

PROFILE FOR INSTITUTE WEBSITE

Current photo in graphic file e.g. 2024, 2023.	
Name and surname, Title	Asmaa Elnagar, dr
Position	Assistant Professor
Hirsch Index and Number of citations (according to Scopus) on the day of completing the form	9, 179
Research areas (in points, min. 200 characters, max. 500 characters)	• Dr. Asmaa Elnagar is an academic researcher specializing in Animal Life Sciences, Biochemistry. • She earned her Ph.D. (2021) and M.Sc. from Hokkaido University (2016). • Served as a Postdoctoral Visiting Fellow at Meijo University, Japan, she has published extensively, reviewed for leading journals, and received multiple awards for her contributions to Biochemistry and Diabetes.
Total number of completed research projects; currently implemented research projects (title and number) and selected max. 3 completed projects (title and number) from the newest ones, i.e. 2024, 2023, 2022...	– 6 – Investigating the effects of bioactive compounds on the development and management of diabetes at the Institute of Genetics and Animal Biotechnology of the Polish Academy of Sciences. – Newest projects: 1- [2024 – 2025] Collaborative project: scientific research from the Japan society for the promotion of science. Department of Pathobiochemistry, Faculty of Pharmacy. *Co-investigator: (Ibrahim F. Rehan, Asmaa Elnagar(*), František Zigo, Ahmed Sayed-Ahmed, and Shuhei Yamada). Budget amount is 4000 USD (Meijo University). Theme and achievement: Biomimetic strategies for the deputization of proteoglycan functions. URL: (https://www.frontiersin.org/journals/cell-and-developmental-biology/articles/10.3389/fcell.2024.1391769/full). Participant countries: Japan & Egypt. 2- [2021 – 2022] Project research no. 2021-241, King Saud University (Riyadh, Saudi Arabia).

	Co-investigator: (Asmaa Elnagar(), Khalifa El-Dawy, Hussein I. El-Belbasi, Ibrahim F. Rehan, Hamdy Embark, Zeinab Al-Amgad, Obeid Shanab, Elsayed Mickdam, Gaber E. Batiha, Salman Alamery, Samer S. Fouad, Simona Cavalu, and Mohammed Youssef). Budget amount is 2950 USD (King Saud University). Theme and achievement: Ameliorative effect of oxytocin on FBN1 and PEPCK gene expression, and behavioral patterns in rats' obesity-induced diabetes. URL: (https://www.frontiersin.org/journals/public-health/articles/10.3389/fpubh.2022.777129/full). Participant countries: Saudi Arabia & Egypt. 3- [2021] TUMA-project no. 2021-6, Al Maarefa University, Riyadh, Saudi Arabia *Co-investigator: (Ibrahim F. Rehan, Ahmed F Rehan, Ahmed F Abouelnaga, Mohamed A Hussein, Waleed R El-Ghareeb, Nesreen Zakaria Eleiwa, Asmaa Elnagar(*), Khalifa El-Dawy, Hussein I El 02Belbasi, Mohamed H Mahmoud, Gaber El-Saber Batiha, Hossam E Gadallah, Shereen E. Abdel-Hamid, Barbara M Benowitz, and Mohamed Abdelfattah Maky). Budget amount is 2950 USD. Theme and achievement: Impact of dietary egg yolk IgY powder on behavior, meat quality, physiology, and intestinal Escherichia coli colonization of broiler chicks. URL:(https://www.frontiersin.org/journals/veterinary-science/articles/10.3389/fvets.2022.783094/full). Participant countries: Saudi Arabia & Egypt.
Total number of publications; ORCID (number and hyperlink to the profile); SCOPUS (number and hyperlink to the profile); indicate selected publications (max. 5)	– 14 – 0000-0002-4282-8047 (https://orcid.org/0000-0002-4282-8047) – Selected Publications: 1. [2025]. Therapeutic impact of dietary ginger supplementation in chickens experimentally infected with coccidia -anti-oxidant, biochemical, and pathological evaluations. Authors: Alshimaa Saber, Amany Mawas, Atef M. Khalil, Ahmed I. Ahmed, Dina M.W. Shibab Elhamd, Esraa Ali, Ibrahim F. Rehan, <u>Asmaa Elnagar</u>, František Zigo, and Mohammed Salah. Journal Name: Frontiers in Veterinary Science. doi:10.3389/fvets.2025.1511759. (Q1 Journal, IF:2.6). Volume, Issue and Pages: 12, 1511759. 2. [2023]. Ozonated saline intradermal injection: promising therapy for accelerated cutaneous wound healing in diabetic rats. Authors: Ahmed Hesham, Marwa Abass, Haanin Abdou, Reham Fahmy, Maha M. Rashad, Abdelnaser A. Abdallah, Wael Mossallem, Ibrahim F. Rehan, <u>Asmaa Elnagar</u>, František Zigo, Silvia Ondrašovičová, Ahmed F. Abouelnaga, and Awad Rizk. Journal Name: Frontiers in Veterinary Science. doi:10.3389/fvets.2023.1283679.8. (Q1 Journal, IF:2.6). Volume, Issue and Pages: 10, 128367. 3. [2022]. Ameliorative effect of oxytocin on FBN1 and PEPCK gene expression, and behavioral patterns in rats' obesity-induced diabetes. Authors: <u>Asmaa Elnagar(#)</u>, Khalifa El-Dawy, Hussein I. El-Belbasi, Ibrahim F. Rehan, Hamdy Embark, Zeinab Al-Amgad, Obeid Shanab, Elsayed Mickdam, Gaber E. Batiha, Salman Alamery, Samer S. Fouad, Simona Cavalu, and Mohammed Youssef. Journal Name: Frontiers in Public Health. doi:10.3389/fpubh.2022.777129. (Q1 Journal, IF: 6.461). Volume, Issue and Pages: 10, 777129.(#): first author.

	4. [2018]. Asprosin: a novel biomarker of type 2 diabetes mellitus. Authors: Asmaa Elnagar (#*) , Hussein I El-belbasi, Ibrahim F. Rehan, and Khalifa El-Dawy. Journal Name: Slovenian Veterinary Research. doi:10.26873/svr-661-2018. (Q4 Journal, IF: 0.922). Volume, Issue and Pages: 55 (20-Suppl), 333-347. (#*): first and corresponding author.
Total number of patents; selected patents (max. 2) and a hyperlink to personal patent achievements (UP RP), on the day of completing the form	– None
Selected scientific achievements from the newest, i.e. 2023, 2022, 2021... (in points, min. 800 characters, max. 1000 characters)	Honours and Awards • [01/2025] Excellent Peer-Reviewing Award, BP International, India. • [11/2023] Excellent Publication Award, Egypt. • [09/2021] STDF Grant, Zagazig University, Egypt. • [2019–2020] MEXT Scholarships (Ph.D., Meijo Univ., Japan), awarded but cancelled due to COVID-19. • [12/2018] Best Oral Presentation Award, 4th Int. Conf. of Biomedical Sciences, Egypt. • [10/2015–03/2016] HIECC Scholarship, Hokkaido Univ., Japan. • [03/2016] Graduate School Award, Hokkaido Univ., Japan. • [01/2016] Subsidy Travel Grant, 103rd Indian Science Congress, India. • [11/2015] English Presentation Award, 3rd Int. Life Science Symposium, Japan. • [09/2015] Best Poster Award, 23rd Int. Symp. on Glycoconjugates, Croatia. • [08/2015] Int. Conference Grant, Women Scientists Symposium, Tokyo, Japan. • [10/2014–03/2015] Scholarship for Int. Students, Hokkaido Univ., Japan.
Number and list of defended PhD students from the latest, i.e. 2024, 2023, 2022...	– [04/2021 – 02/2022] Thesis supervision (3 doctor students), Egypt.
Organizational activities, dissemination of knowledge and others (in points, min. 300 characters, max. 1000 characters)	Conferences & Seminars • March 2022 – 7th International Conference of Veterinary Sciences, Zagazig University, Egypt. Title: Asprosin: A Novel Biomarker of Type 2 Diabetes Mellitus. (Oral Presentation) • August 2020 – 5th International Conference of Veterinary Sciences, Kafr El-Sheikh University, Egypt. Title: The Impact of Probiotics and Egg Yolk IgY on Behavior and Blood Parameters in a Broiler Immune Stress Model. (Oral Presentation) • December 2018 – 4th International Conference of Biomedical Sciences, Hurghada, Egypt. Title: Asprosin: A Novel Biomarker of Type 2 Diabetes Mellitus. (Oral Presentation, Presentation Award). • January 2016 – 103rd Indian Science Congress, University of Mysore, India. Title: Comparative Study of Indian and Japanese Human Serum N-Glycomics. (Oral Presentation) • November 2015 – 3rd International Life Science Symposium, Faculty of Life Science, Hokkaido University, Sapporo, Japan. • Title: Synthetic Study on LPS O-Antigen of <i>Pandoraea pulmonicola</i> (Oral Presentation, English Presentation Award).

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| | <ul style="list-style-type: none">• September 2015 – 23rd International Symposium on Glycoconjugates, Split, Croatia. Title: Sialic Acid as a Glyco-Biomarker of Seasonal Variation in Dairy Cow. (Poster Presentation, Online, Presentation Award).• October 2014 – 2nd International Life Science Symposium, Faculty of Life Science, Hokkaido University, Sapporo, Japan. Title: A Synthetic Glycoconjugate Approach on LPS O-Antigen of <i>Pandora</i> <i>pulmonicola</i> (Oral Presentation). |
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