

Ahmed E. Noreldin

Curriculum Vitae

Name: Ahmed Elsayed Noreldin Ahmed

Qualifications: Ph.D. from Tottori University, Japan. 2016

Nationality: Egyptian

Email: a.noreldin@vetmed.dmu.edu.eg

Scopus ID: <https://www.scopus.com/authid/detail.uri?authorId=57000353700>

Web of Science ID: <https://www.webofscience.com/wos/author/record/746451>

About me

It was easy for me to decide on the study of biological science when I was in secondary school and university as I found my soul in studying biology, in particular the mysterious world of the cell. Thus, I have decided to complete my postgraduate studies investigating the secrets of cells and to be a role model Professor in this field. Recently, I have been attracted to Cancer biology, regenerative medicine, and aging to save the lives of millions of innocent people around the world.

EDUCATION

Doctor of Philosophy in Histology and Cytology 2016

Faculty of Agriculture, Tottori University, Tottori (Japan).

Master of Histology and Cytology 2012

Faculty of Veterinary Medicine, Damanhour University, Damanhour (Egypt)

Bachelor of Veterinary Medicine with Honors 2007

Faculty of Veterinary Medicine, Alexandria University, Egypt, Alexandria (Egypt)

WORK AND EDUCATIONAL EXPERIENCES

Associate Professor of Histology & Cytology 1 Apr 2022–Current

Faculty of Veterinary Medicine, Damanhour University, Damanhour (Egypt)

- Explanation of Histology lectures to undergraduate and postgraduate students for the regular system and the credit hour system.
- Supervision of several Master and Ph.D. theses by designing of the studies, teaching the necessary techniques, following their progress, and solving their problems.

Assistant Professor of Histology & Cytology 24 Nov 2016–31 March 2022

Faculty of Veterinary Medicine, Damanhour University, Damanhour (Egypt)

- Explanation of Histology lectures to undergraduate and postgraduate students for the regular system and the credit hour system.
- Member of the project management unit of Damanhour University who presented several the national and international projects to my faculty and provided the needed support for the applied projects.
- Supervision of several Master and Ph.D. theses by designing of the studies, teaching the necessary techniques, following their progress, and solving their problems.

Assistant Lecturer of Histology & Cytology 14 Feb 2012–24 Nov 2016

Faculty of Veterinary Medicine, Damanhour University, Damanhour (Egypt)

- Participating in teaching practical and theoretical sections of Histology and Cytology for undergraduate students.

Teaching assistant of Histology & Cytology

29 Apr 2008–14 Feb 2012

Faculty of Veterinary Medicine, Damanhour University, Damanhour (Egypt)

- Participating in teaching practical and theoretical sections of Histology and Cytology for undergraduate students.

RESEARCH EXPERIENCE

Damanhour University – Postdoctoral researcher

August 2016 –now

- Collaborating scientific research work (**the distribution of Osteoblast activating peptide (OBAP) all over the body**).
- Collaborating scientific research work (**studying aging factors and investigating the most suitable anti-aging agents**).
- Collaborating scientific research work (**treatment of breast cancer by nanoparticle drug delivery**).
- Collaborating scientific research work (**investigating the most suitable conditions that induce aging in cancer cells without side effects of anticancer agents such as doxorubicin**).
- Collaborating scientific research work (**investigating stem cells in different domestic animals**).
- Collaborating scientific research work (**preventing severe environmental conditions like heat stress**).
- Collaborating scientific research work (**preventing various environmental toxins by natural products and nanotechnology**).
- Collaborating scientific research work (**poultry management under Egyptian conditions**).
- Collaborating scientific research work (**studying the effect of aging on different animals**).
- Collaborating scientific research work (**studying the effect of nanoparticles toxicity in fish**).
- Collaborating scientific research work (**studying the effect of salinity and hypoxia in fish**).
- Collaborating scientific research work (**studying the use of natural resources to relieve the different stressors in fish**).

Tottori University – Ph.D. student

June 2014 – March 2016

Dissertation project:

Distribution and expression of osteoblast activating peptides (OBAP) in digestive organs.

Research Included:

- Distribution of OBAP in the stomach of rats (published).
- Influence of different concentrations of OBAP on the in vivo osteogenesis (unpublished).
- Distribution of OBAP in the kidney of mouse (published).
- Distribution of OBAP in ovaries of mice (published).
- Distribution of OBAP in the testis, thyroid gland, adrenal gland, and pancreas of the mouse (submitted).
- Detection of the possible relationships between the OBAP distribution and calcium metabolism.
- Investigation of the possibility of induction of a new bone formation by OBAP.

An additional project (outside of the dissertation):

Training for 6 months in the College of Veterinary Medicine, Seoul National University, Seoul (South Korea). *The effect of different media on the in-vitro maturation of bovine oocytes and parthenogenetic-induced maturation of the bovine embryos.*

- Cell culture manipulation
- qPCR.

Damanhour University – M.S. work

July 2009 – Feb 2012

Thesis title:

Histological studies of Pre- and postnatal development of gustatory papillae in the rabbit.

Research Included:

- Studying different developmental stages by various kinds of histochemical staining.
- Studying of morphogenesis of gustatory papillae by transmission and scanning electron microscopy.

SPECIALIZED RESEARCH SKILLS

- Induction of different models of cancer and osteoporosis.
- Cell culture techniques.
- Routine histological techniques.
- Transmission electron microscopy.
- Immunohistochemistry, immunofluorescence, and Western blot.
- Handling of experimental animals.
- Conventional and real-time quantitative qPCR.
- Immunological techniques, including ELISA and immune cell response.
- Flow cytometry.

AWARDS, MEMBERSHIPS, AND FELLOWSHIPS

- Joint scholarship in Japan (2013).
- The State Encouragement Award of Egypt 2021, the Egyptian Academy of Scientific Research (ASRT).
- Member of the International Parkinson and Movement Disorder Society (MDS) (2022 till now).
- Active member of American Association of Cancer Research (AACR) (2023 till now).
- Postdoctoral scholarship to Hiroshima University in the Japan (2024).
- The University Encouragement Award of Damanhour University 2024, Damanhour University.

PUBLICATIONS (H-index = 38 (Scopus) and FWCI= 2.03)

Cancer Biology and Cancer Therapy (2020 – Present):

1. Elmetwalli, A., Alaa, R., Youssef, A.I., El-Sewedy, T., Eldrieny, A.M., Hussein, N.A., Salama, M., **Noreldin, A.E.** and Hassan, J., 2025. Precision tumor targeting: gamma-irradiated ellagic acid therapy for ferroptosis and necroptosis modulation via GPX4/ALOX/RIPK/MLKL pathway inhibition. *Naunyn-Schmiedeberg's Archives of Pharmacology*, pp.1-20.
2. Harisa, G.I., Omran, G.A.E.H., Noreldin, M., **Noreldin, A.**, Alshehri, S., Al Rashid, S. and Okda, T.M., 2025. Exploring the miRNA-148b and the caspase-3/Bcl-2/Bax axis as a potential predictive marker in breast cancer. *European Journal of Chemistry*, 16(2), pp.222-232.
3. Salama, A.F., Omran, G., Salahuddin, A.M., Abd-El-Azim, H.M., **Noreldin, A.** and Okda, T.M., Enhanced antitumour efficacy of ferulic acid nanoparticles in combination with doxorubicin—a promising strategy for breast cancer treatment. *Contemporary Oncology/Współczesna Onkologia*, 29(1).
4. Elzanaty, K.A., Omran, G.A., Elmahallawy, E.K., Albrakati, A., Saleh, A.A., Dahran, N., Alhegaili, A.S., Salahuddin, A., Abd-El-Azim, H., **Noreldin, A.** and Okda, T.M., 2024. Design and Optimization of Sesamol Nanosuspensions to Potentiate the Anti-Tumor Activity of Epirubicin against Ehrlich Solid Carcinoma-Bearing Mice. *Pharmaceutics*, 16(7).
5. Eid, R.A., Mamdouh, F., Abdulsahib, W.K., Alshaya, D.S., Al-Salmi, F.A., Ali Alghamdi, M., Jafri, I., Fayad, E., Alsharif, G., Zaki, M.S.A., Alshehri, M.A., **Noreldin, A.E.**, Alaa Eldeen, M., 2024. ACTL6A: unraveling its prognostic impact and paving the way for targeted therapeutics in carcinogenesis. *Frontiers in Molecular Biosciences*, 11, p.1387919.

6. Khafaga, A.F., Gaballa, M.M., Karam, R., Shoulah, S.A., Shamma, R.N., Khalifa, N.E., Farrag, N.E. and **Noreldin, A.E.**, 2024. Synergistic therapeutic strategies and engineered nanoparticles for anti-vascular endothelial growth factor therapy in cancer. *Life Sciences*, p.122499.
7. Alaa Eldeen, M., Mamdouh, F., Abdulsahib, W.K., Eid, R.A., Alhanshani, A.A., Shati, A.A., Alqahtani, Y.A., Alshehri, M.A., Samir A. Zaki, M., Soltan, M.A., **Noreldin, A.E.** Oncogenic Potential of Replication Factor C Subunit 4: Correlations with Tumor Progression and Assessment of Potential Inhibitors. *Pharmaceutics*, 2024, 17(2), 152. <https://doi.org/10.3390/ph17020152>.
8. Elmetwalli, A., Nageh, A., Youssef, A.I., Youssef, M., Ahmed, M.A.E.R., **Noreldin, A.E.** and El-Sewedy, T., 2023. Ammonia scavenger and glutamine synthetase inhibitors cocktail in targeting mTOR/ β -catenin and MMP-14 for nitrogen homeostasis and liver cancer. *Medical Oncology*, 41(1), p.38.
9. Soltan, M.A., Eldeen, M.A., Sajer, B.H., Abdelhameed, R.F.A., Al-Salmi, F.A., Fayad, E., Jafri, I., Ahmed, H.E.M., Eid, R.A., Hassan, H.M., Al-Shraim, M., Negm, A., **Noreldin, A.E.** and Darwish, K.M., 2023. Integration of Chemoinformatics and Multi-Omics Analysis Defines ECT2 as a Potential Target for Cancer Drug Therapy. *Biology*, [online] 12(4), p.613.
10. Metawea, O.R., Teleb, M., Haiba, N.S., Elzoghby, A.O., Khafaga, A.F., **Noreldin, A.E.**, Khattab, S.N. and Khalil, H.H., 2023. Folic acid-poly (N-isopropylacrylamide-maltodextrin) nanohydrogels as novel thermo-/pH-responsive polymer for resveratrol breast cancer targeted therapy. *European Polymer Journal*, 182, p.111721.
11. Khafaga, A.F., Barakat, A.E.M., **Noreldin, A.E.** and Johar, D., 2022. Beneficial Outcomes of Cancer Therapeutic Modalities Based on Targeting Apoptosis. *Current Drug Targets*, 23(10), pp.1002-1022.
12. Salah, M., Sallam, M.A., Abdelmoneem, M.A., Teleb, M., Elkhodairy, K.A., Bekhit, A.A., Khafaga, A.F., **Noreldin, A.E.**, Elzoghby, A.O., Khattab, S.N., 2022. Sequential Delivery of Novel Triple Drug Combination via Crosslinked Alginate/Lactoferrin Nanohybrids for Enhanced Breast Cancer Treatment. *Pharmaceutics*, 14(11):2404.
13. Atallah, M.A., Sallam, M.A., Abdelmoneem, M.A., Teleb, M., Elkhodairy, K.A., Bekhit, A.A., Khafaga, A.F., **Noreldin, A.E.**, Elzoghby, A.O. and Khattab, S.N., 2022. Green Self-assembled Lactoferrin Carboxymethyl Cellulose Nanogels for Synergistic Chemo/herbal Breast Cancer Therapy. *Colloids and Surfaces B: Biointerfaces*, p.112657.
14. El-Far, A.H., Godugu, K., **Noreldin, A.E.**, Saddiq, A.A., Almaghrabi, O.A., Al Jaouni, S.K. and Mousa, S.A., 2021. Thymoquinone and Costunolide Induce Apoptosis of Both Proliferative and Doxorubicin-Induced-Senescent Colon and Breast Cancer Cells. *Integrative Cancer Therapies*, 20, p.15347354211035450.
15. Khafaga, A.F., Shamma, R.N., Abdeen, A., Barakat, A.M., **Noreldin, A.E.**, Elzoghby, A.O. and Sallam, M.A., 2021. Celecoxib repurposing in cancer therapy: molecular mechanisms and nanomedicine-based delivery technologies. *Nanomedicine*, 16(19), pp.1691-1712.
16. Metawea, O.R., Abdelmoneem, M.A., Haiba, N.S., Khalil, H.H., Teleb, M., Elzoghby, A.O., Khafaga, A.F., **Noreldin, A.E.**, Albericio, F. and Khattab, S.N., 2021. A novel 'smart' PNIPAM-based copolymer for breast cancer targeted therapy: Synthesis, and characterization of dual pH/temperature-responsive lactoferrin-targeted PNIPAM-co-AA. *Colloids and Surfaces B: Biointerfaces*, 202, p.111694.
17. Omar, N.E., El-Fass, K.A., Abushouk, A.I., Elbaghdady, N., Barakat, A.E.M., **Noreldin, A.E.**, Johar, D., Yassin, M., Hamad, A., Elazzazy, S. and Dermime, S., 2020. Diagnosis and management of hematological adverse events induced by immune checkpoint inhibitors: a systematic review. *Frontiers in immunology*, 11, p.1354.

Senescence and Anti-aging natural bioactive compounds (2020 – Present):

1. Hafez, M.H., Elshafaei, H.E., Edres, H.A., Khafaga, A.F., **Noreldin, A.E.** and Esmail, K.A., 2025. Allicin Attenuates Age-Related Cognitive and Neural Decline in a Rat Model by Modulating Amyloid Burden and Regulating BDNF/Nrf2 Gene Expression. *Tissue and Cell*, p.103208.
2. El-Far, A.H., Elghaity, M.M., Mohamed, S.A., **Noreldin, A.E.**, Elewa, Y.H.A., Al Jaouni, S. and Alsenosy, A.A., Diosgenin Alleviates D-galactose-Induced Oxidative Stress in Rats' Brain and Liver Targeting Aging and Apoptotic Marker Genes. *Frontiers in Molecular Biosciences*, 11, p.1303379.

3. Saafan, S.M., Mohamed, S.A., **Noreldin, A.E.**, El Tedawy, F.A., Elewa, Y.H., Fadly, R.S., Al Jaouni, S.K., Ali, H. and Alsenosy, A.A., 2023. Rutin Attenuates D-galactose-Induced Oxidative Stress in Rats' Brain and Liver: Molecular Docking and Experimental Approaches. *Food & Function*.
4. El-Far, A.H., Mohamed, H.H., Elsabagh, D.A., Mohamed, S.A., **Noreldin, A.E.**, Al Jaouni, S.K. and Alsenosy, A.A., 2022. Eugenol and carvacrol attenuate brain d-galactose-induced aging-related oxidative alterations in rats. *Environmental Science and Pollution Research*, pp.1-12.
5. El-Far, A.H., Elewa, Y.H., Abdelfattah, E.Z.A., Alsenosy, A.W.A., Atta, M.S., Abou-Zeid, K.M., Al Jaouni, S.K., Mousa, S.A. and **Noreldin, A.E.**, 2021. Thymoquinone and Curcumin Defeat Aging-Associated Oxidative Alterations Induced by D-Galactose in Rats' Brain and Heart. *International journal of molecular sciences*, 22(13), p.6839.
6. Khafaga, A.F., Elewa, Y.H., Atta, M.S. and **Noreldin, A.E.**, 2021. Aging-Related Functional and Structural Changes in Renal Tissues: Lesson from a Camel Model. *Microscopy and Microanalysis*, pp.1-13.
7. El-Far, A.H., Lebda, M.A., **Noreldin, A.E.**, Atta, M.S., Elewa, Y.H., Elfeky, M. and Mousa, S.A., 2020. Quercetin attenuates pancreatic and renal d-galactose-induced aging-related oxidative alterations in rats. *International journal of molecular sciences*, 21(12), p.4348.
8. El-Naseery, N.I., Mousa, H.S., **Noreldin, A.E.**, Ali, H. and Elewa, Y.H., 2020. Aging-associated immunosenescence via alterations in splenic immune cell populations in rat. *Life sciences*, 241, p.117168.

Regenerative Medicine (2019 – Present):

1. Saadeldin, I.M., Ehab, S., **Noreldin, A.E.**, Swelum, A.A.A., Bang, S., Kim, H., Yoon, K.Y., Lee, S. and Cho, J., 2024. Current strategies using 3D organoids to establish in vitro maternal-embryonic interaction. *Journal of Veterinary Science*, 25(3).
2. Elkhateeb, O.M., Badawy, M.E., **Noreldin, A.E.**, Abou-Ahmed, H.M., El-Kammar, M.H. and Elkhenany, H.A., 2022. Comparative evaluation of propolis nanostructured lipid carriers and its crude extract for antioxidants, antimicrobial activity, and skin regeneration potential. *BMC complementary medicine and therapies*, 22(1), pp.1-13.
3. Saadeldin, I.M., Swelum, A.A.A., **Noreldin, A.E.**, Tukur, H.A., Abdelazim, A.M., Abomughaid, M.M. and Alowaimer, A.N., 2019. Isolation and culture of skin-derived differentiated and stem-like cells obtained from the Arabian camel (*Camelus dromedarius*). *Animals*, 9(6), p.378.

Environmental stressors and Anti-environmental stressors (2018 – Present):

1. **Noreldin, A.E.**, Shukry, M., Shehata, A.I., El Basuni, M.F. and Abdel-Latif, H.M., 2026. Effects of SiO₂NPs and CuONPs on the histoarchitecture and transcriptomic responses in the brain of Nile tilapia, *Oreochromis niloticus*. *Aquaculture*, p.743699.
2. Mohamed, A.A.R., Alotaibi, B.S., Abd El-Hakim, Y.M., Jafri, I., Abuzahrah, S.S., Khamis, T., **Noreldin, A.E.**, El-Far, A.H., Alsubaie, N., Bakhsh, W.K. and Elgamal, M., 2026. Polystyrene Microplastics Impact on Cardiac and Pulmonary Physiology and Microenvironment in a Mouse Model: Role of Taurine Supplementation and Molecular Docking Insights. *Tissue and Cell*, p.103313.
3. Alansari, W.S., El-Shetry, E.S., Alotaibi, B.S., Abd-Elhakim, Y.M., Mohamed, A.A.R., Said, E.N., **Noreldin, A.E.**, Khamis, T., Alsubaie, N. and Saleh, A.A., 2026. Taurine Mitigates Microplastic-Induced Neurotoxicity Through Modulation of Neurobehavior, Neurotransmitters, Oxidative Stress, and AKT-1/CREB-1/BDNF Signaling in Mice. *Molecular Neurobiology*, 63(1), p.415.
4. A Eskandrani, A., Abdel-Rahman Mohamed, A., Alotaibi, B., Abd-Elhakim, Y.M., Khamis, T., E, **Noreldin, A., E.**, Abdelhamid, A., Alsubaie, N. and Alqahtani, L., 2025. Palliative Effect of Taurine against Hepatic Injury Induced by Polystyrene Microplastics Through Antioxidant and Metabolic Pathway Modulation in Mice. *Frontiers in Pharmacology*, 16, p.1665161.
5. El-Kazaz, S.E.S., Hafez, M.H., **Noreldin, A.E.** and Khafaga, A.F., 2025. Lycopene alleviates cognitive dysfunctions in an Alzheimer's disease rat model via suppressing the oxidative and neuroinflammatory signaling. *Tissue and Cell*,

6. Albaqami, A., Alosaimi, M.E., Jafri, I., Mohamed, A.A.R., Abd El-Hakim, Y.M., Khamis, T., Elazab, S.T., **Noreldin, A.E.**, Elhamouly, M., Ali, H. and Eskandrani, A.A., 2024. Pulmonary damage induction upon Acrylamide exposure via activating miRNA-223-3p and miRNA-325-3p inflammasome/pyroptosis and fibrosis signaling pathway: New mechanistic approaches of A green-synthesized extract. *Toxicology*, p.153869.
7. Alqahtani, L.S., Alosaimi, M.E., Abdel-Rahman Mohamed, A., Abd-Elhakim, Y.M., Khamis, T., **Noreldin, A.E.**, El-Far, A.H., Alotaibi, B.S., Hakami, M.A., Dahran, N. and Babteen, N.A., 2024. Acrylamide-targeting renal miR- 21a- 5p/Fibrotic and miR122-5p/inflammatory signaling pathways and the role of a green approach for nano-zinc detected via in silico and in vivo approaches. *Frontiers in Pharmacology*, 15, p.1413844.
8. Sadek, K.M., Khalifa, N.E., Alshial, E.E., Abdelnour, S.A., Mohamed, A.A.R. and **Noreldin, A.E.**, 2024. Potential hazards of bisphenol A on the male reproductive system: Induction of programmed cell death in testicular cells. *Journal of Biochemical and Molecular Toxicology*, 38(9), p.e23844.
9. Abd-Elhakim, Y.M., Mohamed, A.A.R., **Noreldin, A.E.**, Khamis, T., Eskandrani, A.A., Shamlan, G., Alansari, W.S., Alotaibi, B.S., Alosaimi, M., Hakami, M.A. and Abuzahrah, S.S., 2024. Fenpropathrin provoked kidney damage via controlling the NLRP3/Caspase-1/GSDMD-mediated pyroptosis: The palliative role of curcumin-loaded chitosan nanoparticles. *Toxicology and Applied Pharmacology*, p.116869.
10. Mohamed, A.A.R., Abd El-Hakim, Y.M., **Noreldin, A.E.**, Khamis, T., Elhamouly, M., Akela, M.A., Alotaibi, B.S., Alosaimi, M., Khalil, S.S., El-Gamal, M. and Dahran, N., 2024. Understanding fenpropathrin-induced pulmonary toxicity: What apoptosis, inflammation, and pyroptosis reveal analyzing cross-links at the molecular, immunohistochemical, and immunofluorescent levels. *Food and Chemical Toxicology*, p.114520.
11. Khalifa, N.E., **Noreldin, A.E.**, Khafaga, A.F., El-Beskawy, M., Khalifa, E., El-Far, A.H., Fayed, A.H.A. and Zakaria, A., 2023. Chia seeds oil ameliorate chronic immobilization stress-induced neurodisturbance in rat brains via activation of the antioxidant/anti-inflammatory/antiapoptotic signaling pathways. *Scientific Reports*, 13(1), p.22409.
12. Algothmi, K.M., Mahasneh, Z.M., Abdelnour, S.A., Khalaf, Q.A., **Noreldin, A.E.**, Barkat, R.A., Khalifa, N.E., Khafaga, A.F., Tellez-Isaias, G., Alqhtani, A.H. and Swelum, A.A., 2024. Protective impacts of mitochondria enhancers against thermal stress in poultry. *Poultry Science*, 103(1), p.103218.
13. Altyar, A.E., Kensara, O.A., **Noreldin, A.E.**, Albadrani, G.M., El-Demerdash, F.M., Sayed, A.A., Piscopo, M., Mohammedsaleh, Z.M., Al-Ghadi, M.Q., Ghaboura, N. and Abdel-Daim, M.M., 2023. *Spirulina platensis* ameliorates hepatic oxidative stress and DNA damage induced by aflatoxin B1 in rats. *Toxicon*, p.107553.
14. Salem, G.A., Mohamed, A.A.R., Khater, S.I., **Noreldin, A.E.**, Alosaimi, M., Alansari, W.S., Shamlan, G., Eskandrani, A.A., Awad, M.M., El-Shaer, R.A.A. and Nassan, M.A., 2023. Enhancement of Biochemical and Genomic Pathways through Lycopene-Loaded Nano-Liposomes: Alleviating Insulin Resistance, Hepatic Steatosis, and Autophagy in Obese Rats with Non-Alcoholic Fatty Liver Disease: Involvement of SMO, GLI-1, and PTCH-1 Genes. *Gene*, p.147670.
15. Mostafa-Hedeab, G., Behairy, A., Abd-Elhakim, Y.M., Mohamed, A.A.R., **Noreldin, A.E.**, Dahran, N., Gaber, R.A., Alqahtani, L.S., Essawi, W.M., Eskandrani, A.A. and El-Shetry, E.S., 2023. Green Synthesized Zinc Oxide Nanoparticles Using Moringa olifera Ethanolic Extract Lessens Acrylamide-Induced Testicular Damage, Apoptosis, and Steroidogenesis-Related Gene Dysregulation in Adult Rats. *Antioxidants*, 12(2), p.361.
16. Dawood, M.A., **Noreldin, A.E.** and Sewilam, H., 2022. Blood biochemical variables, antioxidative status, and histological features of intestinal, gill, and liver tissues of African catfish (*Clarias gariepinus*) exposed to high salinity and high-temperature stress. *Environmental Science and Pollution Research*, pp.1-13.
17. Khafaga, A.F., El-Kazaz, S.E. and **Noreldin, A.E.**, 2021. *Boswellia serrata* suppress fipronil-induced neuronal necrosis and neurobehavioral alterations via promoted inhibition of oxidative/inflammatory/apoptotic pathways. *Science of The Total Environment*, 785, p.147384.
18. Wasef, L., Nassar, A.M., El-Sayed, Y.S., Samak, D., **Noreldin, A.**, Elshony, N., Saleh, H., Elewa, Y.H., Hassan, S.M., Saati, A.A. and Hetta, H.F., 2021. The potential ameliorative impacts of cerium oxide nanoparticles against fipronil-induced hepatic steatosis. *Scientific reports*, 11(1), pp.1-15.

19. Elshony, N., Nassar, A.M., El-Sayed, Y.S., Samak, D., **Noreldin, A.**, Wasef, L., Saleh, H., Elewa, Y.H., Tawfeek, S.E., Saati, A.A. and Batiha, G.E.S., 2021. Ameliorative Role of Cerium Oxide Nanoparticles Against Fipronil Impact on Brain Function, Oxidative Stress, and Apoptotic Cascades in Albino Rats. *Frontiers in Neuroscience*, 15.
20. Hussein, K., Abdelbaset, A. E., Sadek, A. A., & Noreldin, A., 2021. In vitro and in vivo Effects of a Single Dose of Bupivacaine 5% on Donkey Chondrocytes. *Frontiers in veterinary science*, 8, 661426.
21. Raza, S.H.A., Abdelnour, S.A., Dhshan, A.I., Hassanin, A.A., **Noreldin, A.E.**, Albadrani, G.M., Abdel-Daim, M.M., Cheng, G. and Zan, L., 2021. Potential role of specific microRNAs in the regulation of thermal stress response in livestock. *Journal of Thermal Biology*, p.102859.
22. Raz, S.H., Abdelnour, S.A., Alotaibi, M.A., AlGabbani, Q., Naiel, M.A., Shokrollahi, B., **Noreldin, A.E.**, Jahejo, A.R., Zhang, H., Alagawany, M. and Zan, L., 2021. MicroRNAs mediated environmental stress responses and toxicity signs in teleost fish species. *Aquaculture*, p.737310.
23. Dawood, M.A., **Noreldin, A.E.**, Ali, M.A. and Sewilam, H., 2021. Menthol essential oil is a practical choice for intensifying the production of Nile tilapia (*Oreochromis niloticus*): Effects on the growth and health performances. *Aquaculture*, p.737027.
24. Dawood, M.A., **Noreldin, A.E.** and Sewilam, H., 2021. Long term salinity disrupts the hepatic function, intestinal health, and gills antioxidative status in Nile tilapia stressed with hypoxia. *Ecotoxicology and Environmental Safety*, 220, p.112412.
25. Abdel-Latif, H.M., Dawood, M.A., Mahmoud, S.F., Shukry, M., **Noreldin, A.E.**, Ghetas, H.A. and Khallaf, M.A., 2021. Copper Oxide Nanoparticles Alter Serum Biochemical Indices, Induce Histopathological Alterations, and Modulate Transcription of Cytokines, HSP70, and Oxidative Stress Genes in *Oreochromis niloticus*. *Animals*, 11(3), p.652.
26. Abdel-Latif, H.M., Shukry, M., Euony, O.I.E., Mohamed Soliman, M., **Noreldin, A.E.**, Ghetas, H.A., Dawood, M.A. and Khallaf, M.A., 2021. Hazardous Effects of SiO₂ Nanoparticles on Liver and Kidney Functions, Histopathology Characteristics, and Transcriptomic Responses in Nile Tilapia (*Oreochromis niloticus*) Juveniles. *Biology*, 10(3), p.183.
27. Saleh, H., Nassar, A.M., **Noreldin, A.E.**, Samak, D., Elshony, N., Wasef, L., Elewa, Y.H., Hassan, S., Saati, A.A., Hetta, H.F. and Batiha, G.E.S., 2020. Chemo-protective potential of cerium oxide nanoparticles against fipronil-induced oxidative stress, apoptosis, inflammation and reproductive dysfunction in male white albino rats. *Molecules*, 25(15), p.3479.
28. Samak, D.H., El-Sayed, Y.S., Shaheen, H.M., Ali, H., Abd El-Hack, M.E., **Noreldin, A.E.**, El-Naggar, K., Abdelnour, S.A., Saied, E.M., El-Seedi, H.R. and Aleya, L., 2020. Developmental toxicity of carbon nanoparticles during embryogenesis in chicken. *Environmental Science and Pollution Research*, 27(16), pp.19058-19072.
29. Abdelnour, S.A., El-Hack, A., Mohamed, E., **Noreldin, A.E.**, Batiha, G.E., Beshbishy, A.M., Ohran, H., Khafaga, A.F., Othman, S.I., Allam, A.A. and Swelum, A.A., 2020. High salt diet affects the reproductive health in animals: an overview. *Animals*, 10(4), p.590.
30. Bin-Jumah, M., Abd El-Hack, M.E., Abdelnour, S.A., Hendy, Y.A., Ghanem, H.A., Alsafy, S.A., Khafaga, A.F., **Noreldin, A.E.**, Shaheen, H., Samak, D. and Momenah, M.A., 2020. Potential use of chromium to combat thermal stress in animals: A review. *Science of the Total Environment*, 707, p.135996.
31. Hassan, E., El-Neweshy, M., Hassan, M. and **Noreldin, A.**, 2019. Thymoquinone attenuates testicular and spermatotoxicity following subchronic lead exposure in male rats: Possible mechanisms are involved. *Life sciences*, 230, pp.132-140.
32. Khafaga, A.F., **Noreldin, A.E.** and Taha, A.E., 2019. The adaptogenic anti-ageing potential of resveratrol against heat stress-mediated liver injury in aged rats: Role of HSP70 and NF- κ B signalling. *Journal of thermal biology*, 83, pp.8-21.
33. Abdelnour, S.A., Abd El-Hack, M.E., Khafaga, A.F., Arif, M., Taha, A.E. and **Noreldin, A.E.**, 2019. Stress biomarkers and proteomics alteration to thermal stress in ruminants: A review. *Journal of thermal biology*, 79, pp.120-134.

34. Lebda, M.A., El-Far, A.H., **Noreldin, A.E.**, Elewa, Y.H., Al Jaouni, S.K. and Mousa, S.A., 2018. Protective effects of miswak (*Salvadora persica*) against experimentally induced gastric ulcers in rats. *Oxidative medicine and cellular longevity*, 2018.

Infectious agents and Anti-infectious agents (2020 – Present):

1. Geneedy, A.M., Abd El-Hamid, H.S., Ellakany, H.F., Elbestawy, A.R., Salaheldin, A.H., **Noreldin, A.E.**, Abd El-Aziz, A.H., El-Khyate, F. and Gado, A.R., 2025. Pathogenicity of FAdV-D serotype 2 in broiler and layer chicks. *Avian Pathology*, pp.1-13.
2. Elbestawy, A., Ellakany, H., Sedeik, M., Gado, A., Abdel-Latif, M., **Noreldin, A.**, Orabi, A., Radwan, I. and El-Ghany, W.A., 2023. Superior efficacy of apathogenic genotype I (V4) over lentogenic genotype II (LaSota) live vaccines against Newcastle disease virus genotype VII. 1.1 in pathogen-associated molecular pattern-H9N2 vaccinated broiler chickens. *Vaccines*, 11(11), p.1638.
3. Abd El-Ghany, W.A., Abdel-Latif, M.A., Hosny, F., Alatfeehy, N.M., **Noreldin, A.E.**, Quesnell, R.R., Chapman, R., Sakai, L. and Elbestawy, A.R., 2022. Comparative Efficacy of Postbiotic, Probiotic, and Antibiotic Against Necrotic Enteritis in Broiler Chickens. *Poultry Science*, p.101988.
4. Badr, Y., **Noreldin, A.E.**, Elewa, Y.H.A., Ahmed, M.S., Inoshima, Y., Baker, N.M., Aamer, W.N., Abas, O.M., Nayel, M., Rahman, M.M. and Elgendy, E., 2022. Cellular infiltration, cytokines, and histopathology of skin lesions associated with different clinical forms and stages of naturally occurring lumpy skin disease in cattle. *Comparative Immunology, Microbiology and Infectious Diseases*, 90, p.101894.
5. Shater, A.F., AlGabbani, Q., Mohammedsaleh, Z.M., Saleh, F.M., AbouLaila, M., **Noreldin, A.E.**, Raza, S.H.A., Ullah, H., Khan, R. and Menshawy, S., 2022. Expression of immune-related genes in parasite-infected *Tilapia nilotica* (*Oreochromis niloticus*) from Egypt and molecular characterization of the parasites. *Gene Reports*, 26, p.101451.
6. Abd El-Hack, M.E., El-Saadony, M.T., Alqhtani, A.H., Swelum, A.A., Salem, H.M., Elbestawy, A.R., **Noreldin, A.E.**, Babalghith, A.O., Khafage, A.F., Hassan, M.I. and El-Tarabily, K.A., 2022. The relationship among avian influenza, gut microbiota and chicken immunity: An updated overview. *Poultry Science*, p.102021.
7. Saghir, S.A.M., AlGabri, N.A., Alagawany, M.M., Attia, Y.A., Alyileili, S.R., Elnesr, S.S., Shafi, M.E., Al-Shargi, O.Y.A., Al-Balagi, N., Alwajeeh, A.S., Alsalahi, O.S.A., Patra, A.K., Khafaga, A.F., Negida, A., **Noreldin, A.**, Al-Amarat, W., Almainan, A.A., El-Tarabily, K.A., Abd El-Hack, M.E., 2021. Chloroquine and Hydroxychloroquine for the Prevention and Treatment of COVID-19: A Fiction, Hope or Hype? An Updated Review. *Therapeutics and clinical risk management* 17, 371-387.
8. Elbestawy, A.R., Ellakany, H.F., Abd El-Hamid, H.S., Gado, A.R., Geneedy, A.M., **Noreldin, A.E.**, Menshawy, S., El-Neweshy, M., El-Shall, N.A. and Salaheldin, A.H., 2021. Leucocytozoon caulleryi in Broiler Chicken Flocks: Clinical, Hematologic, Histopathologic, and Molecular Detection. *Avian diseases*, 65(3), pp.407-413.
9. Elbestawy, A.R., Ibrahim, M., Hammam, H., **Noreldin, A.E.**, Bahrawy, A.E. and Ellakany, H.F., 2020. Molecular Characterization of Fowl Adenovirus D Species in Broiler Chickens with Inclusion Body Hepatitis in Egypt. *Alexandria Journal for Veterinary Sciences*, 64(1).

Applied Histology in Nutrition of Domestic Animals (2018 – Present):

1. Abd El-Aziz, A., **Noreldin, A.**, Elbaz, A., Mishra, B., Buonaiuto, G. and El-Sabrou, K., 2025. Nano-Selenium as a Key Supplement in Rabbit Nutrition: Physiological and Productive Benefits-A Review. *Tropical Animal Science Journal*, 48(6), pp.481-491.
2. Dawood, M.A., El-Dahan, S., Elsaadawy, S., **Noreldin, A.E.** and Sewilam, H., 2025. Effects of dietary bile acid on the growth performance, intestinal health, blood biochemistry, and antioxidative response of Nile tilapia (*Oreochromis niloticus*) fed high-fat diets. *Aquaculture Reports*, 40, p.102605.
3. Abdel-Latif, M.A., El-Hamid, H.S.A., Emam, M., **Noreldin, A.**, Helmy, Y.A., El-Far, A.H. and Elbestawy, A.R., 2024. Dietary lysozyme and avilamycin modulate gut health, immunity, and growth rate in broilers. *BMC Veterinary Research*, 20(1), pp.1-11.

4. Abdel-Latif, H.M., Shukry, M., **Noreldin, A.E.**, Ahmed, H.A., El-Bahrawy, A., Ghetas, H.A. and Khalifa, E., 2022. Milk thistle (*Silybum marianum*) extract improves growth, immunity, serum biochemical indices, antioxidant state, hepatic histoarchitecture, and intestinal histomorphometry of striped catfish, *Pangasianodon hypophthalmus*. *Aquaculture*, p.738761.
5. Abdelnour, S.A., Sindi, R.A., Abd El-Hack, M.E., Khalifa, N.E., Khafaga, A.F., **Noreldin, A.E.**, Samir, H., Tufarelli, V., Losacco, C., Gamal, M. and Imam, M.S., Quercetin: Putative Effects on the Function of Cryopreserved Sperms in Domestic Animals. *Reproduction in Domestic Animals*.
6. Raza, S.H.A., Sameer, D.P., Wani, A.K., Mohamed, H.H., Khalifa, N.E., Almohaimeed, H.M., Alshanwani, A.R., Assiri, R., Aggad, W.S., **Noreldin, A.E.** and Abdelnour, S.A., 2022. Krüppel-like factors family regulation of adipogenic markers genes in bovine cattle adipogenesis. *Molecular and Cellular Probes*, p.101850.
7. Abd El-Hack, M.E., El-Saadony, M.T., Swelum, A.A., Arif, M., Abo Ghanima, M.M., Shukry, M., **Noreldin, A.**, Taha, A.E. and El-Tarabily, K.A., 2021. Curcumin, the active substance of turmeric: its effects on health and ways to improve its bioavailability. *Journal of the Science of Food and Agriculture*, 101(14), pp.5747-5762.
8. Aldal'in, H.K., Radhi, K.S., Alazragi, R., Abdelnour, S., Abukhalil, M.H., Askar, A.M., Khalifa, N.E., **Noreldin, A.E.**, Althunibat, O.Y., Arif, M. and Abd El-Hack, M.E., 2022. A review on the epigenetics modifications to nanomaterials in humans and animals: novel epigenetic regulator. *Annals of Animal Science*.
9. Saeed, M., Arain, M.A., Ali Fazlani, S., Marghazani, I.B., Umar, M., Soomro, J., Bhutto, Z.A., Soomro, F., **Noreldin, A.E.**, Abd El-Hack, M.E. and Elnesr, S.S., 2021. A comprehensive review on the health benefits and nutritional significance of fucoidan polysaccharide derived from brown seaweeds in human, animals and aquatic organisms. *Aquaculture Nutrition*, 27(3), pp.633-654.
10. Alagawany, M., Taha, A.E., **Noreldin, A.**, El-Tarabily, K.A. and Abd El-Hack, M.E., 2021. Nutritional applications of spirulina and chlorella in farmed fish: A review. *Aquaculture*, p.736841.
11. Alagawany, M., Elnesr, S.S., Farag, M.R., Abd El-Hack, M.E., Barkat, R.A., Gabr, A.A., Foda, M.A., **Noreldin, A.E.**, Khafaga, A.F., El-Sabrou, K. and Elwan, H.A., 2021. Potential role of important nutraceuticals in poultry performance and health-A comprehensive review. *Research in Veterinary Science*, 137, pp.9-29.
12. Ayyat, M.S., Al-Sagheer, A., **Noreldin, A.E.**, Abd El-Hack, M.E., Khafaga, A.F., Abdel-Latif, M.A., Swelum, A.A., Arif, M. and Salem, A.Z., 2021. Beneficial effects of rumen-protected methionine on nitrogen-use efficiency, histological parameters, productivity and reproductive performance of ruminants. *Animal biotechnology*, 32(1), pp.51-66.
13. Saeed, M., Khan, M.S., Kamboh, A.A., Alagawany, M., Khafaga, A.F., **Noreldin, A.E.**, Kumar, M., Safdar, M., Hussai, M., Abd El-Hack, M.E. and Chao, S., 2020. L-theanine: an astounding sui generis amino acid in poultry nutrition. *Poultry Science*.
14. El-Hack, A., Mohamed, E., Shafi, M.E., Alghamdi, W.Y., Abdelnour, S.A., Shehata, A.M., **Noreldin, A.E.**, Ashour, E.A., Swelum, A.A., Al-Sagan, A.A. and Alkhateeb, M., 2020. Black soldier fly (*Hermetia illucens*) Meal as a promising feed ingredient for poultry: A comprehensive review. *Agriculture*, 10(8), p.339.
15. Abo Ghanima, M.M., Abd El-Aziz, A.H., **Noreldin, A.E.**, Atta, M.S., Mousa, S.A. and El-Far, A.H., 2020. β -glucan administration improves growth performance and gut health in New Zealand White and APRI rabbits with different breed responses. *Plos one*, 15(6), p.e0234076.
16. Alagawany, M., Abd El-Hack, M.E., Farag, M.R., Shaheen, H.M., Abdel-Latif, M.A., **Noreldin, A.E.** and Khafaga, A.F., 2020. The applications of *Origanum vulgare* and its derivatives in human, ruminant and fish nutrition—a review. *Annals of Animal Science*, 20(2), pp.389-407.
17. Abd El-Hack, M.E., Elnesr, S.S., Alagawany, M., Gado, A., **Noreldin, A.E.** and Gabr, A.A., 2020. Impact of green tea (*Camellia sinensis*) and epigallocatechin gallate on poultry. *World's Poultry Science Journal*, 76(1), pp.49-63.
18. Abdelnour, S.A., El-Hack, A., Mohamed, E., Swelum, A.A.A., Saadeldin, I.M., **Noreldin, A.E.**, Khafaga, A.F., Al-Mutary, M.G., Arif, M. and Hussein, E.S.O., 2019. The usefulness of retinoic acid supplementation during in vitro oocyte maturation for the in vitro embryo production of livestock: a review. *Animals*, 9(8), p.561.
19. Abdelnour, S.A., Abd El-Hack, M.E., Khafaga, A.F., **Noreldin, A.E.**, Arif, M., Chaudhry, M.T., Losacco, C.,

- Abdeen, A. and Abdel-Daim, M.M., 2019. Impacts of rare earth elements on animal health and production: Highlights of cerium and lanthanum. *Science of the Total Environment*, 672, pp.1021-1032.
20. Abd El-Hack, M.E., Samak, D.H., **Noreldin, A.E.**, El-Naggar, K. and Abdo, M., 2018. Probiotics and plant-derived compounds as eco-friendly agents to inhibit microbial toxins in poultry feed: a comprehensive review. *Environmental science and pollution research international*, 25(32), pp.31971-31986.
 21. Alagawany, M., Abd El-Hack, M.E., Farag, M.R., Shaheen, H.M., Abdel-Latif, M.A., **Noreldin, A.E.** and Patra, A.K., 2018. The usefulness of oregano and its derivatives in poultry nutrition. *World's Poultry Science Journal*, 74(3), pp.463-474.
 22. Abd El-Hack, M.E., Chaudhry, M.T., Mahrose, K.M., **Noreldin, A.**, Emam, M. and Alagawany, M., 2018. The efficacy of using exogenous enzymes cocktail on production, egg quality, egg nutrients and blood metabolites of laying hens fed distiller's dried grains with solubles. *Journal of animal physiology and animal nutrition*, 102(2), pp.e726-e735.
 23. Saeed, M., Yatao, X., Hassan, F.U., Arain, M.A., El-Hack, A., Mohamed, E., **Noreldin, A.E.** and Sun, C., 2018. Influence of graded levels of l-theanine dietary supplementation on growth performance, carcass traits, meat quality, organs histomorphometry, blood chemistry and immune response of broiler chickens. *International journal of molecular sciences*, 19(2), p.462.
 24. Arif, M., Abd El-Hack, M.E., Rehman, A., Bashir, Z., Iqbal, Z., Emam, M., **Noreldin, A.** and Alagawany, M., 2018. Consequences of Partial Substitution of Starch with Fibre on Growth, Carcass Traits, Nutrient Digestibility and Blood Parameters in Growing Rabbits. *Animal Nutrition and Feed Technology*, 18(2), pp.233-242.
 25. Saeed, M., El-Hack, M.E.A., Arif, M., El-Hindawy, M.M., Attia, A.I., Mahrose, K.M., Bashir, I., Siyal, F.A., Arain, M.A., Fazlani, S.A., Hayat, K., Sun, C., **Noreldin, A.E.**, 2017. Impacts of distiller s dried grains with solubles as replacement of soybean meal plus vitamin E supplementation on production, egg quality and blood chemistry of laying hens. *Annals of Animal Science* 17, pp. 849 - 862.
 26. El-Far, A.H., Oyinloye, B.E., Sepehrimanesh, M., Allah, M.A.G., Abu-Reidah, I., Shaheen, H.M., Razeghian-Jahromi, I., **Noreldin, A.E.**, Al Jaouni, S.K. and Mousa, S.A., 2019. Date palm (*Phoenix dactylifera*): novel findings and future directions for food and drug discovery. *Current drug discovery technologies*, 16(1), pp.2-10.
 27. Naveed, M., BiBi, J., Kamboh, A.A., Suheryani, I., Kakar, I., Fazlani, S.A., FangFang, X., Yunjuan, L., Kakar, M.U., Abd El-Hack, M.E. and **Noreldin, A.E.**, 2018. Pharmacological values and therapeutic properties of black tea (*Camellia sinensis*): A comprehensive overview. *Biomedicine & Pharmacotherapy*, 100, pp.521-531.
 28. Abd El-Hack, M.E., Samak, D.H., **Noreldin, A.E.**, Arif, M., Yaqoob, H.S. and Swelum, A.A., 2018. Towards saving freshwater: halophytes as unconventional feedstuffs in livestock feed: a review. *Environmental science and pollution research international*, 25(15), pp.14397-14406.

Mitochondrial peptides and Osteogenesis (2016 – Present):

1. **Noreldin, A.E.**, Saadeldin, I.M., Khalifa, N.E. and Khafaga, A.F., 2022. Emerging Therapeutic Potential of Short Mitochondrial-produced Peptides for Anabolic Osteogenesis. *International Journal of Peptide Research and Therapeutics*, 28(1), pp.1-16.
2. **Noreldin, A.E.**, Gewaily, M.S., Saadeldin, I.M., Abomughaid, M.M., Khafaga, A.F. and Elewa, Y.H., 2021. Osteoblast-activating peptide exhibits a specific distribution pattern in mouse ovary and may regulate ovarian steroids and local calcium levels. *American journal of translational research*, 13(6), p.5796.
3. **Noreldin, A.E.**, Elewa, Y.H.A., Kon, Y., Warita, K. and Hosaka, Y.Z., 2018. Immunohistochemical localization of osteoblast activating peptide in the mouse kidney. *Acta histochemica*, 120(4), pp.323-328.
4. **Noreldin, A.E.**, Sogabe, M., Yamano, Y., Uehara, M., Mahdy, M.A., Elnasharty, M.A., Sayed-Ahmed, A., Warita, K. and Hosaka, Y.Z., 2016. Spatial distribution of osteoblast activating peptide in the rat stomach. *Acta histochemica*, 118(2), pp.109-117.

Functional Descriptive Histology in Domestic Animals (2012 – Present):

1. Alsafy, M.A., Abdellatif, I.A., El-Gendy, S.A., Abumandour, M.M., **Noreldin, A.** and Bassuoni, N.F., 2024. Analyzing the morphology and avian β -defensins genes (Av β D) expression in the small intestine of Cobb500 broiler chicks fed with sodium butyrate. *BMC Veterinary Research*, 20(1), p.434.
2. Aboelnour, A., Gewaily, M. S., and **Noreldin, A. E.**, 2024. Comparative light and scanning electron microscopic studies of the lenses in the insectivorous bat (*Pipistrellus kuhlii*) and Egyptian fruit bat (*Rousettus aegyptiacus*). *Microscopy Research and Technique*, 1–7.
3. Elarab, S.M.E., Alsafy, M.A., El-Gendy, S.A., El-Bakary, N.E., **Noreldin, A. E.** and Rashwan, A.M., 2024. Investigating the role of Purkinje fibers and synaptic connectivity in balance regulation through comprehensive ultrastructural and immunohistochemical analysis of the donkey's (*Equus asinus*) cerebellum. *Journal of Experimental Zoology Part A: Ecological and Integrative Physiology*.
4. Mahmoud, S.F., Elewa, Y.H., Nomir, A.G., Rashwan, A.M. and **Noreldin, A.E.**, 2023. Calbindin Has a Potential Spatiotemporal Correlation with Proliferation and Apoptosis in the Postnatal Rat Kidney. *Microscopy and Microanalysis*, 29(5), pp.1705-1717.
5. Gewaily, M.S., Abdallah, M.G., Khalifa, N.E., Habotta, O.A. and **Noreldin, A.E.**, 2023. Differential cellular localization of lectins in the testes of dromedary camel (*Camelus dromedarius*) during active and inactive breeding seasons. *BMC Veterinary Research*, 19(1), p.230.
6. Gewaily, M.S., Kassab, M., Aboelnour, A., Almadaly, E.A. and **Noreldin, A.E.**, 2021. Comparative Cellular Localization of Sugar Residues in Bull (*Bos taurus*) and Donkey (*Equus asinus*) Testes Using Lectin Histochemistry. *Microscopy and Microanalysis*, pp.1-10.
7. Gewaily, M.S., **Noreldin, A.E.**, Dawood, M.A., Hegazy, Y.M. and Kassab, M., 2021. The distribution profile of glycoconjugates in the testis of brown-banded bamboo shark (*Chiloscyllium punctatum*) by using lectin histochemistry. *Microscopy and Microanalysis*, 27(5), pp.1161-1173.
8. Alsanosy, A.A., **Noreldin, A.E.**, Elewa, Y.H., Mahmoud, S.F., Elnasharty, M.A. and Aboelnour, A., 2021. Comparative Features of the Upper Alimentary Tract in the Domestic Fowl (*Gallus gallus domesticus*) and Kestrel (*Falco tinnunculus*): A Morphological, Histochemical, and Scanning Electron Microscopic Study. *Microscopy and Microanalysis*, 27(1), pp.201-214.
9. Attaai, A.H., **Noreldin, A.E.**, Abdel-Maksoud, F.M. and Hussein, M.T., 2020. An updated investigation on the dromedary camel cerebellum (*Camelus dromedarius*) with special insight into the distribution of calcium-binding proteins. *Scientific reports*, 10(1), pp.1-17.
10. Aboelnour, A., **Noreldin, A.E.**, Massoud, D. and Abumandour, M.M., 2020. Retinal characterization in the eyes of two bats endemic in the Egyptian fauna, the Egyptian fruit bat (*Rousettus aegyptiacus*) and insectivorous bat (*Pipistrellus kuhlii*), using the light microscope and transmission electron microscope. *Microscopy Research and Technique*, 83(11), pp.1391-1400.
11. Haddad, S., **Noreldin, A.E.**, Kamal, B., Abdeen, A., Farouk, S.M., Abbott, L.C. and Abdo, M., 2019. Morphological and functional comparison of lingual papillae in suckling and adult feral cats: Forensic evidence. *Anatomia, histologia, embryologia*, 48(5), pp.404-414.
12. Elnasharty, M., El Sharaby, A. and **Nor El-din, A.**, 2013. Histogenesis of rabbit vallate papillae. *World Academy of Science, Engineering and Technology*, 76, pp.509-516.
13. **Nor Eldin, A.**, Elnasharty, M. and El-Sharaby, A., 2012. Some histological studies on the pre-and postnatal development of rabbit gustatory papillae by light and scanning microscopes. *Alexandria Journal of Veterinary Sciences*, 35(1), pp.65-80.

BOOKS AND BOOK CHAPTERS

1. **Noreldin, A.E.**, Khafaga, A.F., Barakat, R.A., 2021. Isolation and Characterization of Extracellular Vesicles: Classical and Modern Approaches, in: Alzahrani, F.A., Saadeldin, I.M. (Eds.), *Role of Exosomes in Biological Communication Systems*. Springer Singapore, Singapore, pp. 1-25.

2. Mahgoub, S.A., Alagawany, M., **Noreldin, A.E.**, Dupas, C., Adt, I., Metoyer, B., El Hatmi, H., Dumas, E., 2021. Natural Antimicrobial Molecules from *Opuntia* spp. and Their Role in Poultry Nutrition, in: Ramadan, M.F., Ayoub, T.E.M., Rohn, S. (Eds.), *Opuntia* spp.: Chemistry, Bioactivity and Industrial Applications. Springer International Publishing, Cham, pp. 399-410.
3. Khafaga, A.F., **Noreldin, A.E.**, Saadeldin, I.M., 2021. Role of HSP in the Pathogenesis of Age-Related Inflammatory Diseases, in: Asea, A.A.A., Kaur, P. (Eds.), *Heat Shock Proteins in Inflammatory Diseases*. Springer International Publishing, Cham, pp. 341-371.
4. **Noreldin, A.**, Abd El-Hack, M.E., Elnesr, S.S., Farag, M.R., Elwan, H.A.M., Alagawany, M., 2020. Moringa (*Moringa oleifera*) and its Role in Poultry Nutrition, in: Alagawany, M., Abd El-Hack, M.E. (Eds.), *Natural Feed Additives Used in the Poultry Industry*. Bentham Science Publishers, Sharjah, United Arab Emirates, pp. 176-190.
5. Bhutto, Z.A., Arain, M.A., Alagawany, M., Umar, M., Marghazani, I.B., Nasrullah, F.S., El-Hack, M.E.A., Saeed, M., Farag, M.R., **Noreldin, A.**, Dhama, K., 2020. Cassia Fistula: Potential Health-Promoting Candidate for Livestock and Poultry, in: Alagawany, M., Abd El-Hack, M.E. (Eds.), *Natural Feed Additives Used in the Poultry Industry*. Bentham Science Publishers, Sharjah, United Arab Emirates, pp. 154-175.
6. Aboelnour, A., **Noreldin, A.E.**, Saadeldin, I.M., 2019. Hsp90 Is a Pivotal Player in Retinal Disease and Cancer, in: Asea, A.A.A., Kaur, P. (Eds.), *Heat Shock Protein 90 in Human Diseases and Disorders*. Springer International Publishing, Cham, pp. 183-200.
7. Abd El-Hack, M.E., **Noreldin, A.E.**, Mahgoub, S.A., Arif, M., 2019. Ways to Minimize Nitrogen Emissions in Agricultural Farms, in: Negm, A.M., Abu-hashim, M. (Eds.), *Sustainability of Agricultural Environment in Egypt: Part II: Soil-Water-Plant Nexus*. Springer International Publishing, Cham, pp. 357-368.
8. Abd El-Hack, M.E., Alagawany, M., **Noreldin, A.E.**, 2019. Managerial and Nutritional Trends to Mitigate Heat Stress Risks in Poultry Farms, in: Negm, A.M., Abu-hashim, M. (Eds.), *Sustainability of Agricultural Environment in Egypt: Part II: Soil-Water-Plant Nexus*. Springer International Publishing, Cham, pp. 325-338.
9. **Nor Eldin, A.**, El Sharaby, A. and Elnasharty, M. (2013) *The Rabbit Gustatory Papillae: Embryological and Histological Aspects*. Saarbrücken: LAP LAMBERT Academic Publishing.

INTERNATIONAL CONFERENCES AND WORKSHOPS

1. Attendance of the “18th Breast Gynecological & Immuno-oncology International Cancer Conference” in Hilton Heliopolis Hotel, Cairo on January 22-23, 2026.
2. Attendance of the International Annual Conference of Egyptian Association for Cancer Research (EACR) in collaboration with City for Scientific Research and Technological Applications (SRTA-City) entitled “**A New Era in Translational Cancer Research and Biomedical Sciences: Impact on Society**” held on 8–9 Sep. 2025, New Borg El-Arab, Alexandria, Egypt.
3. Attendance of the “**16th Breast Gynecological & Immuno-oncology International Cancer Conference**” in Hilton Heliopolis Hotel, Cairo on January 18-19, 2024.
4. Attendance of the “**Technological Frontiers of Biomedical Research Conference**” in Children’s Cancer Hospital Egypt 57357 on May 12, 2023.
5. Attendance of the “**15th Breast Gynecological & Immuno-oncology International Cancer Conference**” in JW Marriott Hotel, Cairo on January 19-20, 2023.
6. The Summer School on “**Regenerative Medicine and Tissue Engineering in Veterinary Medicine**” by CDCE Alexandria University, The Academy of Scientific Research & Technology and VRMJR. The school consisted of eight sessions provided online during August and September 2021.
7. Participation in the **August 2021 IBRO-MENA/ISN Bridging the Disparity Gap in Genetic Research of Parkinson’s Disease and Neurodegenerative Conditions** by Neuroscience School
8. Badr Yassien, El-Neweshy Mahmoud S., Elewa Yaser Hosny Ali, **Noreldin A.E.**, Aamer Waleed, Inoshima Yasuo. **Histopathological Changes and Cellular Response in Skin Lesions Associated with Naturally Occurring Lumpy**

- Skin Disease.** I2-4. The 8th Sapporo Summer Symposium for One health (SaSSOH), Hokkaido University, Sapporo city, Japan. September 16-17, 2020 (organized online via Webex).
9. The 42nd scientific conference of the Egyptian Society of Histology and Cytology held in Ain Shams University on December 27th, 2018.
 10. The 41st international conference of Medical Histology and Cell biology (**Regenerative Medicine and Cell Transplantation**) was held at Faculty of Medicine, Cairo University on December 28th, 2017.
 11. The 40th annual international conference of the Egyptian Society of Histology and Cytology held in Faculty of Medicine, Kafrelsheikh University on December 29th, 2016.
 12. The scientific training course on Real time PCR in Faculty of Veterinary Medicine, Kafrelsheikh University on November 20-22nd, 2012.
 13. The 34th scientific conference of the Egyptian Society of Histology and Cytology held in Faculty of Medicine, Menofia University on December 30th, 2010.
 14. The 32nd scientific conference of the Egyptian Society of Histology and Cytology held in Zagazig University on December 25th, 2008.

VERIFIED PEER REVIEWS

1. ACS Applied Nano Materials - **AMER CHEMICAL SOC** (1 review).
2. ACS Applied Polymer Materials - **AMER CHEMICAL SOC** (1 review).
3. Advanced Science - **WILEY** (1 review).
4. Agriculture - **MDPI** (1 review).
5. AMB Express - **SPRINGER** (1 review).
6. Anatomia, Histologia, Embrologica - **WILEY** (1 review).
7. Andrologia - **WILEY** (1 review).
8. Animal Biotechnology - **TAYLOR & FRACIS** (19 reviews).
9. Antioxidant - **MDPI** (2 reviews).
10. Aquaculture reports - **ELSEIVIER** (4 reviews).
11. Archiv der Pharmazie - **WILEY** (1 review).
12. Artificial Cells, Nanomedicine, and Biotechnology - **TAYLOR & FRACIS** (1 reviews).
13. Biomaterials - **ELSEIVIER** (2 reviews).
14. Biomedicines - **MDPI** (4 reviews).
15. BMC Veterinary Research - **BMC** (8 review).
16. Cancers - **MDPI** (38 reviews).
17. Cancer Treatment and Research Communications - **ELSEIVIER** (2 reviews).
18. Cells - **MDPI** (11 reviews).
19. Communications Biology - **NATURE PORTFOLIO** (1 reviews).
20. Critical Reviews in Environmental Science and Technology - **TAYLOR & FRACIS** (1 review).
21. Current issues in molecular biology – **MDPI** (1 review).
22. Ecotoxicology and Environmental Safety - **ELSEIVIER** (5 reviews).
23. Environment International - **ELSEIVIER** (3 reviews).
24. Environmental Science and Pollution Research - **SPRINGER** (86 reviews).
25. European Journal of Pharmacology - **ELSEIVIER** (1 reviews).
26. European Journal of Surgical Oncology - **ELSEIVIER** (1 reviews).
27. Evidence-based Complementary and Alternative Medicine - **HINDAWI** (11 reviews).
28. Experimental Gerontology - **ELSEIVIER** (1 reviews).
29. Food Science and nutrition - **WILEY** (3 review).
30. Food Bioscience - **ELSEIVIER** (2 reviews).

31. Frontiers in Cell and Developmental Biology - **FRONTIERS** (2 review).
32. Frontiers in Endocrinology - **FRONTIERS** (3 review).
33. Frontiers in Genetics- **FRONTIERS** (1 review).
34. Frontiers in Immunology - **FRONTIERS** (4 review).
35. Frontiers in Medicine - **FRONTIERS** (2 review).
36. Frontiers in Molecular Biosciences - **FRONTIERS** (2 review).
37. Frontiers in Nutrition - **FRONTIERS** (1 review).
38. Frontiers in Pharmacology - **FRONTIERS** (4 reviews).
39. Frontiers in Physiology - **FRONTIERS** (2 review).
40. Frontiers in Veterinary Medicine - **FRONTIERS** (5 reviews).
41. International Journal of Biological Macromolecules - **ELSEIVIER** (2 reviews).
42. International Journal of Molecular Sciences - **MDPI** (17 reviews).
43. International Journal of Nanomedicine - **DOVE MEDICAL PRESS LTD** (1 review).
44. Journal of Experimental Zoology Part A-Ecological and Integrative Physiology - **WILEY** (1 review).
45. Journal of Inflammation Research - **DOVE MEDICAL PRESS LTD** (1 review).
46. Journal of Toxicology - **HINDAWI** (1 review).
47. Life Sciences - **ELSEIVIER** (1 review).
48. MedComm - **WILEY** (1 review).
49. Microorganisms – **MDPI** (1 review).
50. Microscopy and Microanalysis - **CAMBRIDGE UNIV PRESS** (8 reviews).
51. Molecules - **MDPI** (3 reviews).
52. Nutrition Research - **ELSEIVIER** (1 review).
53. Science of Total Environment - **ELSEIVIER** (9 reviews).
54. Seminars in Cancer Biology - **ELSEIVIER** (4 reviews).
55. Sustainability – **MDPI** (3 reviews).
56. Tissue and Cell - **ELSEIVIER** (1 reviews).
57. Tissue Barriers - **TAYLOR & FRACIS** (1 reviews).
58. The World Journal of Biological Psychiatry - **TAYLOR & FRACIS** (1 reviews).
59. Vaccines - **MDPI** (1 review).
60. Veterinary Sciences – **MDPI** (1 review).

VERIFIED EDITOR RECORDS

1. Frontiers in Endocrinology - **FRONTIERS** (1 editing).
2. Frontiers in Genetics - **FRONTIERS** (1 editing).
3. Frontiers in Pharmacology - **FRONTIERS** (1 editing).
4. Frontiers in Toxicology- **FRONTIERS** (1 editing).

LANGUAGES

Arabic (Native), English (fluent, professional reading and writing), French (beginner level), Japanese (beginner level), and Korean (beginner level).

REFERENCES

Ahmed Elzoghby, M.Sc., Ph.D.

Laboratory of Nanomedicine, Brigham and Women's Hospital Harvard Medical School

65 Landsdowne Street, PRB-317 Cambridge MA 02139

Tel: +1 (781) 366-8703

Email: aelzoghby@bwh.harvard.edu

Islam M. Saadeldin

Lab of Theriogenology

College of Veterinary Medicine,

Chungnam National University, South Korea

Email: islamms@cnu.ac.kr

Goo Jang

Lab of Theriogenology

College of Veterinary Medicine,

Seoul National University, South Korea

Office +82-2-880-1280

Email: snujang@snu.ac.kr

Masayuki Shimada, Ph.D. (Veterinary Medicine)

Hiroshima University

Graduate School of Integrated Sciences for Life

Dean, Faculty of Applied Biological Science

Professor (DP)

Address: 1-4-4 Kagamiyama, Higashihiroshima, Hiroshima 739-8528, Japan

Tel/Fax: +81-82-424-7899

Email: mashimad@hiroshima-u.ac.jp