

CURRICULUM VITAE

MOHAMMED HASSAN MOHAMMED BAKR

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EDUCATION

- **PH.D.** in animal Nutrition (January 2012- January 2015) in Animal Production Department, Faculty of Agriculture, Cairo University, Egypt, under title of: EFFECT OF FEEDING CITRUS BY PRODUCT ON MILK YIELD AND COMPOSITION OF DAIRY COWS
- Second 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 i Tecnologia Agroalimentàries (IRTA), Barcelona, Spain.
Thesis title: Effect of heat stress on does performance during lactation.
- First M.Sc. (September 2007- July 2010), Cairo University, Faculty of Agriculture, Animal Production Department, Animal nutrition Section.
Thesis title: Performance of fattening Ballade 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).

SKILLS

Computer:

- Excellent use and knowledge of Microsoft office.
- 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.
- 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

Teaching : Primary lecturer for the following courses

- Animal Nutrition
- Sheep and Goats Nutrition
- Feedstuff analysis and manufacturing technology
- Introduction in Animal and Poultry science
- Animal feeding and technology
- Energy metabolism
- Animal and Poultry Nutrition
- Ruminants Nutrition

Laboratory: Egypt and Spain

- Analysis of feed and feedstuff (chemical composition, energy, protein, fiber fraction...etc). Analysis of milk, meat, eggs, and blood. Analysis of feces.
- Analysis of water quality (Ammonia, Nitrites, Nitrate, ph, Coli form, E-coli).
- Biological treatment of Agriculture and Agro industrial by products.

- Training program on chemical analysis (from 3-5 dec, 2011) on 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:

- 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 i Tecnologia Agroalimentàries (IRTA), Barcelona, Spain.

Feed manufacturing:

- May- June 2010, training in the Feed manufacturing, Traceability, quality control (HASSAP 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 and Exhibition:

- 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.

Scientific Projects:

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 December 2012 (project number 1077)

Published research:

1. Bakr M.H. 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.
2. A.M. Abd El-Gawad, R.A. Ali, A.M. About -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.
3. A.M. Abd El-Gawad, R.A. Ali, A.M. About -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.
4. 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
5. Piles M., Bakr M.H., Tusell L., Sanchez J.P., Bias E., Ramon J., Rafael 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.

6. 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 feeds 13 (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:-
 - Quality standards in Teaching 25-26/12/2013
 - Research Ethics 18-20/6/2013
 - Exams & Students Evaluation systems 5-7/2/2013
 - Legal and financial aspects of the universities (20 hours) 27-29/4/2009
 - Carrier Ethics (15 hours) 11-13/2/2008
 - Conferences organization (15 hours) 11-13/2/2008
 - Credit hours system (15 hours) 27-29/4/2009

- o Effective Communication (15 hours) 4-6/2/2008
- o 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- Dr. Armando Occon, coordinator of animal production department, CIHEAM/IAMZ, Spain iamz@iamz.ciheam.org or occon@iamz.ciheam.org
- 2- Prof. Dr. Taha M. El-Bedawy, professor of Animal nutrition and director of Animal production department Faculty of Agriculture, Cairo University, Egypt taha.bedawy@gmail.com
- 3- Prof. Dr. AbdElrahman AbdElgawad, Professor of Animal nutrition, Animal Production Department Faculty of Agriculture, Cairo University, Egypt: amabdelgawad2007@yahoo.com
- 4- Prof. Dr. Rida A. Ali, Professor emeritus, Cairo university, Cairo, Egypt and university of Bridgeport, Bridgeport, CT, U.S.A. rida100@gmail.com
- 5- Dr. Miriam piles, investigator of genetic improvement on Unidad de cunicultura, Institut de Recerca i Tecnologia Agroalimentàries (IRTA), Barcelona, Spain miriam.piles@irta.cat
- 6- Oriol ratel, profesor of genetic improvement and director of Unidad de cunicultura, Institut de Recerca i Tecnologia Agroalimentàries (IRTA), Barcelona, Spain: oriol.ratel@irta.es