

CURRICULUM VITAE

Mohamed Isa .A. Musa

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PERSONAL DATA

Date of birth: September. 12, 1968

Place of Birth: Yefren

Nationality: Libyan

Social Status: Married, supported children 4

EDUCATION

Ph.D.: Organization of Agro-Ecosystems and Plant Productivity.

Department: Environmental Sciences and Plant Production, Agricultural Engineering Division, Faculty of Agriculture, Marche Polytechnic University, Italy 2005.

Ph.D. Dissertation: "EVALUATION OF THE RESPONSE PLANT CORN AT DIFFERENT LEVELS OF WATER AVAILABILITY" Supervisor Professor Rodolfo Santilocchi.

B.Sc. in: Agricultural Engineering Department, Faculty of Agriculture, University of Tripoli, Tripoli - Libya 1991.

CURRENT POSITION

Assistant Professor: Department of Agricultural Engineering, Faculty of Agriculture, Tripoli, Libya.

PROFESSIONAL EXPERIENCE

Chair, Department of Agricultural Engineering, Faculty of Agriculture, Tripoli, Libya (2015 to 2017).

Member of Faculty of Agriculture board (2015 to 2017).

Graduate studies coordinator, Department of Agricultural Engineering,

Faculty of Agriculture, Tripoli, Libya (2020 to present)

Lecturer, Agricultural Engineering Department, Faculty of Agriculture, University of Tripoli (2008 to 2016)

Assistant Professor, Agricultural Engineering Department, Faculty of Agriculture, University of Tripoli (2016 to present)

Academic Committees

□ Coordinator of the graduation projects at the department of Agricultural Engineering, Faculty of Agriculture, Tripoli, Libya (2020 to present).

□ Member of the graduate studies committee, Faculty of Agriculture (2020 to present).

□ Member of quality of education committee, Faculty of Agriculture (2014 to present).

□ Member of curriculum development committee, for the Agricultural Engineering Department, Faculty of Agriculture, University of Tripoli.

□ Coordinator of the Undergraduate studies, Department of Agricultural Engineering, Faculty of Agriculture, Tripoli, Libya (2008 to 2014).

□ Member of the Undergraduate studies committee, Faculty of Agriculture (2008 to 2014).

Teaching Experience

Graduate Courses:

- Renewable Energies in Agricultural
- Special Problem in Agricultural Engineering 1, Graduate Seminar.
- Special Problem in Agricultural Engineering 2, Graduate Seminar.
- Instrumentation and Control
- Power of Fluids
- Irrigation Technologies Engineering

Graduate Supervision

Supervising several graduate students at the M.Sc. level

Ahmed E. Belhaj. Thesis title: A Study of Power Quality Indices of Different Types and Multi Capacities of Electric Pumps motors for Agricultural. Preparing dissertation.

Mohamed S. Bery Effects of the disc title angel and tillage speed of the inverted disc plow at different moister contents on some of soil physical

properties.
In progress.

Undergraduate Courses:

- ☐ Mechanics
- ☐ Rural Electricity
- ☐ Pumps
- ☐ Farm Tractors (II)
- ☐ Farm Machinery(I)
- ☐ General Farm Machinery

Undergraduate Supervision

Supervising several undergraduate students in their B. Sc projects.

Academic Collaboration

Teaching undergraduate courses at other educational institutions Giran Institute of Agricultural Technologies, Tripoli, Libya(2005 to 2007).

Courses taught:

- ☐ Farm Machinery
- ☐ Fluid Mechanics
- ☐ Engineering Drawing
- ☐ Introduction of agricultural engineering
- ☐ Postharvest Technologies.

Teaching undergraduate course; General Farm Machinery at :
Faculty of Agriculture University of Al Jafara, Libya (2005 to 2007)

Work experience

Engineer at the **General Company for Farm Equipment and Agricultural Necessities, Tripoli-Libya.**

At the Assembly submersible pumps, surface pumps factory (1994 to 1997).

Chairman of the receipt and inspection committee of all agricultural pumps, agricultural equipment received by the **General Company for Farm Equipment and Agricultural Necessities, Tripoli-Libya.** (1997 to 1999)

Research

□ Carrying out research project funded by Libyan Authority of Natural Science Research and Technology on “**Solar Powered Drip Irrigation System for Maize Production** ”. at the Center of Solar Energy Research and Studies located in Tajoura Libya 2013-2016.

Responsibilities: Writing research proposal, preparing budget, presenting it in front of the evaluation committee, signing the contract with funding agency, leading the research team, writing progress reports and scientific papers.

PUBLISHED PAPERS

1- **Mohamed Isa Musa**, 2014 “Effect of two levels of irrigation on Photosynthesis and water use efficiency of plant on the production of corn”.THE LIBYAN JOURNAL OF AGRICULTURE, VOLUME (19) December 2014.

2- **Mohamed Isa Musa**, 2015 “Study of the productivity solar photovoltaic water pumping system and using them in the field of irrigation”.

Journal of Academy for Basic and Applied Sciences, Volume (14) No (2) October 2015.

3- **Mohamed Isa Musa** and **Entesar Mohamed Kafou**, 2015 “Impact of deficit irrigation on yield and quality characteristics of the corn crop in Libya local conditions ”.

2nd Conference on Environmental Sciences, Zliten-Libya, 15-17 December 2015.

4- **Mohamed Isa Musa**, 2009 “The use of irrigation techniques that contribute to saving water Raise the efficiency of plant use of water” (Scientific Conference on Water Western Mountain University- Libya), 16 - 17 December 2009.

5- **Mohamed Isa Musa**, **Entesar Mohamed Kafou** and **Mohamed Nuri Speta**, April 2017 “Solar Powered Drip Irrigation System for Maize Production ”, With the support of the Libyan Authority of Natural Science Research and Technology, Libya April 2017.

COMMUNICATION AND COMPUTER SKILLS

□ **Languages:** Arabic, Italian and English, Arabic, Italian very good speaking, reading and writing skills- English, good speaking, reading and writing skills.

□ **Computer Programs:** MS Word, Power Point, Excel, several data acquisition software's, statistical software's.

□ **Writing:** very good in both languages, letters, reports, proposals, scientific papers, articles.

□ **Communication tools:** email, presentations, workshops, demonstrations, etc.

Membership in Professional, Academic and Scholarship Societies

Member in: Libyan Society of Environmental Sciences.

Course in human management systems for the Chair of the departments of Tripoli University in the Center for Research and Consultancy

REFERENCES

1. Dr. Nuri Sahli Madi

Dean: Faculty of Agriculture, Tripoli University, Tripoli, Libya.

Sidi Almasri RD, Tripoli, Libya.

Phone: +218-92-632-1238 email: madinuri@yahoo.com

2. Dr. Mohamed Abusaa Fennir

Chair: Department of Agricultural Engineering, Faculty of Agriculture, Tripoli, Libya.

Sidi Almasri RD, Tripoli, Libya.

Phone: +218-92-419-0621 email: m.fennir@uot.edu.ly