

Alexandria University

“Ensuring Quality ... Seeking Excellence”



Historical Background ⁽¹⁾

- In 1938, the nucleus of Alexandria University two satellite faculties (*Arts and Law*).
- In 1942, four faculties (*Science, Commerce, Medicine, and Agriculture*) were added.
- Alexandria University established the nucleus branches which evolved to *Tanta, Kafr el-Shiekh, and Damnhour universities*.
- Recently, Alexandria University established four faculties in Matrouh Governorate as a foundation for *Matrouh University*.

Historical Background (2)

- Believing in its role towards the Arab region, Alexandria University established *Beirut Arab University* in 1960 in Beirut, Lebanon.
- Working with its African Sphere, Alexandria University established two branches one in *N'djamena, Chad (2012)* and the other in *Tong, South Sudan (2015)*.

AU at a Glance

- **30** different Faculties and Institutions.
- About **170 thousands** undergraduate students enrolled in the AU.
- About **30 thousands** graduate students registered in the AU.
- About **7 thousands** faculty members.
- About **20 thousands** employees.

Faculty of Agriculture at a Glance

- Started in **1942**.
- **20** different Academic Departments in all Ag education discipline.
- **450** Faculty members and 150 research assistants.
- About **2,500** undergraduate students enrolment.
- About **900** graduate students registered.
- Two Research Experimental Stations (**550 acres and 315 acres**).

Soil & Water Sciences Department at a Glance

- **A strong scientific base of 40+ faculty members**
- **Extensive Research on Land and Water Resources Management issues.**
- **Over 47 funded research grants.**
- **A great deal of data and information on land and water issues.**
- **Contribution to national efforts related to sustainable natural resources management.**

***Department is an advocate of
the holistic, agro-ecosystem
Management approach for
Land and Water Resource
Management***

Department Evolution

- 1942-1958 **Department of Soils.** *Soil as a medium for plant growth”.*
- 1958-1970 *soil as an integral system.* Three major components of soil science: Soil Pedology; Soil Edaphology, and Soil Technology
- In 1960 we established a *2-year graduate diploma in land reclamation*
- 1970-present **“Department of Soil and Water Sciences”.** Emphasizes on aspects of soil-water-plant relationships.

Department Mission

To search, develop, educate, train, disseminate, and promote sustainable resource management concepts and techniques with the aim of enhancing farmers' livelihood and contribute to sustainable agricultural development in Egypt

Department Vision

To be a leading educational and research institution in sustainable management of land and water resources for the Middle East and North Africa Region

Department Educational Focus

- Continuous revision and update of curricula for the undergraduate program in land and water management to be
 - In step with the new trends and advances in science and technology
 - Demand-driven i.e. meet the needs of the changing job market in Egypt,
- Continuous revision and update the graduate studies program in land and water resource management (e.g., MEWR M.S. Degree and forthcoming ELHAM M.S. Degree)

Department research focus

Key areas

- Sustainable Land and Water resource management using a holistic ecosystem approach.
- Non-conventional agricultural systems (e.g., biosaline, biodynamic and organic agriculture,etc.)
- Agricultural waste management strategies (e.g., biochar research)
- New technologies (BINT) in agricultural research
- Environmental Information System (EIS) for land and water resources in Northern Nile Delta and Mediterranean coast.

Department Outreach Focus

- Consultation and training on sustainable management and utilization of the land and water resource.
- Collaboration with like-minded institutions in *R & D* activities (e.g., EEAA, ARC, NRC, DRC etc.).
- Dissemination of information and research outcomes to relevant stakeholders (e.g., policy-planners, decision-makers, researchers, investors, NGOs, local, regional, and international agencies, etc.).

Department Educational Development Projects

1. ALEXLAND (HEEPF)

(2004 to 2007)

Project title: *Enhancing Academic Excellence and Relevance of the Undergraduate Program in Land and Water Resource Management at Alexandria University (ALEXLAND)*

- **Project was Funded by the Higher Education Enhancement Project Fund (HEEPF)**
- **HEEPF supported improvements in the Quality, Relevance and Efficiency in Higher Education through establishing a sustainable competitive mechanism among Egyptian universities.**

ALEXLAND Project Achievements

- A new curricula for the undergraduate program in land and water management that was
 - In step with the new trends and advances in science and technology
 - Demand-driven i.e. meet the needs of the changing job market in Egypt,
- Human resources development.
- Improvement of educational infrastructure and resources
- Generated opportunities for collaboration between the Department and the private sector.

2. MEWR TEMPUS Project

(2007-2009)

- MEWR is a two year Master of Science degree program in Management of Environmental Water Resources (MEWR)
- Funded by the Trans-European Mobility Program for University Studies (TEMPUS) in 2007 and completed in 2009.
- PARTNERS WERE:

ITALY: UNIVERSITY PAVIA

AUSTRIA: UNIVERSITY OF NATURAL RESOURCES AND APPLIED LIFE SCIENCES (BOKU)

GREECE: ARISTOTLE UNIVERSITY OF THE SALONIKA,

POLAND: WARSAW AGRICULTURAL UNIVERSITY (SGGW),

MEWR Achievements

- **Modern comprehensive curricula for the new M.Sc. degree in Management of Environment Water Resources Program (MEWR).**
- **Modernization of teaching skills and methodologies through faculty and staff retraining.**
- **Upgrading educational facilities.**
- **Establishment of a well-funded system of Information and Communication Technology**
- **Promotion of joint programs and interactions with European educational institutions.**

Quality Assurance and Accreditation Project (QAAP)

- **Establish quality assurance systems.**
- **Preparing and qualifying college to receive accreditation from the National Authority for Quality Assurance and Accreditation of Education (NQAAA) – QAAP.**
- **A Quality Assurance Unit was established in 2005 to ensure quality education in college**
- **Unit created a system of internal quality assurance in college**

Continuous Improvement and Qualifying for Accreditation Project (CIQAP) 2010-2014

CIQAP is a national education enhancement project that aims at achieving accreditation for Egyptian academic institutions to be in line with international standards. Staffs, students, curriculum, among many other components, are all involved in the execution, evaluation and monitoring stages of this project.

CIQAP ACHEIVEMENTS

- **A strategic development plan for college.**
- **Human Resources development and upgrade**
- **System for raising financial resources.**
- **Community participation and community service.**
- **Institutionalized system for comprehensive and continuous performance evaluation and quality assurance.**

CIQAP ACHEIVEMENTS cont'd

- **Modernization of curricula and courses**
- **Enhancement of self learning, adequate academic support, continuous learning and enhance students' activities.**
- **Development of more advanced methods for teaching and use of E-learning.**
- **Upgrade education and research facilities.**
- **Upgrade the graduate research programs.**

College Accreditation 2014

At the conclusion of the CIQAP project, our College was granted the accreditation from the National Authority for Quality Assurance and Accreditation of Education (NQAAA).

Interuniversity Learning in Higher
Education on Advanced land
Management-Egypt
Funded by Erasmus

ILHAM-EC project

**Role of University of Alexandria in
Work Packages**

1. Needs Assessment

The aim of this WP is to revise the curricula of the involved local universities in order to assess the current curricula status, their teaching methods and needs.

Lead Organization: NRD-UNISS

Participating Organizations: UNIVLEEDS, AUTH, UNIMED, UNICA, **UNIAL**, IGSER, ZU

2. Curriculum development

The goal of this Work package is to develop curricula of the involved Egyptian universities creating a new inter-university high quality Master on the bases of the results of the evaluation analysis of the task 1.1

Lead Organization: **UNIAL**

Participating Organisations: NRD-UNISS, UNIVLEEDS, AUTH, UNIMED, UNICA, **UNIAL**, IGSER, ZU

3. Implementation of learning environment:

Purpose of is to develop new learning materials by EU HEI partners on use of multidisciplinary approaches and advanced technologies in the management of land resources

Lead Organization: ACS

Participating Organisations: NRD-UNISS, UNIVLEEDS, AUTH, UNIMED, UNICA, **UNIAL**, IGSER, ZU

4. Training of teachers

Objectives:

- improving of learning processes
- identifying and transferring of best practices
- analyzing technological and methodological framework
- guarantee internationalization of teaching methodologies
- upgrading technical skill
- knowledge sharing on the use of advanced SLM technologies

Lead Organisation: UNIVLEEDS

Participating Organisations: NRD-UNISS, AUTH, UNIMED, UNICA, **UNIAL**, IGSER, ZU

5. Implementation of the inter-university high quality Master on SLM

The aim of this WP is to implement the new high-quality Master on Sustainable Land Management.

Lead Organisation: **UNIAL**

Participating Organizations: UNICA, IGSER, ZU, NRD-UNISS, UNIVLEEDS, AUTH, UNIMED

6. Quality plan

The aim of this WP is to ensure a suitable quality assurance mechanism of the project and to create a quality control mechanism that will receive critical feedback allowing the results to feed back in the same mechanism

Lead Organisation UNIMED

Participating Organisation NRD-UNISS, UNIVLEEDS, AUTH,ACS , UNICA, **UNIAL**, IGSER, ZU

7. Dissemination and collaborative network

The aim of this WP is to give visibility to all actions and activities carried out by the project and to realize an international cooperation network able to foster innovation and address new societal and environmental challenge

Lead Organisation: UNIMED

Participating Organisation: NRD-UNISS,
UNIVLEEDS, AUTH, ACS, UNICA, **UNIAL**, IGSER, ZU

8. Project management

WP8 comprises all management tasks necessary for a smooth execution of the project activities in order to schedule and complete them efficiently and successfully.

Lead Organisation: NRD-UNISS

Participating Organisation: UNIVLEEDS, AUTH, UNIMED, ACS, UNICA, **UNIAL**, IGSER, ZU

The background features a series of concentric circles in shades of light blue, centered around a bright, glowing white light source. The light source is positioned slightly above the center of the frame, creating a lens flare effect. The overall color palette is a soft, pastel blue with a gradient that transitions from a lighter blue at the top to a slightly darker blue at the bottom.

Thank You