



Mohamed Abdelrahman

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

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Address: Asyut, Egypt, 71517, Asyut, Egypt (Home) |

Address: Huazhong Agricultural University, Wuhan, China (Study)

● ABOUT ME

PhD from Huazhong Agricultural University , Wuhan, China

● WORK EXPERIENCE

29/07/2019 – CURRENT Asyut, Egypt

ASSISTANT LECTURER ASSUIT UNIVERSITY, FACULTY OF AGRICULTURE, ANIMAL PRODUCTION DEPARTMENT

04/2013 – 29/07/2018

TEACHING ASSISTANT ANIMAL PRODUCTION DEPARTEMENT, FACULTY OF AGRICULTURE, ASSUIT UNIVERSITY

- 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

01/2012 – 03/2013 Cairo, Egypt

ASSISTANT RESEARCHER DESERT RESEARCH CENTER

- 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

30/07/2014 – CURRENT Assuit, Egypt

AGRONOMIST INTEGRATED TECHNOLOGY TRANSFER UNIT, ASSUIT UNIVERSITY.

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 objectives was to re-asses the value chain status for certain crops (Onion,Pomegranate,Olive,Palm dates and Aquaculture) in different governorates around Egypt.

09/2017 – 01/03/2019 Egypt

ENTREPRENEURSHIP TRAINER AND MENTOR USAID'S STRENGTHENING ENTREPRENEURSHIP AND ENTERPRISE DEVELOPMENT (SEED) , BABSON UNIVERSITY ,USA

06/2014 – CURRENT

FREELANCER LIVESTOCK PRODUCTION SPECIALIST

● EDUCATION AND TRAINING

2007 – 2011 Egypt

BSC IN ANIMAL PRODUCTION Faculty of Agriculture , Assuit University

- 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

National classification Very Good With Honors

04/2012 – 05/2012

TRAINING United Nation Industrial Developing Organization (UNIDO)

- 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.

2013 – 2015 Egypt

MASTER PREPARATORY COURSES Faculty of Agriculture,Assuit University

- 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

National classification Excellent

11/2012 – 12/2013 Cairo, Egypt

WORKSHOP ABOUT LIVESTOCK PRODUCTION AND MANAGEMENT IN ARID AND SEMI ARID REGIONS Desert Resesarch Center

- 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

04/2014 – 05/2014 Assuit, Egypt

WORKSHOP TITLED “BIOINFORMATICS APPLICATION IN BIOLOGICAL RESEARCH ASPECT”
Assuit University

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

03/2016

WORKSHOP Extrusion Technology and AquaFeed Production new techniques

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

17/09/2017 – 21/09/2017

TOT TRAINING FOR UNIVERSITY ENTREPRENEURSHIP PROGRAM IN COLLABORATION WITH BABSON COLLEGE. USAID’s Strengthening Entrepreneurship and Enterprise Development (SEED) ,Babson College, USA.

21/05/2017 – 22/05/2017

CERTIFICATE IN COMMUNICATION SKILLS Faculty and Leadership Development Center ., Assuit University

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 .

23/05/2017 – 24/05/2017

CERTIFICATE IN STUDENT EVALUATION Faculty and Leadership Development Center ., Assuit University

TRAINING

15 Hours of training on :

- Active learning
- Student Evaluation and Exam Systems

29/10/2017 – 02/11/2017

ACADEMY ON GREEN JOBS PROMOTION IN THE MENA REGION International Labor Organization (ILO)

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):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
GERMAN	A2	A2	A1	A2	A2
SPANISH	A1	A1	A1	A1	A1
CHINESE (HSK3)	B1	B1	B1	B1	B1

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

● ADDITIONAL INFORMATION

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 Ruminant 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 Ruminant 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-κB 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-κB 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

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

Italian journal of Animal science

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

Mohamed Abdelrahman; Wei Wang; Zhigao An; Haimiao Lv; Guohua Hua; Ahmed Ezzat Ahmed; Aiman Alsaegh; Ligu Yang

Fermentation MDPI

Editorial: Interaction between food homologous plants and intestinal microbiota – 2023

Kulyar Muhammad Fakhar-e-Alam, Zou Wen, Lu Sijia, Loon Kyein San, Akhtar Muhammad, Ihsan Awais, Nawaz Shah, Ahmed Ahmed Ezzat, Abdelrahman Mohamed, Wu Yi, Iqbal Mujahid, Li Kun

Frontiers in Microbiology

ACADEMIC REVIEWER

Review articles in Microbiome and Frontiers in Genetics

CONFERENCES AND SEMINARS

Conferences

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

10/2021 – Nepal

Advances of Buffalo breeding in China Conference :10th Asian Buffalo Congress

RECOMMENDATIONS

Dr.Khaled Abouelezz Fouad Mohammed Undergraduate Teacher, Academic Mentor

Professor, Poultry Production Department, Assuit University, Egypt

Email abollez@aun.edu.eg

HONOURS AND AWARDS

Honours and awards

- Ideal Student in Faculty of Agriculture Assuit University.2007

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

ORGANISATIONAL SKILLS

Organisational skills

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

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
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