



MAHMOUD ABDELSALAM IBRAHIM ELAZAB

RESEARCHER

PERSONAL INFORMATION	Full Name:	Mahmoud Abdelsalam Ibrahim Elazab
	Affiliations:	Researcher in Animal Nutrition, Livestock's Dept., Arid Lands Cultivation Research Institute, City of Scientific Research and Technological Applications (SRTA-City).
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EDUCATION	2013-2017: <u>Ph.D</u> in animal nutrition, Animal and Fish Production Department, Faculty of Agriculture Saba-Basha, Alexandria University, Egypt. "Effect of Essential Oils Mixture on Digestion, Rumen Fermentation and the Performance of Some Farm Animals".	
	2009-2012: <u>M.Sc.</u> in animal nutrition, Animal and Fish Production Department, Faculty of Agriculture Saba-Basha, Alexandria University, Egypt. "Utilization of Tomato Pomace in Feeding Rabbits".	
	2004-2007: <u>B.Sc.</u> in Agricultural Sciences, animal and poultry production Department, Faculty of Agriculture Moshtohor, Benha University, Egypt. With Degree "Very good".	

	<p>2001-2003: <u>High School</u> certificate, Toukh militarization boys Secondary School, toukh, Qaluobia, Egypt.</p>
<p>ACTIVITIES</p>	<p>Scientific Activities</p> <p>Feb 2012- Conference of the Egyptian Society for reproduction and fertility in animals - Ain Sokhna, Egypt.</p> <p>May 2013- A workshop entitled cultivation and development of Jatropha - City of scientific research and applications of technology - Burj Al Arab - Alexandria, Egypt.</p> <p>1st Dec. 2014- Workshop on “Data analysis and modeling using CoStat statistical Software” Plant prod. Dept., ALCR- Inst., SRТА- City. Burj Al Arab-Alex., Egypt.</p> <p>10 Feb. 2015- The 1st Mycotoxins Workshop “Modern Detection of Mycotoxins in Food and Feed” Food Techno. Dept., ALCR- Inst., SRТА- City. Burj Al Arab- Alex., Egypt.</p> <p>30 Mar 2015- A workshop entitled "Cultivated barley, its wealth and wealth in feeding farm animals", Department of Animal and Fish Production - Faculty of Agriculture - Alexandria University - Egypt</p> <p>22 Dec. 2015- Workshop on “Hydroponics, Introduction and Applications by using different types of water” Plant prod. Dept., ALCR- Inst., SRТА- City. Burj Al Arab- Alex., Egypt.</p> <p>26th Sept. 2016- Workshop on “Food Contamination: Risks, Detections and Prevention” Food Techno. Dept., ALCR- Inst., SRТА- City. Burj Al Arab- Alex., Egypt.</p> <p>24 May 2017- A workshop entitled "Magnetic water and its role in agriculture - its money and its money", Faculty of Agriculture - Alexandria University - Egypt.</p> <p>13 July 2017- A workshop entitled "Alternative Feeds in Feeding Farm Animals", Animal and Fish Production Department, Faculty of Agriculture - Alexandria University - Egypt.</p> <p>27 Feb. 2017- "The Reality of Livestock in Egypt and its Development Prospects" Department of Animal and Fish Production - Faculty of Agriculture - Alexandria University - Egypt.</p> <p>Nov. 7-9, 2017- 3rd International Conference “Sustainable Development of Livestock’s Production Systems” Anim. and Fish Prod. Dept., Fac. of Agric. (El-Shatby), Alex. Univ., Egypt.</p> <p>24 Dec. 2018- "The Ongoing Giant Projects Between Reality and Hope", Faculty of</p>

Agriculture - Alexandria University

26 Jan- 4 Feb, 2019- School of Animal Production for Winter Schools for Egyptian university students (instructor), Livestock Department Research, SRТА-City. Burj Al Arab- Alex., Egypt.

24 Mar. 2019- "Insects as a source of protein", Faculty of Agriculture - Alexandria University

2-11 Sep. 2019- School of Animal Production for Summer Schools for Egyptian university students (instructor), Livestock Department Research, SRТА-City. Burj Al Arab- Alex., Egypt.

19-20 Nov. 2019- 4th International Conference on Sustainable Development of Livestock Production System "Smart and Precise Farming" Anim. and Fish Prod. Dept., Fac. of Agric. (El-Shatby), Alex. Univ., Egypt.

26 Jan- 6 Feb 2020- Technical Skills in the Animal and Poultry Production Sector Program, Winter School Program for Egyptian university students (instructor), SRТА- City. Burj Al Arab- Alex., Egypt.

2nd Nov. 2021- Organizer of the workshop entitled (Nanotechnology Applications for Sustainable Livestock Production), held at the Department of Animal and Fish Production, Faculty of Agriculture (El-Shatby), Alexandria University, Egypt.

3-4th Nov. 2021- Organizer of the 5th International Conference entitled (Sustainable Management of Smart Livestock Farming) for poster presentation held at the Department of Animal and Fish Production, Faculty of Agriculture (El-Shatby), Alexandria University, Egypt.

20 June, 2022- Reaxys in Organic Chemistry and Material Science at SRТА- City. Burj Al Arab- Alex., Egypt.

30 Jun-1st Jul. 2022- Arab Youth Entrepreneurship Forum- SRТА- City. Burj Al Arab- Alex., Egypt.

12-15 Sept. 2022 Member of the Organizing Committee participating in the Sahara Exhibition (International Agricultural Exhibition in Africa and the Middle East), representing the City of Scientific Research and Technological Applications- International Exhibition Centre - Fifth Settlement – Cairo- Egypt

31 Oct-1 Nov, 2022 "Writing a Successful Research Project and Grant Proposal" developed and implemented by TICO of SRТА-City, Burj Al Arab- Alex., Egypt.

24 Oct, 2022- "Patents and Innovation Stimulation" developed and implemented by TICO of SRТА-City, Burj Al Arab- Alex., Egypt.

28 Nov, 2022- "Programs and grants provided by the Misr El-Kheir Foundation to

support scientific research” developed and implemented by TICO of SRTA-City, Burj Al Arab- Alex., Egypt.

29 Nov- 2 Dec, 2022- “Design thinking & Entrepreneurship” (the five steps from the problem to businesses idea) developed and implemented by TICO of SRTA-City, Burj Al Arab- Alex., Egypt.

Administrative Activities

- 1- Member of the Olive Farm Planning and Establishment Committee of the Arid Lands Research Institute (2009).
- 2- Member of the Technical Decision Committee for Arid Lands Research Institute Tender (2013/2014).
- 3- Member of the Technical Decision Committee for Chemical Tender - Arid Lands Institute - 2014.
- 4- Member of the Committee for the Upgrading of the Efficiency, Replacement, Renewal and Modernization of Laboratory Equipment in the City of Scientific Research and Technology Applications (2018/2019).
- 5- Member of the Committee for Examination and Receipt of Scientific Equipment, subject of direct contract with the Ministry of Military Production 2019.
- 6- Member and Secretary of Livestock Research Department Council 2019/2020.
- 7- Member of the Arid Lands Research Institute Council 2019/2020.
- 8- Member of the Committee for Receipt and Examination of Chemicals and Plastics for the Scientific Research City 2019/2020.
- 9- Member of the committee for setting the names of laboratories, offices and entrances to the Arid Land Agriculture Research Institute, setting an insurance plan for the institute, and determining security and safety trends 2020.
- 10- Member and Secretary of Livestock Research Department Council 2020/2021.
- 11- Supervisor of the Nutrition Laboratory, Department of Agricultural Animal Research.
- 12- Director of the Office of Follow-up to Research Projects, Funding Opportunities and International Cooperation- Technology Innovation Commercialization Office (TICO)- City of Scientific Research and Technological Applications- Egypt City of Scientific Research and Technological Applications- Egypt.
- 13- Chairman of the Committee for Developing Specifications for the Necessity of Contracts for the Entrepreneurship Club project, which is funded by the Academy of Scientific Research and Technology.

	<p>14- Member of Livestock Research Department Council 2022/2023.</p> <p>Well Trained:</p> <ul style="list-style-type: none"> - Analysis of fodder and food (chemical analysis- mycotoxin). - Feed formulation for ruminant animals. - Activity of rumen enzymes. - Evaluation of rumen fermentation analysis (in vitro- in vivo). - In vitro gas and methane production by semi-automatic gas production techniques. - Plant extracts and secondary compounds (tannins, saponins, phorbol ester...) assay - Semen evaluation in farm animals. - Blood biochemical and haematological analysis using spectrophotometer and Eliza instrument. - Well trained on GC greenhouse gas- calorimetric pump- Milk scan (Bruker)- Microscope. - Establish and management of scientific experiments
<p>LIST OF PUBLICATIONS</p>	<p>Elazab, M.A., Zahran, S.M., Ahmed, M.H., Elkomi, A.E. (2011). Productive performance of growing rabbits fed diet containing different levels of tomato pomace. Benha veterinary medical journal, vol. 22, no. 2, Dec., 2011 :46-57.</p> <p>Komi, A.E.; Kandiel, M.M.; Zahran, S.A.; Hassan, A.I. and El-Azab, M. (2013). Effects of dried tomato pomace (DTP) on the Morpho-Histological Findings and the physic-Chemical properties of the Reproductive Organs, Blood and Semen of the NewZealand Male Rabbits. The Egyptian Society For animal Reproduction and Fertility. Vol 13-4-2013. 10.3923/pjn.2016.590.599</p> <p>Elazab, M.A., Sallam, S.M., Zahran, S.M., Ahmed, M.H., Elkomi, A.E. (2017). Effect of Ginger and Rosemary essential oils Supplementation with different roughage/concentrate ratios on nutrients utilization in sheep. Poster in 3rd International Conference “Sustainable Development of Livestock’s Production Systems” 7 to 9 November 2017 Anim. and Fish Prod. Dept., Fac. of Agric. (El-Shatby), Alex. Univ., Egypt.</p> <p>El-Nile, Amr, Mahmoud Elazab, Hani El-Zaiat, Kheir E.-D. El-Azrak, Alaa Elkomy, Sobhy Sallam, and Yosra Soltan. (2021). "In Vitro and In Vivo Assessment of Dietary Supplementation of Both Natural or Nano-Zeolite in Goat Diets: Effects on Ruminal Fermentation and Nutrients Digestibility" Animals 11, no. 8: 2215. https://doi.org/10.3390/ani11082215.</p> <p>A.E. Kholif, M.A. Elazab, O.H. Matloup, O.A. Olafadehan, S.M.A. Sallam. (2021).</p>

Crude coriander oil in the diet of lactating goats enhanced lactational performance, ruminal fermentation, apparent nutrient digestibility, and blood chemistry, *Small Ruminant Research*, Volume 204, 2021, 106522, ISSN 0921-4488, <https://doi.org/10.1016/j.smallrumres.2021.106522>

Soltan, Y., Morsy, A.; Hashem, H.; **Elazab M.**; Sultan, M.; Marey, H.; Abo El Lail, G.; El-Desoky, N.; Hosny N.; Mahdy A.; Sallam S.; Hafez, E. (2021). Modified Nano-Montmorillonite and Monensin Modulate In Vitro Ruminal Fermentation, Nutrient Degradability, and Methanogenesis Differently. *Animals* 2021, 11(10), 3005; <https://doi.org/10.3390/ani11103005>

Yosra A. Soltan, A.S. Morsy, Nesrein M. Hashem, **M.A.I. Elazab**, M.A. Sultan, Haneen N. Marey, G. Abo El Lail, Nagwa I. El-Desoky, Nourhan S. Hosny, A.M. Mahdy, E.E. Hafez and S.M.A. Sallam. (2021). Organo modified nano clays as effective feed additives to reduce greenhouse gasses from ruminants.5th International Conference: Sustainable Management of Smart Livestock's Farming Production Systems" Smart and Precise Farming" (SMSLF 2021. Faculty of Agriculture, Alexandria University, Egypt from 3-4 November 2021.

Yosra A. Soltan, A.S. Morsy, Nesrein M. Hashem, **Elazab, M.A.** Sultan, Haneen N. Marey, G. Abo El Lail, Nagwa I. El-Desoky, Nourhan S. Hosny, A.M. Mahdy, E.E. Hafez and S.M.A. Sallam. (2021). Montmorillonite modified by anionic organosulfur surfactant supplemented on a basal diet contaminated with aflatoxin B1 affected the rumen fermentation and nutrient degradability. The 18th Scientific Conference of Animal Nutrition, 22-25 November 2021, Hurghada, Red Sea, Egypt. *Egyptian J. Nutrition and Feeds* 2021, 24(2) Special Issue: Page No. 13

Elazab, M.A.; Khalifah, A.M.; Elokil, A.A.; Elkomy, A.E.; Rabie, M.M.; Mansour, A.T.; Morshedy, S.A. (2022). Effect of Dietary Rosemary and Ginger Essential Oils on the Growth Performance, Feed Utilization, Meat Nutritive Value, Blood Biochemicals, and Redox Status of Growing NZW Rabbits. *Animals* 2022, 12, 375. <https://doi.org/10.3390/ani12030375>

Yosra A. Soltan, Amr S. Morsy, Nesrein M. Hashem, **Mahmoud A. I. Elazab**, Mohamed A. Sultan, Amr El- Nile, Haneen N. Marey, Gomaa Abo El Lail, Nagwa El- Desoky, Nourhan S. Hosny, Ahmed M. Mahdy, Elsayed E. Hafez and Sobhy M. A. Sallam. (2022). Potential of montmorillonite modified by an organosulfur surfactant for reducing aflatoxin B1 toxicity and ruminal methanogenesis in vitro. *BMC Veterinary Research* 2022, 18:387. <https://doi.org/10.1186/s12917-022-03476-1> .

Amr E. El-Nile, **Mahmoud A. Elazab**, Yosra A. Soltan, Alaa E. Elkomy, Hani M. El-Zaiat, Sobhy M. A. Sallam and Kheir El-Din El-Azrak. (2022). Nano and natural zeolite feed supplements for dairy goats: feed intake, ruminal fermentation, blood

	metabolites, and milk yield and fatty acids profile. <i>Animal Feed Science and Technology</i> 295 (2023) 115522. https://doi.org/10.1016/j.anifeedsci.2022.115522
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