

CURRICULUM VITAE

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Education

- 1- **B.Sc. In Zoology**. Department of Zoology, Faculty of Science, Ain Shams University. 1996.
- 2- **M.Sc. In Zoology**, Department of Zoology, Faculty of Science, Helwan University. 1999. Title "Changes in some biochemical parameters in whole body gamma irradiated albino rats treated with a pharmacological agent".
- 3- **Diploma in Molecular Biology**. Córdoba University, Spain 2000. Title "Defenses against oxidative stress in *Escherichia coli*"
- 4- **Ph.D.** Physiology from Department of Biochemistry and Molecular Biology (Spain 17/1/2003, Egypt 5/7/2003). Córdoba University, Spain. Title "Role of Transcription Factor (NF- κ B) Activation in the Protection by Prostaglandin E₁ from Apoptosis and Necrosis Induced by D-Galactosamine in Primary Culture of Rat Hepatocytes".

List of publications:

1. **Fouad D**, Elnagar DM, Eid G, Shuker E. Hepatoprotective activity of raspberry ketone against streptozotocin-induced type 2 diabetes in male rats. PLoS One. Q2, IF2.6 2025 Jun 9;20(6):e0324940. Q1 <https://doi.org/10.1371/journal.pone.0324940>
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4. Rahman A, Bhat AH, Imran Z, Chaubey C, **Fouad D**, Pundir G. (2025). Redescription of *Laimydrus siddiqii* Baqri & Jana, 1982 (Dorylaimida: Dorylaimidae) with its first molecular study. *Helminthologia*. <https://doi.org/10.2478/helm-2025-0006>,

5. Yousuf M, Chand G, Sharma N, Bhat ZA, Sheikh ZN, **Fouad D**, Ataya FS. Assessing the impact of various nanoparticles on physiological parameters of in vitro generated broccoli (Brassica oleracea var. italica) plants. *Plant Cell, Tissue and Organ Culture (PCTOC)*. **161**, 76 (2025). <https://doi.org/10.1007/s11240-025-03100-8>
6. Kumar S, Sharma R, Jaryal VB, Awasthi A, Singh K, **Fouad D**, Gupta N, Singh D. Hydrothermal engineering of WS₂/N-rGO heterostructure as an efficient electrochemical sensor for the detection of dopamine. *Microchemical Journal*. 2025 Apr 23:113733. <https://doi.org/10.1016/j.microc.2025.113733>
7. Yousaf H, Qadeer A, Sohail M, Farooq M, Khan Z, **Fouad D**, Liu YC, Chen CC. Knowledge, Attitude, and Perception of Pakistani Populations Toward Monkeypox: A Cross-Section Study. *Frontiers in Cellular and Infection Microbiology*.;14:1449096. doi: <https://doi.org/10.3389/fcimb.2024.1449096>
8. Lashari MH, Abdullah A, Nazir F, Iqbal A, Afzal MA, Farooq U, Idris M, Khan MA, Shahzad F, Azam M, Shahzad KA, **Fouad D**, Ataya FS, Nasreen S. A preliminary study on digital quantification of ocular attributes in cattle as potential non-invasive indicators of anemia. *BMC Veterinary Research* (2025) 21:175 <https://doi.org/10.1186/s12917-025-04618-x>
9. Zia T, Liaqat I, Shahzad KA, Lashari MH, **Fouad D**, Ataya FS, Alam S, Saeed A. Ameliorative effect of Fagonia indica-coated chitosan nanoparticles on the ovulatory pattern in PCOS rat model. *Journal of Ovarian Research*. 18: 44
10. Saeed S, Afzal G, Ali HM, Hussain R, Jabeen R, Kiran S, Iqbal R, Alam S, Jalal A, Nisa ZU, **Fouad D**, Ataya FS, Li K. Patho-physiological effects of environmental relevant concentrations of lufenuron in male Japanese quails. *Environmental Research*. 2025 Feb 21:121203.
11. Shah AU, Ali Khan J, Avais M, Zaman SH, Munir Z, Abbas S, Tariq M, Rahman MU, Tariq F, Nawaz S, **Fouad D**, Anjum AA, Ahmed QI. Prevalence and Chemotherapy of Staphylococcus aureus Mastitis in Dairy Cattle" *PLoS One*. 2025 Feb 13;20(2):e0315480.
12. Naz S, Ullah Q, **Fouad D**, Qadeer A, Lateef M, Hassan MW, Chatha AMM (2025)/ Trace elements in fish species from the Punjnad headworks: Bioaccumulation and human health risk assessment. *Plos One* 20(1): e0310744.
13. Qiu R, Pan C, Qin Y, Wei Q, Yu Y, Zhang Y, Xie X, Li J, Chen S, Li K, **Fouad D**, Wu Y and Zhong Q. Polygonatum kingianum polysaccharide alleviated intestinal injuries by mediating antioxidant ability and microbiota. *Frontiers in Microbiology*.;16:1492710.
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15. Jindal A, Bhat AH, Raja V, Ahmad SS, Hussain MA, Ataya FS, **Fouad D**. Eco-friendly synthesis of zinc oxide nanoparticles from Achillea millefolium: Multifunctional applications in plant growth and nematode control. *Physiological and Molecular Plant Pathology*. 2025, 136: 102590
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22. Buzdar JA, Shah QA, Khan MZ, Zaheer A, Shah T, Ataya FS, **Fouad D**. Hepatoprotective Effects of Olive Leaf Extract Against Carbon Tetrachloride-Induced Oxidative Stress: In vivo and In-silico Insights into the Nrf2-NFkB Pathway. *Journal of Molecular Histology*. 2025, 56:42
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- biochemistry, and immune response of broiler chickens. *Brazilian Journal of Poultry Science*. 2024 Jun 10;26(01):eRBCA-2023.1853
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 43. Ullah S, Halim SA, Ibrar A, Khan I, Ataya FS, **Fouad D**, Batiha GE, Khan A, Al-Harrasi A. Urease inhibitory potential of pyridine-containing triazolothiadiazole and triazolothiadiazine scaffolds for the treatment of ulceration and kidney stone: In vitro screening, kinetics mechanism and in silico computational analysis. *Journal of Biomolecular Structure & Dynamics*. Dec 28:1- 10. <https://doi.org/10.1080/07391102.2023.2291542>. PMID: 38153364 (Impact factor 3.31, Q2), ISSN: 0739-1102
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 47. Li L, Tu Y, Dai X, Xiao S, Tang Z, Wu Y, Fouad D, Ataya FS, Mehmood K, Li K. The effect of *Abrus cantoniensis* Hance on liver damage in mice. *Ecotoxicology and Environmental Safety*. 2023 Nov 1;266:115560. <https://doi.org/10.1016/j.ecoenv.2023.115560> Q1, IF 6.8.
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