

# *Ayman Mahmoud Ali OSman*



## *Personal Information*

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**Date of Birth:** January 10, 1989

**Address:** Qena Governorate – Nag Hammadi Center

**Marital Status:** Married

**Contact Information (Phone):** (01063188440 – 01554061989)

**Email Addresses:** Ayman.aa972@gmail.com; Ayman.aa972@aswu.edu.eg

**Scientific Research Profile:** <https://scholar.google.com/citations?user=lgtei40aaaaj&hl=ar>

**ORCID:** [0009-0005-9537-464X](https://orcid.org/0009-0005-9537-464X)

## *Professional Summary*

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A scientific researcher in the field of field crops (forage crop production), with numerous scientific research projects in the same specialization and others related to the application of ruminant nutrition and care. He previously served as an executive manager overseeing livestock farms, animal nutrition, and crop cultivation and production. This experience has given him extensive expertise in managing agricultural projects and institutions, as well as experience in developing and implementing agricultural plans for forage crops that meet the nutritional needs of broiler chickens, fattening animals, and dairy cattle. His practical experience includes implementing and monitoring ruminant feeding programs, supervising automated milking parlors and broiler chicken breeding stations, monitoring poultry slaughterhouse operations and handling emergencies, implementing preventative programs, installing feed mixers for farm animals, and utilizing available resources.

## *Technical and Professional Competencies*

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- Scientific research and continuous development
- Skilled in agricultural project management, development, and strategic growth
- Innovation in leadership, management, and resource utilization
- Risk management, regulatory compliance, and business continuity planning
- Team management, talent development, and mentorship
- Expertise in agricultural operations (forage crops - animal production)
- Improving the performance of productive agricultural projects
- Cost improvement and efficiency enhancement in the livestock development sector
- Strategic development of capital investment and expansion

- Applying scientific and practical solutions in management and cost reduction
- Crisis management and working under pressure
- Building relationships with relevant government entities in agricultural projects

### ***Areas of Work and Expertise***

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- Scientific research, innovation, and development
- Assessment and reform of agricultural project problems
- Management of agricultural institutions and performance improvement
- Production of feed for fattening livestock, dairy cows, and sheep
- Management and monitoring of poultry farms (broilers) and poultry slaughterhouses
- Management and monitoring of animal production projects
- Cultivation, production, and management of forage crop projects
- Cooperation with the Food Safety Authority and Food Control on licenses for the milking parlor and poultry slaughterhouse

### ***Memberships, Organizations, and Volunteer Work***

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- Our Land's Climate Foundation for Sustainable Development - Declared under No. 11485 for 2017
- Lecturer at the Life Sciences Organization
- Member of the Association for the Advancement of Agriculture and Scientific Research at Al-Azhar
- Member of the Syndicate of Agricultural Engineers

### ***Education***

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- **December 2025:** Registration of a research point for a Ph.D. thesis titled: "**Evaluation of the production and quality of forage crop of panicum mixed with alfalfa under the influence of plant density, nitrogen fertilization and different cutting intervals**"
- **2025:** Passed Ph.D. preparatory stage (Grade: Very Good) - Institute of African Research and Studies and Nile Basin Countries – Aswan University (p. 2)
- **2024:** Master's degree in African Studies - Department: Natural Resources, Specialization: Plant Resources - Thesis Topic: Forage Crop Production
  - **Thesis Title: "Effect of sowing date and seeding rate on the production and quality of three panicum cultivars in North Africa" (case study Egypt)**
- **2020:** Passed Master's preparatory stage (Grade: Very Good)
- **2019:** Higher Diploma in Natural Resources, Aswan University (Institute of African Research and Studies and Nile Basin Countries) (Grade: Good)
- **2015:** Bachelor of Agricultural Sciences – Agricultural Project Technology and Management Division, Ain Shams University in partnership with Assiut University (Grade: Good)

- **2005:** Industrial Apprenticeship Diploma, Aluminum Production and Alloys Division, Egypt Aluminum Company

### ***Published Scientific Research***

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- **2026:** Research titled: ***Adaptability and harvest response of Panicum maximum under Mediterranean arid and semi-arid conditions***, (joint international research), DOI 10.3389/fagro.2026.1813181, Frontiers in Agronomy Journal.
- **2026:** Research titled: ***Effect of Eating Rate on Physiological and Productive Responses of Dairy Cows and Beef calves under Different Seasonal Conditions" (Case study Qena)***, ID: SVUIJAS-2505-1467 (R4), SVU-International Journal of Agricultural Sciences
- **2025:** Research titled: ***Performance of Panicum under different sowing date and seeding rate in North Africa (case study Egypt)***, Journal of African and Nile Basin
- **2025:** Research titled: ***Effect of seasonal variation on feed intake, body temperature, respiration rate, and level of milk yield in Holstein cows and fattening calves***, Al-azhar journal of agricultural research
- **2026:** Research titled: ***Effect of eating rate on physiological and productive responses of dairy cows and beef calves under different seasonal conditions" (case study in Qena Governorate )***, SVU-International Journal of Agricultural Science.

### ***Scientific Conferences***

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- **2025:** Second Scientific Conference of the Association for the Advancement of Agriculture and Scientific Research at Al-Azhar Al-Sharif University, April 29-30, 2025
  - Participation with research titled: ***Evaluation of some genotypes of panicum Mombasa plant in South Egypt***, international journal of animal biosciences
- **2025:** Second International Scientific Conference, Faculty of Agriculture, New Valley University, Arab Republic of Egypt, February 16-17, 2025
  - Participation with research with the Arid Lands Institute - Animal Resources Laboratory in Tunisia and the Agricultural Research Center in Sidi Bouzid, Tunisia - titled: ***Effect of using milk production in dairy cows and weight gain in fattening calves***, New valley journal of agricultural science
- **2025:** Scientific conference on animal resources and wildlife in arid and semi-arid regions (SIEFAD 2025) from November 4 to 6, 2025 in Tunisia
  - Participation with research titled: ***"Effect of panicum inclusion in the diet on milk yield in dairy cows"***, MAHMOUD A., HAJLAOUI A., AYEBA N.

### ***Scientific Research Under Publication***

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Evaluation of a Panicum and Alfalfa Forage Mixture Under the Influence of Plant Density and Nitrogen and Phosphorus Fertilization Rates in Upper Egypt

Evaluating the Quality of Panicum maximum Silage under the Influence of Harvest Stage and Fermentation-Enhancing Additives in Upper Egypt

## ***Work Experience***

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### **Egypt Aluminum Company**

- **From 1/5/2026 until date:** Adapting to the duties of the Secretary General and Vice Chairman of the Board of Directors of the "Egypt Aluminum Company Employees' Shareholders Union"
  - **From 01/2026 until the present date,** working in the Research and Design sector at Egypt Aluminum Company
  - **From 01/2023 until 31/12/2025,** performing the duties of the Director of the Livestock, Poultry and Forage Crops Production Projects Department
- And Present:** Supervision of Livestock farm (fattening – dairy cows – automatic milking parlor), Broiler poultry station and poultry slaughterhouse, and Green fodder farms and feed manufacturing unit
- **Jan 10, 2023 – Apr 2023:** Agricultural Engineer in the Animal Production Farm Department
  - **Apr 2010 – Jan 9, 2025:** Planning and follow-up official, authorized to implement the ISO system, and part of the ERP project implementation team
  - **2007 – Apr 2010:** Technician at Egypt Aluminum Company in Nag Hammadi

## **Special Skills**

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- Jan 2025 – Present: Acting Manager of Animal and Poultry Production Projects and Forage Crops Department at Egypt Aluminum Company
- May 2023 – Present: Supervision of:
  - Livestock farm (fattening – dairy cows – automatic milking parlor)
  - Broiler poultry station and poultry slaughterhouse
  - Green fodder farms and feed manufacturing unit
- Jan 10, 2023 – Apr 2023: Agricultural Engineer in the Animal Production Farm Department
- Apr 2010 – Jan 9, 2025: Planning and follow-up official, authorized to implement the ISO system, and part of the ERP project implementation team
- Apr 2010: Technician at Egypt Aluminum Company in Nag Hammadi

## Languages

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- Arabic (Native Language)
- English (Very Good)

## Training Courses

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**Aug 7–12, 2010:** Methods for improving performance rates

**Jan 15–17, 2011:** Awareness for new employees

**Apr 7–12, 2012:** Awareness of ISO 9001/2008 specification

**Mar 22–24, 2014:** Awareness of OHSAS 18001/2007 specification

**Sep 2–4, 2018:** OSHA for general industries

**Mar 14–18, 2021:** Report preparation and writing skills

- **Occupational Safety and Health Programs:**

**Dec 5–7, 2015:** Firefighting and extinguishing

**Sep 27–29, 2016:** First aid

- **English Language Programs (Languages Center, South Valley University):**

Headway (Elementary) Level 1 and Headway (Pre-intermediate) Oct 5, 2017 – Feb 2, 2018

Headway Intermediate-Step 1 (Level 2B) Mar 5, 2018 – Jul 2, 2018

Pre-intermediate (A1) Oct 5, 2018 – Mar 2, 2019

New Headway (Intermediate-Step 2) Oct 5, 2019 – Mar 2, 2020

New Headway (Upper-Intermediate-Step 1) Oct 5, 2019

- **Academic Programs:**

- Digital Transformation Program from Aswan University, 2020
- English Language Proficiency Program (TOEFL) Aswan University, 2023
- Animal Production Farms and Their Types Program - PPA Academy for Agricultural Consultations and Training