

Mohamed O. Basher Ahmed *BVSc, PhD*

Professor of zoonosis and infectious diseases

Department of Microbiology and Parasitology

University of Tripoli

Libya

E.mail: a.mo@live.com / m.ahmed@uot.edu.ly

Phone No. +218925400914

BIBLIOGRAPHY

Mohamed O Ahmed is holder of a bachelor's degree in veterinary medicine from the faculty of veterinary medicine at Tripoli university (formerly know Alfateh University). Currently a staff member at the department of microbiology and parasitology at University of Tripoli in Libya. He has also collaborated with various research center in Libya as well as healthcare settings in various research activities publishing novel data.

He was a PhD student at Liverpool University, graduating in 2006 and his studies involved the investigation of antimicrobial resistance in enteric bacterial organisms from equines. This work has generated a novel epidemiological data in relation to the zoonotic risks of horses and their role as potential reservoir for antimicrobial resistance in North West England, UK (Ahmed MO 2010; Annal Clin Micro & Antimicro).

The research experience of Dr. Ahmed involved a great deal of diagnostic microbiology and genetic characterization (PCR, PFGE, MLST and WGS), combined with epidemiological and risk factors analysis. The range of techniques meant that he had to work closely with people from a range of disciplines – human and veterinary microbiology, epidemiology and veterinary clinicians. His recent and current research interests have covered wide range of disciplines and involved studying zoonotic and infectious agents to understand the dynamic of antimicrobial resistance at national and international levels.

So far, he has published and coauthors over 75 articles and publishing data which are available in PubMed, Google scholarship and ResearchGate. Also, he has been involved in reviewing many articles in collaboration with many international journals. Dr. Ahmed has also taken up administrative-scientific roles in his faculty and has collaborated with national academic institutions and international research institutions.

Personal details:

Date of birth: July 22th, 1973

Citizenship: Libyan

Language: Arabic, English, Italian

Current residence and addresses: Abuharida Street, Tripoli Libya

Education:

2000-2005 Doctor of philosophy

University of Liverpool, Leahurst, Chester high road, Neston, CH64 7TE, UK

Thesis: zoonotic bacteria and antibiotic resistance in the GI tract of horses
<http://library.liv.ac.uk>

1990-1996 Bachelor of veterinary medicine, Faculty of veterinary medicine, University of Tripoli, Libya

Academic & Professional experience:

2007-Present Department of microbiology and parasitology, Faculty of veterinary medicine, University of Tripoli, Libya

2006- Researcher in zoonotic and nosocomial organisms-Libya
Biotechnology research centre, Tripoli, Libya

1996-1999 Private Vet-practitioner

Professional & Personalized Electronic Profiles:

PubMed: <http://www.ncbi.nlm.nih.gov/pubmed/?term=ahmed+mo+libya>

ResearchGate: https://www.researchgate.net/profile/Mohamed_Ahmed11

Google scholarship:

<https://scholar.google.com.ly/citations?user=70WDUrEAAAAJ&hl=en&oi=sra>

Academic and scientific writing:

www.yammer.com/uot.edu.ly/#/threads/inGroup?type=in_group&feedId=7702217&view=all

LinkedIn:

www.linkedin.com/profile/view?id=101595507&trk=nav_responsive_tab_profile_pic

Research Groups and Collaboration Programs

- **Libyan Study Group of COVID-19**
<https://www.researchgate.net/project/Libyan-Study-Group-of-COVID-19>
- **Dynamics of zoonotic organisms and antimicrobial resistance in human and animals in Libya**
<https://www.researchgate.net/project/Dynamics-of-zoonotic-organisms-and-antimicrobial-resistance-in-human-and-animals-in-Libya>
- **Bibliometrics and Scientometrics; LIBYA**
<https://www.researchgate.net/project/Bibliometrics-and-Scientometrics-LIBYA>

Publications

- Aesha A. Othman, Murad A. Hiblu, Mohamed Salah Abbassi, Yousef M. Abouzeed and Mohamed O. Ahmed. Nasal colonization and antibiotic resistance patterns of *Staphylococcus* species isolated from healthy horses in Tripoli, Libya. *J. Equine Sci.* 32, 2, 61–65, 2021
- Ahmed MO, Elramalli AK, Baptiste KE, Daw MA, Zorgani A, Brouwer E, Willems RJL, Top J. Whole Genome Sequence Analysis of the First Vancomycin-Resistant *Enterococcus faecium* Isolates from a Libyan Hospital in Tripoli. *Microb Drug Resist.* 2020 Mar 16.
- Elnageh, H.R., Hiblu, M.A., Abbassi, M.S., Abouzeed, Y.M. and Ahmed, M.O. Prevalence and antimicrobial resistance of *Staphylococcus* species isolated from cats and dogs. *Open Vet. J.* 2020.10(4), 452-456.
- Daw MA, El-Bouzedi AH, Ahmed MO. How are countries prepared to combat the COVID-19 pandemic during the armed conflict?; The case of Libya. *Travel Med Infect Dis.* 2021 Jan 21;40:101977.
- Almshawt NF, Hiblu MA, Abid AS, Abbassi MS, Elkady AA, Abouzeed YM, Ahmed MO. Antimicrobial resistance among commensal enteric bacteria isolated from healthy cattle in Libya. *PAMJ. One Health.* 2020;1:3.
- Daw MA, Zgheel FA, El-Bouzedi A, Ahmed MO. Spatiotemporal Distribution of Tuberculosis and COVID-19 during the COVID-19 Pandemic in Libya. *Disaster Med Public Health Prep.* 2020 Nov 19:1-12.
- Daw MA, El-Bouzedi AH, Ahmed MO, Alejenef AA. The epidemiological characteristics of COVID-19 in Libya during the ongoing-armed conflict. *Pan African Medical Journal* 2020;37;219.
- Daw MA, Daw AM, Sifennasr NEM, Draha A, Daw A, Daw A, Ahmed M, Mokhtar E, El-Bouzedi A, Daw I, Adam S, Warrag S. The epidemiological characterization and geographic distribution of hepatitis D virus infection in Libya. *Pan Afr Med J.* 2020 Apr 14;35:120.
- Daw MA, El-Bouzedi AH, Ahmed MO; In Association with Libyan Study Group of COVID-19. COVID-19 and African Immigrants in North Africa: A Hidden Pandemic in a Vulnerable Setting. *Disaster Med Public Health Prep.* 2020 Oct 19:1-2

- Ahmed MO, van Velkinburgh JC, Daw MA. Analysis of biomedical publications in Libya from 2003 to 2013. *Educ Health (Abingdon)*. 2018 Sep-Dec;31(3):187-188.
- Daw MA, Daw AM, Sifennasr NEM, Draha AM, Daw AA, Daw AA, Ahmed MO, Mokhtar ES, El-Bouzedi AH, Daw IM, Adam SI, Warrag S; In association with Libyan Study Group of Hepatitis & HIV. Spatiotemporal analysis and epidemiological characterization of the human immunodeficiency virus (HIV) in Libya within a twenty five year period: 1993-2017. *AIDS Res Ther*. 2019 Jun 25;16(1):14.
- Ahmed MO and Baptiste KE. Vancomycin Resistance Enterococci: A Review of Antimicrobial Resistance Mechanisms and Perspectives of Human and Animal Health. *Microbial Drug Resistance* 2017 Oct 23.
- Ahmed MO, Elramalli AK, Baptiste KE. and Top J. Whole genome sequence analysis of the first vancomycin resistant *Enterococcus faecium* isolates from a hospital in Libya. Conference: The 5th International Conference on Enterococci, France. April 2018
- Abouzeed YM., Zgheel F, Elfahem A, Saad MA, Dhawi A, Elbaz A, Hiblu MA, Kammon A and Ahmed MO. Identification of phenolic compounds, antibacterial and antioxidant activities of raisin extracts. *Open Veterinary Journal*, (2018), Vol. 8.
- Kieffer N, Ahmed MO, Elramalli AK, Daw MA, Poirel L, Álvarez R, Nordmann P. Colistin-resistant and carbapenemase producers in *Klebsiella spp.* and *Acinetobacter baumannii* in Tripoli, Libya. *Journal of Global Antimicrobial Resistance*.
- Ahmed MO, Daw M, Velkinburgh JCV. An evolving research culture: Analysis of biomedical publications from Libya, 2003–13, *Research Evaluation*, rvx027, <https://doi.org/10.1093/reseval/rvx027>
- Ahmed MO, Aghila E, Elamri S, Baptiste K. Molecular investigation of carbapenemase-producing Enterobacteriaceae isolated from a Tripoli Hospital, Libya. *Libyan J Med Sci* 2017;1:80-2.
- Ahmed MO, Almshawt NF., Elnageh HR. Diarrheagenic *Escherichia coli* O157 from Libya: recent perspectives and challenges. *Journal of Public Health in Africa* 2017; 8:685
- Ahmed MO., Baptiste KE, Daw MA, Elramalli AK, Abouzeed YM, Petersen A. Spa typing and identification of pvl genes of methicillin-resistant *Staphylococcus aureus* isolated from a Libyan hospital in Tripoli. *J Glob Antimicrob Resist*. 2017 Jul 19;10:179-181.
- Elramalli A, Almshawt N, Ahmed MO. Current problematic and emergence of carbapenemase-producing bacteria: a brief report from a Libyan hospital. *Pan Afr Med J*. 2017 Mar 29;26:180.
- Daw MA, El-Bouzedi A, Ahmed MO, Dau AA; In association with the Libyan Study Group of Hepatitis & HIV. Molecular and epidemiological characterization of HIV-1 subtypes among Libyan patients. *BMC Res Notes*. 2017 Apr 28;10(1):170.
- Daw MA, Sifennasr NEM, El-Bouzedi A, Daeke AO, Dau AA, Draha AM, Ahmed MO, Agnan MM. Epidemiology of hepatitis B virus in immigrants crossing to Europe from North and Sub-Saharan Africa. *Travel Med Infect Dis*. 2017 Mar - Apr;16:59-61.
- Daw MA, El-Bouzedi AA, Ahmed MO, Dau AA, Agnan MM, Draha AM. Geographic integration of hepatitis C virus: A global threat. *World J Virol*. 2016 Nov 12;5(4):170-182.

- Daw MA, El-Bouzedi A, Ahmed MO, Dau AA, Agnan MM, Drah AM, Deake AO; In association with Libyan Study Group of Hepatitis & HIV. Prevalence of human immune deficiency virus in immigrants crossing to Europe from North and Sub-Saharan Africa. *Travel Med Infect Dis.* 2016 Nov - Dec;14(6):637-638.
- Daw MA, El-Bouzedi A, Ahmed MO, Dau AA, Agnan MM; In association with the Libyan Study Group of Hepatitis & HIV. Epidemiology of hepatitis C virus and genotype distribution in immigrants crossing to Europe from North and sub-Saharan Africa. *Travel Med Infect Dis.* 2016 Sep - Oct;14(5):517-526.
- Daw MA, El-Bouzedi A, Ahmed MO, Dau AA, Agnan MM. Hepatitis C Virus in North Africa: An Emerging Threat. *ScientificWorldJournal.* 2016;2016:7370524
- Ahmed MO, Daw MA. Mapping the travel route of African refugees who traverse Libya to determine public health implications for Libya and the North-African region. *Travel Med Infect Dis.* 2016 Mar-Apr;14(2):162-4.
- Ahmed MO et al. Staphylococcal small colony variants from a Libyan hospital journal of laboratory physician 2015;7:68-9.
- Ahmed MO. Small colony variants of staphylococcus aureus: a clinical and laboratory challenge. *Indian journal of med microbio* 2015;33:296-7
- Ahmed MO et al,. Brucellosis update in Libya and regional prospective. pathogen and global health 2015 feb;109(1):39-40.
- Ahmed M. Multiplex PCR: a powerful and affordable tool for laboratory and field analysis in developing countries. *Asian Pacific J Trop Biomed* 2014; 4(11): 923-924.
- Ahmed M and Velkinburgh JCV. Enterohaemorrhagic *Escherichia coli* 0157 in north African region: a threat require advanced investigation. *The pan African medical journal* 2014; 19:26.
- Ahmed MO. Enterohaemorrhagic *Escherichia coli* o157: a current threat requiring advanced approaches – author reply. *Libyan J medicine.* (2014) 9: 24870
- Ahmed MO and Abouzeed YM. Enterohaemorrhagic *Escherichia coli* 0157: a survey of dairy cattle in Tripoli, Libya. *Libyan J Medicine.* (2014) 9: 24409
- Ahmed MO, Elramali A, Amri SG, Abouzeed YM. Cefoxitin mannitol salt agar for the selective isolation of methicillin resistant staphylococcus aureus. *Ibnosina J Medicine & Biomedical Sciences*, 6, jan, 2014.
- Abouzeed YM, Elfahem A, Zgheel F, Ahmed MO. Antibacterial in-vitro activities of selected medicinal plants against methicillin resistant staphylococcus aureus from Libyan environment. *J Environ Analy Toxicol.*3: 194.
- Ahmed MO, Williams NJ, Clegg PD and Bennett M. Antibiotic resistance and chromosomal variation in equine faecal salmonella spp. *British J of Medicine & Medical Research* 2(4): 501-509, 2012
- Ahmed MO, Williams NJ, Clegg PD, velkinburgh JCV, Baptiste KE, Bennett M. Analysis of risk factors associated with antibiotic-resistant *E.coli*. *Microbial drug resistance /mdr.2011.0213*

Ahmed MO, Elramali AK, Amira SG, Abuzweda AR, Abouzeed YM. Isolation and screening of methicillin-resistant *staphylococcus aureus* from healthcare workers in Libyan hospitals. EMHJ-WHO JAN 2012.

Ahmed MO. Methicillin resistant staphylococcus aureus (MRSA) a challenge and an opportunity! Web central public health 2011;2(6):WMC001996 “review articles”

Ahmed MO, Abuzweda AR, Alghazali MH, Amira SG, Elramali AK, Abouzeed YM. Misidentification of methicillin-resistant *staphylococcus aureus* (MRSA) in three hospitals in Tripoli, Libya. Libyan J Med 2010, 5:5230.

Ahmed MO, Elmeshri SE, Abuzweda AR, Blauo M, Abouzeed YM, Ibrahim A, Salem H, Alzwam F, Abid S, Elfahem A, Elrais A. Seroprevalence of brucellosis in animals and human populations in the western mountains region in Libya, Dec 2006-Jan 2008. Eurosurveill 2010; 15(30)

Ahmed MO, Clegg PD, Williams NJ, Baptiste KE, Bennett M. Antimicrobial resistance in equine faecal *Escherichia coli* isolates from North West England. Annal Clin Micro & Antimicro 2010 7;9(1):12

Ahmed MO, Alghazali SG, Abuzweda AR. Detection of inducible clindamycin resistance (mls_bi) among methicillin-resistant *staphylococcus aureus* (MRSA) from Libya. Libyan J Med 2010; 5: art no:091209

Elbahi AM, Ahmed MO, Elattar ER. Histological study of haemal nodes of the camel. Libyan Veterinary Journal 2010

Ahmed MO, Abozeed Y, Bepstiste KE, Bennett M. Antimicrobials and antimicrobial resistance in animals. Libyan Vet J 2010

BOOK CHAPTERS

Antibiotic Resistant Bacteria - A Continuous Challenge in the New Millennium. 2012. antibiotic resistance pattern in faecal *E.coli*: a cohort-control study of hospitalized horses. In Tech publisher ISBN 979-953-307-855-6

<http://www.intechopen.com/booksprocess/action/chapter/44389>

Science and technology against microbial pathogens, research, development and evaluation. 2011 vancomycin resistant enterococci (VRE) in equine-faecal samples. World scientific publishing company ltd P357-362 ISBN-13:978-981-4354-85-1

http://eproceedings.worldscinet.com/9789814354868/9789814354868_0070.html

NEWSLETTERS

RISK OF MICROBIAL DRUG RESISTANCE. **EQUINE SCIENCE UPDATE 2012**

www.equinescienceupdate.com/articles/mdr.html

VANCOMYCIN RESISTANT ENTEROCOCCI IN EQUINE FAECES. **EQUINE SCIENCE UPDATE 2011** www.equinescienceupdate.com/articles/vreef.html

ANTIBIOTIC RESISTANCE IN EQUINE FAECES. **EQUINE SCIENCE UPDATE 2010**

www.equinescienceupdate.co.uk/aref.htm

Postgraduate Students Supervision

Prevalence and antimicrobial resistance of enteric bacteria and *Staphylococcus* spp. from pet animals in Tripoli. By Hiam Elnageh (M.V. Sc 2020). Faculty of Veterinary Medicine, University of Tripoli, Libya.

Prevalence and characterization of antimicrobial resistance of indicator enteric bacteria from cattle in Libya. By Nariman Almshawt (M.V. Sc 2020). Faculty of Veterinary Medicine, University of Tripoli, Libya

Isolation and characterization of antimicrobial resistance of *Staphylococcus* species isolated from horses in Tripoli, Libya. BY Aeshah Abdulrrazaq Othman. Faculty of Veterinary Medicine, University of Tripoli, Libya

Characterization and Antibiotic Resistance of Staphylococci Strains Isolated From Brack hospital in the Southern region of Libya. By Ghada M Alshaibani. Academy of Graduate Studies, Libya

Healthcare-associated bacteria in intensive care units (ICUs) from major Libyan hospitals in Tripoli-Libya. By Fatima Belgasem Madi. Academy of Graduate Studies, Libya

Seroprevalence of brucellosis in goats in Al-Shatii District in the southern region of Libya” By Wesal Mosa Enwais. University of Sebha.

PROCEEDINGS & CONFERENCES

- **5th International Conference on Enterococci, France ICE 2018**
Abstract title:: Whole genome sequence analysis of the first vancomycin resistant *Enterococcus faecium* isolates from a hospital in Libya
- **The Society for General Microbiology Annual Conference 2014 14-17 April 2014 Arena and Convention Centre, Liverpool, UK**
Abstract title: Phenotypic characterization of multidrug resistance patterns (MDR) among methicillin resistant *Staphylococcus aureus* (MRSA) from Libya
- **3rd International Meeting on Antimicrobial Peptides**
Abstract title: Cefoxitin mannitol salt agar for selective isolation of methicillin resistant *Staphylococcus aureus*
- **5th Agro-Libya & fishing exhibition-Tripoli international fair (TIF) Protection of life-stock and the prospect of development**
- **21st European Congress of Clinical Microbiology and Infectious Diseases (ECCMID) 27th International Congress of Chemotherapy (ICC)**
Abstract title: Surveillance of nosocomial and community-acquired enteric pathogens shed in equine faeces and analysis of risk factors associated with antibiotic resistant *E. coli*
- **3rd International Conference on Drug Discovery & Therapy', Dubai,UAE**
Abstract title: Isolation and screening of methicillin-resistant *Staphylococcus aureus* from health care workers in Libyan hospitals.
- **I International Conference on Antimicrobial Research (ICAR2010) Valladolid (Spain)**

Abstract title: Vancomycin resistant enterococci (VRE) in equine-faecal samples

- **14th International Congress on Infectious Diseases (Only poster participation)**

Abstract title: Analysis of multidrug resistant (MDR) E.coli strains from equine faecal samples in NW England