15.2.5 Sustainable Management of Land for Agriculture (Educational Outreach)

2024-2025

AASTMT offers educational programmes and outreach on the sustainable management of land for agriculture: how to irrigate with less water, reuse agricultural waste and farm with smart technology in Egypt's dry lands. Its colleges share this knowledge with students of other universities, agricultural companies and the wider community through training, visits and projects. The activities below took place in the academic year 2024-2025.

Faculty of Agriculture Students from Minia University Train at AASTMT (7 April 2025, Abu Qir, Alexandria)

The College of Fisheries and Aquaculture Technology hosted a delegation of students and professors from the Faculty of Agriculture, Minia University, from Upper Egypt. In groups, the students used the college's laboratories, halls and simulators to learn sustainable fish farming and water-saving production systems that can be integrated with crop farming on agricultural land.

College of Fisheries and Aquaculture Technology receives Faculty of Agriculture, Minia University

Artificial Intelligence for Agriculture: AASTMT–MAFI Training Partnership (28 November 2024, Cairo)

On 28 November 2024, the AASTMT President met H.E. Ahmed Abou Hashima of MAFI for Agricultural Produce Industries. They agreed that AASTMT would run training programmes to qualify MAFI employees in artificial intelligence for agriculture, and would work together on research into new technologies that make farming more efficient and sustainable.

"AASTMT - MAFI for Agricultural Produce Industries" Meeting

Enactus AAST Sheraton: Farm Waste into Feed and Clean Water (4 September 2024, Cairo)

The 210 members of Enactus AAST Sheraton, Egypt's national champions, developed "Aquatica", a feed for fish, poultry and livestock made from 70% fish and corn waste and leaves of water hyacinth, and "Rose-Carbon", locally produced activated carbon that adsorbs pollutants from water. The projects show how agricultural waste and an invasive weed can be turned into products instead of being burned or dumped on land.

Enactus AAST Sheraton Tackles Water Pollution and Sustainability