

## Abdelnasser Bakr

BVSc, MVSc, PhD

Professor of Nutrition and Nutritional Diseases

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**BIRTH DATE:** July 17, 1963

**BIRTH PLACE:** Egypt

**SOCIAL STATUS:** Married +2

### EDUCATION:

Degree	Year	Subjects/ Faculty	Univ./Country
Professor doctor	April, 2006	Nutrition and nutritional diseases Faculty of Veterinary medicine.	Kafrelsheikh university Egypt
Assistance professor	March,2001	Nutrition and nutritional diseases Faculty of Veterinary medicine.	Tanta university Egypt
Doctor of Philosophy (PhD)	Jan, 1995	"Some studies on non-conventional feeds for ruminants" Nutrition and nutritional diseases Faculty of Veterinary medicine.	Tanta university Egypt
Master of Veterinary Sciences (MVSc)	June, 1991	"Feeding of goats on underutilized resources " Nutrition and nutritional diseases Faculty of Veterinary medicine.	Zagazig University Egypt
Bachelor of Veterinary Sciences (BVSc)	May, 1987	Veterinary sciences Faculty of Veterinary medicine.	Zagazig Univ. Egypt

### PROFESSIONAL POSITIONS

Nov.2007 until now head of nutrition and clinical nutrition department, Kafrelsheikh Univ. Egypt

July-Oct.2007 Visiting professor in Atlantic Veterinary College, PEI, Canada

April 2006 Prof. Dr. of Nutrition and nutritional diseases, Kafrelsheikh Univ. Egypt

2001-2006 Ass. Prof. of Nutrition and nutritional diseases, Tanta Univ. Egypt

1995- 2001 lecturer of Nutrition and nutritional diseases, Tanta Univ. Egypt

1991- 1995 Assist. Lecturer of Nutrition and nutritional diseases, Tanta Univ. Egypt

1988- 1991 Demonstrator of Nutrition and nutritional diseases, Zagazig Univ. Egypt

**Area of specialization**

- Teaching the course of basic nutrition, feedstuffs, and clinical nutrition
- Ruminant feed technology
- Fish feed technology

**Within this disciplines, efforts are concentrated on:**

- Chemical analysis of feeds
- Biochemical analysis of blood
- Ration formulations for (large, and small ruminant, and aqua)
- Training field guys and quality control employee for feed mills.
- Nutrient and feed interactions
- Nutritional management of transition cows
- Fresh cow problems
- Improving feed efficiency
- Appropriate uses of underutilized feed resources and by-product feeds
- Evaluation of cows
- Scoring of manure
- Feed bunk scoring
- Mixers evaluations
- Forage evaluation
- Feed manufacturing quality assurance

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**LIST OF PUBLICATIONS**

**A.JOURNAL PAPERS**

<b>List of publications</b>	
1	<b>Bakr A. A.</b> (2005): Impact of stalk cut height at different stages of kernels maturity on nutritive feed value of whole plant corn silage for sheep. Assuit Vet. Med. J. Vol. 51, No,106, 54:66.

2	<b>Bakr A. A.</b> and T.I. Mohamed (2005) : Lactational response of high producing cows to inclusion of sugar beet pulp in rations differed in forage type Kafr El-Sheikh Vet. Med. J.Vol.3No.2
3	<b>Bakr A. A.</b> ; Sabria. B. Abou El-Soud and A. Y. Metwally (2005): Effect of feeding high levels of organic selenium on quail performance, physiology, New castel virus-immune response and meat and egg quality. Kafr El-Sheikh Vet. Med. J.Vol. 3 No.2 pp. 1
4	<b>Bakr A. A.</b> and T. I. Mohamed. ( 2004): Effect of inclusion of sugar beet pulp in diets of growing rabbits on the growth performance. Zag. Vet. J. Vol. 32, No. 2, 268:276.
5	<b>Bakr A. A.</b> ; T. I. Mohamed and M. H. Soliman. (2002) : Effects of supplemental zinc sulfate and zinc methionine complex on growth performance of Japanese quail. Zag. Vet. J. Vol. 30 No. 1.
6	<b>Bakr A. A.</b> ; T. I. Mohamed and M. H. Soliman. (2002): Effect of supplemental zinc sulfate and zinc methionine complex on growth performance of Japanese quail. Zag. Vet. J.Vol. 30. No. 1. pp. 80-94.
7	<b>Bakr A. A.</b> and A. A. Ramoun. (2000) : Effects of dietary energy on response of buffaloes with smooth inactive ovaries to gonadotrophin releasing hormone injection. Assuit Vet. Med. J. Vol. 42 No. 84. PP 13-23.
8	<b>Bakr A. A.</b> ; Sabria. B. Abou El-Soud and M. H. Soliman. (2000): Growth performance and physiological parameters of heat stressed broilers chickens fed diets differing in cation-anion difference. Egyptian Vet. Nutrition Journal,EVNJ.vol. 1 No. 1.
9	<b>Bakr A. A.</b> and S. M. Hegazi. (1997) : Finishing of early-weaned and feeder lambs on high-concentrate diet. Zagazig Vet. J. Vol. 25: (1) PP 26-37.

## B. PAPERS AND POSTERS IN CONFERENCES

1	Waeer, M. A.; <b>A.A. Bakr</b> ; S. M. Hegazi, and S. A. Awad Allah (2006): Field trail for applications of cation-anion difference in close up cow rations and its relation to postpartum problems. Kafr Elsheikh Vet. Med. J. Vol. 4 No.1, 1235-1254.
2	Orma,A.M.;S.M.Hegazi;T.I.;Mohamed; <b>A.A.,Bakr</b> ;Abeer2006: Thiamine and niacin supplementation in diets of heat stressed broiler chicks. Kafrelsheikh Vet. Med. J.Vol.4,1167:1188. 4
3	Hegazi,S.m.; <b>A.A.Bakr</b> ;A.Helal 2006: Impact of dietary cation anion difference on leg deformities and growth performance of broiler. Kafrelsheikh Vet. Med. J.Vol.4, 1189:1209
4	Hegazi, S. M.; <b>A. A. Bakr</b> ; B. I. Aggag and M. A. Mousa. (2005) : Influence of fat increment in milk replacer on performance of buffalo calves. Egyptian J. of Nutrition and feeds, 8 (1): pp 253-269

5	<b>Bakr A. A.</b> and S.A. Haggag. (2005) : Growth and immune responses of Oreochromis Niloticus to dietary sodium butyrate supplementation. 12 <sup>th</sup> International Conference of Union of Arab Biologists Al-Hodeidah Univ. Yamen In. J. Union Arab Bio. Vol. (23A): Zoology pp. 1-24.
6	Mohamed, T. I.; <b>A. A. Bakr</b> and M. H. Soliman. (2005) : Influence of fibrolytic enzymes supplementation on digestibility and rumen fermentation parameters of sugar beet tops silage for goats. Fourth Mansoura int. conf. 1257:1271.
7	Hegazi, S. M.; <b>A.A. Bakr</b> and M.F. Ragab. (2002) : Impact of dietary calcium level on bioavailability of organic zinc sources for tilapia (Oreochromis Niloticus) fingerlings. 6th Vet. Med. Zag. Conference Hurgada pp. 269-292.
8	Soliman M. H.; T. I. Mohamed and <b>A. A. Bakr</b> . (1999) : Evaluation of proteins in some soybean products. 3 <sup>rd</sup> Scientific Cnference Alex. J. Vet. Sci. Vol. 15 No. 4 PP. 795-808.
9	<b>Bakr A. A.</b> (1998) : Effects of varying forage types on milk production of dairy cows supplemented with whole cottonseeds. Eighth Sci. Con. Fac. Vet. Med., Assiut University, Egypt
10	<b>Bakr A. A.</b> (1998)Lactational responses of high producing dairy cows fed supplemental fat from whole cottonseeds. Fifth Scientific Congress Fac. Vet. Med.Cairo Uni. Egypt. Vol. 64, No. 4B 665: 671
11	Orma A. M. and <b>A. A. Bakr</b> ; M. H. Soliman and T. I. Mohamed. (1998) : Nutritive value of dried sugar beet tops as a feed for ruminants. Fourth Vet. Med. Zag. Congress,
12	Ramoun A. A. and <b>A. A. Bakr</b> (1998) : Response of buffaloes with smooth inactive ovaries to different Dietary zinc levels supplementation. Eighth Sci. Con. Fac. Vet. Med., Assiut University, Egypt.
13	Bakr A.; Nassef E. and Hegazi S.M.(2015) Nutritional effects of household food wastes supplementation in sheep diet. Vet. Med., Assiut University, Egypt.
14	Effect of zinc oxide nanoparticles on growth performance and absorptive capacity of the intestinal villi in broiler chickens

### List of thesis under his supervision

#### Master of Veterinary Science

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|---|---|
| * | Studies on bioavailability on some chelated micro-mineral supplements for fish. |
| * | Influence of dietary organic acids supplementation on broiler performance.      |
| * | Corn silage quality and milk production.  |

*	DCAD and reproduction of dairy cattle.
*	Effect of restricted calcium nutrition and realimentation on broiler performance.
*	Some feeding strategies of Egyptian buffalos calve.
*	Nutrition-Related lameness in dairy cattle farms
*	Nutrition and subclinical ketosis in high lactating cow
*	Growth and immune response of lamb to dietary zinc methionine supplementation.
*	Field trials for application of dietary cation-anion difference in prepartum cow rations and its relation to postpartum problems.
*	Impact of dietary fiber sources in rabbit performance
*	Effects of some minerals on leg abnormality in broilers
*	Evaluation of Egyptian and imported fish meal in poultry diets
*	Impact of dietary organic selenium supplementation on performance of broiler chickens
*	Effect of heat stress on dietary requirement of some vitamins in broilers
*	Effect of dietary enzymes supplementation on performance of broiler chickens
*	Evaluating the nutritive value of fibrous feedstuffs used for dairy cattle
*	Impact of feeding organic home underutilized resources on duck performance
*	Immune and lactation response of transition cow to nutrients manipulation
*	Evaluating the nutritional quality of fish feed commercially manufactured in delta area
*	Impact of colostrum and milk pasteurization on calf performance.
<b>PhD of Veterinary Science</b>	
*	Influence of dietary fatty acid sources and quantity on duck fertility.
*	Improving phosphorus availability in fish diets.
*	Distiller's Dried Grains with soluble as a feedstuff for Tilapia Nilotica and their implication to its performance
*	Effect of varying forage types on optimal Neutral Detergent Fiber and Non Fibrous Carbohydrates levels in lactating cow rations and their implications to cow productivity
*	Effect of some feed additives on productivity and immunity of poultry
*	Calcium phosphorus ratio in Oreochromis Niloticus diet.
*	Impact of feeding organic home underutilized resources on broiler chickens performance.
*	Screening for mycotoxins in corn silage in Egypt.
*	Influence of using enzymes as feed additive to improve the performance of broiler affected with bacterial or parasitic diarrhea.
*	Impact of dietary organic chromium supplementation on growth performance of Tilapia Nilotica.

## **PRESENTATIONS**

Speaker for the following presentations:

- 1-Making silage quality (Hilton Borg Elarab2005)
- 2-Silage evaluation (Marruitt, Jordan, 2006)
- 3-Silage evaluations (Sahara exhibition, 2006)
- 4-Cow feeding (Cairo, 2007)
- 5-Protein and amino acids in cow nutrition (Cairo,2007)
- 6-Deleterious compounds in feeds (Cairo, 2007)
- 7-Minerals in animal nutrition (Cairo, 2008)
- 9-Feed additives: health and profitability (Cairo, 2009)
- 10-Milk replacers (Elmansoura, 2009)
- 11-Fish feeding (kafrelsheikh, 2010)
- 12-Cow signals (Cairo, 2011)
- 13-Feed safety: cow productivity and health and milk safety (Kafrelsheikh, 2011)
- 14-Heat stress: cow productivity and health (Sharm Elsheikh , 2012)
- 15-Liver health make for healthy cow (Ain Sokhna, 2012)
- 16-Rumen ecology (Ain Sokhna, 2013)
- 17-Quality assurance in feed mill (Ain Sokhna, 2013)
- 18- Nutrition and metabolic infertility (Sharm Elseikh, 2013)
- 19-Take your feeding management to a higher level (Cairo 2013)
- 20- Take your feeding management to a maximize microbial protein yield (Alexandria, 2014)
- 21-Mycotoxins in dairy cattle (Porto Marina, 2014)
- 22-Tansition cow nutrition and health (Porto Marina, 2014)
- 23-Feed efficiency in dairy farms (Ain Sokhna, 2014)
- 24-Feed safety: Cow productivity and health (Helton 6<sup>th</sup> October city, August 2014)
- 25-Feed safety: Fish productivity and health (Kafrelsheikh university, August 2014)
- 26-Take your next year management to a higher level (Kafrelsheikh university, October 2014)
- 27-Feeding strategies to minimize dairy cow production diseases (Alexandria, October 2014)
- 28- Take your feeding management to maximize microbial protein yield (Mansoura, November 2014)
- 29-Nutrition and fish immunity (kafrelsheikh, 2015)
- 30-Immunostimulants in aquaculture operations (Sharm Elsheikh, 2015)
- 31-Immunostimulants in aquaculture operations (Alexandria, 2015)
- 32-Heat stress: cow production, health, and nutritional management (Porto Marina, 2015)
- 33- Heat stress: cow production, health, and nutritional management (Alexandria, 2015)
- 34-Heat stress: cow production, health, and nutritional management (Ismaellia, 2015)
- 35-Rumen microbe's:A cow's best friend ( faculty veterinary medicine conference,Lagoon Alex,2016)
- 36-Adventitious toxins in fish feeds (Movenpick hotel, Sharm Elsheikh , 2016)
- 38-Dairy calves nutrition and future of cow performance (Novotel hotel, Riyadh Saudi Arabia 2016)
- 39-Feed efficiency and dairy management (steigenberger , Hurghada 2016)
- 40- Mycotoxins contaminations of forage (Cleopatra resort hotel, Sharm Elsheikh , 2017)
- 41-Health insurance nutrients for Tilapia Nilotica(Baltim, 2017)
- 42-Corn silage signals (Radisson hotels, Alexandria, 7 )
- 43-How does nutrient metabolism influence the immune system? (Mirage hotel,Alexandria, 2018)
- 44- Heat stress: cow production, health, and nutritional management (Kuwait, 2018)

## **MEMBERSHIPS**

- American association of bovine practitioners (AABP)
- Hoards dairyman
- Feed international
- Dairyman progressive

## **EXHIBITIONS**

- World dairy expo 2009 Madison, Wisconsin, USA
- World dairy expo 2010 Madison, Wisconsin, USA
- World dairy expo 2011 Madison, Wisconsin, USA
- World dairy expo 2012 Madison, Wisconsin, USA
- World dairy expo 2013 Madison, Wisconsin, USA
- World dairy expo 2014 Madison, Wisconsin, USA
- World dairy expo 2015 Madison, Wisconsin, USA
- World dairy expo 2017 Madison, Wisconsin, USA
- International poultry expo 2011, Atlanta, Georgia, USA
- International poultry expo 2012, Atlanta, Georgia, USA
- International poultry expo 2013, Atlanta, Georgia, USA
- International poultry expo 2014, Atlanta, Georgia, USA
- VIVA 2014, Holland
- VIVA 2015, Bangkok, Thailand
- VIVA 2017, Bangkok, Thailand
- Eurotier 2014, Hanover, Germany
- Eurotier 2016, Hanover, Germany
- FIAAP conferences 2016, Bangkok, Thailand

## **SEMINARS & CONFERENCES**

Attended the following seminars

- Maritime milk quality research presentations, Atlantic vet. College, Canada, 2007
- Egyptian veterinary association of epidemiology, Cairo 2010
- MSD animal health, Egypt livestock scientific seminar, Sharm Elsheikh 29-31 October, 2011
- International dairy short course university Wisconsin, Madison, USA, 2012
- World Veterinary congress 31<sup>st</sup> Prague, 2013
- Biomin world nutrition forum, Munich, Germany, 15-18 October, 2014
- Rumen academy, Gumpenstein, Austria 15-19 August 2015
- MSD bovine expert and leadership team workshop Porto Marina, 2016
- American dairy science association ADSA (Knoxville, Tennessee, USA, 2018)

## **VISITS**

- The provincial feed and soil testing laboratory in Charlottetown, Canada, 2007
- The food technology center in Charlottetown, Canada, 2007
- A probiotic production center, Montreal, Canada, 2007
- Several regional dairy farms in Nova Scotia, Canada, 2007
- Dairy cattle research center in Nova Scotia, Canada, 2007

## **Cow selections**

- Moubarak farm from Holland 2010

## **PROJECTS**

Director for two projects:

- 1-Underutilized home wastes as animal feeds (fund 100.1000LE)
- 2-Accreditation of feed, water and food of animal origin lab (fund 1.600.000LE)