



Ege University Faculty of Agriculture



**Department of
Horticulture**

“Discover, Learn, Apply”



HORTICULTURE DEPARTMENT

It was one of the first departments to be established at the faculty and was founded under the name "Viticulture-Horticulture Department".

1955

1958

The name of the department has been changed to "Department of Horticulture and Plant Breeding". The "Horticulture and Viticulture Chair" and the "Vegetable Cultivation and Breeding Chair" have been established.

1960

The Chair of Horticulture and Viticulture has been divided into two chairs: the Chair of Fruit Cultivation and Breeding and the Chair of Vine Cultivation and Breeding, thus forming a total of three chairs.

1967

The "Vine Cultivation and Breeding Chair" and the "Fruit Cultivation and Breeding Chair" have merged to form the "Fruit and Vine Cultivation and Breeding Chair".

1975

A departmental system was introduced, and the Department of Horticulture and Plant Breeding was established, consisting of the Chair of Fruit and Vine Cultivation and Breeding and the Chair of Garden Architecture.

1976

The "Garden Architecture Chair" separated from the Department of Horticulture and Breeding and took the name Department of Landscape Architecture and Ornamental Plants.

1981

Following the abolition of chairs under Higher Education Law No. 2547, which was adopted on November 6, the department was renamed the "Department of Horticulture."

1987

The scientific disciplines of "Fruit Cultivation and Breeding", "Vegetable Cultivation and Breeding", "Vine Cultivation and Breeding", "Greenhouse Cultivation", and "Post-Harvest Physiology" have been established.

1991

The discipline of "Ornamental Plant Cultivation and Breeding" was added to the existing five scientific disciplines, thus forming the Horticulture Department as a sub-discipline with six scientific disciplines, which has remained unchanged to this day.

2023

The Horticulture Department Bachelor's Program has been accredited for two years starting from March 28.

MISSION & VISION

Ege University, as a leading research university in Türkiye and among the world's foremost research universities, aims to meet regional, national, and global needs in the fields of research and education, to contribute its R&D expertise to the benefit of society, and to cultivate individuals who are committed to its core values, professionally and culturally equipped, open to change, and who embrace scientific thinking as a way of life, with a focus on the student.

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

The mission of the Faculty of Agriculture;

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

Department of Horticulture;

To be an institution that aims to increase institutional quality in cooperation with national and international public, private sector, and civil society organizations, and that measures and evaluates its performance, to contribute to the development of breeding, cultivation, and evaluation of cultigens by producing knowledge through research on a global scale, and to train agricultural engineers who are sensitive to national and global realities, scientifically and culturally equipped, investigative, analytical, and productive.





HORTICULTURE DEPARTMENT

ADMINISTRATION



Prof. Dr. İbrahim DUMAN

Head of Department



Prof. Dr. Fatih ŞEN

Deputy Head of Department

HORTICULTURE DEPARTMENT

ACADEMICS



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Greenhouse Cultivation Techniques
Organic Farming
Soilless Agriculture



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Greenhouse Cultivation Techniques
Soilless Agriculture



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Fruit Breeding
Genetic Resources



Prof. Serra HEPAKSOY

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Nursery Gardening
Fruit Growing Techniques
Alternative Fruit Types



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Vine Growing Techniques
Organic Farming
Genetic Resources



Prof. Hülya İLBİ

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Vegetable Cultivation Techniques
Vegetable Seed Production
Biotechnology



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Vegetable Cultivation Techniques
Vegetable Breeding
Genetic Resources

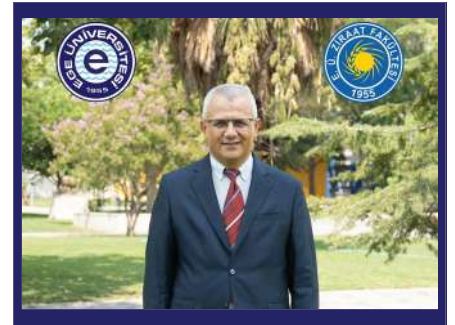


Prof. İbrahim DUMAN

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Open Field Vegetable Cultivation
Industrial Vegetable Production
Vegetable Seed Production



Prof. Fatih ŞEN

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Post-Harvest Physiology in Fruit Growing
Fresh Fruit and Vegetable Storage
Fruit and Vegetable Drying Techniques

HORTICULTURE DEPARTMENT

ACADEMICS



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Greenhouse Cultivation Techniques
Seedling and Grafted Seedling Cultivation
Mushroom Cultivation



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Vegetable Cultivation Techniques
Genetic Resources
Vegetable Breeding



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Vine Growing Techniques



Assoc. Prof. Murat İSFENDİYAROĞLU

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Outdoor Ornamental Plants
Olive Cultivation and Breeding
Cultivation of Pistachio Species



Assoc. Prof. Özlem TUNCAY

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Research and Experimental Methods
Post-Harvest Physiology
Vegetable Drying Techniques



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Toxins and Food Safety
Fruit Growing Techniques



Assoc. Prof. Birsen ÇAKIR AYDEMİR

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The Mechanism of Grape Ripening
Biotechnology



Assoc. Prof. Deniz EROĞLU

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Fruit Growing Techniques
Fruit Breeding



Assoc. Prof. Burçak İŞÇİ

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Vine Growing Techniques
Genetic Resources

HORTICULTURE DEPARTMENT

ACADEMICS



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Fruit Breeding
Genetic Resources



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Citrus Fruit Cultivation
Olive Cultivation
Organic Farming



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Natural Flower Bulbs
Cut Flowers



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Genetic Resources
Vegetable Breeding



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Greenhouse Cultivation Techniques
Soilless Agriculture



Res. Asst. Enes YILMAZ

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Post-Harvest Physiology
Fresh Fruit and Vegetable Storage
Transportation and Market Preparation

EDUCATIONAL OBJECTIVES

1. Program graduates pursue their careers in the private sector or public institutions and organizations.
2. They pursue postgraduate education in their fields and/or continue their academic careers at universities.
3. They establish their own agricultural commercial enterprises in their fields.

Program Educational Objectives	Faculty of Agriculture Mission Statement	Ege University Mission Statement
Program graduates pursue their careers in the private sector or public institutions and organizations	Individuals who are committed to national values, have perspective, can think analytically, can apply scientific techniques, and have strong cultural and social skills	Meeting regional, national, and global needs
They establish their own agricultural commercial enterprises in their fields	To produce scientific and technological solutions to regional, national, and global needs	Sharing R&D expertise for the benefit of society
They pursue postgraduate education in their fields and/or continue their academic careers at universities	To organize innovative research and student-centered educational activities in the field of agricultural sciences	Meeting regional, national, and universal requirements in the field of research and education
They pursue postgraduate education in their fields and/or continue their academic careers at universities	Individuals who are committed to national values, have perspective, can think analytically, and can apply scientific techniques	Professionally and culturally equipped individuals who are open to change and have adopted scientific thinking as a way of life



You can access details of our faculty and department's education program via the QR code.

PROGRAM OUTPUTS

- 1.** Sufficient knowledge in subjects specific to the discipline of Agricultural Engineering; the ability to apply theoretical and practical knowledge in these fields to complex engineering problems,
- 2.** Ability to identify, formulate, and solve complex problems in the fields of Agricultural Engineering-Horticulture, and the ability to select and apply appropriate analysis and modeling methods for this purpose,
- 3.** The ability to design a complex system, process, device, or product related to the field of Agricultural Engineering-Horticulture under realistic constraints and conditions, in other words, taking into account the available resources and the current state of the field, in a way that meets specific requirements, and the ability to apply modern design methods for this purpose,
- 4.** The ability to select and use modern tools necessary for analyzing and solving complex problems encountered in agricultural engineering and horticulture applications, and the ability to use information technologies effectively,
- 5.** Ability to design experiments, conduct experiments, collect data, analyze, and interpret results to examine complex problems or research topics specific to the field of Agricultural Engineering-Horticulture,
- 6.** Ability to work effectively in intra-disciplinary and multi-disciplinary teams; ability to work independently,
- 7.** Ability to write effective reports in the field and understand written reports, prepare design and production reports, make effective presentations, and give and receive clear and understandable instructions,
- 8.** Awareness of the necessity of lifelong learning; ability to access information, follow developments in science and technology, and continuously renew oneself,
- 9.** Behaving following ethical principles, professional and ethical responsibilities, and knowledge of standards used in engineering practices,
- 10.** Knowledge of practical applications in the workplace, such as project management, risk management, and change management related to the field of Agricultural Engineering-Horticulture; awareness of entrepreneurship and innovation; knowledge of sustainable development,
- 11.** Information about the effects of agricultural engineering and horticultural practices on health, the environment, and safety on a global and societal scale, as well as issues reflected in the field of engineering today; awareness of the legal consequences of engineering solutions,
- 12.** Ability to reproduce, produce, preserve, and transfer all plant material in the field of horticulture to future generations, and environmentally conscious analytical thinking skills,
- 13.** Ability to develop and implement breeding programs in the field of horticultural crops that meet market demands.

CAREER OPPORTUNITIES

In addition to internship opportunities, our students also have job opportunities in each department. In addition to these,

- Ministry of Environment, Urbanization, and Climate Change and Affiliated Institutions
- Research Institutes
- Vocational Colleges
- Agricultural Credit Cooperatives
- Agricultural Marketing Cooperatives and Unions
- Agricultural Insurance Companies
- Ministry of Agriculture and Forestry
- Various Public and Private Sector Banks Providing Agricultural Loans
- State Production Farms Affiliated with TİGEM
- Agricultural Chemical Companies
- Agricultural Quarantine Directorates

EDUCATION AND RESEARCH OPPORTUNITIES

The Horticulture Department works on solutions to existing problems in the country's soil and plant production. Experts trained in various scientific fields successfully lead numerous nationally and internationally supported projects. The department has the facilities to conduct this research, including advanced laboratories, experimental gardens, and greenhouses.

The results obtained from the studies are disseminated to scientists working in the field, as well as to public and private institutions, and farmers through publications and events such as conferences, symposia, workshops, seminars, and farmer meetings held at specific times.

Physiology Laboratory	Preparation Laboratory
Ecophysiology Laboratory	Fungus Laboratory
Biotechnology Laboratory	Fruit Laboratory
Seed Laboratory	Microscope Room
Tissue Culture Laboratory	Growth Chambers Room
Library	Research and Application Garden (205 da)
Undergraduate and Graduate Classrooms	Greenhouses (6 da)

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

CONTACT INFOS

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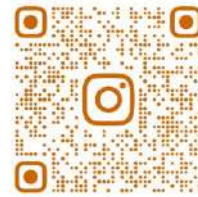
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DEPARTMENT WEBSITE



DEPARTMENT INSTAGRAM



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