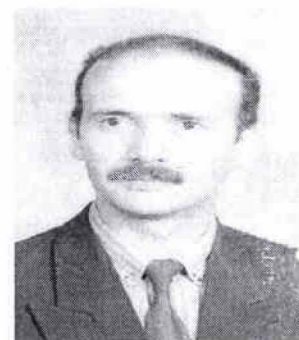


CURRICULUM VITAE

Name : **Gamal Hussien Mostafa Zaza**
Date of birth : 28th October 1955
Nationality : Egyptian
Postal and home address : 6 Emarat Elpetrool, Almohandeseen, Al-agoza, Giza
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Qualifications:

- Ph.D. Animal production (Animal nutrition), Al-Azhar University, Cairo, Egypt, 1997.
- M. Sc. Animal production (Animal nutrition), Al-Azhar University, Cairo, Egypt, 1993.
- Post graduate Diploma (poultry technology), Al-Azhar university, Cairo, Egypt, 1989.
- Post graduate Diploma (poultry and animal feeds), Barneveld college, Holland, 1986.
- B.Sc. Agricultural Sciences, Moshtohor, Zagazig, Egypt, 1978.

Permanent post and Responsibilities:

Employer : Utilization of By-product Research Department, Animal Production Research Institute, Agricultural Research Center, Ministry of Agriculture and Land Reclamation.

Permanent Position : Professor – Chief Research Scientist – Animal Nutrition

Address : Nadi El-Said Street, El-Dokki, Giza, Cairo, Egypt.

Tel./Fax : 00202 333043325

The responsibilities

- Participation in setting up research plans on utilization of farm by-products in Ruminants feeding of Utilization By-product Research Department.
- Supervising MSc. and PhDs studies for junior's researchers.
- Training junior researchers of Animal Production Research Institute (APRI).
- Managing human, finance and material resources, all administrative as well as technical activities of Non-traditional Fodder Project (a sustainable project after phasing out the German technical assistance via GTZ).
- Managing human, finance and material resources, all administrative as well as technical activities of the marketing Unit of Roughages Treatment.
- Participation in setting up general research plans for ruminants feeding of APRI.
- Participation in designing and implementing training programs on animal feeding for livestock specialists, technology transfer specialists as well as extension meetings and field days at farm level.
- Managing all activities of intellectual property rights and technology marketing and leading the staff of Animal Production Research Institute office.
- Member of the team responsible for implementing the National Campaign of Recycling Crops Residues recommendations.

Languages:

Languages:	spoken	written
Arabic	mother tongue	
English	very good	very good
French	fair	fair

Training courses, workshops and seminars:

- 1986 - International training course on poultry husbandry, animal feed and milling technology. **Holland.**
- 1992 - Training of trainers (TOT), **GERMANY,**
- 1992 - Introductory seminar on development policy, **Barneveld College, Holland.**
- 1993 - Training of trainers and design training courses. German agency for technical cooperation (**GTZ**) **Cairo**
- 1993 - Advanced English language course, **American University (AUC), Cairo.**
- 1993 - Livestock extension - Animal and poultry nutrition, **Maryland University, USA.**
- 1994 - Written communication, **British council, Cairo.**
- 1995 - Animal Nutrition, Livestock extension and training of trainers, **HOLLAND.**
- 1996 - Participatory extension, communication, moderation and visualization of extension aids, German -agency for technical cooperation (**GTZ**), **Cairo.**
- 1996 - Establishment of Middle East Agro-net, **GTZ, Cairo.**
- 1997 - Promotion of rural development and planning in the tropics and sub-tropics, **GERMANY.**
- 2000 - Extension in rural development, **GERMANY.**
- 2000- Entrepreneurship in poultry production, sponsored by **Barneveld College of HOLLAND, held at TUNISIA.**
- 2001 - Intellectual property management, **Michigan State University, USA.**
- 2001 - Farm economic and feasibility studies. International training centre, **Sakha, Egypt**
- 2002 - Intellectual and Tangible Property Management in Agriculture. Sharm el Sheik, Egypt with **CORNELL University, USA, Funded by US-EGYPT S&T Program.**
- 2003 - "Enhancing Managerial Skills" For Top Management. **American University (AUC).**
- 2004 - Workshop on Expert Consultation on the Utilization of Agricultural Residues. **Organized by FAO. Cairo, Egypt.**
- 2004 - Workshop on awareness creation on intellectual property rights for Agricultural researchers, **Agricultural Research Center. Egypt.**
- 2005 - Animal Production and Environmental Management. Organized by **CIHEAM in Fonte Poa, Portugal.**
- 2005 - Intellectual Property and Management of Innovation in Small and Medium -sized Enterprises. By World Intellectual Property Organization of UN (WIPO) and the International Network for Small and Medium- Seized Enterprises (INSME). **Geneva, Switzerland.**
- 2005 - "Advanced Managerial Skills" For Top Management. **American University (AUC).**
- 2006 - Training of trainers' workshop. **American University (AUC).**
- 2006 - Report writing workshop, **American University (AUC).**
- 2006 - Development of Animal and Poultry Wealth in Egypt and the anticipated role of Agricultural Extension. **Faculty of Agric. Alexandria Univ. Egypt**
- 2006 - Seminar on Holland Genetics. GMB Associates. Agriculture and Livestock Management Services. **Cairo, Egypt.**
- 2006 - Seminar of Natural Feed Additives. **P.G.E. Egger Ges. M.b.H Austria. Cairo, Egypt**
- 2006 - Technology Evaluation training course. **By USAID, Cairo, Egypt.**
- 2007 - Modern Technology in Recycling Rice straw and Environment Protection. Masara University Egypt.
- 2011 Next Generation Sequencing and its Applications. Agricultural Genetic Engineering Research Institute. **ARC. Cairo Egypt.**

Specific areas of expertise:

- Research filed:
 - Design and conduct applied researches on ruminant nutrition in general and on utilization of farm by-products in ruminants feeding in particular.
 - Conducts on farm trails.
 - Published 30 research papers.

- Supervision MS and PhD students from 1999 till now.
- Management of chemical analyses laboratory for animal feed.
 - Proximate analyses.
 - Minerals analyses.
 - Chromatography analyses (Fatty acids, volatile fatty acid, Toxins, Vitamins and amino acids).
- Monitoring and evaluation of project activities:
 - Evaluation of feeding packages and activities of Non-traditional Fodder Project sponsored by The American Catholic Relief Services (CRS), 1999 in El-Minya, El-Fayoum, Assuit and Qena governorates.
 - Evaluation of feeding packages of Food Sector Development Program (FSDP), sponsored by EU and Ministry of Agriculture, 2000.
- Training and coaching livestock extension specialists of Ministry of Agriculture from 1991 till 2000 under the joint Egypt- Germany project of Non Traditional Fodders on extension methodology:
 - Participatory extension.
 - Group farmers' extension.
 - Farmer to farmer extension.
 - Individual extension.
- Participate in the design and elaborate extension packages on animal feeds for the joint Egypt-Germany project (Non Traditional Fodders) from 1991 till 1998:
 - Feeding management for large ruminants.
 - Treatment crops residues with Urea solution.
 - Silage making from green crops residues.
 - Ration formulation.
- Participate in the design and elaborate extension aids related to large ruminants management:
 - Extension modules, formulate technical knowledge in an extension formula guarantee an effective scenario between farmers and extension worker or among them.
 - Visualization all extension models.
- Training and coaching livestock extension specialists of Egypt-Germany joint project (Non Traditional Fodders) from 1991 till 1998 on technical topics:
 - Large ruminants feeding management,
 - Application of urea treatment.
 - Silage making.
- Participation in all workshops, carried out in line with elaborated project planning matrix and technical packages.
- Local consultant and counterpart to the German experts of the Non-traditional Fodder Project (GTZ) in planning and following up the execution of the project plans from 1991 till 1998
- Participation with the staff of Central Administration of Agriculture Extension to sustain the program of Non-traditional Fodder innovations in the governorates of Upper Egypt from 1998 till 2007.
- Planning for setting up and equipping animal farms as well as preparing its feasibility studies
- Technical consultant (animal production) to The American Catholic Relief Services (CRS) 1997/1999
- Lecturer and trainer for ruminant specialists of Agricultural Intensification Project (World Bank) from 1998 -2003 in Minya and El-Fayoum governorates.
- Dealing and operating personal computer.
- Intellectual property rights and technology management commercialization.
- Preparation a study on Animal Feed Resources in Arab Countries for the Arab Center for studies of Dry and Arid regions (ACSAD) 2007-2008.
- Evaluation biological treatments for Agricultural by-products improvement systems project. Joint project between USAID and The Egyptian Biodynamic Agriculture Association during 2006 - 2007.
- Participation in arbitration of scientific papers of the 1st international Conference for Development of Sheep and Goats,7-9 February 2006. Cairo, Egypt.
- Participation as co-chairman of scientific session of the 5th International conference on rabbit Production in Hot Climates. 4-7 December 2007. Hurghada, Egypt.

Employment Record and Principal Tasks:

Time	Position	Tasks
2008 - 2011	<p>Consultant (Full time) The United Nation Development Program (UNDP) supported to Saudi Food and Drug Authority (Saudi Arabia)</p>	<p>Tasks</p> <ul style="list-style-type: none"> • General roles: • Feed consultant <p>Head of the project in charge in drafting Feed Law. Head of the project in charge in Drafting feed safety regulations, guidelines and principles Revise feed-related technical and safety standards Initiate applied research & awareness programs</p> <p>Developing Training program for Feed Dept. Staff on Animal nutrition, Feed technology as well as Feed Safety Issues</p> <p>Participate in setting up monitoring programs for undesirable materials in Animal Feed</p> <p>Participate in setting up feed control system (Registration and Inspection)</p>
2005 – 2008	<p>Consultant (part time) The Egyptian Biodynamic Agriculture Association</p>	<p>Promotion of application of organic and bio feeds for ruminants feeding.</p> <p>Evaluation biological treatment of farm by-products.</p> <p>Training subject matters specialist and farmers on organic feeds for ruminants.</p>
2009	<p>Professor- Chief Researcher Utilization of Farm By-products Research Dept. Animal Production Research Institute (APRI), Agricultural Research Centre (ARC). Ministry of Agric. and Land Reclamation.)</p>	<p>Participate in setting up APRI research strategy for animal nutrition</p> <p>Participate in evaluation of animal feeding development projects.</p> <p>Arbitration of research papers for publication on ruminates nutrition</p> <p>Design and conduct applied researches for small and large ruminant nutrition.</p> <p>Oversee Msc. and PhD. Students (3).</p>
2004-2009	<p>Associate professor - Senior Researcher. Utilization of Farm By-products Research Dept. Animal Production Research Institute (APRI), Agricultural Research Centre (ARC). Ministry of Agric. and Land Reclamation.</p>	<p>Design and conduct applied researches for small and large ruminant nutrition.</p> <p>Oversee Msc. and PhD. Students (3).</p> <p>Participate in arbitration of research papers on ruminants nutrition</p> <p>Participate in setting up research and strategic plans of APRI for animal feeding</p>
1999 - 2004	<p>Researcher, Utilization of Farm By-products Research Dept. Animal Production Research Institute (APRI),</p>	<p>Design and conduct applied researches for small and large ruminant nutrition.</p> <p>Participate in implementing extension</p>

	Agricultural Research Centre (ARC), Ministry of Agric. and Land Reclamation.	programs and activities in ruminants feeding Participate in managing Utilization of Farm By-products Research Department resources.
2000-2007	Project manager (Production of Fodder from Agricultural Residues Project).	Business promotion and management all technical as well as administrative activities of the project. The project restored to effective operation and cost recovery.
2000 -2007	Chairman of the Marketing Unit of Roughages Treatment.	Business promotion and management all technical as well as administrative activities of the unit. The unit was restored to effective operation and cost recovery.
2001 - 2008	Head of intellectual property rights and technology management office of Animal Production Research Institute.	Promotion APRI researchers to protect their innovations as well as coordination with head office commercialization of these innovations.
1998-2000	Local consultant (part-time) , FSDP project-Egypt/EC	Evaluation of the impact of feeding packages.(Treatment crops residues like straws with urea and ammonia)
1997-2000	Local consultant (part-time) , Catholic Relief Services (CRS)/ Egypt. Non - Traditional Fodder Project	Planning and implementing CRS non- traditional fodders project. Training CRS subject matters specialist on: <ul style="list-style-type: none"> - Feeding management for large ruminants. - Treatment crops residues with Urea solution. - Silage making from green crops residues. - Extension communication methodologies. Evaluation of CRS Non – Traditional Fodder Project activities.
1991-1998	Local consultant and counterpart for German expert of Non Traditional Fodder Project (NTFP), implemented by APRI and GTZ.	Assisting the expatriate staff in liaising with central and local Government agencies of the Extension Department and of the Animal Production Services. Setting up and implementing training programmes for the extension staff Training and coaching livestock extension specialists on technical topics. Monitoring and evaluation of project activities.
1987-1999	Senior Animal production specialist at Animal Production Research Institute (APRI) Agricultural Research Centre	Studying MSc and Ph. D thesis Monitoring all research stations of APRI all over Egypt.

(ARC)

Technical advisor to APRI farmer's visitors.

1980 – 1987 **Poultry production specialist at the General Organization for Agrarian Reform.** Pursing, monitoring and evaluation poultry farms of Agrarian Reform all over Egypt.

Scientific conferences:

- The Second Arab Veterinary Medicine Conference, Cairo, Egypt 1984.
- The First Scientific Conference on the Future of Rabbits Production in Egypt, Ismaelia, Egypt 1987.
- The First Conference on the Role of Scientific Research of Uprising Animal Wealth, Cairo, Egypt 1988.
- The Second Scientific Conference on Animal Nutrition, Sakha, Kafr-El- Sheik, Egypt, 1992.
- The Nineteenth International Congress on Poultry, HOLLAND, 1992
- The fifth Scientific Conference on Animal Nutrition, Suez Canal University, Egypt, 1995.
- The 8th Scientific Conference on Animal Nutrition, 2001 Sharm- Elsheik, Egypt.
- The 3rd Scientific Conference on Rabbit Production in Hot Climates, Hurghada 2002, Egypt.
- The 9th Scientific Conference on Animal Nutrition, 2003. Hurghada, Egypt.
- The 4th International Conference on Rabbit Production in Hot Climates, 2005. Sharm- Elsheik, Egypt.
- The Second Scientific Conference of Animal Production Research Institute. Sakha – Kafr El-Sheik. Egypt September 2005.
- The 10th Scientific Conference of Animal Nutrition. 22 – 25 November 2005. Sharm El-sheik. Egypt
- The 11th Scientific Conference of Animal Nutrition. 12-15 November 2007 Luxor, Egypt.
- The 5th International conference on rabbit Production in Hot Climates. 4-7 December 2007. Hurghada, Egypt.
- The 4th scientific conference of Animal wealth in The Middle East and North Africa. Cairo 2011.
- 13th Scientific Conference on Animal Nutrition, 2012 Sharm- Elsheik, Egypt.

Membership of scientific associations:

- Netherlands universities alumni association.
- The Egyptian society of nutrition and feed.
- The Egyptian poultry science association.
- The Egyptian rabbits science association.
- The Egyptian society of animal production.
- Association of research members of agricultural research center.
- The Egyptian society of researches and environmental services.

List of publications: -

- 1- Poultry and rural development in Egypt. Proc. of the Introductory Seminar on Poultry Development Policy. Barneveld College, 7-16 September 1992, Barneveld, the Netherlands: 115-118
- 2- Effect of feeding of different dried manure sources on performance of growing catfish. (*Clarias lazera*). Mansoura Univ. J. Vol. 18 (11): 3249 - 3256 (1993).
- 3- Poultry production and entrepreneur-ship in Egypt. Proc. of the Seminar on Entrepreneur-ship in Poultry Production. Tunisia. Sponsored by Barneveld College of the Netherlands, 30 October- 12 November (2000): 72-77.
- 4-Utilization of potato processing by-products and sweet potato tubers as non- conventional energy sources by growing rabbits. The 3rd Scientific Conference on Rabbits in Hot Climates.8-11 October (2002). Hurghda, Egypt.
- 5-Effect of using extruded soybean seed on growth performance of buffalo calves. Proc. 3rd All Africa. Conf. Anim. Agric. Conf. Egyptian Soc. Anim. Prod., Alexandria, Egypt, 6-9 November, 2000: 237-244.
- 6-Effect of incorporating olive cake as a non-conventional feedstuff in diet of growing commercial rabbits. Egyptian Journal of Nutrition and Feeds (2001) 4 (Special Issue), 861-868.
- 7-Evaluation of silage made from vegetable market wastes. Book of Abstracts of the 53rd Annual Meeting of the European Association for Animal Production. No. 8 (2002), Cairo, Egypt, 1-4 Sept. 2002.
- 8-Effect of feeding vegetable market wastes on production performance of dairy cows. Book of Abstracts of the 53rd Annual Meeting of the European Association for Animal Production. No. 8 (2002), Cairo, Egypt, 1-4 Sept. 2002.

- 9- Effect of partial substitution of corn grains by dried sugar beet pulp in growing lamb's rations on their productive performance. *J. Agric. Sci. Mansoura Univ.*, 27 (9): 5759- 5765, 2002.
- 10- Effect of non-hormonal growth promoters on digestibility, rumen fermentation, some blood constituents and growth rate in sheep. *Annals of Agric. Sci. Moshtohor*, Vol. 40 (3): 1449 – 1460, (2002).
- 11- Studies on the nutritive value of cabbage by-products as a non-conventional feedstuff in feeding of growing rabbits. *Egypt. J. Appl. Sci.*: 17 (7) 2002: 1- 10.
- 12- Utilization of bakery by-products in feeding lactating goats. *Egypt. J. Appl. Sci.*: 18 (12 B) 2003: 476-490.
- 13- Utilization of bakery by-products in feeding lactating goats. *Egypt. J. Appl.Sci.*: 18 (12 B) 2003: 476-490.
- 14-Effect of using natural non-traditional growth promoters: 2- Effect of fenugreek and monensin as growth promoters on beef steers performance. *Egyptian Journal of Nutrition and Feeds*. Vol. 6 (Special Issue), October, 2003 Hurghada, Egypt.1081-1093.
- 15- Effect of using different type of berseem silage containing different sources of energy on performance of lactating cows. *J. Agric. Sci. Mansoura Univ.*, 29 (1): 2004.
- 16- Utilization of farm-by-products in animal feeding. Expert Consultation on the Utilization of Agricultural Residues. Organized by FAO. Cairo, Egypt, 6-8 June 2004.
- 17- Effect of feeding calcium salts of fatty acid as a non-traditional energy source on productive performance of lactating buffalo, 2004. *J. Agric. Sci. Mansoura Univ.*, 29 (12): 6873-6884
- 18- Effect of feeding biologically treated or non-treated grape pomace on growth performance of rabbits. The 4th International Conference on Rabbit Production in Hot Climates, 2005. Sharm-Elsheik, Egypt.275-283.
- 19-Effect of incorporation of biologically treated sugar beet pulp as a non-conventional feed stuff in the diets of growing rabbits. The 4th International Conference on Rabbit Production in Hot Climates, 2005. Sharm- Elsheik, Egypt. 267-274.
- 20-Effect of feeding biologically treated or non-treated grape pomace on growth performance of rabbits. The 4th International Conference on Rabbit Production in Hot Climates, 2005. Sharm-Elsheik, Egypt. 275-283.
- 21- Effect of supplementation with *Osmium Basilicum* by product on digestibility, metabolic and production performance of ewes (2005). The Second Scientific Conference of Animal Production Research Institute. Sakha – Kafr El-Sheik.
- 22-Effect of using natural non-traditional growth promoter: in vitro evaluation of fenugreek as a natural non-traditional growth promoter and in vivo comparison with monensin in beef cattle rations (2005). *Egyptian Journal of Nutrition and Feeds*. Vol. (8) 2:187-206.
- 23-Nutritional evaluation of chickpea straw as a roughage source in sheep rations. (2005). *Egyptian Journal of Nutrition and Feeds*. Vol. 8:405-416.
- 24-Proposed system for filling the feeding gap for farm livestock in Egypt (2006).
- 25-Using reed (*arnado donax l*) as a non-traditional feed source and its effect on productive performance of lactating goats (2007). *Egyptian Journal of Nutrition and Feeds*. Vol. (8) 2:187-206.
- 26-Effect of feeding biologically treated or non-treated apple pomace on growth performance of rabbits (2007). The 5th International Conference on Rabbit Production in Hot Climate. 4-7 December 2007, Hurghada.
- 27- Nutritional evaluation of some vegetable crops by-products as unconventional feedstuffs in rabbits feeding (2009). *Egyptian Journal of Rabbit Science*, 19 (2) 71 – 86.
- 28-Effect of some feed additives on rearing calves from birth till weaning. 1- Productive performance and some blood parameters, (2009). *J. Agric. Sci. Mansoura Univ.*, 34(4): 2763 - 2783.
- 29-Effect of using biologically treated egg plant shoots in growing rabbit diets (2011). *Egyptian Journal of Rabbit Science*, 21 (2) 127 – 142 (2011)
- 30-In vitro evaluation of the effect of some natural sources of peroxidase enzyme on degradation of phenolic compound in some local feedstuffs, (2012). *Egyptian Journal of Nutrition and Feeds*. Vol. 15 (1) special issue: 179-188.
- 31-Milk production, feed conversion ratio and reproduction of zaraibi goats fed reed plants in different forms during late pregnancy and lactation periods. 11th Conf. Agric. Dev. Res., Fac. Agric., Ain Shams Univ., Cairo, Egypt, March, 2012.
- 32- Impact of using pea vines as non-conventional feedstuff on growth performance of rabbits. 10th World Rabbit Congress – September 3 - 6, 2012– Sharm El- Sheikh –Egypt, 525 - 529