

In the whole of Turkey, there are about 11,000 species of flowering plant, about a third of which are endemic to the country. Due to anthropogenic activities, the world species are threatened more than ever. Climate is changing, so must agriculture.



*Permaculture is the conscious design of agriculturally-productive ecosystems which have the resilience, dynamic stability and diversity of natural systems.* --Bill Mollison

**The Ethical Basis of Permaculture rests upon:  
Earth Care - People Care - Fair Share**

**Permaculture tools introduced, preserved and enhanced at Malva Permaculture Farm:**

- . Agroforestry
- . Microclimates
- . Wild Forest
- . Aromatic and Medicinal herbs
- . Nature Ponds
- . Mulching
- . Wilderness Zone
- . Integration of Animals



**Community Involvement:** The program was initiated following Malva's collaboration with Earth Association NGO.

Involvements diverse as: raising seedlings for the Urban Gardens participants from local and heirloom seeds; supporting Bogazici University Student Community Garden; giving workshops on resilient agriculture methods; local high school visit from 10th graders as a part of the out-of-class science education to complement the curriculum. These projects made the garden accessible, breaking down barriers and widening audiences, bringing links with other organizations and community groups.



**Description:** As a new member of BGCI, Malva Permaculture Farm continues its organic horticultural production; welcomes visits and organizes education programs in facilitating reconnection with nature. Knowledge and expertise support in becoming an experimental farm and research center is sought.

**Focus:** Education programs are arranged and hosted for students and adults to introduce biodiversity and raise awareness of the world's plants. Science education is supported with one-to-one learning in out-of-class environment inducing creativity.

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**Characteristic:** Temperate Climate, Organic Farm with proximity to the city.

**Location:** Trakya Region, Istanbul, Turkey. At transition zone; at intersection of Euro-Siberian(euxin) and (west) Mediterranean climate/ flora zones.

**Description:** History of over 150 years. A growing and evolving ecological restoration project since the land's acquisition in 1983.

**Audience Research:** Methods used to measure participant learning and knowledge acquisition include photographs to document skills development and interviews.

**Funding:** The program was started and runs through self-funding with some volunteer help.

**Challenges:** Developing the existing historical building for indoor engagement activities and exhibitions to reach wider audiences with education professionals is a promising project. Becoming a research center and attracting funding to support academicians to protect the environment is a challenge.



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**Education and Capacitation building resilience in ecosystems; how does permaculture farming bring the biodiversity into the hands of new generations?**

**Teaching local communities supported agriculture**



Photography: Melike Muezzinoglu