

CURRICULUM VITAE

PERSONAL DATA

Name	Ashraf Ahmed Attia Qurtam
Nationality	Egyptian
Position	Associate Professor
E-Mail	aaqurtam@imamu.edu.sa
Phone	0112594073

EDUCATION

Year	Academic Degree	Institution
2003 - 2006	Lecturer	College of Science Derna branch Omar-El-Mukhtar University-Libya
2008 - 2009	Lecturer	Teaching College Riyadh City – Saudi Arabia - King Saud University
2009 – 2013	Assistant prof.	College of Science Omar-El-Mukhtar University-Libya
2013 – 2014	Assistant prof.	Al Ghad College for Applied Medical Science Riyadh City – Saudi Arabia
2015 -2024	Assistant prof.	College of science- IMSIU University- Riyadh City – Saudi Arabia
2025 up till now	Associate prof.	College of science- IMSIU University- Riyadh City – Saudi Arabia

WORK EXPERIENCE

Period	Position	Address
1991 — 1994	Medical analysis specialist	Blood Bank- in an International Al-Salam Hospital-Cairo Egypt
1994 – 2003	Medical analysis specialist	Cairo medical laboratory - Cairo - Egypt

RESEARCH INTERESTS

Fighting incurable and chronic diseases and improving public health by using medicinal plants and nanoparticles through physiological and molecular biology measurements in cell cultures and animal models.

PUBLICATIONS

1. O Abdel-Ghaffar and **AA Qurtam** , Parasitological, hematological and biochemical assessment of the efficacy of RO 15-5458 against the Egyptian strain of *Schistosoma mansoni* in mice, Journal of Egyptian German Society of Zoology , 36 (A), (2001) 571-604.
2. MFM Soliman, O Abdel-Ghaffar, **AA Qurtam**, SA Ahmed, et al., Intestinal *Schistosoma mansoni* infection causing diffuse enteric inflammation and damage of the enteric nervous system in the mouse small intestine, Pakistan Journal of Biological Sciences, Vol. 6 (10), (2001) 571-603
3. **AA Qurtam**, S Alkahtani, FMA Tarboush, SA Alarifi and A Al-Qahtani , Effect of the antioxidant Butylated hydroxytoluene on the Genotoxicity and Cytotoxicity Induced in Mice by Sodium arsenite, Journal of Biological Science, Vol. 9(5), (2009) 413 – 422
4. S Alkahtani, SA Alarifi, S Alkahtani, FMA Tarboush, A Al-Qahtani ,**AA Qurtam et al.**,Long-term low-dose arsenic exposure induces loss of DNA methylation, Journal of Biological Sciences, Vol. 9 (7), (2009) 554-564
5. **AA Qurtam** , S Alkahtani, FMA Tarboush, et al., Evaluation of cultured, precision-cut rat liver slices as a model to study drug-induced liver apoptosis, Journal of Biological Sciences, Vol. 9 (5), (2009) pp: 275-306
6. Al-Eissa M S., Mohamed Abd El Kader sandouka, Saad Hussein Alkahtani and **Ashraf Ahmed Qurtam** ,Reproductive characteristics of The Arabian Sand Gazelles (*Gazella subgutturosa marica*), Journal of Agricultural science, Vol. 9(1a) ,(2009) 70-80
7. **AA Qurtam** , Association between Blood groups / Rhesus factor and diabetic incidence of male in Al-Jabal Al-AKhadar in Libya"J.Food and Dairy Sci., Mansoura Uni.,Vol.4(5), (2013) 217-222
8. **AA Qurtam** , Interrelation between blood groups/ rhesus factor and diabetic incidence of female in Al-Jabal Alakhdar in Libya, J. Food and Dairy Sci., Mansoura Uni.,Vol.4(8), (2013) 423-431
9. A.M. Rizk1, Osama A. El-Sayed, **A.A. Qurtam**, W.H. Alkilani and M.S. Ahmed, Immunoglobulin IgG Transfer From Dams To Their Egg Yolks And Chicks In Some Local Developed Egyptian Strains, Egypt. Poult. Sci. Vol. (38)(IV): (1141-1154) (2018), <http://www.epsj.journals.ekb.eg/ISSN: 1110-5623> (Print) – 2090-0570 (Online)
10. Amel I Othman and **AA. Qurtam**, Immunohistochemical and Histopathological alterations in the gastric mucosa of rats treated with ketorolac and warfarin, Portugal -Ciência e Técnica Vitivinícola Journal Vol. 34 (3), (2019) pp 146 – 166
11. Abuoghaba AA, Ezzat W, Rizk AM , **AA Qurtam** and El-Sayed OA, A Comparative Study of Productive Performance and Immune Responses for Some Developed Egyptian Chicken Strains, Symbiosis-SOJ Veterinary Sciences, Vol.5 (1), 2019 pp. 3-7
12. Mohammed Al-zharani1 & **Ashraf Ahmed Qurtam(AA Qurtam)** & Walid Mohamed Daoush & Mohamed Hassan Eisa &Nada Hamad Aljarba & Saad Alkahtani & Fahd A. Nasr, Antitumor effect of copper nanoparticles on human breast and colon malignancies, Environmental Science and Pollution Research, Vol. 28 ,(2021) pp:1587–1595
13. Osama El-Sayed, Ahmed Abuoghaba , Waheed Ezzat , Ahmed Rizk , **A A Qurtam**, Egg production, fertility, hatchability and immune responses of some chicken strains under high ambient temperatures” , Journal Animal Physiology and Animal Nutrition, Vol.105 (4) ,2021 pp: 725-730, <https://doi.org/10.1111/jpn.13482>
14. M. E. Alia , A. A. Alfakia , A. S. Mohammed , H. H. Abuelhassanb , **A. A. Qurtam**, Kh. M.

- Haround , M. H. Eisaa, Synthesis and characterization of carbon nanotubes incorporated with MgO nanoparticles, Journal of Ovonic Research, Vol. 17, No. 5, September - October 2021, p. 429 – 435
15. Khadija El Ouahdani , Imane Es-safi , Hamza Mechchate , Mohammed Al-zahrani , **Ashraf Ahmed Qurtam** , Mohammed Aleissa , Amina Bari and Dalila Bousta, Thymus algeriensis and Artemisia herba-alba Essential Oils: Chemical Analysis, Antioxidant Potential and In Vivo Anti-Inflammatory, Analgesic Activities, and Acute Toxicity, Molecules 2021, 26, 6780
 16. **Ashraf Ahmed Qurtam** , Hamza Mechchate, Imane Es-safi , Mohammed Al-zahrani , Fahd A. Nasr , Omar M. Noman , Mohammed Aleissa , Hamada Imtara , Abdul Malik M. Aleissa , Mohamed Bouhrim and Ali S. Alqahtani , Citrus Flavanone Narirutin, In Vitro and In Silico Mechanistic Antidiabetic Potential, Pharmaceutics 2021, 13, 1818
 17. Fatima zahrae Radi, Mohamed Bouhrim , Hamza Mechchate , Mohammed Al-zahrani , **Ashraf Ahmed Qurtam** , Abdul Malik M. Aleissa , Aziz Drioiche , Nadia Handaq and Touriya Zair , Phytochemical Analysis, Antimicrobial and Antioxidant Properties of Thymus zygis L. and Thymus wilddenowii Boiss. Essential Oils, Plants 2022, 11, 15.
 18. Naima Mammate, Fatima Ezzahra El oumari, Hamada Imtara, Salim Belchkar, Ghita Benjelloun Touimi, Mohammed Al-Zharani, Hassan A. Rudayni, **Ashraf Ahmed Qurtam**, Mohammed S. Aleissa, Fahd A. Nasr, Omar M. Noman and Tarik Sqalli Houssaini , Anti-Struvite, Antimicrobial, and Anti-Inflammatory Activities of Aqueous and Ethanolic Extracts of Saussurea costus (Falc) Lipsch Asteraceae, Molecules 2023, 28(2), 667; <https://doi.org/10.3390/molecules28020667>.
 19. Imen Bouzidi, Karine Mougine, Hamouda Beyrem, Mohammed I Alghonaim, Sulaiman A Alsalamah, **Ashraf A Qurtam**, Ezzeddine Mahmoudi, Fehmi Boufahja, Badreddine Sellami, Physiological Impairment and Biochemical Modifications Induced by Triclosan in Mediterranean Mussels, Animals 2023,13(4),583.
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 31. **AA Qurtam** AND FA Nasr, Apoptotic and anti-migratory effects of *Achillea millefolium* dichloromethane extract on MDA-MB-231 human breast cancer cells. Journal of Animal and Feed Sciences.2024; 33(4), 469–477, <https://doi.org/10.22358/jafs/187176/2024>
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 35. Madhankumar Somasundaram, Asmatanzeem Bepari, Syed Arif Hussain, Lina M Alneghery, Mohammed Al-Zharani, Fahd A Nasr, **Ashraf Ahmed Qurtam**, Paulpandi Manickam, Shaik Kalimulla Niazi, Synthesis, characterization of polyphenol flavonoid silymarin encapsulated carbon quantum dots (SL-CQDs) and its anticancer, antibacterial potential in in Vitro. Journal of Inorganic and Organometallic Polymers and Materials.2024:1-13. <https://doi.org/10.1007/s10904-024-03383-y>

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37. Nada H Aljarba, **Ashraf Ahmed Qurtam**, Mohammed Al-Zharani, Walid Mohamed Daoush, Ahmad AlHarb, Nouf M Alyami, Saad Alkahtani, Fahd A Nasr, Mariam Abdulaziz Alkhatee, Novel synthesis of CNTs/Cu nanodots-arabic gum nano-hybrid composites induce cytotoxicity and apoptosis in human breast and lung cancer cell lines. *J. Mater. Res.* 2025 ;**40**, 1009–1024 <https://doi.org/10.1557/s43578-025-01552-4>
38. Madhankumar Somasundaram, Asmatanzeem Bepari, Syed Arif Hussain, Lina M Alneghery, Mohammed Al-Zharani, Fahd A Nasr, **Ashraf Ahmed Qurtam**, Paulpandi Manickam, Shaik Kalimulla Niazi, Synthesis, characterization of polyphenolic flavonoid silymarin encapsulated carbon quantum dots (SL-CQDs) and its anticancer, antibacterial potential in in Vitro. *J Inorg Organomet Polym* 2025;**35** (3), 1627–1639. <https://doi.org/10.1007/s10904-024-03383-y>
39. **Ashraf Ahmed Qurtam**, Epigenetic reprogramming in breast cancer: The role of CRISPR-Cas 9. *Bulletin du Cancer*, 2025; 112(7–8), 732-745. <https://doi.org/10.1016/j.bulcan.2025.03.007>
40. Amal Elrherabi, Fahd A Nasr, Ayoub Farihi, Mohamed Bouhrim, El Hassania Loukili, Mounia Driouech, Nour elhouda Daoudi, Mohammed Al-zharani, **Ashraf Ahmed Qurtam**, Mohamed Bnouham ,Therapeutic Potential of Lavandula stoechas Aqueous Extract in Managing Diabetes and Its Complications: Insights From Biochemical and In Silico Studies. *Food Science & Nutrition*, 2025; 13(6), e70469. <https://doi.org/10.1002/fsn3.70469>
41. Faten H Damag, Ashraf A Qurtam, Mohammed Almalahi, Khaled Aldwoah, Mohamed Adel, Alaa M Abd El-Latif, El Hassan. A Comparative Analysis of Harmonic Mean, Holling Type II, Beddington–DeAngelis, and Crowley–Martin Incidence Rates of a Piecewise Dengue Fever Dynamics Model. *Fractal Fract.* **2025**, 9(7), 400; <https://doi.org/10.3390/fractalfract9070400>
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43. FA Nasr, AA Qurtam, Efficacy of levamisole-loaded nanoparticles in the treatment of *Trichinella spiralis* infection in mice. *Arq. Bras. Med. Vet. Zootec.* 2025; 77 (04) e13440 • <https://doi.org/10.1590/1678-4162-13440>
44. Abdessadek Rahimi, Oussama Khibech, Abdessamad Benabbou, Mohammed Merzouki, Mohamed Bouhrim, Mohammed Al-Zharani, Fahd A Nasr, **Ashraf Ahmed Qurtam**, Said Abadi, Allal Challioui, Mostafa Mimouni, Maarouf Elbekay ,ADMET-Guided Docking and GROMACS Molecular Dynamics of Ziziphus lotus Phytochemicals Uncover Mutation-Agnostic Allosteric Stabilisers of the KRAS Switch-I/II Groove. *Pharmaceuticals*, 2025; 18(8), 1110. <https://doi.org/10.3390/ph18081110>
45. Chaimae El-Rhouttais, Kaoutar Elfazazi, Zahra El Kettabi, Salah Laaraj, Mourad Elgoulli, Mohammed Al-Zharani, Fahd A Nasr, **Ashraf Ahmed Qurtam**, Yassine Bouslihim, Souad Salmaoui Effect of Xanthan gum-based edible coating enriched with cloves and cinnamon for extending the shelf-life of pomegranate fruit during cold storage, *Sci Rep* 2025; **15**, 31518. <https://doi.org/10.1038/s41598-025-15467-x>
46. **Ashraf A Qurtam**, Ibrahim Elbatal, Fahd A Nasr, Ashraf A Elgendy, Gharieb S El-Sayyad, Ahmed I El-Batal, Synthesis, characterization, antimicrobial and antibiofilm potential of green copper silicate and zinc silicate nanoparticles: kinetic study and reaction mechanism determination. *RSC advances*, 2025; 15(33), 27429-27440. [DOI: 10.1039/d5ra03834k](https://doi.org/10.1039/d5ra03834k)
47. Chaymae Rochdi, Fahd A Nasr, Amal Elrherabi, Ibtissam Bellajdel, Hafsa Taheri, Mohamed Bouhrim, Mohammed Al-zharani, **Ashraf Ahmed Qurtam**, Hanane Saadi, Ahmed Mimouni, Mohammed Choukri ,Correlation between semen quality and the seminal biochemical markers: alpha-glycosidase, fructose, and zinc in infertile men compared with a normal population of men. 2025; 16, 1583272. | <https://doi.org/10.3389/fendo.2025.1583272>
- Morad Kaddouri, Omar Ait El Alia, Mohamed Bouhrim, Mohammed Al-Zharani, Fahd A Nasr, **Ashraf**

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49. Oumayma Boussetta, Amal Elrherabi, Fahd A Nasr, El Hassania Loukili, Meryem Idrissi Yahyaoui, Nouhaila Amrani, Mohamed Chebaibi, Abdeslam Asehrou, Mohamed Bouhrim, Mohammed Al-zharani, **Ashraf Ahmed Qurtam**, Mohammed Ramdani Investigating the Influence of Drying Methods on the Quality and Bioactive Properties of Hemp (Cannabis sativa L.) Seed Oil. Food Science & Nutrition ,2025;13(9) e70894 .<https://doi.org/10.1002/fsn3.70894>

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google scholar: <https://scholar.google.com/citations?hl=en&user=MJOEKM8AAAAJ>

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| <p>Activities in specialist bodies over the last 5 years</p> | <ul style="list-style-type: none"> • Academic guidance for the Biology Department • Schedules Committee in the Biology Department • Establishment of the Zoology Museum in the Biology Department |
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