

CURRICULUM VITAE

MOHAMMED HASSAN MOHAMMED BAKR

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EDUCATION

- Ph.D. In animal Nutrition (January 2012- April 2015), Animal Production Department, Faculty of Agriculture, Cairo University, Egypt.

Thesis title: Partial substitution of yellow corn grains by dried orange pulp in Holstein dairy cow rations.

- **M.Sc.** (October 2009- September 2011): International Master in Animal Nutrition organized by CIHAM, through the Mediterranean Agronomic Institute of Zaragoza, the University of Zaragoza, as an official master of the Spanish University system, and the Spanish Foundation for the Development of Animal Nutrition, in collaboration with the Polytechnic University of Madrid.
 - **First part** (October 2009- June 2010) Postgraduate Specialization Diploma in Animal Nutrition (60 ECTS, Cum Laude).
 - **Second part** (October 2010- September 2011) Thesis master (60 ECTS, Magna Cum Laude), on Unidad de cunicultura, Institut de Recerca; Tecnologia Agroalimentàries (IRTA), Barcelona, Spain.

Thesis title: Effect of heat stress on does performance during lactation.

- **M.Sc.** In animal Nutrition (September 2007- July 2010), Cairo University, Faculty of Agriculture, Animal Production Department, Animal Nutrition Branch.

Thesis title: Performance of fattening Baladi bulls fed rations containing biologically treated olive cake.

- **The 5th edition of rabbit online course** (14.4 ECTS) at Politechnic University of Valencia, Spain (October 2010- July 2011). This course about production, reproduction, nutrition, physiology, diseases, and welfare of rabbits.
- **B.Sc. (2002-2006)**, Animal Production Department, Faculty of Agriculture, Cairo University. **Grade:** Excellent with honour degree. (Valedictorian, Magna Cum laude).

RELEVANT EMPLOYMENT

1. Current Position: Lecturer of Animal Nutrition, Animal Nutrition Branch, Animal Production Department, Faculty of Agriculture, Cairo University, Egypt

Dates: 24/5/2015 – Now.

Nature Of Work:

1. Primary Lecturer for the of following courses at Animal Production Department, Faculty of Agriculture, Cairo University (**Undergraduate**):

- o Animal Nutrition
- o Sheep and Goats Nutrition
- o Feedstuffs and its processing
- o Introduction in Animal and Poultry science
- o Animal feeding and technology
- o Energy metabolism
- o Animal and Poultry Nutrition
- o Ruminants Nutrition

2. participate in the following courses at Animal Production Department, Faculty of Agriculture, Cairo University (**postgraduate**):

- o Dairy cows Nutrition
- o Energy metabolism
- o Animal Nutrition
- o Sheep and Goats Nutrition

3. Do research in the field of Ruminant Nutrition (practicals in field and laboratories)

4. participate in scientific projects in the field of animal nutrition

5. Assistant supervisor for M.Sc. thesis in field of animal nutrition.

2. Position: Assistant lecturer of Animal Nutrition, Animal Nutrition Branch, Animal Production Department, Faculty of Agriculture, Cairo University, Egypt.

Dates: 13/10/2010 - 23/5/2015

Nature Of Work:

1. Primary Lecturer for the practical part of following courses at Animal Production Department, Faculty of Agriculture, Cairo University:

- o Animal Nutrition
- o Sheep and Goats Nutrition
- o Feedstuffs and its processing
- o Introduction in Animal and Poultry science
- o Animal feeding and technology
- o Energy metabolism
- o Animal and Poultry Nutrition
- o Ruminants Nutrition

2. Did research of the field of Animal Nutrition (**Dairy cow Nutrition**)

3. Member of animal nutrition scientific team in the project entitled “ Production of Natural Functional Dairy Foods through Manipulation of Ruminants Nutrition” financed by the Science and Technological Development Fund (STDF), Egypt. From January 2010 to April 2014 (project number 1077).

4. participate in 6 national and international conference in field of animal nutrition and achieved some awards

5. participate in some competitions related to scientific posters and effective presentations and received some awards.

3. Position: Researcher at rabbit research unit, IRTA, Barcelona, Spain

- **Dates:** 1/10/2010 – 20/09/2011

Nature Of Work:

Did research on effect of heat stress on does performance in rabbits.

4. Position: Instructor of Animal Nutrition, Animal Nutrition Branch, Animal Production Department, Faculty of Agriculture, Cairo University, Egypt

Dates: 10/4/2007 - 12/10/2010

Nature Of Work:

1. Lecturer for the practical part of following courses at Animal Production Department, Faculty of Agriculture, Cairo University:

- O Animal Nutrition
 - o Sheep and Goats Nutrition
 - o Feedstuffs and its processing
 - o Introduction in Animal and Poultry science
 - o Animal feeding and technology
 - o Energy metabolism
 - o Animal and Poultry Nutrition o Ruminants Nutrition
- 2. Did research of the field of Animal Nutrition (**beef cattle nutrition**)

SKILLS

Computer:

- Excellent use and knowledge of Microsoft Office and Internet.
- ICDL "International Computer Driving Licence" Certificate Endorsed by Ministry of Communications and Information Technology–Egypt, and European Computer Driving Licence Foundation. (January, 2008).

Language:

- Native language: Arabic
- Very Good command of both written and spoken English
 - English Course by Berlitz institute, Egypt, June - September 2007.
 - Toefl (520 marks) from Cairo University, Center for foreign languages and professional translation (February 2015).
- Very Good command of both written and spoken Spanish
 - Spanish course in Cervantes institute of Cairo, 60 hours, from June - July 2009.
 - Spanish course in Inlingua school Zaragoza- Spain, from July- October 2009 and achieve level A2.

EXPERIENCES

- **Laboratory: Egypt and Spain**
 - o Analysis of feed and feedstuff (chemical composition, energy, protein, fiber fraction...etc). Analysis of milk, meat, eggs, blood and animal feces.
 - o Analysis of water quality (Ammonia, Nitrites, Nitrate, pH, Coli form, E-coli).
 - o Biological treatment of Agriculture and Agro industrial by products.
 - o Training program on chemical analysis (from 3-5 dec, 2011) at Cairo University

research park (CURP) about:

- Determination of general analysis tests
 - Separation of amino acids by A.A.A.
 - Separation of UN sap by GC/MS and separation of fatty acids by GC.
 - Determination of elements by ICP.
 - Determination of total phenolic compounds and enzymes spectrophotometer.
- **Farm:**
 - Scientific supervisor of the livestock sector at experiments and agricultural research Station, Faculty of Agriculture, Cairo University since 28/2/2016
 - Field work with Dairy Cows, fattening Baladi bulls, Water Buffalo, Sheep and Goats (Faculty of Agriculture, Cairo University)
 - Field work with rabbits, Unidad de cunicultura, Institut de Recerca; Tecnologia Agroalimentàries (IRTA), Barcelona, Spain.
 - **Feed manufacturing:**
 - May- June 2010; training in the Feed manufacturing, Traceability, quality control (HACCP system) and NIR Analysis system in Jorge Group, CUARTE S.A Factories Sariñena and Monzalbarba- Spain.
 - July 2006 – July 2009; training and participates in the Feed manufacturing and quality control in unit of Feedstuff manufacturing technology (Faculty of Agriculture, Cairo University).
 - **Conferences, Seminars, Training and Exhibition:**
 - The 15th scientific conference on Animal nutrition, 17-20 November, 2015, Hurghada, Egypt.
 - The EU Animal welfare approach, 1-3 July 2015, Varese, JRC Ispra, Italy organized by European commission.
 - The 14th scientific conference on Animal nutrition, 26-29 November, 2013, Hurghada, Egypt.
 - The 11th Euro Fed Lipid Congress , 27-30 October 2013, Antalya, Turkey.

- The 10th Euro fed lipid congress, 23-26 September 2012, Cracow- Poland.
 - The 10th World rabbit congress, 3-6 September 2012, Sharm ELShikh, Egypt.
 - The 13th scientific conference on Animal nutrition, 14-17 February 2012, Sharm ELShikh, Egypt.
 - Attending international exhibition of Agriculture, 4-8 March 2010, Paris-France.
- **Awards and levels:**
1. Holds Award of the best scientific research in the field of Animal nutrition in the 15th Conference of Animal nutrition (Hurghada, 2015).
 2. Holds a second position award as the best effective presentation competition as a team leader, at Faculty of Agriculture, Cairo University (2015).
 3. Holds the first position award in the scientific poster competition for young researchers at Faculty of Agriculture, Cairo University (2015).
 4. Holds Award of the best scientific research in the field of Animal nutrition in the 14th Conference of Animal nutrition (Hurghada, 2013).
 5. Nominated for best scientific poster at the 11th European conference of oils and fats (Antalya, Turkey, 2013).
 6. Holds the first position award in the practical lessons development competition for the development of course of "Feedstuffs and its processing 332 AAP" at Faculty of Agriculture, Cairo University (2012).
 7. Holds the third position award in the scientific poster competition for young researchers at Faculty of Agriculture, Cairo University (2012).
 8. Holds the third position award in the practical lessons development competition for the development of course of " Feedstuff analysis and manufacturing technology " at Faculty of Agriculture, Cairo University (2009).
 9. Holds a first position award as the best effective presentation competition at Faculty of Agriculture, Cairo University (2006).

Published research:

1. Sabbah M. Allam, T.M. El-Bedawy and **M.H. Bakr** (2015).Effect of partial substitution of yellow corn grains by dried orange pulp in Holstein dairy cow rations. Egyptian J. Nutrition and Feeds (2015), **16 (2) Special Issue: 107-115.**
2. **M. H. Bakr**, L. Tusell1, O. Rafel , M. Terré , J. P. Sánchez and M. Piles. (2015). Lactating performance, water and feed consumption of rabbit does reared under a Mediterranean summer circadian cycle of temperature v. comfort temperature conditions. Animal. 16:P 1-7.
3. **M. H. Bakr.** and M.H. Abdel Gawad. (2013). Partial substitution of wheat bran by biologically treated olive cake in Egyptian baladi calves' rations. Egyptian J. Nutrition and Feeds (2013), 16 (2) Special Issue: 107-115.
4. A.M. Abd El-Gawad, R.A. Ali, A.M. Aboul -Enein M.A. Hanafy and **M.H. Bakr.** Buffalo Milk Rich in Conjugated Linoleic Acid as a Functional Dairy Foods used for Prevention of Diabetes in Rats. (Abstract). The 11th Euro Fed Lipid Congress , 27-30 October 2013, Antalya, Turkey.
5. A.M. Abd El-Gawad, R.A. Ali, A.M. Aboul -Enein, I.A. Abd El-Gawad, E.M. Hamad, S.A.H. Abo El-Nor, and **M.H. Bakr.** (2012) Effect of Feeding Buffaloes Milk Rich in Conjugated Linoleic Acid (CLA) on Tumor Bearing Mice (*in vivo* study). (Abstract). The 10th Euro fed lipid congress, 23-26 September 2012, Cracow- Poland. P.186.
6. A.M.Abd El-Gawad, R.A. Ali, Sabbah M. Allam, M.A.Hanafy, T.M. El-Bedawy, R.R.Sadek, A.M.Ali and **M.H. Bakr.** (2012) Effect of Feeding Vegetable Oils and Monensin on Conjugated Linoleic Acid (CLA) and Percent PUFA Contents in Buffaloes Milk. (Abstract). The 10th Euro fed lipid congress, 23-26 September 2012, Cracow- Poland. P. 293
7. Piles M., **Bakr M.H.**, Tusell L., Sánchez J.P., Blas E., Ramon J., Rafel O. (2012). The effect of high environmental temperature on doe performance during lactation. The

10th World Rabbit Congress, 3-6 September, 2012. Sharm El-Sheikh, Egypt. P. 1009-1013.

8. **M. H. Bakr.** (2010). Effect of fat supplementation in ration of dairy animals on increasing CLA content in milk. Individual project. IAMZ. P1-21.
9. Abd El-Gawad A. M., M. H. Abdelgawad, M. Fadel and **M. H. Bakr** (2010). Utilization of biologically treated olive cake of Egyptian Baladi calves rations. (1) Partial substitution of yellow corn by biologically treated olive cake. Egyptian J. Nutrition and feeds13 (1): 81-90

CAPACITY BUILDING PROGRAMS:

- **Creative International Academy for Consulting & Development**
 - Creative Training Strategies Course (Concepts, Skills & Features), 16 November, 2011. Faculty of Agriculture, Cairo University, Egypt.
- **Future Generation Foundation (FGF)**

June - September 2007, Basic Business Skills Acquisition program (BBSA) Cairo, Egypt Sponsored by the Future Generation Foundation (FGF), English delivered by Berlitz and IT delivered by Westwood Egypt for training & HR Development

Training:-

 - Developed Language and Computer Skills
 - Enhanced Presentation & Project Development Skills
 - Acquired Basic Business Skills including: Marketing, Sales, Banking, Accounting, Business Correspondence and Report Writing.
- **Graduate resource program (GRP):**

August- September 2007, Graduates Resource Program (GRP) A specially tailored Program for Industrial Training Council Consisting of Basic Business Skills Acquisition program (BBSA) specialization Quality Management system (QMS) (120 hours)

▪ **Faculty and Leadership Development Center (FLDC) some training courses:-**

1. Strategic planning 27-28/01/2016
2. E-Learning 3-4/9/2014
3. International Publication of Scientific research 27-28/8/2014
4. Managing Time and meeting 28-29/4/2014
5. Quality standards in Teaching 25-26/12/2013
6. Research Ethics 18-20/6/2013
7. Exams & Students Evaluation systems 5-7/2/2013
8. Legal and financial aspects of the universities (20 hours) 27-29/4/2009
9. Carrier Ethics (15 hours) 11-13/2/2008
10. Conferences organization (15 hours) 11-13/2/2008
11. Credit hours system (15 hours) 27-29/4/2009
12. Effective Communication (15 hours) 4-6/2/2008
13. Quality Assurance and Accreditation in Higher Education (QAA HE) (20 hours) 28-31/5/2007

INTERESTS

- Sports and traveling

PERSONAL INFORMATION

- Date of Birth: 1/2/1985
- Marital Status: Married
- Military Status: Final Exemption

References persons:

1. Prof. Dr. Abdelrahman Abdelgawad. Professor of Animal nutrition, Animal Production Department Faculty of Agriculture, Cairo University, Egypt: amabdelgawad2007@yahoo.com
2. Prof. Dr. Rida A. Ali, Professor emeritus, Cairo university, Cairo, Egypt and University of Bridgeport, Bridgeport, CT, U.S.A: rida100@gmail.com
3. Prof. Dr. Taha M. El-Bedawy, professor of Animal nutrition and Vice Dean for Graduate Studies at Faculty of Agriculture, Cairo University, Egypt taha.bedawy@gmail.com

4. Dr. Miriam piles, investigator of genetic improvement on Unidad de cunicultura, Institut de Recerca; Tecnologia Agroalimentàries (IRTA), Barcelona, Spain miriam.piles@irta.cat
5. Oriol rafel, profesor of genetic improvement and director of Unidad de cunicultura, Institut de Recerca; Tecnologia Agroalimentàries (IRTA), Barcelona, Spain: oriol.rafel@irta.es