence-based solutions, and who can generally identify disease agents, pests, weeds and beneficial organisms commonly seen in agricultural areas using microscopic and macroscopic methods, and who can determine their prevalence and damage/benefit levels,
2. To train Agricultural Engineers who are competent to implement existing technically defined proposals for the solution of plant protection problems by taking into account sustainable agriculture, environment, human health and food safety, and who can reflect all of these into applications in theory and/or designs, individually and/or as a team member, in a way that prioritizes a scientific approach.
3. Graduates with all these skills are expected to work in managerial and responsible engineer positions in all enterprises where agricultural production is carried out.
4. They should receive postgraduate education and/or work as faculty members/staff at universities or researchers at institutes..

Program Educational Objectives	Responsibilities of the Faculty of Agriculture	Aegean University's Responsibilities
Using current knowledge and experience in basic science, engineering and agriculture, the ability to recognize problems in the field of plant protection, analyze data, interpret them and provide evidence-based solutions; the ability to recognize disease agents, pests, weeds and beneficial organisms commonly seen in agricultural areas, generally using microscopic and macroscopic methods; and the ability to determine their prevalence and damage/benefit levels.	Individuals who are committed to national values, have perspective, can think analytically, can apply scientific techniques, and have strong cultural and social aspects.	Meeting regional, national and global needs
To train Agricultural Engineers who are competent to implement existing technically defined proposals for the solution of plant protection problems by taking into account sustainable agriculture, environment, human health and food safety, and who can reflect all of these into applications in theory and/or design, individually and/or as a team member, in a way that prioritizes a scientific approach.	To produce scientific and technological solutions for regional, national and universal needs,	To present R&D accumulation for the benefit of society,
They work in managerial and responsible engineer positions in all enterprises where agricultural production is carried out.	Individuals who are committed to national values, have perspective, can think analytically, and can apply scientific techniques.	Individuals who are professionally and culturally equipped, open to change, and who have adopted scientific thought as a way of life.
They should receive postgraduate education and/or work as faculty members/staff at universities.	To organize innovative research and student-focused educational activities in agricultural sciences,	Meeting regional, national and global needs in the field of research and education

You can access the educational program details of our faculty and department via QR code.

PROGRAM OUTPUTS

1. Ability to establish the connection between basic science, informatics, mathematics and engineering sciences and agricultural engineering applications using current knowledge and experience,
2. Ability to recognize problems in agriculture, especially in plant protection, using modern techniques, analyze and interpret data, and select and apply evidence-based solution methods,
3. Ability to recognize disease agents, pests, weeds and beneficial organisms commonly seen in agricultural areas by microscopic and macroscopic methods, to determine their prevalence and damage/benefit levels, to implement technically defined current recommendations for the solution of plant protection problems, taking into account sustainable agriculture, environment, human health and food safety,
4. Ability to follow current national and international issues in the field, to develop oneself by embracing the importance of lifelong learning, following science and technology, and to be conscious of research techniques, professional ethics, social, environmental and economic impacts,
5. Ability to carry out theoretical and/or design applications individually and/or as a team member, prioritizing the scientific approach in the field, ability to act independently, use initiative and have creativity skills when necessary, and ability to communicate by expressing ideas verbally and in writing, clearly and concisely,
6. Ability to understand existing reports and data in the field, to communicate effectively in written and verbal Turkish, to prepare effective reports, to make effective presentations, to receive and give clear and understandable instructions,

CAREER OPPORTUNITIES

There are also job opportunities in each unit where our department students find internship opportunities. In addition to these,

- Agricultural Chemical Companies
- Agricultural Quarantine Directorates
- Research Institutes
- Fertilizer Companies
- Seed Companies
- Agricultural Credit Cooperatives
- Agricultural Sales Cooperatives and Unions
- Agricultural Insurance Companies
- Ministry of Agriculture and Forestry
- Various Public and Private Sector Banks Providing Agricultural Credit
- State Production Farms Affiliated to TİGEM
- Vocational Schools

EDUCATION AND RESEARCH OPPORTUNITIES

The main purpose of the researches in Plant Protection Department is to develop new strategies in the fight against plant protection agents, targeting environmental and human health, food safety, Good Agricultural Practices, and to carry out studies within the scope of Biological Warfare and Integrated Warfare. In line with this purpose, it is to determine the prevalence of plant protection agents in agricultural production and their damage levels in plants, to monitor their biology in laboratory and natural conditions, and to carry out biological activity, residue and toxicological studies for the licensing of pesticides that may be effective against these agents.

Expert staff trained in these different branches of science successfully carry out many nationally and internationally supported projects. The department has the facilities to conduct these researches with its advanced laboratories, test fields and greenhouses.

The results obtained from the studies are conveyed to scientists, public or private institutions and farmers working in the relevant field through publication activities as well as events such as congresses, symposiums, workshops, seminars and farmer meetings organized at certain periods.

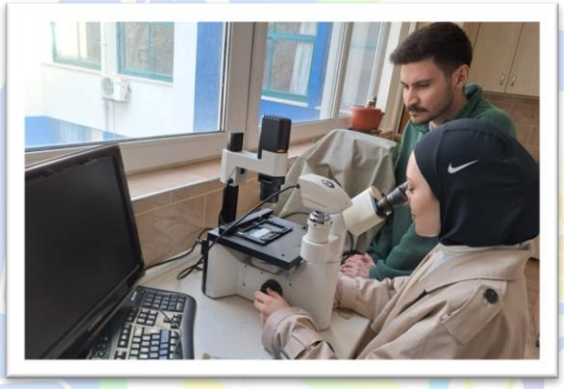
The department laboratories are open to public and private institutions and farmers, and consultancy services are provided for appropriate recommendations for the diagnosis and treatment of plant protection agents. In addition, biological activity and toxicology studies are carried out in these laboratories for the licensing of pesticides effective against plant protection agents for agricultural pharmaceutical companies.

2 herbariums (Phytopathology, Herbology)	Prof. Dr. Niyazi Lodos Insect Collection
16 climate rooms	Entomology Laboratory
1 production cabin suitable for soilless agriculture	Acorology Laboratory
1 cold storage	Nematology Laboratory
3 student laboratories	Biological Control Laboratory
Library	Agricultural Zoology Laboratory
Undergraduate and Graduate Classrooms (3)	Bacteriology Laboratory
14 research laboratories	Mycology Laboratory
Weed Science Laboratory	Virology Laboratory
Trial Field and Greenhouse	Olive Collection Garden

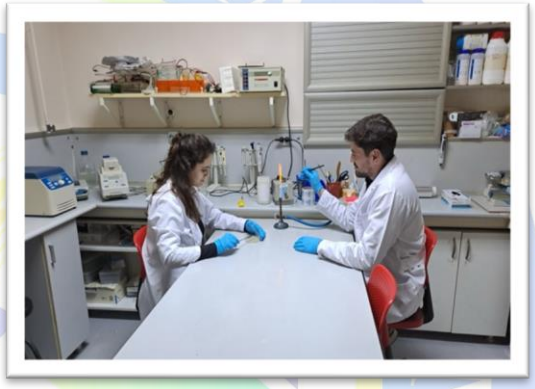
You can review the physical infrastructure facilities of our department on the following page.

From Research Laboratories of the Department

From Research Laboratories of the Department



From Research Laboratories of the Department



From Research Laboratories of the Department

From Research Laboratories of the Department

From Research Laboratories of the Department

From Climate Rooms of the Department

From Climate Rooms of the Department

From Research Laboratories of the Department

From Classrooms of the Department

From Prof. Dr. Niyazi LODOS Insect Collection

From Pesticide Studies

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