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أحمد عبد الخالك علي عبد بهري
مهندس زراعي - زراعي - زراعي

Name: Ahmed Abdel Khalek Ali El Behery
Profession: Agricultural Engineering Expert
Birth Date: 10-08-1945 **Nationality:** Egyptian
Years of experience: 42 **E. mail:** behery28@yahoo.com
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Education

PhD in Agricultural Engineering, Purdue University, Indiana, USA/ Zagazig, 1995
MSc in Agricultural mechanization, Zagazig University, 1988
Diploma in Farm Machinery Management, Germany, 1973
BSc in Agriculture, Zagazig University, 1967

Language capability

Arabic: Mother Tongue
English: Fluent

Employment record

2005 – Present

Chief Researcher at Agricultural Engineering research institute

2000 – 2005

Senior Researcher at Agricultural Engineering research institute

1995 –2005

Researcher at Agricultural Engineering research institute

1988 – 1995

Assistant Researcher at Agricultural Engineering research institute

1978 – 1988

Researcher Assistant at Agricultural Engineering research institute

1967 – 1978

Agriculture Engineer

Professional experience:

Jan. 2010 - Present

Technical consultant, IWRIM II, MWRI , Egypt, Introduce High Value Crop's.

December 2010 – February 2012

Technical Consultant, Life Sinai, IRG, Egypt, Tractors & equipment procurement.

Nov. –Dec. 2009

Machinery Expert, Embassy of Finland and MLAR, Egypt

July – October 2009

Agricultural Consultant, Fiber Cane Technology Co.

June –July 2009

Machinery Experts, Principal Bank for Development and Agricultural Credit, MLAR

August – September 2008

Study Expert, Agricultural Mechanization Strategy, 2008 up to 2030, Ministry of Agriculture and Land reclamation, Egypt.

May 2007

Study Coordinator," Food Processing, Packaging Machines, Cold Storage and Agri., Machinery Recent Change " Assolombarda Association Milan and Italian Trade Center in Cairo.

January- May 2007

Agricultural Machinery Expert, Irrigation Improvement Project, MOWIA area, Kenya, Sabour Associate Consulting Firm.

October 2006

Study Coordinator," Agriculture Sector Survey In Egypt"
AMLAR/ ARC /AEnRI , Italian Trade Center In Cairo

March-May 2006.

Consultant Agricultural Mechanization DEC /BRL /MWRI
Planning Study Branch Three, TOSHKA project.

February 2006 - 2007

Agricultural Mechanization Expert El Nasagoun El Sharkioun Project ,Live- Stock Farm.

Sep.-Oct. 2005

Consultant Integrated Water Resources Management Project
Life- IWRM-MWRI / USAID Design irrigation network for the demonstration site in LUXOR

Sep. 2005

Agricultural Mechanization Expert DEC / JICA
Interview survey to farmers for the project on modernization of the agricultural mechanization center in Behera Governorate.

Sep-Oct. 2005

Agricultural Mechanization Expert "AERI" / MALR/USAID
Evaluation of farm equipment, supervision of farm machinery operation and food production technology.

Jan.-Sep. 2005

Agricultural Mechanization Expert Agrotech Co.

Developing the specifications of farm machinery, compost production, and addressing the need for water conservation and environmental audit.

2005

Consulting Services for Agricultural Sector Survey in Egypt
Japan International Cooperation Agency (JICA) / Darwish Consulting Engineers Ltd.

2004 -2005

Egypt: Consultant on Capacity Building in the Land Management and Soil Productivity / Fertility Improvement Project through Farmers' field schools, Ministry of Agriculture and Land Reclamation (MALR), FAO

2004

Team Leader of the Environmental Audit, assisting in the Procurement and tender evaluation for the Waste Management Project at Cairo Poultry Co. Koki, Egyptian Environment Affairs Agency (EEAA).

2004 to date

Technical consultant on waste water treatment plant, in LUXOR City, Upper Egypt, Using Solar water pump, as pilot project. The aim of this project to encourage people using solar power.

2002 to date

Consultant, Arab German for Environmental Technology Co. solid waste management, compost production, selection environment equipment, public awareness and public relation.

2002 -2006

Director, Safe Utilization of Farm Waste Project, Agricultural Research Center (CLAC /ARC), MALR, design and conduct training programs on compost production, machinery operation and maintenance, public awareness among extension workers, farmers, and investors in newly reclaimed land in Nubaria, New valley Gov., and Behera governorate.

2003 -2004

Consultant to the On-Farm Water Management Project Extension Sector, MALR, GTZ

2001 – 2003

Egypt: Consultant to the Feed Production Technology, RDP Livestock service BV, the Netherlands, responsible for developing the specifications for establishing feed mills in ten villages in Menoufia Governorate

1997-2002

Egypt: Senior Advisor to AFRICARE, developing the specifications of and installation of machinery maintenance workshop, a spare parts store and post harvest equipment at Wady El Saayda, within the scope of Moubarak Project in Aswan Governorate

1998

Egypt: Member of the USAID Agricultural Policy Reform Project, Sugar Cane and Water Working Group, participating with a group of scientists, economists and policy makers from the ministries of agriculture and Irrigation as well as farmers to formulate policy options to address the need for water conservation in sugar cane production in Upper Egypt. The policy options included extension of new production and irrigation technologies to increase yields, allowing for the reduction in sugar cane area. The working group presented the findings to the Ministers of both ministries for approval. Also carried out several training programs for 60 engineers and 800 farmers.

1986-2000

Egypt: Supervisor of the Technology Transfer Section, at the Agricultural Engineering Research Institute responsible for identifying and demonstrating agricultural equipment in old and newly reclaimed lands, identifying training needs, planning, implementing and evaluating farm equipment.

2000 – 2002

Egypt: Member of the AUDI Consult Firm's Technical Experts' Team, responsible for determining market valuation for eight public enterprises.

1996-2001

Egypt: Member of the Agricultural Modernization Project Steering Committee, World Bank.

2000

Egypt: Member of the Technical Experts' Team, responsible for determining Market Valuation, (APRP/DAI) USAID/ MALR

2000

Egypt: member of the Technical Experts' team responsible for determining the causes and assessing the relative effects of the high water tables on the antiquities area, LUXOR (APRP/DAI) USAID /MLAR

1997 to date

Egypt: Founder, Advisor and Member of the Egyptian Olive Oil Processors' association, advising oil processors on the identification of oil processing and bottling machinery and sources. He held meetings with representatives of machinery manufacturers to ensure appropriate installation and operation.

1996

Libya: Member of the Study Team for Agricultural Community Development, along the Great River, Arab Organization for Agricultural Development .

1996

Egypt: Consultant Engineer, assisting the project staff establish machinery rental stations at Noubaria Area.

1996

Egypt: Member of the study group on assisting the staff establish machinery pool, East Ismailia Res. Station, also developed specifications of machines, equipment and tools.

1999

Egypt: Machinery Consultant, for the Branch II Project in Toshka, the Construction Engineering Firm

1990-1997

Egypt: Founder and Advisor, Businessmen's Association for the Promotion of agricultural Machinery, creating a local association to assist agricultural producers and processors to identify, install and maintain machinery. The association was founded in response to a lack of government action.

1997

Egypt: Consultant Engineer, the Tomato Processing Unit for a private Italian Co. I was responsible for the design of a dehydrator facility and supervised its installation and operation. Worked with a local manufacturer of machinery to modify specifications. This facility is currently producing 5 tons of dehydrated tomatoes per day.

1997

Egypt: Consulting Engineer, the High Institute for Agricultural Cooperatives Training Center, developed the specifications for and installed an olive oil processing unit. also analyzed and made recommendations for improving its capacity. Designed grading units for cucumbers, developed the specifications of and supervised the installation of a 50-ton refrigeration unit.

1996

Egypt: Dairy Engineer, Gohina and National Consulting Firm (NCF), identified processing machinery needs for private milk producing firm, selected equipment and proposed appropriate capacities.

1996

Egypt: Consultant Engineer, El Shiati Farms and NCF, assisting in the design and supervised the installation of a potato-grading and refrigeration unit.

1992-1994

USA: Research Associate, Machinery Modification and Testing Unit, School of Agriculture, Purdue University, Indiana.

1990-1992

Egypt: Technical Engineer, Food Sector Development Project, developing the specifications for the procurement of livestock equipment, designing programs for engineers and farmers for milking equipment.

1987 -1992

Egypt: Technical Engineer, the National Agriculture. Research Project (NARP), responsible for developing the specifications for the procurement of tractors, machines and vehicles.

1980-1987

Egypt: Director, Machinery Management and Extension, National Agriculture Mechanization Project (USAID/ /Ministry of Agriculture), where he worked as a counterpart to three US agricultural engineers on a national agricultural mechanization development project. He has been responsible for supervising 60 Egyptian agricultural mechanization engineers on the field who demonstrated agricultural machinery. also developed the technical specifications of machines, equipment, and tooling, trained engineers and farmers on the use and care of equipment, conducted actual machinery adjustments, and translated technical Arabic to English as needed.

1982-1987

Egypt: Coordinator, Mechanization Extension Programs (EMCIP), USAID and the Ministry of Agriculture. The duties include training Egyptian engineers in the mechanization theory and methodology at the Agricultural Research Center in Cairo.

Egypt: Coordinator, the Mechanization Extension programs, USAID / the National Agri. Research Project. Coordinated the agricultural mechanization unit of the Egyptian Cereals Improvement Project, a joint USAID/MALR development project. The duties included training Egyptian agricultural engineers in mechanization theory and methodology at the ARC, Cairo, designing and implementing mechanization programs for the project, assembling operating, maintaining and repairing various equipment belonging to the center and translating technical materials as needs required.

1983-1992

Egypt: Consultant Engineer, the General Livestock Cooperative, developing specifications of the procurement of machines, equipment, and tools for the livestock industry. Other duties included designing training programs for livestock engineers on mechanized milking equipment, and producing equipment, maintenance and repair records machinery.

1978-1979

Egypt: Technical Advisor, World Bank, Menoufia and Sohag Projects. Duties included assisting staff in establishing two pilot farms, selecting appropriate equipment for the farms, and participating on the testing and use of this equipment to produce crops in the test areas.

1978-1979

Egypt: Director of the Menoufia Governorate Tractor Rental Station. Directed the operations of the rental station. Duties included developing operations and maintenance work plans for the station, supervising 23 staff technical personnel and inspected equipment as necessary.

1976-1978

Egypt: Mechanization Inspector, land Reform Organization, the Ministry of Agriculture. Responsible for making regular inspections of various types of equipment in the governorate, designing annual cropping plans, producing technical training programs for engineers and maintenance personnel, training key farmers at the village sites, and assisting foreign experts in conducting feasibility studies in the area.

1967- 1976

Egypt: Agricultural Engineer at the land Reform Cooperative, Behera Governorate, responsible for designing annual crop rotation plans for 1400 fed. Ordered certified seeds for various crops. Produced annual maintenance programs for the equipment, tracked crop harvests, supervised canal excavation operations to improve water flow and carried out various agricultural extension works

Overseas Training course and visits:

Official trips to India, Pakistan, China, USA, France, Italy, Jordan, Canada, Germany, Greece, UK, Thailand and Spain.

Several visits to agricultural fairs in Italy (1981,1982, 1984 , 1988 ,2001&2006)

Training on agricultural Mechanization Programming, New Mexico State University, USA, 1985

Official trips to Zaragoza fair in Spain and also to England to attend a mechanization conference at Cambridge,1983.

Agricultural machinery course in the Philippines (IRRI), 1988

Intellectual Property Rights and Technology Transfer program, Michigan State University, USA, 1998

Training course on horticultural mechanization in the Netherlands, 1979

Training course on farm management, Germany, 1973

Publications:

El behery, A, Abd El moneim, Afaf, Khames, Rania, Effect of Laser Land Leveling on Water Saving,in Egyptian Agriculture, " Water Conservation- A Global Challenge" Kharlsruhe University, Germany, April, 26–May 3,2008.

El behery ,A, Jauacim Krouger, Kassem,A. Abd El moneim, Afaf, Low cost Waste Water Treatment Station, " Flood And Draught Workshop. Technology and Since University Irbid ,Jordan and Technology University Menchen, Germany. 26-28 November.2006.

El Sahriegi; AF; S I El Khatib; A El Behery, 2002: Effect of Farming Operations on the Duration of Laser Technology Precisi0n Land Leveling for Successive Seasons, Arab Universities Journal of Agr. Sciences, Ain Shams University.

A El Behery and Salah El Din El Khatib, 2001: The Effect of Precision Land Leveling on Water use Efficiency and Performance for some Farm Machinery, The Egyptian Journal of Agr. Research.

AH Amer; A El Behery; FH Abdou, October 2000: Acute Environmental Temperature and Ammonia Stress Effects on some eggshell Quality and Laying

Performance in Cages laying Hens, the 8th Conference of Mist Society of Agricultural Engineers.

El Behery, Ahmed, Shawky V, 2000: Agricultural Engineering Guide.

El Behery, A Ahmed, Ibrahim SE, and SAF El Kady 2000: Studies on Flax Threshing Using a Local Paddy Thresher, Egypt, The Journal of Agr. Research, 78 (1)

El Behery, A Ahmed, 1999: Deposition of Pesticide Droplets on Operator Body of Different Types of Sprayers, the 7th Conf. Misr Agricultural Engineering Society, Faculty of Agr. Alexandria University.

El Bery AM and AA El Behery, ICARD Conf. Cairo 1999: Future Trend of Technology Transfer under Egyptian conditions.

El Bery AM and AA El Behery: International Conf. Of food Technology, Bari Italy, 1998, Future Trend for Food Technology under Egyptian condition.

El Behery AA 6th Annual Conf., Safety and Health FOR Agr. Community, the Arab Society of Env. Safety and Occupational Health, Cairo1999. Small and Medium Workshop safety checklist.

El Behery, AA, MI Ward, AA El Sherbiny, the 5th Conf. Misr Agr. Engineering Society, Zagazig University: Performance Evaluation of some Wheat Thresher Machines under Egyptian Conditions.

El Sherbiny, AM, MI Ward and A. El Behery, the 5th Conf. Misr Agr. Engineering Society, Zagazig University: Evaluation of Alternate Irrigation Technique under Furrow Irrigation System.

El Behery, AA, AI Mohamed, MS Metwalli, Misr Journal, 1997, 5th Conf. Misr Agr. Engineering Society, Zagazig University: Effect of Rear Shield and Forward Sped on the Performance of Rotary Plow under Egyptian Conditions.

Huichuan S, A El Behery, M. Byomi: 1st Int'l Energy Rationalization in Agriculture, Mansoura University, march 1998: Evaluation of Different Crop Residue Chopper for Cotton Stalks.

El Behery, A, IS Youssef, the Egyptian Journal of Agr. Research, Vol 3 No. 76, 1998: A Study of the Development of the Forage Chopper Performance for Chopping some Crop Stalks.

El Haddad Z, A El Behery: Farm Tractor Needs Assessment in Egypt and the Western Types Expected Role, 1996.

Abdou F, A El Behery, 1996: Agr. Machinery Safety under Egyptian Conditions, the Egyptian Society Association Conf, Cairo

Abdou F., A. El Behery, 1996: Agricultural Machinery Safety under Egyptian Conditions, the Egyptian Society Association Conf. Cairo

El Sahrigi A, Z El Haddad, A El Behery, 1995: Role of Technology Transfer in Sustainable Development, the Third Conf. Of Mist Society of Agr. Engineers (MSAE)

El Haddad Z, S Younis, A Elk Behery, 1995: Mechanization Extension for Egyptian Agr. Suggested System, Application and Evaluation.

El Behery A, GW Krutz, El Haddad and M El Anssary, 1994: Low Cost High Efficiency Portable Egyptian Thresher, the Int'l Conf. of Agr. Engineering Proceedings, Milan, Italy, 1994

El Behery A, GW Krutz, El Haddad and M El Anssary, 1994: Low Cost Higher Efficiency Portable Egyptian Thresher (AMA), the Agr. Mechanization in Asia, Africa, and Latin America (published in 1997)

El Behery A and GW Krutz, 1993: Development of Better-type Stationary Thresher for Egyptian Wheat and Rice Conditions, paper No. 938518, ASAE Winer meeting, Chicago IL (14-17 Dec)

Abdel Maksoud S, A Hashesh, M Abdel Aziz, and A El Behery, 1993: Mechanical Cotton Planting under Egyptian Conditions. Misr Society of Agr. Engineering, Cairo (MSAE)

El Awady, N, A Hashesh, A El Behery, 1980: Mechanical Rice Transplanting under Egyptian Conditions.