

PERSONAL INFORMATION



 **Mohamed Ismail Abd El-Ghaffar Fayed**
 **Hanout, Zifta, El-Gharbya (Egypt)**
 **(+2) 01013432036 - (+2) 01224713324**
 **dr_eng.fayed@yahoo.com**
 **<https://orcid.org/0000-0002-8846-0129>**
 **<https://www.researchgate.net/profile/Mohamed-Fayed-5>**
 **<https://zagazig.academia.edu/MohamedFayed>**
 **<https://scholar.google.com.eg/citations?user=rEXnwaoAAAAJ&hl=ar>**
 **[Linkedin.com/in/mohamed-fayed-5b1351173](https://www.linkedin.com/in/mohamed-fayed-5b1351173)**

Sex Male | **Date of birth** 1 Apr 1991 | **Nationality** Egyptian

WORK EXPERIENCE

2022 - Present

Instructor

Zone Foundation for Training and Consulting (Egypt)

2017 - Present

Lecturer

Agricultural Engineering Research Institute, El-Sharkia (Egypt)
Survey Academy Foundation, Zagazig, El-Sharkia (Egypt)

Feb 2017 - Sep 2020

Ph.D. Researcher

Agriculture Engineering, Faculty of Agric., Zagazig University, Zagazig (Egypt)
Agricultural Engineering Research Institute, Kafar El-Hmam Research station, El-Sharkia (Egypt).

Evaluating and calibrating the extraction machines and studying the properties of the seeds before extraction

Jan 2017 - Feb 2020

Survey and Maps Specialist (Surveyor)

Present

Survey Academy Foundation, Zagazig, El-Sharkia (Egypt)
The use of different surveying devices and Tools (Level-Staff and Total Station)
Surveyor technical office engineer - 3D architectural design - Land division and Survey calculation

2017 - Present

Sales Engineer (Freelancer)

Animal Feed Agency, El-Gharbya (Egypt)
Cosmetics Agency, El-Gharbya (Egypt)

Sep 2013 - Jul 2016

MSc. Researcher

Agriculture Engineering, Faculty of Agric., Zagazig University, Zagazig (Egypt)
Agricultural Engineering Research Institute, Gemmeiza Research station, El-Gharbya (Egypt).

Evaluating and calibrating systems for extracting flax fibers and studying the technological properties of flax fibers.

2013 - 2017

Trainer

Agricultural Engineering Research Institute, Gemmeiza Research station, El-Gharbya (Egypt).

Testing and evaluation of agricultural machines.

May 2013 - Jul 2013

Agricultural engineer

No bugs pest Control Company (Egypt)

EDUCATION

Sep 2020

PhD in Agricultural Science (Agricultural Engineering)

Agricultural Science (Agricultural Engineering), Agriculture Engineering, Faculty of Agric., Zagazig University, Zagazig (Egypt)

Title: Development of Machine Suit Separating Kernel of Apricot Seeds

Objectives:

- 1) Study some physical and mechanical properties of separating apricot seeds and kernel.
- 2) Manufacture and develop a machine to be suitable for separating the kernel of apricot seeds.
- 3) Select the optimum conditions to operate the separating machine.
- 4) Evaluate the machine from the energy and economic points of view.

Jul 2016

Master of Science in Agricultural Science (Agricultural Engineering)

Agriculture Engineering, Faculty of Agric., Zagazig University, Zagazig (Egypt)

Title: Engineering Studies on Flax Fiber Extraction

Objectives:

- 1) Evaluate some technological properties of flax fibers in relation to different retting methods.
- 2) Improvement of the water retting in cement basin methods (Traditional retting methods).
- 3) Select the proper system for extracting flax fibers with a low cost, low energy, and high efficiency.

May 2012

Bachelor of Agricultural Engineering

Agricultural Engineering, Faculty of Agric., Banha University, Banha (Egypt)

Very good with honors (80.45%).

RESEARCH EXPERIENCE

2022

Mahde, Noor F.; and M. I. A. Fayed (2022). Using apricot seed kernels for the development of supplemented cakes. Caspian Journal of Environmental Sciences, 20(5) Special Issue: Economical Aspects of Environmental Studies: 911-918.

2022

Lazim, Israa I.; Samar J. Mohammed; Neran A. Al Naqeeb; and M. I. A. Fayed (2022). Use of Some Aquatic Plants as Bioindicator of Contamination with Hydrocarbons and Heavy Elements: A Review. Annals of Agri-Bio Research 27 (2):204-210.

2022

Ali, H. H.; M. I. A. Fayed; and I. I. Lazim (2022). Use of aquatic plants in removing pollutants and treating the wastewater: A review. Journal of Global Innovations in Agricultural Sciences, 10(2):61-70.

2021

Alrashedi, H. S.; S. S. K. Al-Ataie, Shaima R. Banoon; and M. I. A. Fayed (2021). Potential Role of Medicinal Plants for the Treatment of Respiratory Viruses: A Review. Egypt. J. Chem., 64(12):7495 - 7508.

2020

Fayed, Mohamed I. A.; M. S. El-Shal; and O. A. Omar (2020). Determination of some apricot seed and kernel physical and mechanical properties. Agricultural Engineering International: CIGR Journal 22 (4):229-237.

2016

Fayed, Mohamed I. A.; M. S. El-Shal; A. S. El-Ashry; and Hanan M. El-Shal (2016). Engineering Studies on Flax Fiber Extraction. J. Agric. Zagazig Univ., 43 (3):1025 - 1038.

PERSONAL SKILLS**Agric. Eng. skill (s)****Agricultural machinery** (machinery design and management), **Biosystems Engineering, Food processing engineering, Irrigation and drainage engineering, solar energy, hydroponic, and aquaponics, Quality...****Mother tongue(s)****Arabic****Foreign language(s)****English****UNDERSTANDING****Listening****B2****Reading****C2****SPEAKING****Spoken interaction****B2****Spoken production****B2****WRITING****C2****TOEFL**Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages**SCIENTIFIC CONFERENCES****11th March 2022**➤ **1st International Conference on Applications of New Techniques in Agriculture**, Tanta University, Egypt.**8-10th March 2022
(online)**➤ **1st International Conference on Sustainable Ecological Agriculture**, Selcuk University, Konya, Turkiye.**27-28th February
2021
(online)**➤ **Shaping of Education Future in the Fourth Industrial Revolution (AIQC - SEF)**, The annual international QEAAS Conference, Quality Education and Academic Accreditation Scientific Society, Mansour-Baghdad (Iraq).**29-30th November
2020
(online)**➤ **14th Dubai International Food Safety Conference**, Dubai International Food Safety Conference, Dubai Municipality, United Arab Emirates.**25-28th November
2020
(online)**➤ **8th International Renewable and Sustainable Energy Conference (IRSEC'20)**, Ministry of Energy, Mines, and Environment, Tetouan, Morocco.**21st October 2020
(online)**➤ **International Conference: Scientific Research in Light of the Coronavirus Pandemic - Reality and Hope**, Academics and Researchers Platforms (IFAD), IFAD Platform, (Jordan).**WORKSHOP AND SCIENTIFIC MEETING****2018 - Present
(online)**➤ **Attending many workshops (scientific writing, international publishing Statistical Data Preparation, Sample Size Calculation, reference management, Poster Presentations)**

Researcher Academy-Elsevier, Cell Press, Web of Science (Clarivate), CABI, Consortium of Ethiopian Academic Research Libraries (CEARL), IFAD (Jordan), Egyptian Knowledge Bank (EKB), National Research Center, Tanta University (Egypt).

**8th September 2022
Webinar (online)**➤ **Career opportunities in sustainability-related fields**, Sustainable Egypt Initiative (Egypt).**18th August 2022
Webinar (online)**➤ **Climate change and its relation to food security and agricultural production map**, Sustainable Egypt Initiative (Egypt).**2021 - Present
(online)**➤ **Attending many workshops (Quality Management, Education Quality)** Academics and Researchers Platforms (IFAD), IFAD Platform, (Jordan).**2020 - Present
(online)**➤ **Attending many workshops (COVID-19, Vaccine Development for Coronaviruses, COVID-19 Transmission, COVID-19 Pandemic, and managing COVID-19 patients)**

Harvard Medical School, Accreditation Council for Continuing Medical Education (ACCME) (United States), Researcher Academy, Elsevier, Egyptian Knowledge Bank (EKB), National Research Center (Egypt).

Curriculum vitae

Mohamed Ismail Abd El-Ghaffar Fayed

- 20th-22nd December 2020 **Webinar (online)** ➤ **Role of the Central Laboratories Network and Centers of Excellence at the National Research Centre to Provide Emerging Technologies to the Scientific Society**, National Research Center, Cairo (Egypt).
- 3rd December 2020 **Symposium (online)** ➤ **Financial Evaluation of Farming Without Soil (Hydroponics) Systems for Some Vegetable Crops**, Agricultural Economists Forum, (Egypt).
- 1st November 2020 **Webinar (online)** ➤ **The Use of Modern Technologies for Means of Communication and Information Technology in Agricultural Extension**, National Research Center, Cairo (Egypt).
- 16th April 2020 **Symposium (online)** ➤ **Economic evaluation of sheep feeding experience on plant residues and agricultural losses**, Agricultural Economists Forum, (Egypt).
- 2nd April 2020 **Lecture (online)** ➤ **Professional Skills**, Agricultural Engineer Academy, (Egypt).
- 18th June 2019 **Workshop** ➤ **Algae Third Generation Biofuels: Production, Use, Challenges and Forecasts**, National Research Center, Cairo (Egypt).
- 19th May 2019 **Workshop** ➤ **Biosecurity and Biosafety in Animal Farms**, Faculty of Veterinary Medicine, Mansoura University, Mansoura (Egypt).
- 7th August 2016 **Workshop** ➤ **International Workshop on Agricultural Engineering in Egypt and China**, National Research Center, Cairo (Egypt).
- 3rd February 2016 **Workshop** ➤ **Future visions towards a clean, safe, and sustainable environment**, Faculty of Agriculture, Cairo University, Giza (Egypt).
- 2013 - Present ➤ **Attend scientific seminars and see the latest scientific developments in agricultural engineering**, Institute of Agricultural Engineering Research, Gemmeiza Research station, El-gharbya and Kafar El-Hmam Research station, El-Sharkia (Egypt).

TRAINING COURSE

- 10th October 2022 **(online)** ➤ **Climate change and its effect on health and how mobilize the community role**, AMS Academy and Quality Oasis (London).
- 22-25th July 2022 **(online)** ➤ **Digital Transformation Training**, Microsoft Egypt, and ministry of youth and sports (Egypt).
- 7th July 2022 **(online)** ➤ **Quality Standards in Food Safety**, AMS Academy and Quality Oasis (London).
- 9-20th April 2022 **(online)** ➤ **TOT**, Zone Foundation for Training and Consulting (Egypt)
- 31st December 2020 **(online)** ➤ **Manuscript Writing Course**, Academic and Training Affairs-Jeddah, King Faisal Specialist Hospital & Research Centre, Jeddah (Saudi Arabia).
- 6th November 2020 **(online)** ➤ **Crop Pest Diagnosis (English - V 2.0) Powered by Plantwise**, CABI Academy, Nosworthy Way, Wallingford, Oxfordshire OX10 8DE (UK).
- 1st January - March 2020 **March 2020** ➤ **Survey Diploma**, at Survey Academy Foundation, Zagazig (Egypt).
➤ **SketchUp, AUTOCAD Civil 3D & 2D, Surfer, Prolink & SOKKIA Link**
➤ **Preparation of administrative and executive leaderships (first stage)**, The State Information Service, Central Delta Sector - in partnership with the Leaders Foundation for Administrative Sciences and Development, Zifta, Gharbia, (Egypt).
- 29th-31st January 2019 ➤ **The impact of climate change and its results on the agricultural sector**, at Climate Change and Renewable Energy Information Center, Agricultural Research Center, Giza (Egypt).
- 29th July - 9th August 2018 ➤ **Greenhouse (Training Program for The 100,000 Feddan Greenhouses Project)**, at the supervision of the Ministry of Agriculture and Land Reclamation and the Arab Organization for Industrialization (Egypt).

Curriculum vitae

Mohamed Ismail Abd El-Ghaffar Fayed

- 4-5th July 2018** ➤ **The use of global databases and the management and organization of scientific references and avoid citation**, at Zagzig University (Egypt).
- 26th April - 7th June 2015** ➤ **TOEFL**, at E.S.P. Center, Zagzig University (Egypt).
- 24-30th March 2015** ➤ **SPSS**, at Faculty of Science, Zagzig University (Egypt).
- 7th May 2012** ➤ **ICDL - Syllabus Version 4.0.**, at FCI, Banha University (Egypt).
- 10th March 2012** ➤ **AUTOCAD 2D**, at SysNet Lab, Cairo University (Egypt).
- 2nd October 2010** ➤ **IT-Essential (Hardware & Software)**, at Cisco Academy-Arab Federation for Training (Egypt).