

CURRICULUM VITAE

Personal idea:

Name: Dr. Abdulkareem Elbaz

Gender: Male

Date of birth: 08/11/1975

Nationality: Libya

Marital Status: Married

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Contact Number: 00218913520983



Educational background:

- **Bachelor of Veterinary Sciences (BVSc)** in 1999 with average grade (very good) (77%) from the **Faculty of Veterinary Science, Tripoli University, Tripoli/Libya**.
- **Master of Biotechnology (Clinical Microbiology)** from **RMIT University, Melbourne-Australia** in 2006 with average grade (very good).
- **Post-graduate Diploma in Laboratory Medicine** from faculty of medicine **RMIT University, Melbourne -Australia** in 2007.
- **Doctor of philosophy** from **RMIT University, Melbourne-Australia** 2012.

Other qualifications:

- Highest level of academic English at **RMIT University, Melbourne - Australia** in 2004.

Work Experience:

- Associate professor, Microbiology Department, at the Faculty of Veterinary Medicine, Tripoli University, Libya, 2019– Present.
- Assistance professor, Microbiology Department, Tripoli University, Libya, 2015–2019.
- Full time Lecturer, Microbiology Department, Tripoli University, Libya, 2012–2015.
- Lecturer, Biology Department, Gharyan University, 2013- 2016
- Head of Department of Microbiology of Assabah Hospital, 2015-2017.
- Research project in Clinical Microbiology (Design new mutated recombinant vaccine) at RMIT during my Master candidature.
- Research project that was investigating the immune and cytotoxic responses to engineered nanoparticles at RMIT during my PhD.
- Demonstrator in immunology, bacteriology and virology at the school of applied sciences- RMIT University Melbourne -Australia between 2009 and 2012.
- A Member at the nanosafe Australia from 2009 to 2015.

- **SKILLS:**

- Languages: Arabic and English Excellent
- PCR, Cloning, DNA sequence analysis
- Protein expression, protein purification via affinity chromatography, protein separation by SDS/PAGE, ELISAs, Western blotting, protein quantification
- Tissue culture; primary and secondary cell line
- Fluorescent microscopy, electronic microscopy
- Flow cytometry
- Animal model; cytokine and antibody assessment from serum and histology analysis from tissue samples

TEACHING EXPERIENCE:

I taught the following courses and for several times through the period between 2012-present.

1. General Immunology
2. Molecular Biology
3. Diagnostic immunology
4. General mycology
5. Medical mycology
6. Microbiology I
7. Microbiology II
8. Molecular Biology
9. virology

COMMITTEES INSIDE THE UNIVERSITY:

Member of Faculty of veterinary medicine for preparation of the educational plan: 20015-Present

COMMITTEES OUTSIDE THE UNIVERSITY:

Member of assembly of Libyan academics and experts
Member of COVID-19 committee

REVIEWER FOR THE FOLLOWING JOURNAL:

1. **Sada almarefa - Libya**
2. **Libyan journal of veterinary**

SUPERVISOR OF THE FOLLOWING STUDENT'S GRADUATION PROJECTS:

1. **Asma Salah:** Urinary tract infection during pregnancy. Graduated, **2014**.
2. **Isra daw:** Antibacterial effects of garlic and onion extract on pathogenic strains of *E. coli*. Graduated, **2015**.
3. **Wafa Harakat:** Brucellosis in Camels, 2019.
4. **Salmah Misay:** Middle east Respiratory syndrome in Libya, 2018.

RESEARCH INTERESTED:

Immunology, Cell biology, Mycology, Bacteriology, Virology, Molecular biology, Pharmaceutical Sciences, and Nanotechnology

RECENT PUBLICATIONS (2010-2016):

Papers in Conference Proceedings

Elbaz A.K., Feltis B.N., Wright P.F.A., Lopata A.L. (2010) Immunotoxic effects of ZnO and TiO₂ nanoparticles on murine mast cells. Proceedings of 5th Australian Health & Medical Research Congress, Melbourne, Victoria, Australia.

Elbaz A.K., Feltis B.N., Wright P.F.A., Turney T.W., Lopata A.L. (2011) Inflammatory and cytotoxic responses of lung epithelial cell line to zinc oxide and titania nanoparticles. Proceedings of Australia-India joint symposium smart nanomaterials, Victoria

Goethals E. C., **Elbaz A.K.**, Lopata A. L., Bhargava S. B., and Bansal V. (2011) A Novel Templating System for Synthesis of Chitosan Nanocapsules with Controllable Size, Shell Thickness and Porosity for Drug Delivery. Proceedings of Australia-India joint symposium smart nanomaterials, Melbourne, Victoria, Australia (**Best poster award**).

Feltis B.N., Shen C., **Elbaz A.K.**, Wright P.F.A., Turney T.W. (2012) Mode of Action of ZnO Nanoparticle Induced Immune Cell Cytotoxicity. Proceedings of ICONN2012 (4th International Conference on Nanoscience and Nanotechnology, Perth, Feb. 2012), paper #799.

Goethals E. C., **Elbaz A.K.**, Lopata A. L., Bhargava S. B., and Bansal V. (2012) Templated Synthesis of Size Controlled Chitosan Nanocapsules for Drug Delivery. Proceedings of ICONN2012 (4th International Conference on Nanoscience and Nanotechnology, Perth, Feb. 2012), paper #766.

Elbaz A.K., Feltis B.N., Mackay G. A., Wright P.F.A., Turney T.W., Lopata A.L. (2012) Comparative immune inhibitory and cytotoxic effects of zinc oxide and titanium dioxide nanoparticles on mast cells. Proceedings of ICONN2012 (4th International Conference on Nanoscience and Nanotechnology, Perth, Feb. 2012), paper #541.

Abdulkareem Elbaz. Invited speaker (2013) Nanotechnology applications and their health impacts Sixth National Conference of Biotechnology, Misratah.

Elbaz A., Gatsos X., and Smooker P (2015) Recombinant Mutated Vaccine against the Alpha-Toxin of *Clostridium Perfringens* for the Prevention of Necrotic Enteritis in Poultry. Proceeding of international Conference on Agriculture, Environment and Biological Sciences (ICFAE'14), Antalya, Turkey. Paper A0614023

Abdulkareem Elbaz. (2017) First international Libyan water conference, Tripoli Libya

Papers in Scientific Journals

Goethals E. C., **Elbaz A.K.**, Lopata A. L., Bhargava S. B., and Bansal V. (2012) Monodispersed Chitosan Nanocapsules with Controllable Size, Shell Thickness and Porosity as Carriers for Anticancer Drug Curcumin. Langmuir.

Turney T.W., Duriska M. B., **Elbaz A. K.**, O'Keefe S. J., Piva T.J., Wright P.F.A., Feltis B.N. (2012) Formation of Zinc-Containing Nanoparticles from Zn²⁺ ions in Cell Culture Media: Implications for the Nanotoxicology of ZnO, Chemical Research in Toxicology.

Abdulkareem Elbaz and Nikolai Petrovsky (2014) A novel inulin adjuvant enhanced local immune responses to influenza antigen. Tripolitana Medical Journal.

Elbaz A.K., Feltis B.N., Mackay G. A., Wright P.F.A., Turney T.W., Lopata A.L. (2015) Characterising the inhibitory action of zinc oxide nanoparticles on allergic-type mast cell activation. Journal of Molecular Immunology.

Abdulkareem Elbaz, Ibrahim A. Jabeal, Asma K. Elramalli, Ibrahim A. Algondi , Mohamed O. Ahmed and Yousef M. Abouzeed (2015) The Antibigram of Postoperative Wound Bacterial Infections in Tripoli, Libya . Tripolitana Medical Journal.

Abdoulraouf A. Habibi, Sadek Zubek, **Abdulkareem Elbaz** and Emad M. Bennour (2015) Antibacterial Activity of Selected Libyan Medicinal Plants Against *Staphylococcus aureus* and *Bacillus subtilis* Journal of Pharmacognosy and Phytochemistry.

Abdulkareem Elbaz and Ali. Abeed (2017) Synergistic Antibacterial Activity of Ethanolic Extracts of *Olea europaea* and *Ficus carica* Leaves Against Methicillin-resistant *Staphylococcus aureus*. Lebda Medical Journal

Yousef M Abouzeed, Mohamed O Ahmed and **Abdulkareem Elbaz**. (2018) Identification of phenolic compounds with antibacterial activity in raisin extract open veterinary journal.

Abdulkareem Elbaz, Asma K. Elramalli, Ibrahim A. Algondi (2018) Antimicrobial Sensitivity Patterns of *Pseudomonas aeruginosa* Isolates Obtained From Foot Ulcer Diabetes Patients in Tripoli, Libya. Libyan journal of medical research

Mohamed H. Abushhiw and **Abdulkareem Elbaz**.(2019) Clinical, Radiological and Pathological findings of Non-metastatic Nasal Osteosarcoma in a Libyan Cat:A Case report. open veterinary journal

Abdulkareem Elbaz , Osama Swesi, Ali Bashir (2021) Potential Antibacterial Activity of Ethanolic Fig and Olive Leaves Extract Against *Enterococcus Faecalis*. Mediterranean Journal of Pharmacy and Pharmaceutical Sciences

Abdulkareem Elbaz , Ali. Abeed (2021) A comparative study of antibacterial activity of Fig and Olive Leaves Extracts, Libyan journal of medical research

Abdusalam S. Mahmoud , Abdulfatah R. Swesi , Ali A. Abeed and **Abdulkareem K. Elbaz**. 2021 Preliminary Epidemiological Investigation of COVID-19 Pandemic in Alassabiea City, Libya SEBHA UNIVERSITY JOURNAL OF MEDICAL SCIENCES

Abdulkareem K. Elbaz, Abdulmonem M. Sanalla , Elsharif Mustafa. 2023 Detection of *vacA* gene alleles frequency in *Helicobacter pylori* strains from patients with gastric diseases in Zliten city Libya.Libyan journal of medical research

Osama K. Sawesi, **Abdulkareem K. Elbaz**, Abdusalam S. Mahmoud. 2023 **Hematological reference values of horses in Western Libya and their relationship to breed, age, and management. OVJ**