



Mohamed Abdelrahman

Nationality: Egyptian **Date of birth:** 23/07/1988 **Gender:** Male

✉ **Email address:** Mohamed.asad@agr.au.edu.eg

📍 **Home:** Asyut, Egypt, 71517 Asyut (Egypt)

📍 **Other:** Huazhong Agricultural University, Wuhan (China)

WORK EXPERIENCE

Assistant lecturer

Assuit University, Faculty of Agriculture, Animal Production Department [29/07/2019 – Current]

City: Asyut

Country: Egypt

Teaching Assistant

Animal Production Departement, Faculty of Agriculture, Assuit University [04/2013 – 29/07/2018]

- Teaching Assistant in Animal Production Courses
- Working in upgrading scientific resources for students and post graduate students
- Demonstrator for development workshops for society development, Poverty alleviation and rural regions development using new agriculture techniques

Agronomist

Integrated Technology Transfer Unit, Assuit University. [30/07/2014 – Current]

City: Assuit

Country: Egypt

R&D Section

- Working on agriculture solutions for different agriculture sector like :
- Basmatti rice processing in traditional milling planets in Egypt
- Automated Hydroponic Barley units
- Pomegranate seed separator Machine as step to add value to pomegranate in upper Egypt
- Agriculture waste utilization to avoid its negative effect and misuse effect on environment
- Application of Extrusion Technology in aqua feed production in Egypt

Entrepreneurship Start Ups Agriculture Mentor

- Help and guide young entrepreneurs toward with technical and managerial support toward agro-social solutions supporting Start Ups role in solving social problems and create business opportunities

Value chain analyst

- Working on value chain analysis for horticulture crops in upper Egypt to strength value added concept ,implement strategy of agro-industrial activity and working on small farmer to enhance the value addition centers & hubs and provide the beneficiaries with technical and managerial support .
- Using Agriculture Technologies in social development ,improving standard of living for small farmers , women rule empowerment in poverty alleviation
- Increasing value added for Agriculture Products and Value chain management
- Worked on project titled as (Value chain Redesigning in Egypt) supervised by TEVT II , The project objective s was to re-asses the value chain status for certain crops (Onion,Pomegranate,Olive,Palm dates and Aquaculture) in different governorates around Egypt.

Entrepreneurship Trainer and Mentor

USAID's Strengthening Entrepreneurship and Enterprise Development (SEED) , Babson University [09/2017 – 01/03/2019]

Country: Egypt

is introducing the University Entrepreneurship Pre-Incubation Program at university-based incubators, is to encourage and support students to come up with business ideas and design a valid business plan to eventually apply for the university's incubator's incubation program to launch their business from idea phase to execution phase, even before students graduate.

Freelancer livestock production Specialist

[06/2014 – Current]

Assistant Researcher

Desert Research Center [01/2012 – 03/2013]

City: Cairo

Country: Egypt

- Master Student in Animal Nutrition
- Working on research points in animal nutrition field specially in arid and semi arid regions
- Working on development of Production ,management and feeding strategies of farm animals : cattle,buffalo,sheep,goat,camels in arid and its effect on smallholder development
- Working on feed analysis laboratory

EDUCATION AND TRAINING

BsC in Animal Production

Faculty of Agriculture , Assuit University [2007 – 2011]

Country: Egypt

NQF Level: Very Good With Honors

- Zoology
- Botany
- Microbiology
- Economics
- Statistics
- Rural Extension
- Biochemistry
- Feed and Forage Crops Production
- Genetics
- Animal Health and Management
- Animal Nutrition
- Animal Husbandry
- Animal Physiology
- Animal Endocrinology
- Feed Formulation and Manufacturing
- Animal Genetics and Breeding
- Beef and Dairy animal management and Production

Training

United Nation Industrial Developing Organization (UNIDO) [04/2012 – 05/2012]

- Post Harvest Treatment for horticulture Crops.
- Post harvest Technologies for horticulture Crops.
- Horticulture Crops Packaging stations management.
- HR development Session.
- Quality Assurance and Standard Certifications.
- Food Safety and Quality.

- HACCP.
- Global Good Agriculture Practices System.
- Farm Designing and Management.

Master preparatory courses

Faculty of Agriculture, Assuit University [2013 – 2015]

Country: Egypt

NQF Level: Excellent

- Advanced Farm Animal Physiology
- Advanced Animal Nutrition
- Feed Formulation and Manufacturing
- Molecular Animal Breeding
- Physiological Biochemistry
- Advanced Animal Health and Management
- Advanced Animal Husbandry
- Small Ruminant Management
- Scientific Research writing

Workshop about Livestock Production and Management in Arid and Semi Arid Regions

Desert Resesarch Center [11/2012 – 12/2013]

City: Cairo

Country: Egypt

- Animal Management in Arid and Semi Arid Regions
- Animal Nutrition In Arid and semi arid regions
- Animal Physiology and its interaction with environment and production

Workshop titled “Bioinformatics Application in Biological Research Aspect”

Assuit University [04/2014 – 05/2014]

City: Assuit

Country: Egypt

- Bioinformatics in biological Research
- FASTA and PLASTA
- DNA Sequencing and analysis Uses

Workshop

Extrusion Technology and AquaFeed Production new techniques [03/2016]

- Aqua-feed production
- Aqua-feed and Environmental interaction
- Extruded Aqua-feed and Floaty feed

ToT Training for University Entrepreneurship Program in collaboration with Babson College

USAID’s Strengthening Entrepreneurship and Enterprise Development (SEED) in collaboration with Babs [17/09/2017 – 21/09/2017]

- Understand how the Boot Camp program runs and expectations for performance in the program
- Use the business model canvas framework to analyze their business challenges & opportunities
- Describe how Entrepreneurial Thought & Action™ can play a role in the growth of a business
- Incorporate innovative thinking and idea generation best practices into their businesses
- Define how innovation can be incorporated using the business model canvas
- Describe the meaning and relevance of SMART goal setting for a business
- Create a survey that identifies customer needs
- Use a variety of customer discovery tools ranging from market research and observation to prototyping and MVPs to develop a competitive advantage
- Create a customer profile based on primary research findings

- Identify the right marketing mix based on market data to attract customers and prospects
- Explain why branding is important to an organization's presence and position in the market
- Prepare and deliver a Rocket Pitch that explains their business' value proposition
- Analyze financial statements and performance ratios to make informed business decisions
- Explain how budgets and forecasts empower a business owner to make decisions
- Define leadership skills and expertise required to sustain a strong organization
- Explain the difference between leaders and managers to define the impact varying roles and styles have on business performance

Certificate in Communication Skills

Faculty and Leadership Development Center ., Assuit University [21/05/2017 – 22/05/2017]

15 Hours of training on:

- Efficient communication with different type of students , different extension environments and different education system.
- Professional communication skills in different work environments .

Certificate in Student Evaluation

Faculty and Leadership Development Center ., Assuit University [23/05/2017 – 24/05/2017]

Training

15 Hours of training on :

- Active learning
- Student Evaluation and Exam Systems

Academy on Green Jobs Promotion in the MENA Region

International Labor Organization (ILO) [29/10/2017 – 02/11/2017]

The Academy brought together 120 participants from Egypt and MENA countries, as well as others interested in adopting low-carbon and climate-resilient green economy strategies that generate decent jobs, particularly for young women and men, including policy and decisions makers, members of civil society organizations, trade unions, private sector, alongside with staff and practitioners from ILO and its partner agencies, collaborating ministries and funding partners.

PhD Course

Huazhong Agricultural University

- Nutritional Regulation for Gut Health and Immunity.
- Advances in Animal Genetics and Breeding

LANGUAGE SKILLS

Mother tongue(s): **Arabic**

Other language(s):

German

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A2

Chinese

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Spanish

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

[THE EFFECT OF ZINC SUPPLEMENTATION ON PERFORMANCE OF GROWING LAMBS](#)

[2017]

Farghaly, M., Mousa, S., Abd El-Hafez, G., Abd El-Rahman, M. (2017). THE EFFECT OF ZINC SUPPLEMENTATION ON PERFORMANCE OF GROWING LAMBS. *Egyptian Journal of Nutrition and Feeds*, 20(Issue 2 Special), 59-68. doi: 10.21608/ejnf.2017.103924.

[Milk Production Responses and Digestibility of Dairy Buffaloes \(*Bubalus bubalis*\) Partially Supplemented with Forage Rape \(*Brassica napus*\) Silage Replacing Corn Silage](#)

[2021]

Zhou D, Abdelrahman M, Zhang X, Yang S, Yuan J, An Z, Niu K, Gao Y, Li J, Wang B, Zhou G, Yang L, Hua G. Milk Production Responses and Digestibility of Dairy Buffaloes (*Bubalus bubalis*) Partially Supplemented with Forage Rape (*Brassica napus*) Silage Replacing Corn Silage. *Animals*. 2021; 11(10):2931. <https://doi.org/10.3390/ani11102931>

[The Effect of Lignin Composition on Ruminal Fiber Fractions Degradation from Different Roughage Sources in Water Buffalo \(*Bubalus bubalis*\)](#)

[2021]

Zhong H, Zhou J, Abdelrahman M, Xu H, Wu Z, Cui L, Ma Z, Yang L, Li X. The Effect of Lignin Composition on Ruminal Fiber Fractions Degradation from Different Roughage Sources in Water Buffalo (*Bubalus bubalis*). *Agriculture*. 2021; 11(10):1015. <https://doi.org/10.3390/agriculture11101015>

[Ginsenoside Rb1 Mitigates *Escherichia coli* Lipopolysaccharide-Induced Endometritis through TLR4-Mediated NF- \$\kappa\$ B Pathway](#)

[2021]

Shaukat A, Shaukat I, Rajput SA, Shukat R, Hanif S, Shaukat I, Zhang X, Chen C, Sun X, Ye T, Niu K, Yao Z, Shaukat S, Safdar M, Abdelrahman M, Riaz U, Zhao J, Gu X, Yang L. Ginsenoside Rb1 Mitigates *Escherichia coli* Lipopolysaccharide-Induced Endometritis through TLR4-Mediated NF- κ B Pathway. *Molecules*. 2021; 26(23):7089. <https://doi.org/10.3390/molecules26237089>.

[Whole-Genome Sequencing Reveals Lignin-Degrading Capacity of a Ligninolytic Bacterium \(*Bacillus cereus*\) from Buffalo \(*Bubalus bubalis*\) Rumen](#)

[2022]

Zhong H, Zhou J, Wang F, Wu W, Abdelrahman M, Li X. Whole-Genome Sequencing Reveals Lignin-Degrading Capacity of a Ligninolytic Bacterium (*Bacillus cereus*) from Buffalo (*Bubalus bubalis*) Rumen. *Genes*. 2022; 13(5):842. <https://doi.org/10.3390/genes13050842>

[Nutritional Modulation, Gut, and Omics Crosstalk in Ruminants](#)

[2022]

Abdelrahman M, Wang W, Shaukat A, Kulyar MF-e-A, Lv H, Abulaiti A, Yao Z, Ahmad MJ, Liang A, Yang L. Nutritional Modulation, Gut, and Omics Crosstalk in Ruminants. *Animals*. 2022; 12(8):997. <https://doi.org/10.3390/ani12080997>

[Effects of Capsicum Oleoresin Supplementation on Lactation Performance, Plasma Metabolites, and Nutrient Digestibility of Heat Stressed Dairy Cow](#)

[2022]

An Z, Zhang X, Gao S, Zhou D, Riaz U, Abdelrahman M, Hua G, Yang L. Effects of Capsicum Oleoresin Supplementation on Lactation Performance, Plasma Metabolites, and Nutrient Digestibility of Heat Stressed Dairy Cow. *Animals*. 2022; 12(6):797. <https://doi.org/10.3390/ani12060797>.

Evaluating the effect of Forage Rape (Brassica napus) ensiling kinetics on degradability and milk performance as non-conventional forage for lactating buffalo.

[2022]

Abdelrahman M, Wang W, Lv H, Di Z, An Z, Lijun W, Shaukat A, Bo W, Guangsheng Z, Liguoy Y and Guohua H (2022) Evaluation of the Effect of Forage Rape (Brassica napus) Ensiling Kinetics on Degradability and Milk Performance as a Non-Conventional Forage for Lactating Buffaloes. *Front. Vet. Sci.* 9:926906. doi: 10.3389/fvets.2022.926906.

Effect of Allium sativum and Nigella Sativa on alleviating aluminum Toxicity in Albino rats

[2023]

Abdel Ghfar, S.S., Ali, M.E., Momenah, M.A., Al-Saeed, F.A., Al-Doaiss, A.A., Mostafa, Y.S., Ahmed, A.E. and Abdelrahman, M., 2022. Effect of Allium sativum and Nigella sativa on alleviating aluminum toxicity state in the albino rats. *Frontiers in Veterinary Science*, 9, p.1757.

Administration of GnRH after 20 Days of AI and Embryonic Losses in Synchronized Crossbred Buffaloes

[2023]

Abulaiti, A., Naseer, Z., Liu, W., Ahmed, Z., Abdelrahman, M., Shaukat, A., Pang, X. and Wang, S., 2023. Administration of GnRH at day 20 of AI and embryonic losses in synchronized crossbred buffalo. *Frontiers in Veterinary Science*, 10.

Impact of Epidermal Growth Factor and/or β -Mercaptoethanol Supplementations on the in vitro Produced Buffaloes' Embryos

[2023]

Ahmed, A.E., Hussein, H.A. and Abdelrahman, M., 2023. Impact of epidermal growth factor and/or β -mercaptoethanol supplementations on the in vitro produced buffaloes' embryos. *Frontiers in Veterinary Science*, 10, p.192.

Administration of melatonin prior to modified ovulation synchronization protocol improves the productive and reproductive efficiency of crossbred buffaloes in low breeding season

[2023]

Abulaiti, A., Nawaz, M., Ahmed, Z., Abdelrahman, M., Shaukat, D., Pang, X., Wang, S. and Naseer, Z., Administration of melatonin prior to modified ovulation synchronization protocol improves the productive and reproductive efficiency of crossbred buffaloes in low breeding season. *Frontiers in Veterinary Science*, 10, p.541.

The abrogative effect of propolis on acrylamide-induced toxicity in male albino rats: Histological study

[2023]

Al Syaad, K.M., Al-Doaiss, A.A., Ahmed, A.E., El-Mekkawy, H., Abdelrahman, M., El-Mansi, A.A., Kulyar, M.F.E.A. and Ali, M.E., 2023. The abrogative effect of propolis on acrylamide-induced toxicity in male albino rats: Histological study. *Open Chemistry*, 21(1), p.20220321.

Dietary supplementation with different nano and organic selenium doses improves ovarian activity, fertility rate, and progesterone level in Ossimi ewes

[2023]

Accepted and under Production in (Italian journal of Animal science)

Montaser Elsayed Ali*, Mohamed Fathy Ahmed Abd-Elkariem, Salem Fahmy, Hassan Ali Hussein, and Mohamed Abdelrahman.

16S rRNA Sequencing Reveals the antibacterial effect of Omega 3 (Fish oil) against fibrolytic bacteria, altering fermentation and Volatile fatty acids profile in vitro.

[2023]

Accepted and under publish in Fermentation MDPI

Mohamed Abdelrahman; Wei Wang; Zhigao An; Haimiao Lv; Guohua Hua; Ahmed Ezzat Ahmed;

CONFERENCES AND SEMINARS

Conferences

- Young Researchers, Assuit University ,2014
- Development of Upper Egypt.Sohag,2016

Advances of Buffalo breeding in China

[Nepal, 10/2021]

Conference :10th Asian Buffalo Congress

RECOMMENDATIONS

Undergraduate Teacher, Academic Mentor

Name: Dr.Khaled Abouelezz Fouad Mohammed

Email: abollez@aun.edu.eg

Assosiate Professor, Poultry Production Department, Assuit University, Egypt

HONOURS AND AWARDS

Honours and awards

- Ideal Student in Faculty of Agriculture Assuit University.2007

ORGANISATIONAL SKILLS

Organisational skills

- Leadership
- Management Orientation
- Team Building
- Supply Chain Management

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- Good communication skills gained through my experience as consultant and teaching assistant .
- Excellent contact skills during my work as mentor for young entrepreneurs and small business oriented young people

JOB-RELATED SKILLS

Job-related skills

- Mentoring Skills
- Time management
- Scientific Technical and laboratory skills

Research Design

OTHER SKILLS

Other skills

- E -Learning Scientific Material Designer for Designing interactive courses and educational material .

PRESENTATIONS

Presentations

- How to Write Cv and How to perform professional Presentation
 - Livestock Farm Management Operations
 - Entrepreneurship in Agriculture Sector
 - Agriculture and Development
 - Value chain in Agriculture Sector
-