

Ministry of Agriculture and Land Reclamation

Agricultural Research Center (ARC)

Agricultural Engineering Research Institute (AEnRI)



CURRICULUM VITAE

PERSONAL DATA

- ❖ **Name:** Mahmoud Mohamed Hesham Okasha
- ❖ **Designation:** Researcher
- ❖ **Major Field:** Agricultural Engineering
- ❖ **Minor Field:** Farm Machinery and Power
- ❖ **Affiliation:** Rice Mechanization Center (RMC), Meet El-Deeba, Agricultural Engineering Research Institute (AEnRI), Agricultural Research Center (ARC), Ministry of Agriculture and Land Reclamation, Egypt
- ❖ **Department:** Agricultural Mechanization Operations Systems
- ❖ **Date of Birth:** November 10, 1988
- ❖ **Place of Birth:** Ahmed Abd El-Aziz St., division 4, Kafr El-Sheikh City, Kafr El-Sheikh Governorate, Egypt
- ❖ **Place of Residence:** Al-Khobraa Tower, Al-Gomhuria Street, Kafr El-Sheikh City, Kafr El-Sheikh Governorate, Egypt
- ❖ **Nationality:** Egyptian
- ❖ **Religion:** Muslim
- ❖ **Marital Status:** Married (Two Daughters)
- ❖ **Home Phone:** +20473160400; Mobile: +201003133841
- ❖ **E-mail:** mahmoudokasha1988@yahoo.com
mahmoudokasha1988@gmail.com
mahmoudokasha1988@arc.sci.eg
Mahmoud_Okasha25@agr.kfs.edu.eg
- ❖ **Languages:** Arabic (Native Language) & English



MAIN SITES

 Research Gate: https://www.researchgate.net/profile/Mahmoud_Okasha8

 Academia.edu: <https://aenri.academia.edu/MahmoudOkasha>

 ORCID ID: <https://orcid.org/0000-0002-1265-4939>

 LinkedIn: <https://www.linkedin.com/in/mahmoud-okasha-513a80124/>

 Google Scholar: <https://scholar.google.com/citations?user=12g9r-YAAAAJ&hl=ar>

 Scopus Author ID:
<https://www.scopus.com/authid/detail.uri?authorId=57316606900>

 Web of Science ResearcherID: <https://publons.com/researcher/ABE-8944-2020/>

 SciProfile: <https://sciprofiles.com/profile/1712436>

QUALIFICATIONS & DEGREES OBTAINED

- ❖ **Ph. D. degree** in the Agricultural Engineering “Farm Machinery and Power” in **May 2019** with **CGPA “3.614 out of 4.0”** from the Faculty of Agriculture, Mansoura University, Egypt. The title of thesis: **Development of a Combine Machine for Hoeing Rows and Reforming.**
- ❖ **M. Sc. degree** in the Agricultural Engineering “Farm Machinery and Power” in **August 2014** from the Faculty of Agriculture, Kafrelsheikh University, Egypt. The title of thesis: **Development and Evaluation of Mechanical Weeder for Small-Scale Farms.**
- ❖ **B. Sc. degree** in the Agricultural Sciences (Agricultural Engineering) in **June 2010** with a final degree of “**very good**” grade from the Faculty of Agriculture, Kafrelsheikh University, Egypt.
- ❖ International Computer Driving License (**ICDL Arabia**), license No. (skills card No.): **EGT150009462.**

- ❖ Test of English as Foreign Language (TOEFL ITP) from AMIDEST.

CAREER

- ❖ **Researcher (Assistant Professor)** - Agricultural Engineering Research Institute - Agricultural Research Center from **July 2021 till the present.**
- ❖ **Assistant Researcher (Assistant Lecturer)** - Agricultural Engineering Research Institute - Agricultural Research Center from **August 2019 till the present.**
- ❖ **Agricultural Engineer** - Agricultural Engineering Research Institute - Agricultural Research Center from **July 2011 to August 2019.**

PUBLISHED RESEARCHES

- (1) Askari, M.; Abbaspour-Gilandeh, Y.; Taghinezhad, E.; El Shal, A. M.; Hegazy, R.; **Okasha, M.** Applying the Response Surface Methodology (RSM) Approach to Predict the Tractive Performance of an Agricultural Tractor during Semi-Deep Tillage. 2021, 11, 1043. DOI: [10.3390/agriculture11111043](https://doi.org/10.3390/agriculture11111043)
- (2) Abo-Habaga, M. M.; Z. M. Imara and **M. H. Okasha** (2018). Development of a combine hoeing machine for flat and ridged soil. Journal of Soil Sciences and Agricultural Engineering, Mansoura University, 9(12): 817-820. DOI: [10.21608/jssae.2018.36548](https://doi.org/10.21608/jssae.2018.36548)
- (3) Hegazy, R. A.; I. A. Abdelmotaleb; Z. M. Imara and **M. H. Okasha** (2014). Development and evaluation of small-scale power weeder. Misr Journal of Agricultural Engineering, 31(3): 703-728.

SCIENTIFIC CONFERENCES

- ❖ The 4th International Conference of Agricultural and Biological Engineering, entitled: The Role of Agricultural and Biological Engineering to Achieve Agriculture Strategy Regionally and

Internationally. It was held at Nadi El-Said Street, Dokki, Giza, Egypt during the period of 6-7 September 2015.

- ❖ The 5th International Conference of Agricultural and Biological Engineering, entitled: The Role of Agricultural and Biological Engineering for Advancement of the Agricultural Sector. It was held at Nadi El-Said Street, Dokki, Giza, Egypt during the period of 26-27 September 2017.
- ❖ The 21st Conference of Misr Society of Agricultural Engineering (MSAE) entitled: New Technologies in Agricultural and Biosystems Engineering and their Applications for Supporting Sustainable Development. It was held at the Faculty of Agriculture, Alexandria University, Alexandria, Egypt on 25 November 2017.
- ❖ The 6th International Conference of Biotechnology, Environment and Engineering Sciences. It was held at Tolip Hotel Alexandria, Alexandria, Egypt during the period of 28-29 December 2019.
- ❖ The 1st International Conference of Agricultural Engineering Faculty & 23rd of Misr Society of Agricultural Engineering (MSAE) entitled: Agricultural Engineering, Inclusive and Sustainable Development. It was held at Al-Azhar University, Nasr City, Cairo, Egypt during the period of 4-5 March 2020.
- ❖ Attending a (Webinar) Conference entitled: Modern Egyptian African Agriculture is the Future of Food Security and Sustainable Development in Light of the Epidemic Crises, on 23 June 2020, held online via Zoom Cloud Meetings.
- ❖ Attending a Scientific Symposium entitled: Specialized Skills and Job Market Needs for Agricultural Engineering Students, on 14 December 2020, held in Agriculture Faculty, Kafrelsheikh University.
- ❖ Attending the 1st International Conference on Innovative Technologies for a Sustainable Environment. It was held online via Zoom Cloud Meetings in Manila, Philippines, on 28 December 2020.

- ❖ Attending Youth Science Forum. It was held online via Zoom Cloud Meetings, National Research Center, Egypt during the period of 14-16 January 2021.
- ❖ Attending an International Webinar entitled: Biofuel and Biomass. It was held online via Zoom Cloud Meetings, during the period of 26-27 August 2021.
- ❖ Attending a workshop entitled: Design of silica based filter for wastewater treatment in food industry. It was held online via Zoom Cloud Meetings, Food Technology Research Institute, Egypt, on 1 September 2021.
- ❖ Attending a Webinar entitled: Opportunities in the Agro-Food Chain in Egypt. It was held online via Zoom Cloud Meetings in Egypt, on 5 September 2021.
- ❖ Attending the 9th International Conference on Agriculture and Rural Development. It was held online via Zoom Cloud Meetings during the period of 29-30 September 2021.
- ❖ Attending World Food Forum. It was held online via Zoom Cloud Meetings, Rome, Italy, during the period of 1-5 October 2021.
- ❖ Attending Global Symposium on Salt-affected Soils – GSAS21. It was held virtually under the patronage of Food and Agriculture Organization of the United Nations (FAO), during the period of 20-22 October 2021.
- ❖ Attending International Web Conference on Smart Agriculture for Resource Conservation and Ecological Stability. It was held virtually during the period of 29-31 October 2021.
- ❖ Attending the 2nd International Conference on Innovative Technologies for a Sustainable Environment. It was held online via Zoom Cloud Meetings in Manila, Philippines, on 19 November 2021.
- ❖ Attending World Soil Day 2021 under the patronage of Food and Agriculture Organization of the United Nations (FAO). It was held online via Zoom Cloud Meetings, on 3 December 2021.

ACTIVITIES (TRAINING AND EXTENSION)

- ❖ Participation in training students of Agricultural Engineering Department, Faculty of Agriculture, Mansoura University at Rice Mechanization Center (RMC), Kafr El-Sheikh Governorate, during the period from 16 July to 10 September 2017.
- ❖ Participation in training students of the Faculty of Agricultural Engineering, Al-Azhar University at Rice Mechanization Center (RMC), Kafr El-Sheikh Governorate, during the period from 1 July to 15 September 2019.
- ❖ Participation in the activities of the field day of the program for mechanical transplanting of the rice crop at the research farm of the Rice Mechanization Center (RMC), Kafr El-Sheikh Governorate on 24 June 2020.
- ❖ Participation in the activities of the field day of the program for rice research and training at the research farm of the Rice Research & Training Center, Sakha, Kafr El-Sheikh Governorate on 1 September 2020.
- ❖ Participation in training students of the Department of Agricultural Engineering, Faculty of Agriculture, Mansoura University at Rice Mechanization Center (RMC), Kafr El-Sheikh Governorate, during the period from 15 August to 1 September 2021.
- ❖ Participation in the activities of the field day of the programs for maize & rice research and training at Sakha Agricultural Research Station, Sakha, Kafr El-Sheikh Governorate on 25 August 2021.

TRAINING COURSES

- ❖ Attending a training course entitled: Mechanical Harvesting of Cotton, it was held at Rice Mechanization Center (RMC), Kafr El-Sheikh Governorate, during the period from 2-6 September 2020.
- ❖ Attending a training course entitled: International Publication of Scientific Researches, it was held at Horticulture Research

Institute, Agricultural Research Center, during the period from 26-28 January 2020.

- ❖ Attending a workshop entitled: Smart Storage, Packaging and Wastes Management of Different Crops, it was held at Agricultural Engineering Research Institute, Dokki, Giza, during the period from 27 September to 1 October 2020.
- ❖ Attending a training course entitled: Drying Systems for Agricultural Crops, Medicinal and Aromatic Plants, it was held at Rice Mechanization Center (RMC), Kafr El-Sheikh Governorate, during the period from 18-22 October 2020.
- ❖ Attending an international workshop entitled: Smart Agriculture for Developing Nations: Broader Perspectives and Special Challenges for Island States. It was held online via Microsoft Teams, New Delhi, India, during the period from 11-12 August 2021.
- ❖ Attending an international training course on Practical Technology of Small Agricultural Machinery for Developing Countries. It was held online via Zoom Cloud Meetings, China, during the period from 11-31 August 2021.
- ❖ Attending an international training course on New Technology Popularizing of Agricultural Mechanization for Developing Countries. It was held online via VooV Meeting, China, during the period from 12 October to 1 November 2021.
- ❖ Attending an international training course on The Water-Energy-Food-Ecosystems Nexus: From Research to Practice. It was held online during the period from 6-8 December 2021.
- ❖ Attending an international training course on The Agricultural Engineering Technologies for Enhancing Productivity and Profitability in Agriculture Sector. It was held online via Zoom Cloud Meetings, India, during the period from 10-21 January 2022.

MEMBERSHIP

- ❖ Member: Misr Society of Agricultural Engineering (MSAE),
Membership No.: 903. <http://www.mjae.eg.net>

- ❖ Member: Agricultural Professions Syndicate, **Membership No.: 753429.**
- ❖ Member: American Society of Agricultural and Biological Engineers (ASABE), **Membership No.: 1058596.**

REVIEWER IN THE FOLLOWING JOURNALS

- ❖ American Journal of Agriculture and Forestry (AJAF);
<http://www.agricultureforestry.org>
- ❖ Journal of Agriculture and Applied Biology (JAAP);
<http://jaabjournal.org/index.php/jaab>
- ❖ International Journal of Agricultural Science and Research (IJASR);
<http://www.tjprc.org/journals/journal-of-agricultural-science>
- ❖ American Journal of Agricultural Science, Engineering and Technology (AJASET); <http://www.agricultureforestry.org>
- ❖ Heliyon; <https://www.cell.com/heliyon/home>
- ❖ Agriculture & Food Security;
<https://agricultureandfoodsecurity.biomedcentral.com/>
- ❖ Journal of Texture Studies;
<https://onlinelibrary.wiley.com/journal/17454603>
- ❖ Agricultural Engineering International: CIGR Journal
<https://cigrjournal.org/index.php/Ejournal/index>
- ❖ International Journal of Agronomy
<https://www.hindawi.com/journals/ija/>
- ❖ Journal of Energy Resources Technology, Transactions of the ASME
<https://asmedigitalcollection.asme.org/energyresources>
- ❖ Journal of Soil and Water Conservation (JSWC)
<https://www.editorialmanager.com/jswc/default1.aspx>
- ❖ Biosystems Engineering
<https://www.sciencedirect.com/journal/biosystems-engineering>

EDITOR IN THE FOLLOWING JOURNALS

- ❖ Journal of Agriculture and Applied Biology (JAAP);
<http://jaabjournal.org/index.php/jaab>
- ❖ Plant Archives; <http://www.plantarchives.org/index.html>
- ❖ Agricultural Sciences;
<https://www.scirp.org/journal/editorialboard.aspx?journalid=191>
- ❖ Sarhad Journal of Agriculture; <https://researcherslinks.com/journal-details/Sarhad-Journal-of-Agriculture/14/aims-and-scope>

EDITOR-IN-CHIEF FOR THE FOLLOWING JOURNALS

- ❖ Indian Journal of Agriculture Engineering (IJAE);
<https://www.ijae.latticescipub.com/>