

Development of a Modern Higher Education System for Water Engineering in Syria

Activity 1.2: Comparison of higher education systems

Structure of HES for water engineering and management in (Syria, Aleppo University Faculty of Agriculture and Faculty of Civil Engineering)

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University of Aleppo is a public university located in Aleppo. It established in 1958, it is one of five public universities in Syria. It is the second largest and oldest university in Syria. Aleppo University includes 25 academic faculties for different disciplines. In addition, it has 10 institutes, 6 Academic Teaching Hospital, 16 Educational Centers, a University Journal, the Higher Institute of Languages, Publishing House, Press and Printed Materials Management and Central Library. It includes more than 100,000 students, over 1,500 of graduate students, 1,400 staff members and 2,500 assistant staff. Furthermore, the University of Aleppo continually strives for promoting academic and cultural ties with many Arab, foreign and advanced international institutes. Such accords encourage faculty and student exchange programs on the one hand and joint academic supervision on the other.

Aleppo University is a leading public (government-run) scientific institution with a rich cultural heritage. It operates within the framework of the policies set by the Syria Arab Republic in terms of educational, cultural and service-related needs of society. Aleppo University seeks to meet the changing needs of society in achieving comprehensive and continued human resource development, promoting national, regional and international competition. The University played a leading role in providing the community with educated and experienced citizens who are essential for the progress of both Syria and its neighboring countries. The university equipped its faculties with the most modern laboratories and scientific equipments.

The Faculty of Agricultural was founded in 1960, is at the forefront of advances in applied bioscience, food, nutritional and environmental sciences research and teaching. Today the Faculty of Agriculture includes 10 departments that focus on agriculture, food, natural resources and the environment.

The Department of Rural Engineering is recognized for its academic programs, It offers both undergraduate (B. agr. Eng) and postgraduate (Master and Ph D) degrees in fields of Water Resources Management (hydrology, irrigation, drainage and water quality), Ecological Engineering (ecosystem modeling, design and management), Waste Water Management and Agricultural Machinery. Researches are conducted at both, levels applied and basic.

There is a tight collaboration between Rural Engineering, Natural and Renewable Resources and Soil Sciences and Land Reclamation Departments. As well as collaboration with the Faculty of Civil Engineering (Water Engineering and Environmental Engineering Departments).

Several international funded projects were conducted at the faculty of agriculture related to better use of water, using multi discipline and multi cultural or institutional approach.

I have published 5 textbooks, 29 scientific paper and 14 conferences papers.

I have evaluated many projects, theses and journal articles, in addition to the supervision of 28 B.sc., 30 diploma, 15 M.sc. and 7 ph D. students. I was a member of exam committees of many theses presented to Syrian Universities.

Teaching:

- Agricultural Irrigation
- Irrigation & Drainage
- Water Resources
- Geodesic & Farm Buildings
- Irrigation & Drainage Nets Design
- Waste and Waste Water
- Irrigation Management

I have done researches on:

- groundwater movement in RWTH Aachen, Germany, 1993
- soil and water pollution in the Niedersächsisches Institute Bremen, Germany, 1999
- water requirements and irrigation modeling in the University of Hannover, Germany, 2003
- waste water treatment in the University of Rostock, Germany, 2005
- water management and modeling, Mc-Gill University, Canada. 2006





I was consultant by Japan International
Cooperation Agency (JICA), Damascus
office 2004

I was head of the Rural Engineering
Department from 1995 to 2005

I am working now as vice dean of the
Faculty of Agriculture II, for scientific
affairs.

A group of approximately 20 people, including men, women, and children, are posing for a group photo on a dirt shore next to a calm lake. In the background, a steep, forested hill rises from the water's edge. The scene is captured in a slightly grainy, vintage-style photograph. Large, bold red text is overlaid on the image, and a date stamp is visible in the bottom right corner.

THANKS

FOR

YOUR

ATTENTION

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