

Curriculum Vitae

Haroon Ahmed, PhD.

Associate Professor (One health)

COMSATS University Islamabad (CUI), Pakistan

Honorary Research Fellow (One health)

School of Science, Engineering and Environment, University of Salford campus,

Peel Building, Room G38, Manchester, United Kingdom

Phone: +923455162128; E-mail: haroonahmad12@yahoo.com ; haroonahmed@comsats.edu.pk

ORCID: <https://orcid.org/0000-0002-0382-3569>; Scopus: [57222316680](https://scopus.org/57222316680); Web of Science: [S-4085-2019](https://www.webofscience.com/54085-2019)

Web Link Google Scholar: <https://scholar.google.com/citations?user=Mnr7ISUAAAAJ>

Professional Experience

- September - 2021 – Present; Honorary Research Fellow (Parasitology/One health) at School of Science, Engineering and Environment, **University of Salford, United Kingdom**, Salford campus, Peel Building, Room G38, Manchester, United Kingdom (*Ranked 85th in UK & 800th in the world by QSS*)
- July 2021 – Present; Associate Professor (Parasitology/One health) at Department of Biosciences, **COMSATS University Islamabad**, Pakistan: *Leading Public university of Pakistan (Ranked 1st by Higher Education Commission of Pakistan (2024) in General Category): Teaching and Research.*
- February 2014 - June 2021; Assistant Professor (Parasitology/One health) at *Department of Biosciences, COMSATS University Islamabad*, Pakistan: *Leading Public university of Pakistan (Ranked 2nd by Higher Education Commission of Pakistan in General Category): Teaching and Research.*
- December 2011 - January 2014; Lecturer (Parasitology/One health) at *Department of Biosciences, COMSATS University Islamabad*, Pakistan: *Leading Public university of Pakistan (Ranked 2nd by Higher Education Commission of Pakistan in General Category): Teaching and Research.*
- September 2015 - September 2016; Postdoctoral Researcher at Department of Parasitology, **Firat University, Turkey** (*Ranked 1st by Higher Education of Turkey in Veterinary Sciences Category & 1200th in the world*): *Teaching and Research.*
- October 2024 – November 2024; Charles Wallace visiting Fellow/Researcher (One health), School of Biosciences, **Cardiff university, UK** (*Ranked 151-175th in Life Sciences by Times Higher Education, & 186th in the world by QSS*): *Teaching and Research.*
- July 2021 – August 2021; Senior Researcher, Dipartimento di Biologia e Biotechnologie 'L. Spallanzani', **University of Pavia, Pavia, Italy** (*Ranked 12th in Italy, Ranked 141th in Europe, & 300th in the world by QSS*): *Teaching and Research.*
- July 2018 – August 2018; Senior Researcher (Parasitology/One health), Division of Infectious and Tropical Diseases, IRCCS San Matteo Hospital Foundation, **University of Pavia, Pavia, Italy** (*Ranked 12th in Italy, Ranked 141th in Europe, & 300th in the world by QSS*): *Teaching and Research.*
- May 2016, Visiting Professor, **Escola Universitária Vasco da Gama**. Av. José R. Sousa Fernandes, Campus Universitário – Bloco B Lordemão 3020-210 Coimbra, **Portugal** (*Ranked 82th in Portugal & Ranked 2670th in Europe*): *Teaching and Research.*
- May 2016, Visiting Researcher, CCMAR, Department of Biomedicine, **University of Algrave, Faro, Portugal** (*Ranked 27th in Portugal, Ranked 351st in the world by QSS*): *Teaching and Research.*
- July 2011 – September 2011; Graduate Researcher – Conducted PhD Research at the Departamento

de Patología Animal, **Universidad de Santiago de Compostela (USC), Spain** (Ranked 5th in Spain & 600th in the world by QSS): Teaching and Research.

- August 2008 – August 2009; Research Associate at *Department of Zoology, PMAS- Arid Agriculture University, Rawalpindi, Pakistan: Leading Public university of Pakistan (Ranked 36th by Higher Education Commission of Pakistan in General Category & 100th in the world): Teaching and Research.*

Educational Qualifications

- 2015-116: Postdoc (Parasitology/One health), **Firat University, Turkey**
- Research Title: (i) Molecular and genetic characterization of *Echinococcus* spp. obtained from different hosts
(ii) Molecular and genetic characterization of coenurosis (*Coenurus cerebralis*) in sheep and calves

(Postdoc Research conducted at Firat University, Turkey– Sponsored by The Scientific and Technological Research Institution of Turkey (TUBITAK), Turkey)

- 2009-14: Ph.D in Zoology (Molecular Parasitology), PMAS Arid Agriculture University, Rawalpindi, Pakistan/**Universidad de Santiago de Compostela (USC), Spain**
- Title: Development of ELISA bioassay and risk mapping of bovine hypodermosis in cattle of northern Punjab, Pakistan

(PhD Research conducted at Universidad de Santiago de Compostela (USC), Spain– Sponsored by Higher Education Commission of Pakistan)

- 2007-09: Master of Philosophy (M.Phil) in Biology at PMAS Arid Agriculture University, Rawalpindi, Pakistan.
- Thesis Title: Serodiagnosis of *Hypoderma lineatum* (Warble fly) infection in the cattle of Potohar region, Pakistan
- 2005-07: Master of Science (MSc) in Biology at PMAS Arid Agriculture University, Rawalpindi, Pakistan.
- 2002-04: Bachelor of Science (BSc) in Biological Sciences at Punjab University, Lahore, Pakistan.
- **Areas of Interest:** Epidemiology, Infectious Diseases, Surveillance System, Public Health, One Health

Research Interests

The main focus of my Parasitology & Public Health Technology Laboratory (PHTL) is to understand the biology/ pathogenesis of clinically significant pathogens/parasites, impacting human health as well as animal/livestock health under the umbrella of one health, and determining their genomic diversity, phylogeography and interventions. Moreover, understanding the system level approach of linking the role of changing pathogens/parasites & associated genotype and its impact on human health in changing climate. Moreover, understanding transmission dynamics/patterns of zoonotic pathogens with diverse ecological and environmental niche, developing rapid technology based assays for surveillance/source tracking of pathogens/parasites as well as developing control strategies is another research interest. My lab uses primarily genetic and molecular techniques to characterize environmental, human and animal isolates and devising the intervention strategies to combat the diseases of one health importance. Our lab has established In Situ Zoonotic Disease Surveillance system for first time in Pakistan by using portable and accessible molecular technology with international collaborators that is being used by a few countries in the world. Research Highlights My work in field of infectious diseases/parasitology/one health such as echinococcosis, toxoplasmosis, tick borne pathogens, Diarrhea, NTDs etc. are of significant importance and will serve the basis of their control in future in Pakistan. First Pakistani to initiate the extensive nanopore sequencing projects most notably of emerging pathogens. Identified novel genotypes, proteins having vast potential applications for researchers as a vaccine candidate. These proteins have commercial value and can be used for STEM education in the country to teach “Biotechnology” at its best. I am currently developing rapid diagnostic tests for detecting human pathogens (foodborne & waterborne), veterinary pathogens and environmental pollutants such as pesticides and heavy metals. In addition, developing control strategies such as intervention strategies are other research areas of interest. I am editor of various scientific journals and member of various national and international societies/forums. I have delivered invited talks at various national and international forums and chaired sessions at various national and international forums. I have published >220 research papers in international impact factor journals with the cumulative impact factor of ~5279 (with citations 12825, h-index 43, i10-index 119). I have developed strong academic and research linkages with several top ranked Universities/Schools of

INTERNATIONAL LINKAGES

- Texas A & M University, **USA**
 - Department of Veterinary and Biomedical Sciences, University of Minnesota, College of Veterinary Medicine, 1971 Commonwealth Avenue, St. Paul, Minnesota 55108, **USA**
 - Cardiff University, **United Kingdom**
 - Istituto Zooprofilattico Sperimentale della Sardegna, Sassari, **Italy**
 - University of de Compostela (USC), **Spain**
 - University of Bern, **Switzerland**
 - Wildlife surveillance and eco-epidemiology Unit, Anses, Nancy laboratory for Rabies and wildlife - Bâtiment Technopôle Agricole et Vétérinaire, **France**
 - Firat University, **Turkey**
 - WHO Collaborating Centre for Cystic and Alveolar Echinococcosis, European Union Reference Laboratory for Parasites, Foodborne and Neglected Parasitic Diseases Unit, Department of Infectious Diseases, ISTITUTO SUPERIORE di SANITÀ (Italian NIH), **Italy**
 - Center for Global Health, National Institute of Parasitic Diseases (NIPD), Chinese Center for Disease Control and Prevention, Key Laboratory of Parasite and Vector Biology, Ministry of Health, WHO Collaborating Center of Tropical Diseases, National Center for International Researches on Tropical Diseases, Ministry of Science and Technology, 207 Ruijin Er Lu, Shanghai 200025, **China**
 - University of Salford, **United Kingdom**
 - WHO – IWGE collaborating center for Echinococcosis in University of Pavia, **Italy**
 - University of Coimbra, **Portugal**
 - Institute of Ecology and Earth Sciences, University of Tartu, J. Liivi 2-214, 50409 Tartu, **Estonia**
 - University of the West of Scotland, PA12BE, Paisley, **United Kingdom**
 - Hainan Medical University, **China**
-

HONORS AND AWARDS:

- Top 2% scientist list based on citation data released by Web of Sciences (2024)
 - Awarded Gold Medal of Prof. Imtiaz Ahmad (Entomology), Zoological Society of Pakistan (ZSP) (2025)
 - Awarded Gold Medal of Prof. Dr. Nazir Ahmad (Zoology), GC University Lahore (2023)
 - Awarded Gold medal in Health Sciences by Pakistan Academy of Sciences (PAS) (2022)
 - Awarded Gold medal in Genetics of Abdul Shami 4th Applied Zoological Society of Pakistan (AZSP) (2022)
 - Awarded Silver medal in M. Phil (2009)
 - Secured merit scholarship in 1st and 2nd semester of M.Phil (2008-2009).
 - Secured 2nd position in M.Phil (2009).
 - Awarded International TUBITAK (2216) fellowship to visit Turkey (2015 & 2017)
 - Awarded HEC foreign scholarship under IRSIP program to visit Spain (2011)
 - Research Productivity Award of COMSATS University (CUI), Islamabad (2013-2021)
 - Awarded CICOP scholarship, Italy (2019)
 - Awarded The Charles Wallace Visiting Fellowship Programme to visit UK (2024)
-

EDITORIAL RESPONSIBILITIES:

Editorial Board:

- Academic Editor, PLOS Global Public Health (2021- till date)
- Academic Editor, World Journal of Clinical Cases (2021- till date)
- Editorial Board member, One Health Bulletin (2021- till date)
- Editorial Board member, Chinese Journal of Parasitology and Parasitic Diseases (2020- till date)
- Editorial Board member, Tropical Public Health (2018- till date)

Review activities for Academic Journals (not all are listed):

BMJ Open, Transitions of Royal Society of Medicine, Acta tropica, Parasitology, Zoonoses and Public Health, Veterinary Research Communications, Journal of Medical Entomology, BMC Infectious Diseases, Journal of Epidemiology and Global Health etc.

MS/PhD Examiner responsibilities:

- Mirpur University of Science & Technology (MUST), Mirpur, AJK
 - The University of Poonch (UOP), Rawalakot AJK
 - Wali Khan University Mardan, Pakistan
 - University of Management & Technology (UMT), Lahore, Pakistan
 - University of Central Punjab (UCP), Lahore, Pakistan
 - University of Gujrat (UOG), Gujrat, Pakistan
 - PMAS-Arid Agriculture University, Rawalpindi, Pakistan
 - Hazara University, Manshera, Pakistan
 - Fatima Jinnah Women University (FJWU), Rawalpindi, Pakistan
 - University of Veterinary & Animal Sciences (UVAS), Lahore, Pakistan
 - Sardar Bahadur Khan Women's University, Quetta, Pakistan
-

INTERNATIONAL SCIENTIFIC PANELS:

- 2022, Review Panel Member, Swiss National Science Foundation

NATIONAL SCIENTIFIC PANELS:

- 2012, Review Panel Member, National Science Fair, Allama Iqbal Open University Islamabad
 - 2021, Review Panel Member of NRPU, Higher Education Commission (HEC), Pakistan
 - 2021, Review Panel Member of NIH, Pakistan
 - 2021, Member of Review Panel of "Access to scientific instrumentation program" under Higher Education Commission (HEC), Pakistan
 - 2022, Excerpt of Panel of AT committee to evaluate MSc, M.Phil and PhD Zoology program at MUST University, Mirpur, Pakistan
 - 2022, Subject specialist to evaluate PhD synopsis of zoology program at zoology department, MUST University, Mirpur, Pakistan
-

PROFESSIONAL SOCIETIES AND ORGANIZATIONS:**Membership in Professional Societies:**

- American Society of Microbiology (ASM)
- British Ecological Society (BES)
- Zoological Society of Pakistan (ZSP)
- British Society of Parasitology (BSP)

Professional Service:

- Member of Scientific Program Committee of Organizing International Seminar (2018)
-

Attended international symposiums/workshops:

- 2021, Vaccine (s) against arthropod borne diseases at CUVAS, Bahawalpur, Pakistan
- 2017, 1st International Conference on emerging trends in Zoology, University of Sargodha, Sargodha, Pakistan
- 2017, 2nd International Conference on Innovative Biological and Public Health Research (IBPHR-2017) at GC University, Lahore, Pakistan
- 2016, Joint Pak-US workshop on "Strengthening and sustaining a network of Public and Animal Health clinical laboratories in Pakistan, Islamabad, Pakistan
- 2014, 5th International Conference on Agriculture, Food Security and Climate Change at The University of Poonch Rawalakot, AJK
- 2012, Trends in Biochemistry & Molecular Biology at Quaid-e-Azam University, Islamabad, Pakistan
- 2012, International Bioenergy Conference Real Time at PMAS- Arid Agriculture University, Rawalpindi, Pakistan
- 2010, Biofuel from Agricultural Wastes at PMAS-Arid Agriculture University, Rawalpindi, Pakistan
- 2008, Biosecurity/Food Safety Enhancement Program at Quaid-e-Azam University, Islamabad, Pakistan

- 2008, 2nd National Conference on Health Biotechnology at Pakistan Academy of Sciences, Islamabad, Pakistan

International/National Professional Training/workshops:

- 2023, Training Workshop on "Chemical security & safety related to pharmaceuticals in Pakistan" from 26-27th May, 2023, Pakistan **(National)**
 - 2022, Media Training Workshop on "Climate Extremes with Emphasis on Health Impacts" from 5-6th October, 2022, Pakistan **(National)**
 - 2021, NIPD-TDR-WSH workshop on multisectoral approaches to the prevention and control of vector borne diseases, with a focus on the WASH sector was held in NIPD, China **(International)**
 - 2021, China CDC ModPad-MoV 2021, China **(International)**
 - 2018, An US training to diagnose human hydatid cyst at division of infectious and tropical diseases, IRCCSSan Matteo Hospital Foundation, University of Pavia, Pavia, Italy **(International)**
 - 2014, Professional knowledge for ELT course and assessment in the ELTeach professional development program for English language **(International)**
 - 2012, Pre-Service training course from 9th July to 16th August, 2012 at CIIT Islamabad. **(National)**
 - 2012, Analysis of Research data by SPSS from 24th to 28th September, 2012 from FDA, CIIT, Islamabad, Pakistan **(National)**
 - 2012, Real Time PCR from 2nd to 7th September, 2012 from PMAS- Arid Agriculture University, Rawalpindi, Pakistan **(National)**
-

MAJOR INVITED PROFESSORSHIPS AND LECTURESHIPS:

Invited speaker:

INTERNATIONAL

- 2023, Belt & Road Tropical Medical Alliance (BRTMA), October 26-29th April, 2023 at Henan Medical University, Henan, China (Title: Echinococcosis, one health and Pakistan: Current status and future prospects)
- 2019, Belt & Road Tropical Medical Alliance (BRTMA), October 24-28th, 2019 at Henan Medical University, Henan, China (Title: Current status of Leshmeniasis in Pakistan)
- 2018, Belt & Road Tropical Medical Alliance (BRTMA), October 13-18th, 2018 at Henan Medical University, Henan, China (Title: Current status of echinococcosis in Pakistan)
- 2016, Escola Universitária Vasco da Gama Av José R. Sousa Fernandes, Coimbra, Portugal (Title: Cystic echinococcosis)

NATIONAL

- 2018, Medical conference at Fazia Medical College in Pakistan in February 2017 at Air University Islamabad, Pakistan (Title: Echinococcosis in Pakistan)
-

RESEARCH SUPPORT (role (agency)(institution), title, duration, amount/yr):

a. National

1. Higher Education Commission (HEC), Haroon Ahmed (PI), **Clinical management of echinococcosis**
01/07/2018 - 01/08/2018
2. National University of Medical University (NUMS) funding, Waseem Safdar (PI), Haroon Ahmed (Co-PI), **Enhanced Production of palmitoleic acid rich oil by filamentous microalgae Tribonema minus through fermentation regulation and metabolic engineering**
01/07/2021 - 30/06/2022

b. International

1. European Society of Clinical Microbiology and Infectious Diseases (ESCMD). Dr. Haroon Ahmed (Head of unit 1), Aigerim Mustapayeva (Head of unit 2) & Dr. Tommaso Mancili (Consultant). 2025.
Implementation of a pilot Capacity building progrAm in Pakistan, a Cystic EchInococcosis endemic

country based on ultrasound population surveys for prevalence and Risk factor assessment – the CAPACITOR-A study

01/03/2025 - 01/03/2028

2. Pak France, PERIDOT Research Funding Program, French PI (Gerald Umhang) & Pakistan PI (Haroon Ahmed). **Determination of correlation of Echinococcosis among human, animals and environment: A step towards “One Health strategy”**
01/03/2025 - 01/03/2028
 3. European cooperation of science & technology, **COST** (067/24). Dr Maria MARTINEZ- VALLADARES and others. Haroon Ahmed (Working group member), **Environmental impact of anthelmintics in livestock and alternatives to minimize their use (ENVIRANT)**
10/10/2024 - 09/10/2028
 4. Center for Global Health and Social Responsibility (CGHSR), USA. PI (Peter A Larsen, Jonathan Oliver and Haroon Ahmed). **In Situ Zoonotic Disease Surveillance in Pakistan Using Portable and Accessible Molecular Technology**
01/07/2023 - 30/06/2025
 5. One Health Health, EJP funding, Adriano Casulli (ISS) (Coordinator) and others, Haroon Ahmed (External partner), MEmE: **Multi-centre study on Echinococcus multilocularis and Echinococcus granulosus s.l. in Europe: development and harmonisation of diagnostic methods in the food chain**
01/01/2020 - 30/06/2022
 6. TUBITAK-2216, Sami SIMSEK (PI), Haroon Ahmed (Researcher), **Molecular and genetic characterization of Parasitic spp (*Hypoderma* and *Echinococcus* spp.) obtained from different hosts**
01/09/2015 - 30/09/2016
-

TEACHING AND RELATED RESPONSIBILITIES:

Graduate courses (SP/FA semesters)

- Essentials of Epidemiology (SP-20)
- Strategies of Parasite infection, survival and transmission (FA-17, SP-17 & SP-23)
- Host Parasite Interaction (FA-24)

Undergraduate courses

- Epidemiology & clinical trials (FA-20, SP-23 & SP-24)
 - Zoology 1 (FA-19, SP-14 & FA-14)
 - Zoology II (SP-17, FA-15, FA-14, SP-14, SP-13, FA-13, SP-12 & FA-12)
 - Introduction to biosciences (SP-21, FA-20, SP-20)
 - General physiology (SP-25, FA-24, FA-22, SP-22, FA-21, SP-21, SP-19, FA-18, SP-18, FA-17, SP-17, FA-16, FA-15, FA-14, SP-14, SP-13, FA-13, SP-12 & FA-12)
-

TRAINING / MENTEE RECORD:

A1. Current Trainees / Mentees and Thesis advisor (only PhD)

1. 2024- Ayesha Tahir, PhD candidate at COMSATS University Islamabad (CUI)
Title: Distribution, molecular detection and economic significance of echinococcosis in Pakistan
2. 2022- Bhaudur Sheir, PhD candidate at COMSATS University Islamabad (CUI)
Title: Distribution and molecular detection of human leishmaniasis in North-western Punjab, Pakistan
3. 2021- Kashif Abbas, PhD candidate at COMSATS University Islamabad (CUI)
Title: Distribution, molecular detection and economic significance of tick borne pathogens among dogs in Pakistan

A2. Current Trainees / Mentees and Thesis advisor (only MS)

1. 2023-2025- Huda Sajjad, MS candidate at COMSATS University Islamabad (CUI)
Title: Genetic characterization of tick borne pathogens among livestock from AJK of Pakistan
2. 2023-2025- Wajeeha Raja, MS candidate at COMSATS University Islamabad (CUI)
Title: Epidemiology of ticks in livestock from Pathowar plaetu of Pakistan

3. 2023-2025- Wajeeha, MS candidate at COMSATS University Islamabad (CUI)
Title: Genetic characterization of tick borne pathogens among livestock from Talagang district, Pakistan
4. 2023-2025- Komal, MS candidate at COMSATS University Islamabad (CUI)
Title: Epidemiology of ticks in livestock from Pathowar plateau of Pakistan
5. 2023-2025- Fizza Rasheed, MS candidate at COMSATS University Islamabad (CUI)
Title: Surveillance of tick borne pathogens among livestock from Attock of Pakistan

A3. Current Trainees / Mentees and Thesis advisor (only BS)

1. 2020-2025, Adeena Farooq, BS candidate at COMSATS University Islamabad (CUI)
Title: A retrospective study human brucellosis in Islamabad, Pakistan during 2012-2023
2. 2020-2024- Abeera Zafar, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge assessment regarding vector borne diseases in Pakistan
3. 2020-2025- Alishba & Maryum Zrar, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge assessment regarding health interventions among rural areas of Pakistan
4. 2020-2025-Selina Yaqoob, BS candidate at COMSATS University Islamabad (CUI)
Title: Development and validation of technology for detection of cancer Pakistan
5. 2020-2025-Farda & Saman Zahra, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge assessment regarding artificial intelligence of Pakistan

B1. Past Trainees / Mentees and Thesis advisor (only PhD)

Thesis advisor and Examination Committee member:

1. 2018-22- Nazir Hussain, PhD candidate at COMSATS University Islamabad (CUI)
Title: Molecular detection of tick-borne pathogens and investigation of their genetic diversity in Pakistan
2. 2018-22- Sajida Riaz, PhD candidate at COMSATS University Islamabad (CUI)
Title: A study on snails as carriers of some helminth borne diseases (Schistosomiasis / fascioliasis) by using of molecular methods
3. 2019-23- Huma Khan, PhD candidate at COMSATS University Islamabad (CUI)
Title: Molecular and morphological insight of echinococcosis by using the haplotypes analysis among different hosts in Khyber Pakhtunkhwa (KPK), Pakistan
4. 2017-20- Aisha Khan, PhD from COMSATS University Islamabad (CUI)
Title: An Epidemiological, risk assessment and molecular characterization of *Echinococcus* spp. in Pakistan
5. 2017- Sadia Selim Khan, PhD at COMSATS University Islamabad
Title: Molecular screening of tick borne microorganisms and analysis of their pattern of interaction
6. 2014-19- Hira Muqaddas, PhD from University of Sargodha, Pakistan
Title: Molecular characterization and epidemiology of *Echinococcus granulosus* in human isolates from Sindh, Pakistan
7. 2014-19- Nunain Mehmood, PhD from University of Sargodha, Pakistan
Title: Molecular characterization and epidemiology of *Echinococcus granulosus* from livestock of Pakistan
8. 2014-19- Sadia Liaqat, PhD from PMAS-Arid Agriculture University Rawalpindi, Pakistan
Title: Sero-epizootiology of goat warble infestation in Potowar plateau, Pakistan

Past Trainees / Mentees (only MS)

1. 2023-2024- Iqra Alitaf, MS candidate at COMSATS University Islamabad (CUI)
Title: Detection of cytomegalovirus (CMV) by immunoassay among suspected individuals in selected areas of Pakistan
2. 2023-2024- Talha Ahmed, MS candidate at COMSATS University Islamabad (CUI)
Title: Detection of human toxoplasmosis by using IgG and IgM antibodies among suspected individuals from selected areas of Pakistan
3. 2023-2024- Muhammad Zubair Hassan, MS candidate at COMSATS University Islamabad (CUI)
Title: Detection of human toxoplasmosis by using IgG and IgM antibodies among suspected individuals from selected areas of Pakistan
4. 2021-2024- Meesam Abbas, MS candidate at COMSATS University Islamabad (CUI)
Title: Genetic characterization of hydatidosis in livestock of Pakistan
5. 2022-2024- Asma, MS candidate at COMSATS University Islamabad (CUI)
Title: Genetic characterization of tick borne pathogens in livestock of Pakistan
6. 2022-2024- Mansoor Hussain, MS candidate at COMSATS University Islamabad (CUI)
Title: Prevalence and epidemiology of ticks among equines of Sindh, Pakistan
7. 2021-2023-Muhammad Ahsan, MS candidate at COMSATS University Islamabad (CUI)
Title: Molecular detection of viruses in pets from Islamabad Pakistan
8. 2021-2023-Tooba Aftab, MS candidate at COMSATS University Islamabad (CUI)
Title: Rapid detection of canine distemper virus from Islamabad Pakistan
9. 2021-2023-Ammara Kanwal, MS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge assessment regarding food safety among rural areas of Pakistan
10. 2021-2023-Sumbal Fatima, MS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude, and practices regarding tick borne diseases and control strategies
11. 2021-2023-Anza Gul, MS candidate at COMSATS University Islamabad (CUI)
Title: Molecular detection of hydatid disease in humans of Pakistan
12. 2021-2023-Farwa, MS candidate at COMSATS University Islamabad (CUI)
Title: Machine learning for the diagnosis of cancer patients in Pakistan
13. 2021-2023-Haleema Kazmi, MS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge Attitude and Practices (KAP) regarding Lumpy skin disease in cattle (LSD) among livestock owners
14. 2021-2023-Rabia Ayub, MS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge attitude and practice of health care professionals towards lymphoedema
15. 2020-2022- Saher Fatima, MS candidate at COMSATS University Islamabad (CUI)
Title: Nanoanalysis of cerium oxide and its antimicrobial effects against multidrug resistant *Enterococci faecalis*
16. 2020-2022- Kainat Fatima, MS candidate at COMSATS University Islamabad (CUI)
Title: Title: Molecular detection of Distemper virus from pets admitted in veterinary clinics in Islamabad, Pakistan

17. 2020-2022- Seher Sarwar, MS candidate at COMSATS University Islamabad (CUI)
Title: Molecular detection of Parvo virus in pets admitted in veterinary clinics in Islamabad, Pakistan.
18. 2019-2021- Zeeshan Ahmed, MS candidate at COMSATS University Islamabad
Title: Molecular characterization of COVID-19 suspected cases and assessing the prevalence and determinants of vaccine hesitancy in residents of Pakistan.
19. 2019-2021- Rimsha Mumtaz, MS candidate at COMSATS University Islamabad
Title: Molecular detection and haplotype analysis of COVID-19 in Pakistan.
20. 2019-2021- Saima Amin, MS candidate at COMSATS University Islamabad (CUI)
Title: Spatial and temporal distribution of Echinococcus in twin cities (Rawalpindi and Islamabad) of Pakistan
21. 2019-2021- Muhammad Ziab, MS candidate at COMSATS University Islamabad
Title: Knowledge, risk factors and sociodemographic determinants regarding prostate cancer among general public in Pakistan
22. 2019-2020- Sana Kiani, MS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude, risk factors and sociodemographic determinants regarding colorectal cancer among residents of twin cities of Pakistan
23. 2019-2020- Rabia Awan, MS candidate at COMSATS University Islamabad (CUI)
Title: Seroprevalence of hepatitis C from patients having CVD disease at RIT, Pakistan
24. 2019-2020- Ayesha Kanwal, MS candidate at COMSATS University Islamabad (CUI)
Title: Incidence of Herpes simplex virus (HSV) in Rawalpindi & Islamabad, Pakistan
25. 2019-2021- Sidra Arif, MS candidate at COMSATS University Islamabad (CUI)
Title: Assessment of cell-free circulating mitochondrial DNA in cutaneous leishmaniasis infected patients under administration of common therapeutics
26. 2019-2021- Muhammad Nouman, MS candidate at COMSATS University Islamabad
Title: Assessment of prevalence of risk factors for cutaneous leishmaniasis (CL) through community assessment for public health emergency response (CASPER) method
27. 2019-2021- Urooj Farid, MS candidate at COMSATS University Islamabad (CUI)
Title: Evaluation of cellular apoptosis, viability and cell death ration in lymphocytes of cutaneous leishmania infected individuals
28. 2019-2021-Hira Zulfiqar, MS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude and practices (KAP) based assessment of antibiotic resistance among the residents of different cities (Islamabad, Rawalpindi and Wah Cantt) of Pakistan
29. 2019-2021- Ayesha Tahir, MS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude and practices (KAP) based assessment of bovine brucellosis among livestock owners of twin cities (Rawalpindi and Islamabad), Pakistan
30. 2019-2021- Burhan Naeem, MS candidate at COMSATS University Islamabad (CUI)
Title: A demographical survey on knowledge, attitudes and practices (KAP) regarding brucellosis among community members from Gilgit Baltistan, Pakistan
31. 2018-2020- Sudhair Raees, MS candidate at COMSATS University Islamabad (CUI)
Title: Molecular detection of echinococcosis in small ruminants of Rawalpindi, Pakistan

32. 2018-2020- Hafsha Saeed, MS candidate at COMSATS University Islamabad (CUI)
Title: A retrospective study on allergens and their immunological detection analysis
33. 2018-2020- Sameen Ullah Khan, MS candidate at COMSATS University Islamabad (CUI)
Title: Screening of allergens by immunological assays and association of risk factors among the infected individuals
34. 2013-2017- Haleema Atif, MS candidate at COMSATS University Islamabad (CUI)
Title: Screening for proteorhodopsins gene in bacteria isolated from aquatic environment.
35. 2013-2017- Kashf Naz, MS candidate at COMSATS University Islamabad (CUI)
Title: A demography on knowledge, attitude and Awareness of hydatid cyst disease in twin cities of Pakistan
36. 2017-2019- Jully Kumari, MS candidate at COMSATS University Islamabad (CUI)
Title: An epidemiological and molecular investigation of cystic echinococcosis from Peshawar, Pakistan
37. 2017-2018- Mahnoor Khan, MS candidate at COMSATS University Islamabad
Title: Seroepidemiology of human brucellosis in rural areas of Rawalpindi district, Pakistan
38. 2017-2018- Hajra Khurshid, MS candidate at COMSATS University Islamabad
Title: Seroepidemiological and risk factor analysis of brucellosis in blood donors of Islamabad, Pakistan
39. 2016-2018- Nazeer Hussain, MS candidate at COMSATS University Islamabad
Title: Molecular and epidemiological investigations of alveolar echinococcosis in Islamabad & Rawalpindi, Pakistan
40. 2015-2017- Habib Ullah, MS candidate at COMSATS University Islamabad (CUI)
Title: Nosocomial bacterial infections and nanoscale approaches to tackle the superbugs
41. 2015-2017- Huma Khan, MS candidate at COMSATS University Islamabad (CUI)
Title: An epidemiological and molecular investigation of cystic echinococcosis from KPK, Pakistan
42. 2012-2014-Ramsha Zahid, M.Phil candidate, Sargodha University, Pakistan
Title: A study on epidemiological profiling of human cysts of Sargodha district, Pakistan
43. 2012-2014-Mussarat Shahbaz, M.Phil candidate at Sargodha University, Pakistan
Title: Epidemiology and diagnosis of hydatidosis in Sargodha district, Pakistan
44. 2012-2014-Muhammad Naeem, M.Phil candidate Sargodha University, Pakistan
Title: An epidemiological study of prevalence of hepetatis strains in Sargodha district of Punjab Province, Pakistan
45. 2012-2014-Saba Akram, M.Phil. candidate, Sargodha University, Sargodha, Pakistan
Title: Occurrence of Cryptospridium spp. in livestock animals of Sargodha région of Punjab Province, Pakistan
46. 2012-2014-Ayesha Akram, M.Phil candidate candidate, Sargodha University, Sargodha, Pakistan
Title: Seroprevalence of toxoplasmosis in Sargodha district of Pakistan
47. 2011-2013-Javeria Asghar, M.Phil candidate candidate, Sargodha University, Sargodha, Pakistan
Title: A study on chemical profiling of citrus leaf miner (CLM) population of Sargodha district, Pakistan

48. 2011-2013-Tooba Karim, M.Phil candidate, Sargodha University, Sargodha, Pakistan
Title: A study on environmental conditions of citrus leaf miner (CLM) population of Sargodha district, Pakistan

Past Trainees / Mentees and Thesis advisor (BS)

1. 2021-2024-Noor-ul-Eman & Yashfa Qureshi, BS candidate at COMSATS University Islamabad (CUI)
Title: Prevalence of smoking among general population in Islamabad, Pakistan
2. 2021-2024-Muhammad Jawad Siddique, BS candidate at COMSATS University Islamabad (CUI)
Title: Socio-demographics, knowledge, attitude, practices, risk factors, one health and interventions regarding tularemia among general population of Pakistan
3. 2021-2024-Laiba Mumtaz & Muqaddas Sohail, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitudes, and practices (KAP) regarding lead poisoning
4. 2021-2024-Muhammad Mujahid Umar, Raja Suleman, BS candidate at COMSATS University Islamabad (CUI) Title: Epidemiology and detection of toxoplasmosis in humans
5. 2021-2024-Mah Ali Khan, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude and practices study on patterns of reproductive health among women of Pakistan
6. 2021-2024-Aleema Shahid, BS candidate at COMSATS University Islamabad (CUI)
Title: The impact of smoking on the physical and mental well-being of young adults
7. 2020-2024-Unsa Naeem Arshad, BS candidate at COMSATS University Islamabad (CUI)
Title: Epidemiological investigation on hydatid cyst disease in Pakistan
8. 2020-2024-Sara Zahid, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude , practices regarding osteoporosis in twin cities of Pakistan
9. 2020-2024-Sania Naseer a& Nimra Kamran, BS candidates at COMSATS University Islamabad (CUI) Title: Epidemiological investigation of Pneumonia in Islamabad, Pakistan
10. 2020-2024-Salma Bibi, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude and practices about Leprosy in twin cities of Pakistan
11. 2020-2024-Muqadas Manzoor, BS candidate at COMSATS University Islamabad (CUI)
Title: Epidemiological investigation on Tuberculosis in Pakistan
12. 2020-2024-Muhammad Ahsan, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge ,attitude, practices regarding Dengue fever in Pakistan
13. 2020-2024-Minahil Attiq, BS candidate at COMSATS University Islamabad (CUI)
Title: Epidemiological investigation on Human Leshmaniasis in Pakistan
14. 2020-2024-Maryam Hassan and Eisha Sajjad, BS candidates at COMSATS University Islamabad (CUI) Title: Awareness of Parapneumonic pleural effusion in Pakistan
15. 2020-2024-Laiba Faisal, BS candidate at COMSATS University Islamabad (CUI)
Title: Epidemiological investigation on Helicobacter Pylori in Pakistan
16. 2020-2024-Eisha Ali and Hajra Mazhar, BS candidates at COMSATS University Islamabad (CUI)
Title: Socio-demographics, knowledge ,attitude, practices, intervention and risk factors regarding Poly-cystic ovarian syndrome(PCOS) in twin cities of Pakistan

17. 2020-2024-Zahra Qamar and Qudsia-Tul-Muntaha, BS candidates at COMSATS University Islamabad (CUI)
Title: In-silico vaccine designing of naegleria fowleri for the treatment of primary amoebic Meningoencephalitis and evaluation of its immunological potential
18. 2020-2024-Nimra Bibi and Sidra Kiyani, BS candidate at COMSATS University Islamabad (CUI)
Title: In-silico vaccine development of Crimean congo haemorrhagic fever
19. 2018-2023- Huda Sajjad, BS candidate at COMSATS University Islamabad (CUI)
Title: A retrospective study human hydatid cyst disease in Islamabad, Pakistan during 2012-2023
20. 2018-2023- Muqaddas Irfan, BS candidate at COMSATS University Islamabad (CUI)
Title: IgG based detection of human echinococcosis in Islamabad during 2015-2023
21. 2018-2023- Kainat Bibi, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge assessment regarding monkeypox among rural areas of Pakistan
22. 2018-2023- Bazzal Muzaffar Khan, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge assessment regarding *Nagleria fowleri* in Pakistan
23. 2018-2023- Sundua Zahra & Wajiha Ali, BS candidate at COMSATS University Islamabad (CUI)
Title: A retrospective study on human leishmaniasis in Islamabad, Pakistan
24. 2018-2023- Hamna Khattak, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge and behavioral assessment regarding drug addiction in Pakistan
25. 2018-2023- Hamna Nadeem, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge assessment regarding breast cancer among rural areas of Pakistan
26. 2018-2023- Raana Amjad, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge and behavioral assessment regarding pink eye disease in Pakistan
27. 2018-2023- Rana Abdul Basit, BS candidate at COMSATS University Islamabad (CUI)
Title: Epidemiology of tick infestation in cattle of Pakistan
28. 2018-2023- Afaf Maryam, BS candidate at COMSATS University Islamabad (CUI)
Title: Epidemiology of tick infestation in pets of Pakistan
29. 2018-2023- Rahima Janjuva & Mustafa Imran Wayne, BS candidate at COMSATS University Islamabad (CUI)
Title: Epidemiology of toxoplasmosis in human of Pakistan
30. 2018-2023- Shabana Yaseen, BS candidate at COMSATS University Islamabad (CUI)
Title: Epidemiology of echinococcosis in human of Pakistan
31. 2018-2023- Kainat Afrus, BS candidate at COMSATS University Islamabad (CUI)
Title: Antibiotic resistance of zoonotic pathogens against selected antibiotics
32. 2018-2023- Hamza Ali, BS candidate at COMSATS University Islamabad (CUI)
Title: Demographic survey on solid fuel use and respiratory diseases
33. 2018-2023- Hamid Ali, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, Attitudes, and Practices Regarding Meningitis in Pakistan
34. 2018-2023- Iqra Farooq Hashmi, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitudes, and practices regarding encephalitis in Pakistan

35. 2018-2023- Hussain Abbas, BS candidate at COMSATS University Islamabad (CUI)
Title: Isolation of bacteria in synovial fluid and its resistance potential
36. 2018-2023- Hajra Sultana & Aliza Jamil, BS candidate at COMSATS University Islamabad (CUI)
Title: A demographic survey on malnutrition in context of infectious diseases in Pakistan
37. 2018-2023- Aiman Naseem, BS candidate at COMSATS University Islamabad (CUI)
Title: A demographic survey on Malaria Interventions among general population of Pakistan
38. 2018-2022- Wajiha Rajha & Wajiha Malik, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge assessment regarding diahera among rural areas of Pakistan
39. 2018-2022- Uzair & Hamza, BS candidate at COMSATS University Islamabad (CUI)
Title: A KAP survey regarding scabies in rural communities in Pakistan
40. 2018-2022- Ali & Zulqirnain, BS candidate at COMSATS University Islamabad (CUI)
Title: A KAP survey regarding education interventions of echinococcosis in Pakistan
41. 2018-2022- Shaher Bano, BS candidate at COMSATS University Islamabad (CUI)
Title: Mothers knowledge, attitude and practices regarding diarrheal prevention and management with children under 5 years of age: A cross sectional study
42. 2018-2022- Abeer Yosuf & Eman Waseem, BS candidate at COMSATS University Islamabad (CUI)
Title: A sociodemographic survey on Knowledge, Attitude, and Practice of disease Ascariasis in twin cities of Pakistan
43. 2018-2022- Fariha Ayub, BS candidate at COMSATS University Islamabad (CUI)
Title: Bioinformatics-based prediction and screening of immunogenic epitopes of *Toxoplasma gondii* rhoptry proteins 7, 21 and 22 as candidate vaccine target
44. 2018-2022- Tehreem Sohail, BS candidate at COMSATS University Islamabad (CUI)
Title: Comparison of silent information regulator proteins (SIR2rp1, SIR2rp2 and SIR2rp3) in *Leishmania major* for probable vaccine candidate by performing bioinformatic analysis
45. 2018-2022- Hadiqa Shahid & Nargis Naqvi, BS candidate at COMSATS University Islamabad (CUI)
Title: Haplotype analysis of selected genes (OPG047, OPG025, OPG188, OPG021 and OPG193) of monkeypox disease and their comparison to investigate the genetic drift by using computational tools.
46. 2018-2022- Lamhia & Syeda Attia Boukhari, BS candidate at COMSATS University Islamabad (CUI)
Title: Epidemiology of leishmaniasis in humans from different areas of Pakistan
47. 2018-2022- Syeda Furina & Usman, BS candidate at COMSATS University Islamabad (CUI)
Title: Epidemiology of ticks infestation among different hosts in different teshils of Rawalpindi, Pakistan
48. 2018-2022- Muskan Nasir & Aamina Kashaf, BS candidate at COMSATS University Islamabad (CUI), Title: Knowledge assessment regarding herbal use of medicinal plants in treating animal diseases in Pakistan
49. 2018-2022- Maheen Hanif, BS candidate at COMSATS University Islamabad (CUI)
Title: A demographic survey on zoonotic diseases of cats/dogs from Punjab province of Pakistan
50. 2018-2022- Naila Jamil, BS candidate at COMSATS University Islamabad (CUI)
Title: Awareness of alveolar echinococcosis in residents of Hunza, Pakistan.

51. 2018-2022- Summayia Ata, BS candidate at COMSATS University Islamabad (CUI)
Title: In silico secretome analysis of *Echinococcus multilocularis* and *Echinococcus granulosus* using expressed sequence tags
52. 2018-2022- Samira Naz & Rimsha Naz, BS candidate at COMSATS University Islamabad (CUI), Pakistan

Title: Designing a multi-epitope vaccine by bioinformatics analysis of seven novel proteins against *Echinococcus granulosus*
53. 2018-2022- Momina Syed, BS candidate at COMSATS University Islamabad (CUI)
Title: Perception regarding malaria from different areas of Punjab province, Pakistan.
54. 2018-2022 Fatima Sajjad, BS candidate at COMSATS University Islamabad (CUI)
Title: Association between obesity and polycystic ovary syndrome (PCOS) among infected women population of twin cities of Pakistan
55. 2018-2022- Aroosa Sarfraz, BS candidate at COMSATS University Islamabad (CUI)
Title: KAPs survey regarding heavy metals among highly risk fruit keepers located on roads in Pakistan
56. 2018-2022- Sadia Noureen, BS candidate at COMSATS University Islamabad (CUI)
Title: KAPs survey regarding heavy metals among highly risk occupation population in rural areas of Pakistan.
57. 2018-2022- Zohra Jabeen, BS candidate at COMSATS University Islamabad (CUI)
Title: KAPs survey regarding CCHF among cattle and goat owners in rural areas of Pakistan
58. 2018-2022- Iqra Naeem, BS candidate at COMSATS University Islamabad (CUI)
Title: KAPs survey regarding Hepatitis B among people of Kashmir.
59. 2018-2022- Sajila Bano, BS candidate at COMSATS University Islamabad (CUI)
Title: KAPs survey regarding prevalence of diabetes in Hunza, Pakistan
60. 2018-2022- Tulbina, BS candidate at COMSATS University Islamabad (CUI)
Title: Rabies, dog population and dynamics, consequences and public health policies in Pakistan
61. 2018-2022- Soha, BS candidate at COMSATS University Islamabad (CUI)
Title: KAPs survey regarding zoonotic diseases caused by stray dogs, their management and one health concept
62. 2018-2022- Saba, BS candidate at COMSATS University Islamabad (CUI)
Title: KAPs survey regarding rabies shopkeepers owners in rural communities of Pakistan
63. 2018-2022- Arooj Kiran, BS candidate at COMSATS University Islamabad (CUI)
Title: KAPs survey regarding rabies among cattle and goat owners in rural areas of Pakistan
64. 2018-2022- Ayesha Sana, BS candidate at COMSATS University Islamabad (CUI)
Title: KAPs survey regarding drinking water quality in context of metal contaminations among rural communities of Pakistan.
65. 2018-2022- Tania Javed, BS candidate at COMSATS University Islamabad (CUI)
Title: KAPs survey regarding heavy metals among highly risk occupation population in urban areas of Pakistan

66. 2017-2021- Kainat, BS candidate at COMSATS University Islamabad (CUI)
Title: Awareness about pets (dogs/cats) diseases in Pakistan.
67. 2017-2021- Isbah Maheen, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude and practice of mothers on prevention and control of intestinal parasitic infestations in Pakistan
68. 2017-2021- Ayesah Innayat, BS candidate at COMSATS University Islamabad (CUI)
Title: Attitude, practices and perception regarding vaccine hesitancy of COVID19 among general public of Pakistan.
69. 2017-2021- Fatima, BS candidate at COMSATS University Islamabad (CUI)
Title: Attitude, practices and perception regarding obesity among general public in Pakistan.
70. 2017-2021- Komal Zahra, BS candidate at COMSATS University Islamabad (CUI)
Title: Molecular detection of CCCHF from Punjab province of Pakistan
71. 2017-2021- Kashaf Khalid, BS candidate at COMSATS University Islamabad (CUI)
Title: COVID-19 vaccine acceptance in Pakistan
72. 2019-2020- Tooba Abbasi, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude and practices of toxoplasmosis among university female students in Pakistan
73. 2019-2020- Ariba Abbasi, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude and practices regarding diarrhea in Pakistan
74. 2019-2020- Saman Abbasi, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude and practices regarding chickenpox in Pakistan
75. 2019-2020- Nida Sehr, BS candidate at COMSATS University Islamabad (CUI)
Title: Assessment of knowledge, attitude and practices of hepatitis E in Pakistan
76. 2019-2020- Syeda Asra Batool, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude and practices regarding malaria among general public from rural and urban areas of Pakistan
77. 2019-2020- Sana Bhatti, BS candidate at COMSATS University Islamabad (CUI)
Title: Community based assessment of perception and knowledge of toxoplasmosis among general public women in Pakistan
78. 2019-2020- Saman Saba, BS candidate at COMSATS University Islamabad (CUI)
Title: Perception and risk factors of vitamen D deficiency among residents of Gilgit-Balitistan, Pakistan
79. 2019-2020- Anum Khan, BS candidate at COMSATS University Islamabad (CUI)
Title: Tick infestation among livestock of Dera Ismail Khan, Pakistan
80. 2019-2020- Maryam Imtiaz, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, Attitude and Practices of food poisoning among general public of Pakistan
81. 2019-2020- Bisma Tariq, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge and perception regarding typhoid fever in Pakistan
82. 2017-2020- Rawan Sajid, BS candidate at COMSATS University Islamabad (CUI)
Title: Incidence of cutaneous leishmaniasis (CL) in Baluchistan province of Pakistan

83. 2017-2020- Muhammad Tousef, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude and practices regarding zoonosis in Pakistan
84. 2017-2020- Usama Sultan, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude and practices regarding ticks and tick-borne diseases in Pakistan based on one health prospective.
85. 2016-2019- Laraib, BS candidate at COMSATS University Islamabad (CUI)
Title: Snail diversity and indices in selected areas of Pakistan
86. 2016-2019- Khadija Zahid, BS candidate at COMSATS University Islamabad (CUI)
Title: Designing a multi-epitope vaccine by bioinformatics analysis of Eg95, EgDf1 and EgAg5 protein against *Echinococcus granulosus*
87. 2016-2019- Shaheera Amjad, BS candidate at COMSATS University Islamabad (CUI)
Title: Perception and risk factor analysis of cystic echinococcosis (CE) in Pakistan.
88. 2016-2019- Arooj Rashid, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude and practices (KAPs) of taeniasis in livestock owners in Pakistan.
89. 2016-2019- Muhammad Nouman, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude and awareness of echinococcosis from Gujranwala, Pakistan
90. 2016-2019- Maham Arshad, BS candidate at COMSATS University Islamabad (CUI)
Title: Molecular insight of Echinococcus species
91. 2015-2019- Madiha Jahangir, BS candidate at COMSATS University Islamabad (CUI)
Title: Parasitic contamination in salads sold in markets of Islamabad & Rawalpindi
92. 2015-2019- Hayeqa Shahwar, BS candidate at COMSATS University Islamabad (CUI)
Title: Detection of Echinococcus spp. from vegetables in market of Rawalpindi
93. 2015-2019- Aima Sajjad, BS candidate at COMSATS University Islamabad (CUI)
Title: Detection of parasitic spp. from fruits sold in market of Islamabad
94. 2014-2018- Hina Fida, BS candidate at COMSATS University Islamabad (CUI)
Title: Population diversity and molecular modelling of Echinococcus spp. based on haplotype analysis
95. 2014-2018- Rimsha Ayyaz, BS candidate at COMSATS University Islamabad (CUI)
Title: Knowledge, attitude and awareness (KAP) of rabies in different areas of Pakistan.
96. 2013-2017- Qazal Waheed, BS candidate at COMSATS University Islamabad (CUI) Title:
Distribution and abundance of freshwater snails from Islamabad, Pakistan
97. 2013-2017- Rabia Khalid, BS candidate at COMSATS University Islamabad (CUI)
Title: An epidemiological survey on genotyping of Hepatitis strains in district Attock, Pakistan
98. 2013-2017- Zainab Rashid, BS candidate at COMSATS University Islamabad (CUI)
Title: Green antimicrobial agents against pathogenic bacteria.
99. 2012-2016- Sana Batool, BS candidate at COMSATS University Islamabad (CUI)
Title: An epidemiological survey on human hydatid cyst disease in twin cities of Pakistan

100. 2011-2015- Hamza Farooq, BS candidate at COMSATS University Islamabad (CUI)
Title: Epidemiological, characterization, distribution and prevalence of *Echinococcus granulosus* in livestock from Chakwal, Pakistan
101. 2014-2015-Salam Batool, MSc candidate, Sargodha University, Sargodha, Pakistan
Title: An epidemiological & taxonomical study of parasitic spp. in Rabbit of Sargodha, Pakistan
102. 2014-2015-Mehmooda, MSc candidate, Sargodha University, Sargodha, Pakistan
Title: An epidemiological & taxonomical study of parasitic spp in pigeons of Sargodha, Pakistan
103. 2010-2014- Marwa Arshad, BS candidate at COMSATS University Islamabad (CUI)
Title: Homology modeling and docking of kinetoplast membrane protein 11 in *Leishmania donovani*
104. 2010-2014- Samina Bano, BS candidate at COMSATS University Islamabad (CUI)
Title: Seroepidemiology and risk mapping of hepatitis B & C in Gilgit-Baltistan, Pakistan
105. 2010-2014- Muhammad Mushraf, BS candidate at COMSATS University Islamabad (CUI)
Title: Structural and functional characterization of Proteosome subunit beta in scabies
49. 2012-2014-Rana Kamran, MSc candidate Sargodha University, Sargodha, Pakistan

Title: Geographical distribution (GIS based) of tick infestation in cattle of Sargodha district of Punjab Province, Pakistan
106. 2009-2013- Irum Arif, BS candidate at COMSATS University Islamabad (CUI)
Title: Structural & functional characterization of hypodermis B & C proteins
107. 2010-2012-Asma Noureen, candidate, Sargodha University, Sargodha, Pakistan
Title: An epidemiological study on hypodermosis infestation in cattle of Sargodha district, Pakistan
108. 2010-2012-Shahtaj Ahmed, MSc candidate, Sargodha University, Sargodha, Pakistan
Title: An epidemiological study on warble fly infestation in goats of Sargodha district, Pakistan.

RESEARCH METTING SDGs



BIBLIOGRAPHY:

Peer reviewed manuscripts:

Articles: **226** (Impact Factor: **5488.2**), Citations: **12825+**, h-index=**43**, i10-index=**119**

(Google Scholar: <https://scholar.google.com/citations?user=Mnr7ISUAAAAJ>)

2025

1. **Ahmed H**, Sohail A, Celik F, Simsek S. 2024. Negative Binomial Approach: A useful application for the study of *Echinococcus granulosus*. *International Journal of Biomathematics*, <https://doi.org/10.1142/S1793524524500591> [IF: **2.2**, Q1].
2. Umhang G., Bastien F., Cartet A., **Ahmad H.**, van der Ark K., Berg R., Bonelli P., Davidson RK., Deplazes P., Deksne G., Gargate M. J., Van der Giessen J., Jamil N., Jokelainen P., Karamon J., M'Rad S., Maksimov P., Oudni-M'Rad M., Muchaamba G., Oksanen A., Boué F. (2025). Detection of *Echinococcus* spp. and other taeniid species in lettuces and berries: Two international multicenter studies from the MEmE project. *International Journal of Food Microbiology*, 2025,111059, Available online 6 January 2025, 111059, <https://doi.org/10.1016/j.ijfoodmicro.2025.111059> [IF: **5.0**, Q1].
3. Arshad, M., Ahmed, S., Masih, S., Gulzar, A., **Ahmed, H.**, Sunny, G.S. 2025. A Bibliometric Analysis of Global Research on Ticks, their Distribution and Epidemiology from 1970 to 2023. *International Journal of Agriculture and Biology*, 2025, 33(1), 330113, <https://doi.org/10.17957/IJAB/15.2259> [Q2].
4. Buja et al. 2023. The Global Burden of Suboptimal Breastfeeding from 1990 to 2019: Results and Insights of the Global Burden of Disease 2019 study. *The Lancet Global Health*, xxxx, Accepted, In press [IF: **19.9**].
5. GBD et al. 2023 Trends and Patterns of Childhood Exposure to Bullying Among Countries and Regions of the World, 1990-2019: A Systematic Analysis for the Global Burden of Disease Study 2019. *European Journal of Pediatrics*, Accepted, In press [IF: **3.0**, Q1].
6. Feigin VL, Theo Vos, Nair BS, Hay SI, Abate YH, Abd Al Magied AHA, Abd ElHafeez S, Abdelkader A, Abdollahifar MA, Abdullahi A, Aboagye RG, Abreu LG, Abu Rumeileh S, Abualruz H, Aburuz S, Abu-Zaid A, Addo IY, Adedoyin RA, Adepoju AV, Afzal MS, Afzal S, Ahmad A, Ahmad S, Ahmad T, Ahmadi A, Ahmadzade AM, Ahmed A, **Ahmed H**, Ahmed MA et al. 2025. Global, regional, and national burden of epilepsy, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Global health*, 24 February 2025. doi:[10.1016/S2468-2667\(24\)00302-5](https://doi.org/10.1016/S2468-2667(24)00302-5) [IF: **46.5**].
7. GBD et al. 2021. The global burden attributable to low bone mineral density: An updated and expanded analysis of a modifiable risk factor from GBD 2021. *The Lancet Rheumatology*, Accepted, In press [IF: **35.01**, Q1].
8. GBD et al. 2021. Global burden of vision impairment due to age-related macular degeneration, 1990–2021, with forecasts to 2050: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Global Health*, Accepted, In press [IF: **20.0**, Q1].
9. Zahra S, Ali W, Khan H, Khalid A, Khattak A, Khan N, Attiq M, Yang GJ, Shabbir RMK, **Ahmed H**. 2024. A retrospective study on human cutaneous leishmaniasis (CL) and first report on visceral leishmaniasis (VL) from Islamabad, Pakistan during 2012-2023. *Pakistan Journal of Zoology*, vol. XX(0), pp 000-000, 2024, doi: <https://dx.doi.org/10.17582> [IF: **0.68**, Q3].

10. Riaz S, **Ahmed H**, Celik S, Simsek S, Wade CM, Liu H, Cao J. 2024. Species-level Taxonomy and Diversity of Freshwater and Terrestrial Snails, and First Report of *Pseudonapaeus pretiosus* and *Succinea putris* in Azad Jammu and Kashmir (AJK), Pakistan, and Evaluation of their Role as Hosts of Trematode-borne Infections. *Pakistan Journal of Zoology*, vol. XX(0), pp, 000-000, [doi: https://dx.doi.org/10.17582](https://dx.doi.org/10.17582) [IF: 0.68, Q3].
11. GBD et al. 2022. Suicide and substance use in the international context. *Epidemiology and Psychiatric Sciences*, **Accepted, In press** [IF: 7.81, Q1].
12. GBD et al. 2022. The global burden of acute versus chronic care needs: Analysis of the Global Burden of Disease Study 2019. *Nature communications*, **Accepted, In press** [IF: 16.6, Q1].
13. Haeema S, Hussain M, Aftab T, Saeed MA, Afzal MS, Khan AA, Shabbir R.M.K, Ahmed H. 2024. Knowledge attitudes, practices (KAP) and risk factors regarding lumpy skin disease (LSD) in cattle among livestock owners from district Chakwal: A cross-sectional study. *Journal of the Hellenic Veterinary Medical Society*, **Accepted, In press** [IF: 0.44, Q2].
14. GBD et al. 2023. Global, Regional and National Burden of Non-traumatic Subarachnoid Hemorrhage and its Risk Factors – A Systematic Analysis for the Global Burden of Disease Study 2021. *Circulation*, **Accepted, In press** [IF: 35.01, Q1].
15. GBD et al. 2021. The global, regional, and national burden of Thyroid Cancer in 204 countries from 2010-2021; a systemic analysis of Global Burden of Disease 2021. *The lancet Oncology*, **Accepted, In press** [IF: 41.6, Q1].
16. Latif A, Bibi A Naseem S, Ali S, Khalid A, **Ahmed H**, Liaqat I. 2024. Antibiofilm and toxicity potential of biogenically synthesized silver nanoparticles. *Pakistan Journal of Zoology*, [doi: https://dx.doi.org/10.17582/journal.pjz/20240105143243](https://dx.doi.org/10.17582/journal.pjz/20240105143243) [IF: 0.68, Q3].
17. Marie Ng*, Gakidou E, Lo J, Abate YH, Abbafati C, Abbas N, Abbasian M, Abd ElHafeez S, Abdel-Rahman WM, Abd-Elsalam S, Abdollahi A, Abdoun M, Abdulah DM, Abdulkader RS, Abdullahi A, Abedi A, Abeywickrama HM, Abie A, Aboagye RG, Abohashem S, Abtahi D, Abualruz H, Abubakar B, Abu Farha RK, Abukhadajah HJ, Abu-Rmeileh NME, Aburuz S, Abu-Zaid A, Adams LC, Adane MM, Addo IY, Adedokun KA, Adegoke NA, Adepoju AVV, Adesola RO, Adeyeoluwa TE, Adiga U, Adnani QES, Afaghi S, Afzal S, Afzal MS, Agampodi TC, Aghamiri S, Sobrinho CA, Agyemang-Duah W, Ahlstrom AJ, Ahmad D, Ahmad S, Ahmad A, Ahmad MM, Ahmad F, Ahmad N, **Ahmed H**, Ahmed MB et al. 2025. Global, regional, and national prevalence of adult overweight and obesity, 1990–2021, with forecasts to 2050: a forecasting study for the Global Burden of Disease Study 2021. *The Lancet*, 03 March 2025. [doi: 10.1016/S0140-6736\(25\)00355-1](https://doi.org/10.1016/S0140-6736(25)00355-1) [IF: 98.7, Q1].
18. Kerr JA, Patton GC, Cini KI, Abate YH, Abbas N, Abdallah H A Abd Al Magied, Samar Abd ElHafeez, Sherief Abd-Elsalam, Arash Abdollahi, Abdoun M, Abdulah DM, Abdulkader RS, Abdullahi A, Abeywickrama HM, Abie A, Abiodun O, Abohashem S, Abtahi D, Abualruz H, Abubakar B, Eman Abu-Gharbieh, Abukhadajah HJ, Abu-Rmeileh NME, Aburuz S, Abu-Zaid A, Adams LC, Adane MM, Addo IY, Adedokun KA, Adegoke NA, Adesola RO, Adetunji JB, Temitayo Esther Adeyeoluwa, Usha Adiga, Qorinah Estiningtyas Sakilah Adnani, Abdelrahman Yousry Afify, Aanuoluwapo Adeyimika Afolabi, Afzal MS, Afzal S, Agampodi SB, Aghamiri S, Sobrinho CA, Agyemang-Duah W, Ahinkorah BO, Ahlstrom AJ, Ahmad A, Ahmad D, Ahmad F, Ahmad MM, Ahmad N, Ahmad S, Ahmed A, **Ahmed H**, Ahmed LA et al. 2025. Global, regional, and national prevalence of child and adolescent overweight and obesity, 1990-2021, with forecasts to 2050: a forecasting study for the Global Burden of Disease Study 2021. *The Lancet*, 03 March 2025. [doi: 10.1016/S0140-6736\(25\)00397-6](https://doi.org/10.1016/S0140-6736(25)00397-6) [IF: 98.7, Q1].

19. GBD et al. 2021. Global population-level risks of dietary iron deficiency and its impairment, 1990–2021: A Systematic Analysis for the Global Burden of Disease Study 2021. *Nature Medicine*, **Accepted, In press [IF: 58.7, Q1]**.
20. GBD et al. 2021. Global, Regional, and National Burden of Rheumatic Heart Disease, 1990 – 2022. *New England Journal of Medicine*, **Accepted, In press [IF: 96.7, Q1]**.
21. Bennitt FB, Wozniak S, Causey K, Spearman S, Okereke C, Garcia V, Hashmeh N, Ashbaugh C, Abdelkader A, Abdoun M, Abdurebi MJ, Abedi A, Zuñiga RAA, Aboagye RG, Abubakar B, Abu-Zaid A, Adane MM, Adegboye OA, Adekanmbi V, Adepoju AV, Adeyeoluwa TE, Adeyomoye OI, Adha R, Afzal MS, Afzal S, Agide FD, Ahmad A, Ahmad D, Ahmad MM, Ahmad S, Ahmadi A, Ahmadi S, Ahmed A, Ahmed A, Ahmed H, Ajami M et al., 2025. Global, regional, and national burden of household air pollution, 1990–2021: a systematic examination for the Global Burden of Disease Study 2021. *The Lancet*, Published online March 18, 2025 [https://doi.org/10.1016/S0140-6736\(24\)02840-X](https://doi.org/10.1016/S0140-6736(24)02840-X) **[IF: 98.7, Q1]**.
22. Weaver ND, Bertolacci GJ, Rosenblad E, Ghoba S, Cunningham M, Ikuta KS, Moberg ME, Mougin V, Han C, Wool EE, Abate YH, Adewuyi HO, Adnani QES, Adzigbli LA, Afolabi AA, Agampodi SB, Ahinkorah BO, Ahmad A, Ahmad D, Ahmad S, Ahmed A, **Ahmed H**, Al Hamad H et al. 2025. Global, regional, and national burden of suicide 1990 to 2021: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Public Health*. February 19, 2025. doi:[10.1016/S2468-2667\(25\)00006-4](https://doi.org/10.1016/S2468-2667(25)00006-4). **[IF: 25.4, Q1]**.
23. Rautalin I. , Volovici V. , Kaprio J., Korja M., Krishnamurthi R., Nair B., Ranta A., Rinkel G., Vergouwen M. , Feigin V. , Stark B. , Johnson C. , Abate Y. , Abbastabar H. , Abd-Allah F. , Abdelkader A. , Abdi C. , Abdollahi A. , Abdullahi A. , Abiodun O. , Aboagye R. , Abouzid M. , Abtahi D. , Rumeileh SA. , Abualhasan A. , Abualruz H. , Abukhadajah H. , Abu-Zaid A. , Adamu L. , Addo I. , Adedoyin R. , Adegboye O. , Adra S. , Adzigbli L. , Agyemang-Duah W. , Ahinkorah B. , Ahmad A. , Ahmad D. , Ahmadzade AM. , Ahmed A. , **Ahmed H** , Ahmed SA. (2025). Global, Regional, and National Burden of Non-traumatic Subarachnoid Hemorrhage, is being considered for possible publication. *JAMA Neurology*, **Accepted, In press [IF:20.40]**.
24. GBD et al. 2022. Global, regional, and national burden of chronic respiratory diseases and the COVID-19 pandemic-driven estimates, 1990-2021: a Global Burden of Disease Study.. *The lancet Respiratory Medicine*, **Accepted, In press [IF: 38.7]**.
25. GBD et al. 2022 Asthma and atopic dermatitis in Asia, 1990–2021: the Global Burden of Disease Study 2021. *Nature Medicine*, **Accepted, In press [IF: 58.7]**.
26. Weaver ND, Bertolacci GJ, Rosenblad E, Ghoba S, Cunningham M, Ikuta KS, Moberg ME, Mougin V, Han C, Wool EE, Abate YH, Adewuyi HO, Adnani QES, Adzigbli LA, Afolabi AA, Agampodi SB, Ahinkorah BO, Ahmad A, Ahmad D, Ahmad S, Ahmed A, **Ahmed H**, Al Hamad H et al., 2025. Global, regional, and national burden of suicide, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Public Health*, 10 (3); E189-E202, March 2025. doi: [10.1016/S2468-2667\(25\)00006-4](https://doi.org/10.1016/S2468-2667(25)00006-4) **[IF: 25.4, Q1]**.

2024

27. Bukhari A, Shafqat L, Shumaila N, Emina D, Lejla L, Zurifa L, **Ahmed H**, Cao J. 2023. Incidence of cutaneous leishmaniasis in humans during the Covid-19 pandemic in Bluchistan province, Pakistan. *Journal of Infection in Developing Countries (JIDC)*, June 30;18(6):862-869. doi: [10.3855/jidc.17781](https://doi.org/10.3855/jidc.17781) **[IF: 2.45, Q2]**.
28. Gona, P.N., Estrada-Martinez, L.M., Zhang, L, **Ahmed H** et al. 2024. Racial disparity in mortality from tuberculosis in the US between states with and without a history of Jim-Crow laws: an

analysis of the Global Burden of Disease (GBD) and risk factors study, 1990 to 2019. *BMC Public Health*, 24, 3075 (2024). <https://doi.org/10.1186/s12889-024-20522-9> [IF: 3.50, Q1].

29. Krkic-Dautovic S, Salihbegovic A, Dervisevic E, Gojak R, Hadzovic-Cengic M, Duratbegovic D, Mostarac N, Begic J, **Ahmed H**. 2014. Clinical Manifestations of European Borreliosis on the Skin in Acute, Subacute and Chronic Disease. *Mater Sociomed*; 36(1): 33-39. doi: [10.5455/msm.2024.36.33-39](https://doi.org/10.5455/msm.2024.36.33-39) [IF: 1.0, Q2].
30. Celik F, Selick A, Kescik H, **Ahmed H**, Simsek S, Wang Y, Cao J. 2024. Molecular discrimination of G1 and G3 genotypes of *Echinococcus granulosus sensu stricto* obtained from human, cattle, and sheep using the mitochondrial NAD dehydrogenase subunit 5 marker. *Acta Tropica*, 252(April):107124, <https://doi.org/10.1016/j.actatropica.2024.107124> [IF: 2.60, Q1].
31. Shairbano, Sultana N, **Ahmed H**, Zhang J, Cao J. 2024. Mothers' Knowledge, Attitudes, and Practices Regarding the Prevention and Management of Diarrhea among Children in Pakistan: A Cross-Sectional Study. *American Journal of Tropical Medicine and Hygiene*, 2024 Jul 2;111(3):682-693, doi:10.4269/ajtmh.23-0655 [IF: 3.70, Q1].
32. Pesudovs, K., Lansingh, V. C., Kempen, J. H., Tapply, I., Fernandes, A. G., Cicinelli, M. V., Arrigo, A., Leveziel, N., Briant, P. S., Vos, T., Resnikoff, S., Taylor, H. R., Sedighi, T., Flaxman, S., Steinmetz, J., Bourne, R., Pesudovs K, Lansingh VC, Kempen JH, Tapply I, Fernandes AG, Cicinelli MV, Arrigo A, Leveziel N, Briant PS, Vos T, Resnikoff S, Taylor HR, Sedighi T, Flaxman S, Abate YH, Abdollahi M, Abdollahi M, Abebe AM, Abiodun O, Aboagye RG, Abrha WA, Abualruz H, Ali HA, Abu-Gharbieh E, Aburuz S, Adal TGG, Adane MM, Addo IY, Adnani OES, Afzal MS, Aghamiri S, Ahinkorah BO, Ahmad A, Ahmad S, Ahmadi A, Ahmed A, **Ahmed H**, Alfaar AS et al. 2024. Global estimates on the number of people blind or visually impaired by cataract: a meta-analysis from 2000 to 2020. *Eye*, doi: <https://doi.org/10.1038/s41433-024-02961-1> [IF: 3.50, Q1].
33. Malakan Rad, E., Momtazmanesh, S., Saeedi Moghaddam, S., Rezaei, N., Rezaei, N., Jamshidi, H., Naghavi, M., Larijani, B., Farzadfar, F, Rad EM, Momtazmanesh S, Moghaddam SS, Rezaei N, Rezaei N, Abbasi-Kangevari M, Abbasi-Kangevari Z, Abbastabar H, Abidi H, Afzal MS, Ahmadi S, **Ahmed H**, Almustanyir S et al., 2024. Infective Endocarditis in North Africa and the Middle East, 1990–2019: Updates from the Global Burden of Disease Study 2019. *Archives of Iranian medicine*, 27(5), 229–238. <https://doi.org/10.34172/aim.2024.34> [IF: 2.1, Q1].
34. Steinmetz JD, Seeher KM, Schiess N, Nichols E, Cao B, Servili C, Cavallera V, Cousin E, Hagins H, Moberg ME, Mehlman ML, Abate YH, Abbas J, Abbasi MA, Abbasian M, Abbastabar H, Abdelmasseh M, Abdollahi M, Abdollahi M, Abdollahifar MA, Abd-Rabu R, Abdulah DM, Abdullahi A, Abedi A, Abedi V, Zuñiga RAA, Abid Hi, Abiodun O, Aboagye RG, Abolhassani H, Aboyans V, Abrha WA, Abualhasan A, Abu-Gharbieh E, Aburuz S, Adamu LH, Addo IY, Adebayo OM, Adekanmbi V, Adekiya TA, Adikusuma W, Adnani QES, Adra S, Afework T, Afolabi AA, Afraz A, Afzal S, Aghamiri S, Agodi A, Agyemang-Duah W, Ahinkorah BO, Ahmad A, Ahmad D, Ahmad S, Ahmadzade AM, Ahmed A, Ahmed A, **Ahmed H**, Ahmed JV et al., 2024. Global, regional, and national burden of disorders affecting the nervous system, 1990–2021: a systematic analysis of the Global Burden of Disease Study 2021. *The Lancet Neurology*, Published:March 14, 2024, doi: [https://doi.org/10.1016/S1474-4422\(24\)00038-3](https://doi.org/10.1016/S1474-4422(24)00038-3) [IF: 59.93, Q1].
35. Ledesma JR, Jianing Ma, Zhang M, Basting AVL, Chu HT, Vongpradith A, Novotney A, LeGrand KE, Xu YY, Dai X, Nicholson SI, Stafford LK, Carter A, Ross JM, Abbastabar H, Abdoun M, Abdulah DM, Aboagye RG, Abolhassani H, Abrha WA, Ali HA, Abu-Gharbieh E, Aburuz S, Addo IY, Adepoju AV, Adhikari K, Adnani QES, Adra S, Afework A, Aghamiri S, Agyemang-Duah W, Ahinkorah BO, Ahmad D, Ahmad S, Ahmadzade AM, **Ahmed H**, Ahmed M et al., 2024. Global, regional, and national age-specific progress towards the 2020 milestones of the WHO End TB Strategy: a systematic analysis

for the Global Burden of Disease Study 2021. *The Lancet Infectious Diseases*. 19 March 2024. doi:10.1016/S1473-3099(24)00007-0 [IF: 56.3, Q1].

36. Schumacher AE, Kyu HH, Aali A, Abbafati C, Abbas J, Abbasgholizadeh R, Abbasi MA, Abbasian M, ElHafeez SA, Abdelmasseh M, Abd-El salam S, Abdelwahab A, Abdollahi M, Abdoun M, Abdullahi A, Abdurehman AM, Abebe M, Abedi A, Abedi A, Abegaz TM, Zuñiga RAA, Abhilash ES, Abiodun OO, Aboagye RG, Abolhassani H, Abouzid M, Abreu LG, Abrha WA, Abrigo MRM, Abtahi D, Rumeileh SA, Abu-Rmeileh NME, Aburuz S, Abu-Zaid A, Acuna JM, Adair T, Addo IY, Adebayo OM, Adegboye OA, Adekanmbi V, Aden B, Adepoju AV, Adetunji CO, Adeyeoluwa TE, Adeyomoye OI, Adha R, Adibi A, Adikusuma W, Adnani QES, Adra S, Afework A, Afolabi AA, Afraz A, Afyouni S, Afzal S, Agasthi P, Aghamiri S, Agodi A, Agyemang-Duah W, Ahinkorah BO, Ahmad A, Ahmad D, Ahmad F, Ahmad MM, Ahmad T, Ahmadi K, Ahmadzade AM, Ahmadzade M, Ahmed A, **Ahmed H**, Ahmed LA, Ahmed MB et al. 2024. Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950–2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021. *The Lancet*, 10440, P2204-2256, May 18, 2024. doi: [https://doi.org/10.1016/S0140-6736\(24\)00476-8](https://doi.org/10.1016/S0140-6736(24)00476-8) [IF: 168.9, Q1].
37. Bhattacharjee NV, Schumacher AE, Aali A, Abate YH, Abbasgholizadeh R, Abbasian M, Abbasi-Kangevari M, Abbastabar H, ElHafeez SA, Abd-El salam S, Abdollahi M, Abdollahifar MA, Meriem Abdoun, Auwal Abdullahi, Mesfin Abebe, Samrawit Shawel Abebe, Abiodun O, Abolhassani H, Abolmaali M, Abouzid M, Aboye, Abreu LGGB, Abrha WA, Abrigo MRM, Abtahi D, Abualruz H, Abubakar B, Abu-Gharbieh E, Abu-Rmeileh NME, Adal TGG, Adane MM, Oluwafemi Atanda Adeagbo Adeagbo, Rufus Adesoji Adedoyin, Victor Adekanmbi, Bashir Aden, Abiola Victor Adepoju, Olatunji O Adetokunboh, Juliana Bunmi Adetunji, Daniel Adedayo Adeyinka, Adeyomoye OI, Adnani QES, Adra S, Afolabi RF, Afyouni S, Afzal MS, Afzal S, Aghamiri S, Agodi A, Agyemang-Duah W, Ahinkorah BO, Alstrom AJ, Ahmad A, Ahmad D, Ahmad F, Ahmad MM, Ahmad S, Ahmad T, Ahmed A, Ahmed A, **Ahmed H**, Ahmed LA et al., 2024. Global fertility in 204 countries and territories, 1950-2021, with forecasts to 2100: a comprehensive demographic analysis for the Global Burden of Disease Study 2021. *The Lancet*, 403, 10440, P2057-2099, May 18, 2024. doi: [10.1016/S0140-6736\(24\)00550-6](https://doi.org/10.1016/S0140-6736(24)00550-6). [IF: 168.9, Q1].
38. Bender RG, Sirota SB, Swetschinski LR, Dominguez RV, Novotney A, Wool EE, Ikuta KS, Vongpradith A, Rogowski ELB, Doxey M, Troeger CE, Albertson SB, Ma J, He J, Maass KL, Simões EAF, Abdoun M, Aziz JMA, Abdulah DM, Rumeileh SA, Abualruz H, Aburuz S, Adepoju AV, Adha R, Adikusuma W, Adra S, Afraz A, Aghamiri S, Agodi A, Ahmadzade AM, **Ahmed H**, Ahmed A et al., 2024. Global, regional, and national incidence and mortality burden of non-COVID lower respiratory infections and aetiologies, 1990–2021: a systematic analysis from the Global Burden of Disease Study 2021. *The Lancet Infectious Diseases*, 15 April 2024. doi: [10.1016/S1473-3099\(24\)00176-2](https://doi.org/10.1016/S1473-3099(24)00176-2) [IF: 56.3, Q1].
39. Naghavi M, Ong KL, Aali A, Ababneh HS, Abate YH, Abbafati C, Abbasgholizadeh R, Abbasian M, Abbasi-Kangevari M, Abbastabar H, Abd ElHafeez S, Abdelmasseh M, Abd-El salam S, Abdelwahab A, Abdollahi M, Abdollahifar MA, Abdoun M, Abdulah DM, Abdullahi A, Abebe M, Abebe SS, Abedi A, Abegaz KH, Abhilash ES, Abidi H, Abiodun O, Aboagye RG, Abolhassani H, Abolmaali M, Abouzid M, Aboye GB, Abreu LG, Abrha WA, Abtahi D, Rumeileh SA, Abualruz H, Abubakar B, Abu-Gharbieh E, Abu-Rmeileh NME, Aburuz S, Abu-Zaid A, Accrombessi MMK, Adal TG, Adamu AA, Addo IY, Addolorato G, Adebisi AO, Adekanmbi V, Abiola Victor Adepoju, Adetunji CO, Adetunji JB, Adeyeoluwa TE, Adeyinka DA, Adeyomoye OI, Admass BAA, Adnani QES, Adra S, Afolabi AA, Afzal MS, Afzal S, Agampodi SB, Agasthi P, Aggarwal M, Aghamiri S, Agide FD, Agod A, Agrawal A, Agyemang-Duah W, Ahinkorah BO, Ahmad A, Ahmad D, Ahmad F, Ahmad MM, Ahmad S, Ahmad S, Ahmad T, Ahmadi K, Ahmadzade AM, Ahmed A, Ahmed A, **Ahmed H**, Ahmed LU et al. 2024. Global burden of 288 causes of death and life expectancy decomposition in 204 countries and

territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet*, 2024 May 18;403(10440):2100-2132. doi: [10.1016/S0140-6736\(24\)00367-2](https://doi.org/10.1016/S0140-6736(24)00367-2) [IF: 168.9, Q1].

40. Vollset SE, Ababneh HS, Abate YH, Abbafati C, Abbasgholizadeh R, Abbasian M, Abbastabar H, Magied AHA, ElHafeez SA, Abdelkader A, Abdelmasseh M, Abd-Elsalam S, Parsa Abdi, Mohammad Abdollahi, Abdoun M, Abdullahi A, Abebe M, Abiodun O, Aboagye RG, Abolhassani H, Abouzid M, Aboye GB, Abreu LG, Absalan A, Abualruz H, Abubakar B, Abukhadijah HJJ, Addolorato G, Adekanmbi V, Adetunji CO, Adetunji JB, Adeyeoluwa TE, Adha R, Adhikary RK, Adnani QES, Adzighli LK, Afrashteh F, Afzal MS, Afzal S, Agbozo F, Agodi F, Agrawal A, Agyemang-Duah W, Ahinkorah BO, Ahlstrom AJ, Ahmad A, Ahmad F, Ahmad MM, Ahmad S, Ahmad S, Ahmed A, Ahmed A, **Ahmed H** et al. 2024. Burden of disease scenarios for 204 countries and territories, 2022–2050: a forecasting analysis for the Global Burden of Disease Study. *The Lancet*, 10440, P2204-2256, May 18, 2024, [https://doi.org/10.1016/S0140-6736\(24\)00685-8](https://doi.org/10.1016/S0140-6736(24)00685-8) [IF: 168.9, Q1].
41. Bibi S, **Ahmed H**, Kamran M, Shah NA. 2024. Knowledge, attitude and practices regarding the relationship of obesity with diabetics among the general community of Pakistan. *Heliyon*, 10(8); E29081, Published: April 04, 2024, <https://doi.org/10.1016/j.heliyon.2024.e29081> [IF: 3.0, Q1].
42. Sirota SB, Doxey CM, Dominguez RV, Bender RG, Vongpradith A, Albertson SB, Novotney A, Burkart K, Carter A, Abdi P, Abdoun M, Abebe AM, Abegaz KH, Aboagye RG, Abolhassani H, Abreu LG, Abualruz H, Abu-Gharbieh E, Aburuz S, Adane MM, Addo IY, Adekanmbi V, Adnani QES, Adzighli LA, Afzal MS, Afzal S, Ahinkorah BO, Ahmad S, Ahmed A, **Ahmed H**, Ahmed SA, et al. 2024. Global, regional, and national burden of upper respiratory infections and otitis media, 1990–2021: a systematic analysis from the Global Burden of Disease Study 2021. *The Lancet Infectious Diseases*, Online first, September 09, 2024, doi: [10.1016/S1473-3099\(24\)00430-4](https://doi.org/10.1016/S1473-3099(24)00430-4) [IF: 56.3, Q1].
43. Austin Carter et al. 2021. Global, regional, and national burden of HIV/AIDS, 1990–2021, and forecasts to 2050, for 204 countries and territories: the Global Burden of Disease Study 2021. *The Lancet HIV*, 25 November 2024. doi: [10.1016/S2352-3018\(24\)00212-1](https://doi.org/10.1016/S2352-3018(24)00212-1) [IF: 16.01, Q1].
44. Leary PJ, Lindstrom M, Johnson CO, Emmons-Bell S, Rich S, Corris PA, DuBrock HM, Ventetuolo CE, Abate YH, Abdelmasseh M, Aboagye RG, Abualruz H, Abu-Gharbieh E, Aburuz S, Adamu LH, Adão R, Addo IY, Adedoyin RY, Adetunji JB, Adzighli LA, Ahinkorah BO, Ahmad F, Ahmadzade AM, Ahmed A, **Ahmed H**, Ahmed SA, et al. 2024. Global, regional, and national burden of pulmonary arterial hypertension, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Respiratory Medicine*, Online first, October 18, 2024, doi: [10.1016/S2213-2600\(24\)00295-9](https://doi.org/10.1016/S2213-2600(24)00295-9) [IF: 38.7, Q1].
45. Mohammad-Reza Malekpour, Rezaei N, Azadnajafabad S, Khanali J, Azangou-Khyavy M, Moghaddam SS, Heidari-Foroozan M, Rezazadeh-Khadem S, Seyyed-Hadi Ghamari, Abbasi-Kangevari M, Gebreheat Abady G, Abdulkader RZ, Abebe AM, Abu-Gharbieh E, Acharya D, Addo IY, Adeagbo OT, Adegboye OA, Adeyinka DA, Adnani QES, Afolabi AA, Afzal S, Afzal MS, Ahmad S, Ahmad A, Ahmadi A, Ahmadi H, **Ahmed H**, et al. 2024. Global, regional, and national burden of injuries, and burden attributable to injuries risk factors, 1990 to 2019: results from the Global Burden of Disease study 2019. *Public health*, 237(December), 212–231. <https://doi.org/10.1016/j.puhe.2024.06.011> [IF: 3.90, Q1].
46. Bryazka B, Reitsma MB, Abate YH, Abd Al Magied AHA, Abdelkader A, Abdollahi A, Abdoun M, Abdulkader RS, Zuñiga RAA, Abhilash ES, Abiodun OO, Abiodun O, Aboagye RG, Abreu LG, Abtahi D, Abualruz H, Abubakar B, Abu-Rmeileh NME, Aburuz S, Abu-Zaid A, Adane MM, Adebisi AO, Adegboye OA, Adekanmbi V, Adewuyi HO, Adnani QES, Adzighli LA, Afaghi S, Afolabi AA, Afzal MS, Afzal S, Agodi A, Agyemang-Duah W, Ahinkorah BO, Ahlstrom AJ, Ahmad A, Ahmad D, Ahmad MM, Ahmad S, Ahmad S, Ahmadi A, Ahmed A, Ahmed A, **Ahmed H**, Ahmed MB., et al. 2024. Forecasting the effects of smoking prevalence scenarios on years of life lost and life expectancy from 2022 to

- 2050: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Public Health*, 9(10); E729-E744, October 2024. doi: 10.1016/S2468-2667(24)00166-X [IF: 24.4].
47. Comfort H, McHugh TA, Schumacher AE, Harris A, May EA, Paulson KR, Gardner WM, Fuller JE, Frisch ME, Taylor HJ, Leever AT, Teply C, Verghese NA, Alam T, Abate YH, Abbastabar H, Abd ElHafeez S, Abdelmasseh M, Abd-Elsalam S, Abdissa D, Abdoun M, Abdulkader RS, Abebe M, Abedi A, Abidi H, Abiodun O, Aboagye RG, Abolhassani H, Abrigo MRM, Abu-Gharbieh E, Abu-Rmeileh NME, Adane MM, Addo IY, Adema BG, Adesina MA, Adetunji COO, Adeyinka DA, Adnani QES, Afzal S, Agampodi SB, Agodi A, Agyemang-Duah W, Ahinkorah BO, Ahmad A, Ahmad D, Ahmadi A, Ahmed A, **Ahmed H**, Ahmed LA, Ajami M, et al. 2024. Global, regional, and national stillbirths at 20 weeks' gestation or longer in 204 countries and territories, 1990–2021: findings from the Global Burden of Disease Study 2021. *The Lancet*, 404 (10466); P1955-1988, November 16, 2024, doi: 10.1016/S0140-6736(24)01925-1 [IF: 98.40, Q1].
 48. Naghavi M, Vollset SE, Ikuta KS, Swetschinski LR, Gray AP, Wool EE, Aguilar GR, Mestrovic T, Smith G, Han C, Hsu RL, Chalek J, Araki DT, Chung E, Raggi C, Hayoon AG, Weaver ND, Lindstedt PA, Smith AE, Altay U, Bhattacharjee NV, Giannakis K, Fell F, McManigal B, Ekapirat N, Mendes JA, Runghien T, Srimokla O, Abdelkader A, Abd-Elsalam S, Aboagye RG, Abolhassani H, Abualruz H, Abubakar U, Abukhadajah HJ, Aburuz S, Abu-Zaid A, Achalapong S, Addo IY, Adekanmbi V, Adeyeoluwa TE, Adnani QES, Adzibbli LA, Afzal MS, Afzal S, Agodi A, Ahlstrom JA, Ahmad A, Ahmad S, Ahmad T, Ahmadi A, Ahmed A, **Ahmed H**, Ahmed I, et al., 2024. Global burden of bacterial antimicrobial resistance 1990–2021: a systematic analysis with forecasts to 2050. *The Lancet*, 2024 Sep 28;404(10459):1199-1226. doi: 10.1016/S0140-6736(24)01867-1 [IF:98.4, Q1].
 49. Kou et al. 2021. Global, regional, and national age-sex-specific burden of diarrhoeal diseases, its risk factors, and aetiologies, 1990–2021, for 204 countries and territories: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Infectious Diseases*, **Accepted, In press**
 50. Kyu HH, Vongpradith A, Regina-Mae Villanueva Dominguez, Ma J, Albertson SB, Novotney A, Khalil IA, Troeger CE, Doxey MC, Ledesma JR, Sirota SB, Bender RG, Swetschinski LR, Cunningham M, Spearman S, Abate YH, Magied AH, Abd ElHafeez S, Abdoun M, Abera B, Abidi H, Aboagye RG, Abtew YD, Abualruz H, Abu-Gharbieh E, Abukhadajah HJ, Aburuz S, Addo IY, Adekanmbi V, Adetunji COO, Adeyeoluwa TE, Adhikary RK, Adnani QES, Adra S, Adzibbli LA, Afolabi AA, Afzal MS, Afzal S, Agampodi SB, Agide FD, Ahinkorah BO, Ahmad A, Ahmad S, Ahmed A, Ahmed A, **Ahmed H**, Ahmed S et al., 2024. Global, regional, and national age-sex-specific burden of diarrhoeal diseases, their risk factors, and aetiologies, 1990–2021, for 204 countries and territories: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Infectious Diseases*, 18 December 2024. doi: 10.1016/S1473-3099(24)00691-1 [IF: 36.4, Q1].
 51. Valery L Feigin, Abate MD, Abate YH, Abd ElHafeez S, Abd-Allah F, Abdelalim A, Abdelkader A, Abdelmasseh M, Abd-Elsalam S, Abdi P, Abdollahi A, Abdoun M, Abd-Rabu R, Abdulah DM, Abdullahi A, Abebe M, Zuñiga RAA, Abhilash ES, Abiodun OO, Abiodun O, Abo Kasem R, Aboagye RG, Abouzid M, Abreu LG, Abrha WA, Abtahi D, Rumeileh SA, Abualhasan A, Abualruz H, Abu-Gharbieh E, Abukhadajah HJ, Abu-Rmeileh NME, Aburuz S, Abu-Zaid A, Acuna JM, Adane DE, Adane MM, Addo IY, Adedoyin RA, Adegboye OA, Adekanmbi VA, Adhikari K, Adnani QES, Adra S, Adzibbli LA, Afify AY, Afolabi AA, Afrashteh F, Afzal MS, Afzal S, Aghamiri S, Agyemang-Duah W, Ahinkorah BO, Ahmad A, Ahmad MM, Ahmad S, Ahmad S, Ahmad T, Ahmadzade AM, Ahmed A, Ahmed A, **Ahmed H**, et al. 2024. Global, regional, and national burden of stroke and its risk factors, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Neurology*, 23(10), P973-1003, October 2024. doi: 10.1016/S1474-4422(24)00369-7 [IF: 46.5, Q1].

2023

52. Safdarian M, Trinko E, Rahimi-Movaghar V, Thomschewski A, Aali A, Abady GC, Abate SM, Abd-Allah F, Abedi A, Adane DE, Afzal S, Ahinkorah BO, Ahmad S, **Ahmed H**, Amanat N et al., 2023. Global, regional, and national burden of spinal cord injury, 1990–2019: a systematic analysis for the Global

Burden of Disease Study 2019. *The Lancet Neurology*, 22(11), P1026-1047, November, doi: [https://doi.org/10.1016/S1474-4422\(23\)00287-9](https://doi.org/10.1016/S1474-4422(23)00287-9) [IF: 59.93, Q1].

53. Moberg ME, Hamilton EB, Zeng SM, Bryazka D, Zhao JT, Feldman R, Abate YH, Abbasi-Kangevari M, Abdurehman AM, Abedi A, Abu-Gharbieh E, Addo IY, Adepoju AV, Adnani QES, Afzal S, Ahinkorah BO, Ahmad S, Ahmed D, **Ahmed H**, Tsegaye D et al. 2023. Global, regional, and national burden of fatal carbon monoxide poisoning, 2000–2020: results from the Global Burden of Disease Study 2021. *The Lancet public health*, Published:October 06, 2023, doi:[https://doi.org/10.1016/S2468-2667\(23\)00185-8](https://doi.org/10.1016/S2468-2667(23)00185-8) [IF: 50.0, Q1].
54. Khan H, Simsek S, Celik F, Haranadi MF, **Ahmed H**. 2023. Genetic diversity and haplotypes of *Echinococcus granulosus* isolated from cattle and buffaloes and first report of *E. ortleppi* in Pakistan based on mt-CO1 markers. *Experimental Parasitology*, <https://doi.org/10.1016/j.exppara.2023.108648> [IF: 2.54, Q1].
55. Numan M, Alouffi A, Almutairi MM, Tanaka T, **Ahmed H**, Akbar H, Rashid MI, Tsai K-H, Ali A. First Detection of Theileria sinensis-like and Anaplasma capra in Ixodes kashmiricus: With Notes on cox1-Based Phylogenetic Position and New Locality Records. *Animals*, 2023; 13(20):3232. <https://doi.org/10.3390/ani13203232> [IF: 3.0, Q1].
56. Aneela A, Almutairi MM, Alouffi A, **Ahmed H**, Tanaka T, da Silva Vaz I Junior, Chang S-C, Chen C-C, Ali A. Molecular Detection of Rickettsia hoogstraalii in Hyalomma anatolicum and Haemaphysalis sulcata: Updated Knowledge on the Epidemiology of Tick-Borne Rickettsia hoogstraalii. *Veterinary Sciences*, 2023; 10(10):605. <https://doi.org/10.3390/vetsci10100605> [IF: 2.40, Q1].
57. Kilinc SG, Celik F, Kescik HK, Selcuk MA, **Ahmed H**, Simsek S. 2023. Co-infection of *Echinococcus equinus* and *Echinococcus canadensis* (G6/7) in a gray wolf in Turkey: First report and genetic variability of the isolates. *The International Journal for Parasitology: Parasites and Wildlife*, 20 (April):89-95, <https://doi.org/10.1016/j.ijppaw.2023.01.006> [IF: 3.22, Q1].
58. Ayub F, **Ahmed H**, Zulfiqar T, Khurram M, Celik F, Simsek S, Cao J. 2023. Simsek S, Celik F, Haranadi MF, 2023 Bioinformatics-based prediction and screening of immunogenic epitopes of *Toxoplasma gondii* rhoptry proteins 7, 21 and 22 as candidate vaccine target. *Heliyon*, 9(1):e18176, doi: [10.1016/j.heliyon.2023.e18176](https://doi.org/10.1016/j.heliyon.2023.e18176) [IF: 4.0, Q1].
59. Ali A, Tila H, Khan M, Almutairi M, Alouffi A, **Ahmed H**, Tanaka T, Tsai KH. 2023. First Report on Detection of Hepatozoon ayorgbor in Rhipicephalus haemaphysaloides and Hepatozoon colubri in Haemaphysalis sulcata and Hyalomma anatolicum: Risks of Spillover of Hepatozoon spp. from Wildlife to Domestic Animals. *Frontiers in Veterinary Science*, 10:1255482, doi:10.3389/fvets.2023.1255482 [IF: 3.71, Q1].
60. Bibi S, Kamran M, **Ahmed H**, Bibi K, Nazqvi SK, Zuo Q, Shah NA, Cao J. 2023. Knowledge, Attitudes and Practices Regarding Taeniasis in Pakistan. *Diseases*, 11(3):95 doi:[10.3390/diseases11030095](https://doi.org/10.3390/diseases11030095) [IF: 2.50, Q1].
61. Liaqat S, Qayyum M, Celik F, Simsek S, Ahmad F, Zhang X, **Ahmed H**, Cao J. 2023. Comparative analysis of different ELISA methods for the serodiagnosis of *Przhevalskiana silenus* infestation in goats. *Veterinary Sciences*, 10(6), 396; <https://doi.org/10.3390/vetsci10060396> [IF: 2.51, Q1].
62. Borhani M, Fathi S, Harandi MF, Simsek S, **Ahmed H**, Wu X, Liu M. 2023. Trichinella infections in animals and humans of Iran and Turkey. *Frontiers in medicine*, 10:1088507. doi:10.3389/fmed.2023.1088507 [IF: 5.05, Q1].
63. Badar A, Malik MW, Hasnain SZ, Shah SIA, Shabbir EMK, Haider W, **Ahmed H**. 2023. Assessment of risk factors associated with outbreak of hepatitis A in Shakrial, Rawalpindi-Pakistan: outbreak

- investigation of hepatitis in Pakistan. *Journal of Infection in Developing Countries (JIDC)*, 2023; 17(1):111-117. [doi:10.3855/jidc.14939](https://doi.org/10.3855/jidc.14939) [IF: 2.45, Q2].
64. Hussain N, **Ahmed H**, Shabbir RMK, Afzal MS, Ullah S, Ali A, Irum S, Naqvi SH, Yin J, Cao J. 2023. Prevalence of different tick species on live-stock and associated equines and canine from different agro-ecological zones of Pakistan. *Frontiers in Veterinary Science*, 9:1089999, doi:[10.3389/fvets.2022.1089999](https://doi.org/10.3389/fvets.2022.1089999) [IF: 3.71, Q1].
 65. Khan MS, Khan M, Alouffi A, Almutairi MA, Numan M, Ullah S, Obaid MK, Islam ZU, **Ahmed H**, Tanaka T, Ali A. 2023. Phylogenetic position of *Haemaphysalis kashmirensis* and *Haemaphysalis cornupunctata*, with notes on *Rickettsia* spp. *Genes*, 2023, 14, 360. <https://doi.org/10.3390/genes14020360> [IF: 4.14, Q1].
 66. Ullah S, Alouffi A, Almutairi MM, Islam N, Rehman G, **Ahmed H**, IV, Labruna, MB, Ali A. 2023. First Report of *Rickettsia conorii* in *Hyalomma kumari* ticks. *Animals.*, 2023, 13(9), 1488, <https://doi.org/10.3390/2130184> [IF: 3.23, Q1].
 67. Hafeez A, Dangel WJ, Ostroff SM, Kiani AJ, Glenn SD, Abbas J, Afzal MS, Afzal S, Ahmad S, Ahmed A, **Ahmed H**, Ali L, Ali M, Ali Z, Arshad M, Ashraf T, Bhutta ZA, Bibi S, Butt ZA, Das JK, Fadool Z, Hanif A, Hayat K, Humayun A, Iqbal K, Iqbal U, Khalid N, Khan EA, Khan MS, Malik AA, Naveed M, Naz S, Niazi RK, Piracha ZZ, Saeed U, Salman M, Samad Z, Saqib MAN, Shah SM, Shahid I, Shaikh MA, Shamshad H, Shuja KH, Suleman M, Ullah A, Ullah I, Ullah S, Ullah S, Waheed Y, Waris A, Hay SI, Murray CJL, Mokdad AH. 2023. The state of health in Pakistan and its provinces and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet Global health*, 11(February):e243. [IF: 38.92, Q1].
 68. Selcuk MA, Celik F, Simsek S, **Ahmed H**, Kescik HK, Kilinc SG, Cao J. 2024. Genetic, haplotype and phylogenetic analysis of *Ligula intestinalis* by using mt-CO1 gene marker; Ecological implications, climate change and eco-genetic diversity. *Brazilian Journal of Biology*, 84:e258626. <https://doi.org/10.1590/1519-6984.258626> [IF: 1.65, Q1].
 69. Angela E Micah, Bhangdia K, Cogswell IE, Lasher D, Lidral-Porter B, Maddison ER, Nguyen TNN, Nishali Patel, Paola Pedroza, Solorio J, Stutzman H, Tsakalos G, Wang Y, Warriner W, Zhao Y, Zlavog BS, Abbafati C, Abbas J, Abbasi-Kangevari M, Abbasi-Kangevari Z, Abdelmasseh M, Abdulah DM, Abedi A, Abegaz KH, Abhilash ES, Aboagye RG, Abolhassani H, Abrigo MRM, Ali HA, Abu-Gharbieh E, Adem MH, Afzal MS, Ahmadi A, **Ahmed H**, Rahsid TA et al. 2023. Global investments in pandemic preparedness and COVID-19: development assistance and domestic spending on health between 1990 and 2026. *The Lancet Global health*, 11(February):E389-E413, [https://doi.org/10.1016/S2214-109X\(23\)00007-4](https://doi.org/10.1016/S2214-109X(23)00007-4) [IF: 38.92, Q1].
 70. Saleem S, **Ahmed H**, Imdad K, Wang Y, Cao J. 2023. An epidemiological survey to investigate the prevalence of cystic echinococcosis in slaughtered bovine hosts in Punjab, Pakistan. *Veterinary Sciences*, 2023, 10(1):40, <https://doi.org/10.3390/vetsci10010040> [IF: 2.58, Q1].
 71. Riaz S, **Ahmed H**, Kiani SA, , Afzal MS, Simsek S, Celik F, Wasif S, Naqvi SK, Bangash N, Zhang J, Cao J. 2023. Knowledge, attitudes and practices related to neglected tropical diseases (schistosomiasis and fascioliasis) of public health importance: A cross-sectional study. *Frontiers in veterinary science*, 10:1088981, doi: [10.3389/fvets.2023.1088981](https://doi.org/10.3389/fvets.2023.1088981) [IF: 3.23, Q1].
 72. **Ahmed H**, Kilinc, SG, Celik, F, Kesik, H.K, Simsek, S, Ahmad, K.S, Afzal, M.S, Farrukh, S, Safdar, W, Zhang, J, Cao J. 2023. An inventory of anthelmintic plants across the globe. *Pathogens*, 2023, 12(1), 131, <https://doi.org/10.3390/2030975> [IF: 4.53, Q1].
 73. Azadnajaabad S, Saeedi Moghaddam S, Mohammadi E, Rezaei N, Rashidi M-M, Rezaei N, Abbasi-Kangevari M, Abbasi-Kangevari Z, Abbastabar H, Abidi H, Abolhassani H, Abubaker Ali H, Abu-

- Gharbieh E, Acuna JM, Afrashteh S, Afzal MS, Ahmad S, Ahmadi A, Ahmadi S, **Ahmed H**, Abbasi-Kangevari M et al., 2023. Burden of breast cancer and attributable risk factors in the North Africa and Middle East region, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *Frontiers in Oncology*, 13:1132816. doi: [10.3389/fonc.2023.1132816](https://doi.org/10.3389/fonc.2023.1132816) [IF: 5.78, Q1].
74. Aali A, Abdollahzade, Abdulrahman SA, Ali HA, Ahmad A, Ahmad R, Ahmadi A, Ahmadian M, **Ahmed H**, Rashid TA et al., 2023. Effect of air pollution on disease burden, mortality, and life expectancy in North Africa and the Middle East: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet Palantary Health*, Published: May, 2023. doi:[https://doi.org/10.1016/S2542-5196\(23\)00053-0](https://doi.org/10.1016/S2542-5196(23)00053-0) [IF: 28.75, Q1].
75. Mensah GA, Fuster V, Murray CJL, et al. 2023. Global burden of cardiovascular diseases and risks, 1990–2022. *The Journal of the American College of Cardiology (JACC)*, Dec, 82 (25) 2350–2473. doi:[10.1016/j.jacc.2023.11.007](https://doi.org/10.1016/j.jacc.2023.11.007) [IF: 24.0, Q1].
76. Ying Wang, Jing Zhang, Xu Wang A and **Ahmed H** et al. Molecular Epidemiology and the Control and Prevention of Cystic Echinococcosis in China: What is Known from Current Research. *Zoonoses*. 2023. 3(1). doi: [10.15212/ZOONOSSES-2023-0009](https://doi.org/10.15212/ZOONOSSES-2023-0009)

2022

77. Jamil N, **Ahmed H**, Afzal MS, Simsek S, Celik F, Ali A, Yu C, Cao J. 2022. Assessment of risk, landscape epidemiology and management strategies to combat alveolar echinococcosis in the rural communities of Hunza, Pakistan. *Frontiers in public health*, 10:1015475. doi: [10.3389/fpubh.2022.1015475](https://doi.org/10.3389/fpubh.2022.1015475) [IF: 6.46, Q1].
78. Mumtaz T, Awan UA, Mushtaq A, Afzal, MS, Mahmood T, Wasif S, Ali A, Ajmal, K, Mohamed T, Muhammad A, Liu H, **Ahmed H**, Cao J. 2022. Prevalence of toxoplasmosis in sheep and goats in Pakistan: A systematic review and meta-analysis. *Pathogens* 2022, 11(11):1331, <https://doi.org/10.3390/1948859> [IF: 4.53, Q2].
79. Abolfazl Avan, Derrick Bennett, Vladimir Hachinski, Saverio Stranges, Mayowa O. Owolabi, Valery Feigin et al., 2022. Age-, sex-, and risk-specific burden of neurological diseases in the Middle East and North Africa from 1990 to 2019: A systematic analysis of data from the Global Burden of Disease Study 2019 (S37.001), *Neurology* May 2022, 98 (18 Supplement) 3286 [IF: 11.80 , Q2].
80. Ayub U, Farooq N, Sarwar A, Jehangir HMS, Hashmi MS, Alamgir M, Waheed F, Khurram M, **Ahmed H**, Khattak AA, Afzal MS. 2023. Cytogenetic abnormalities in patients with hematological malignancies in Lahore city, Pakistan. *Brazilian Journal of Biology*, 2023(83):e249911, <https://doi.org/10.1590/1519-6984> [IF: 1.65, Q2].
81. Ijaz R, Zahra R, **Ahmed H**, Boston N, Sattar S, Shah NA. 2022. Frequency and genotype distribution of Hepatitis C virus in Pakistan. *Pakistan. Journal of Zoology*, September 2022. <https://dx.doi.org/10.17582/journal.pjz/20200421180450> [IF: 0.94, Q3].
82. Uzun, V, Celik, F, Simsek, S, Kesik, HK, Kilinc, SG, Zhang, X, **Ahmed H**, Cao, J. 2022. Multiplex PCR and sequence analysis to investigate genetic diversity of fasciola isolates from cattle and sheep in Turkey. *Pathogens* 2022, 11, 1235. <https://doi.org/10.3390/pathogens11111235> (IF: 4.53, Q2).
83. Selcuk MA, Celik F, Kesik HK, Kilinc SG, Jiang N, **Ahmed H**, Simsek S, Cao J. 2022. In silico evaluation of the haplotype diversity, phylogenetic variation and population structure of human *E. granulosus sensu stricto* (G1 Genotype) Sequences. *Pathogens* 2022, 11, 1346. <https://doi.org/10.3390/pathogens11111346> [IF: 4.53, Q2].

84. Ullah K, Numan M, Alouffi A, Almutairi MA, Zahid H, Khan M, Ul Islam Z, Kamil A, Safi SZ, **Ahmed H**, Tanaka T, Ali A. 2022. Molecular Characterization and assessment of risk factors associated with *Theileria annulata* infection in Khyber Pakhtunkhwa, Pakistan. *Microorganisms*, 10, 1614. <https://doi.org/10.3390/microorganisms10081614> [IF: 4.92, Q1].
85. Karagulle B, Celik F, Simsek S, **Ahmed H**, Shen Y, Cao J. 2021. First molecular evidence of clostridium perfringens in adult Fasciola spp. isolates in cattle hosts. *Frontiers in veterinary science*, 9:967045. doi:10.3389/fvets.2022.967045 [IF: 3.22, Q1].
86. Aroosh A, Raza N, Islam A, OzbeY, Toz S, **Ahmed H**, Waseem S. Naz S. 2022. Multiparametric approach to assess the disease severity and progression of cutaneous leishmaniasis infection. *Acta Tropica*, 235 (2022) 106659. <https://doi.org/10.1016/j.actatropica.2022.106659> [IF: 3.11, Q1].
87. Ayub U, Malik W, **Ahmed H**, Afzal MSA. 2022. War-torn Afghanistan and Cancer care: Where to focus! *The Lancet Oncology*, 23(5), 562–563. [https://doi.org/10.1016/S1470-2045\(22\)00192-9](https://doi.org/10.1016/S1470-2045(22)00192-9) [IF: 54.43, Q1].
88. Shoukat T, Ayub U, Mehmood T, Afzal MS, **Ahmed H**, Cao J. 2022. Epidemiology of toxoplasmosis among the Pakistani population: A systematic review and meta-analysis. *Pathogens*, 11, 675. <https://doi.org/10.3390/pathogens11060675> [IF: 4.53, Q2].
89. Rizwan M, Khan MR, Afzal MS, Manahil H, Yasmeen S, Jabbar M, Irum S, Simsek S, Wasif S, Mahmood T, **Ahmed H**, Cao J. 2022. Prevalence of fascioliasis in livestock and humans in Pakistan: A systematic review and meta-analysis. *Tropical Medicine and Infectious Disease*, 2022, 7, 126. <https://doi.org/10.3390/tropicalmed7070126> [IF: 3.71, Q1].
90. Awan UA, Malik MW, Kamran S, **Ahmed H**, Afzal MSA. 2022. Wild poliovirus outbreak in Afghanistan: A wake-up call for global health experts. *Journal of Infection*, 2022 Mar 5:S0163-4453(22)00127-X. doi: 10.1016/j.jinf.2022.03.002 [IF: 38.637, Q1].
91. Khan A, **Ahmed H**, Afzal MS, Ayub U, Khurram M, Simsek S, Cao J. 2022. Detection of anti-*Echinococcus granulosus* antibodies in humans: An update from Pakistan. *Pathogens*, 2022, 11, 29. <https://doi.org/10.3390/pathogens11010029> [IF: 4.53, Q1].
92. Ali A, Ahelha S, Zahid H, Ullah F, Zeb I, **Ahmed H**, da Silva Vaz Jr I, Tanaka T. 2022. Molecular survey and spatial distribution of Rickettsia spp. in ticks infesting free-ranging wild animals in Pakistan (2017-2021). *Pathogens*, 2022, 11, 162. <https://doi.org/10.3390/pathogens11020162> [IF: 4.53, Q1].
93. Khan SS, **Ahmed H**, Afzal MSA, Khan MR, Birtles RB, Oliver JD. 2022. Epidemiology, distribution, and identification of ticks on livestock in Pakistan. *International Journal of Environmental Research and Public Health*, 2022, 19, 3024. <https://doi.org/10.3390/ijerph19053024> [IF: 4.61, Q1].
94. Khan, H.; Casulli, A.; Harandi, M.F.; Afzal, M.S.; Saqib, M.A.N.; **Ahmed, H**. 2022. A retrospective cohort study on human cystic echinococcosis in Khyber Pakhtunkhwa Province (Pakistan) based on 16 years of hospital discharge records. *Pathogens* 2022, 11, 194. <https://doi.org/10.3390/pathogens11020194> [IF: 4.53, Q1].
95. Nauman M, Naz S, Gilani R, Minhas R, **Ahmed H**, Cao J. 2022. Evaluation of household preparedness and risk factors for cutaneous leishmaniasis (CL) using community assessment for public health emergency response (CASPER) method in Pakistan. *International Journal of Environmental Research and Public Health*. 2022; 19(9):5068. <https://doi.org/10.3390/ijerph19095068> [IF: 4.61, Q1].

96. Kesik HK, Celik F, Kilinic SG, Simsek F, **Ahmed, H**, Shen Y, Cao J. 2022. Genetic diversity and haplotype analysis of cattle hydatid cyst isolates using mitochondrial marker in Turkey. *Pathogens* 2022, 11, 519. <https://doi.org/10.3390/pathogens11050519> [IF: 4.53, Q1].
97. Tariq A, Jabeen Z, Farrakh S, Noreen K, Arshad W, **Ahmed H**, Haider W. 2021. Exploring the genetic potential of Pakistani soybean cultivars through RNA-seq based transcriptome analysis. *Molecular Biology Reports*, Apr;49(4):2889-2897, <https://doi.org/10.1007/s11033-021-07104-3> [IF: 2.74, Q1].
98. Malik MW, Awan UA, Ahmed H, Missaghi B, Afzal MSA. 2022. Environmental surveillance of *Naegleria fowleri*: A way forward for control of primary amoebic meningoencephalitis cases in Pakistan. *Travel Medicine and Infectious Disease*, 45(January–February):102235. <https://doi.org/10.1016/j.tmaid.2021.102235> [IF: 20.44, Q1].
99. Awan UA, Malik MW, Khattak AA, **Ahmed H**, Khan MI, Qureshi H, Afzal MS. 2022. Predicting COVID-19 incidence in war-torn Afghanistan: A timely response is required. *Journal of Infection*, Jan;84(1):e6-e8. doi: [10.1016/j.jinf.2021.09.004](https://doi.org/10.1016/j.jinf.2021.09.004) [IF: 38.63, Q1].
100. Sharma R, Abbasi-Kangevari M, Abd-Rabu R, Abidi H, Abu-Gharbieh E, Acuna JM, Adhikari S, Advani SM, Afzal MS, Meybodi MA, Ahinkorah BO, Ahmad S, Ahmadi A, Ahmadi S, **Ahmed H**, Ahmed LA, Ahmed MB et al. 2022. Global, Regional and National Burden of Colorectal Cancer, 1990-2019: A systematic examination for Global Burden of Disease 2019. *The Lancet Gastroenterology & Hepatology*, Jul;7(7):627-647. [https://doi.org/10.1016/S2468-1253\(22\)00044-9](https://doi.org/10.1016/S2468-1253(22)00044-9) [IF: 45.04, Q1].
101. Abbasi B, Abidi H, Abu-Gharbieh E, Afzal MS, Ahmad AR, Ahmad S, Ahmadi A, Ahmadi S, **Ahmed H**, Akbarzadeh-Khiavi M et al. 2022. The Burden of Prostate Cancer in North Africa and the Middle East, 1990-2019: findings from the Global Burden of Disease Study. *Frontiers in Oncology*, 12:961086. doi:[10.3389/fonc.2022.961086](https://doi.org/10.3389/fonc.2022.961086) [IF: 5.78, Q1].
102. Sheena BS, Hiebert L, Han H, Ippolito H, Abbasi-Kangevari M, Abbasi-Kangevari Z, Abbastabar H, Abdoli A, Abubaker Ali H, Adane MM, Adegboye OA, Adnani QES, Advani SM, Afzal MS, Afzal S, Meybodi MA, Ahadinezhad B, Ahinkorah BO, Ahmad S, Ahmad T, Ahmadi S, **Ahmed H**, Ahmed MB et al. 2022. Global, regional, and national burden of hepatitis B, 1990–2019: a systematic analysis of the Global Burden of Disease Study 2019. *The Lancet Gastroenterology & Hepatology*, 2022 Sep;7(9):796-829, [https://doi.org/10.1016/S2468-1253\(22\)00124-8](https://doi.org/10.1016/S2468-1253(22)00124-8) (IF: 45.04, Q1).
103. Ali H. Mokdad, Samar Al-Hajj et al. 2021. Injury burden in individuals aged 50 years or older in the Eastern Mediterranean region, 1990-2019: a systematic analysis from the Global Burden of Disease Study 2019. *The Lancet Healthy longevity*, 3(4), e253–e262. [https://doi.org/10.1016/S2666-7568\(22\)00038-1](https://doi.org/10.1016/S2666-7568(22)00038-1) [Q1].
104. Nejadghaderi SA, Moghaddam SS, Azadnajafabad S, Rezaei N, Rezaei N, Tavangar SM, Jamshidi H, Mokdad AH, Naghavi M, Farzadfar F and Larijani B, Eman Abu- Gharbieh, Afrashteh S, Afzal MS, Ahmad S, Ahmadi A, Ahmadi S, **Ahmed A** et al. 2021. Burden of thyroid cancer in North Africa and Middle East, 1990-2019. *Frontiers in Oncology*, 12:955358. doi: [10.3389/fonc.2022.955358](https://doi.org/10.3389/fonc.2022.955358) [IF: 5.78, Q1].
105. Peden AE, Cullen P, Francis KL, Moeller H, Peden MM, Tian PYM, Zou Z, Sawyer SM, Aali A, Abbasi-Kangevari Z, Abbasi-Kangevari M, Abdelmasseh M, Abdoun M, Abd-Rabu R, Abdulah DM, Abebe G, Abebe AM, Abedi A, Abidi H, Aboagye RG, Ali HA, Abu-Gharbieh E, Eshetie Adane D, Adane TD, Addo IY, Adewole OG, Adhikari S, Adnan M, Estiningtyas Q, Adnani S, Adeyimika S, Afolabi B, Afzal S, Afzal MS, Aghdam ZB, Ahinkorah BO, Ahmad AR, Ahmad T, Ahmad S, Ahmadi A, **Ahmed H**, Ahmed MB et al., 2022. Progress toward reducing adolescent transport and

unintentional injuries: a systematic analysis using the Global Burden of Disease Study 2019. *The Lancet Public Health*, 7(8): E657-E669, doi:[https://doi.org/10.1016/S2468-2667\(22\)00134-7](https://doi.org/10.1016/S2468-2667(22)00134-7) [IF: 72.42, Q1].

106. Tran KB, Lang JJ, Compton K, Xu R, Acheson AR, Henrikson HJ, Kocarnik JM, Penberthy L, Aali A, Abbas Q, Abbasi B, Abbasi-Kangevari M, Abbasi-Kangevari Z, Abbastabar H, Abdelmasseh M, Abd-Elsalam S, Abdelwahab AA, Abdoli G, Abdulkadir HA, Abedi A, Abegaz KH, Abidi H, Aboagye RG, Abolhassani H, Absalan A, Abtew YD, Ali HA, Abu-Gharbieh E, Achappa B, Acuna JM, Addison D, Addo IY, Adegboye OA, Adesina MA, Adnan M, Adnani QES, Advani SM, Afrin S, Afzal MS, Aggarwal M, Ahinkorah BO, Ahmad AR, Ahmad R, Ahmad S, Ahmad S, Ahmadi S, **Ahmed H**, Ahmed LA et al. 2022. The global burden of cancer attributable to risk factors, 2010–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*, 400 (10352): P563-591, August 20, 2022, [https://doi.org/10.1016/S0140-6736\(22\)01438-6](https://doi.org/10.1016/S0140-6736(22)01438-6) [IF: 202.73, Q1].
107. Bryazka D, Reitsma MB, Griswold MG, Abate KH, Abbafati C, Abbasi-Kangevari M, Abbasi-Kangevari Z, Abdoli A, Abdollahi M, Abdullah AYM, Abhilash ES, Abu-Gharbieh E, Acuna JM, Addolorato G, Adebayo OM, Adekanmbi V, Adhikari K, Adhikari S, Adnani QES, Afzal S, Agegnehu WY, Aggarwal M, Ahinkorah BO, Ahmad AR, Ahmad S, Ahmad T, Ahmadi A, Ahmadi S, **Ahmed H**, Rashid TA. et al. 2022. Population-level risks of alcohol consumption by amount, geography, age, sex, and year: a systematic analysis for the Global Burden of Disease Study 2020. *The Lancet*, 400 (10347):P185-235, [https://doi.org/10.1016/S0140-6736\(22\)00847-9](https://doi.org/10.1016/S0140-6736(22)00847-9) (IF: 202.73, Q1).
108. Kyu HH, Vongpradith A, Sirota SB, Novotney A, Troeger CE, Doxey MC, Bender RG, Ledesma JR, Biehl MH, Albertson SB, Frostad JJ, Burkart K, Bennitt FB, Zhao JT, Gardner WM, Hagins H, Bryazka D, Dominguez RV, Abate SM, Abdelmasseh M, Abdoli A, Abdoli G, Abedi A, Abedi V, Abegaz TM, Abidi H, Aboagye RG, Abolhassani H, Abtew YD, Ali HA, Abu-Gharbieh E, Abu-Zaid A, Adamu K, Addo IY, Adegboye OA, Adnan M, Adnani QES, Afzal MS, Afzal S, Ahinkorah BO, Ahmad A, Ahmad AR, Ahmad S, Ahmadi A, Ahmadi S, **Ahmed H**, Ahmed JQ et al., 2022. Age-sex differences in the global burden of lower respiratory infections and risk factors: results from the Global Burden of Disease Study 2019. *The Lancet Infectious diseases*, 2022, Nov;22(11):1626-1647, [https://doi.org/10.1016/S1473-3099\(22\)00510-2](https://doi.org/10.1016/S1473-3099(22)00510-2) [IF: 71.42, Q1].
109. Ikuta KS, Lucien R Swetschinski, Aguilar GR, Sharara F, Mestrovic T, Gray AP, Weaver ND, Wool EE, Han C, Hayoon AG, Aali A, Abate SM, Abbasi-Kangevari M, Abbasi-Kangevari Z, Abd-Elsalam S, Abebe G, Abedi A, Abhari AP, Abidi H, Aboagye RG, Absalan A, Ali HA, Acuna JM, Adane TD, Addo IY, Adegboye OA, Adnan M, Adnani QES, Afzal MS, Afzal S, Aghdam ZB, Ahinkorah BO, Ahmad A, Ahmad AR, Ahmad R, Ahmad, S Ahmad S, Ahmadi S, Ahmed A, **Ahmed H**, Ahmed JQ et al. 2022. Global mortality associated with selected bacterial pathogens in 2019: a systematic analysis for the Global Burden of Disease Study 2019. *The lancet*, 10369, P2221-2248, December 17, 2022, doi: [https://doi.org/10.1016/S0140-6736\(22\)02185-7](https://doi.org/10.1016/S0140-6736(22)02185-7) [IF: 202.73, Q1].
110. Tahir A, Naz S, Afzal MS, Shabbir R.M.K, Ali S, Shah N, **Ahmed H**. 2022. Community based assessment on knowledge, attitude and practices (KAPs), risk factors and one health perspective of brucellosis in rural and urban settings of Pakistan: A cross-sectional Study. *Journal of the Hellenic Veterinary Medical Society*, 73(3):4339-4356, doi: [10.12681/jhvms.26869](https://doi.org/10.12681/jhvms.26869) [IF: 0.968, Q3].

2021

111. Borhani M, Fathi S, Darabi E, Jalousian F, Simsek S, **Ahmed H**, Hosseini SH, Romig T, Harandi MF, Mobedi I. 2021. Echinococcoses in Iran, Turkey, and Pakistan: old diseases in the new millennium. *Clinical Microbiology Reviews*, July 4, 34(3): e00290-20, doi: <https://doi.org/10.1128/CMR.00290-20> [IF: 26.13, Q1].

112. Haile LM, Kamenov K, Briant PS, Orji AU, Steinmetz JD, Abdoli A, Abdollahi M, Abu-Gharbieh E, Afshin A, **Ahmed H**, Rashid TA, Akalu Y et al. 2021. Hearing loss prevalence and years lived with disability, 1990–2019: findings from the Global Burden of Disease Study. *The Lancet*, 397(10278):P996-1009, doi: [https://doi.org/10.1016/S0140-6736\(21\)00516-X](https://doi.org/10.1016/S0140-6736(21)00516-X) [IF: 79.32, Q1].
113. Ahmad W, Malik MW, Wattao MM, Nadeem F, Chaudary ZM, Khan A, Afzal MSA, Khan A, Durranace-Bagale A, **Ahmed H**. 2020. Impact of COVID-19 pandemic on surveillance of Crimean-Congo Hemorrhagic Fever (CCHF) in Pakistan. *Travel Medicine and Infectious Disease*, 41(May-June): 102011, <https://doi.org/10.1016/j.tmaid.2021.102011> [IF: 6.21, Q1].
114. Khan A, **Ahmed H**, Simsek S, Shahzad K, Celik F, Afzal MS, Liu H, Yin J, Wang Y, Shen Y, Cao J. 2020. Haplotype comparisons of *Echinococcus granulosus* sensu lato via mitochondrial gene sequences (co1, cytb, nadh1) among Pakistan and its neighboring countries. *Parasitology*, 148(9):1019-1029. <https://www.doi.org/10.1017/S0031182021000688> [IF: 3.23, Q1].
115. Khan A, **Ahmed H**, Amjad S, Afzal MS, Haider W, Simsek S, Khawaja MR, Rasid M, Khan DH, Naz S, Durranace-Bagale A, Shabbir RMK, Arfreen RZU, Cao J. 2020. Community perception and awareness regarding risk factors of CE in Pakistan; A one health prospective. *Frontiers in Public Health*, June 4, 9:648900, doi: [10.3389/fpubh.2021.648900](https://doi.org/10.3389/fpubh.2021.648900) [IF: 3.70, Q1].
116. Haqqi A, Ayub U, Khattak AA, **Ahmed H**, Afzal MS. 2021. Antimicrobial Resistance vs COVID-19: A bigger challenge in the post- pandemic era!. *Journal of the Formosan Medical Association*, Jul; 120(7): 1537–1538, doi: [10.1016/j.ifma.2021.03.003](https://doi.org/10.1016/j.ifma.2021.03.003) [IF: 3.28, Q1].
117. Malik MW, Ikram A, Safdar RM, Ansari JA, Khan MA, Rathore TR, Ashraf N, Basry R, Waqar W, Tahir MA, Qamar MA, **Ahmed H**. 2020. Use of emergency operation center and incident management system for efficient inter-sectoral coordination and effective control of dengue fever outbreak in Pakistan – 2019. *Acta tropica*, 219(July):105910, <https://doi.org/10.1016/j.actatropica.2021.105910> [IF: 3.11, Q1].
118. Awan UA, Malik MW, Khattak AA, **Ahmed H**, Khan MI, Qureshi H, Afzal MS. 2021. Emerging polio hotspots in Pakistan: Challenges and the way forward. *Journal of Infection*, Oct;83(4):496-522, doi:[10.1016/j.jinf.2021.07.018](https://doi.org/10.1016/j.jinf.2021.07.018) [IF: 6.07, Q1].
119. Reitsma MB, Kendrick PJ, Ababneh E, Abbafati C, Abbasi-Kangevari M, Abdoli A, Abedi A, Abhilash ES, Abila DB, Aboyans V, Abu-Rmeileh NME, Adebayo OM, Advani SM, Aghaali M, Ahinkorah BO, Ahmad S, Ahmadi K, **Ahmed H**, Aji B et al., 2021. Spatial, temporal, and demographic patterns in smoking prevalence and attributable disease: a systematic analysis of 204 countries and territories from the Global Burden of Disease Study 2019. *The Lancet*, June 19, 2021, 397(10292): P2337-2360. [https://doi.org/10.1016/S0140-6736\(21\)01169-7](https://doi.org/10.1016/S0140-6736(21)01169-7) [IF: 79.32, Q1].
120. Kendrick PJ, Reitsma MB, Abbasi-Kangevari M, Abdoli A, Abdollahi M, Abedi A, Abhilash ES, Aboyans V, Adebayo OM, Advani SM, Ahinkorah BO, Ahmad S, Ahmadi K, **Ahmed H**, Aji B, Akalu Y et al., 2021. Spatial, temporal, and demographic patterns in chewing tobacco prevalence: a systematic analysis of 204 countries and territories from the Global Burden of Disease Study 2019. *The Lancet Public health*, July 01, 2021, 6(7):E482-E499. doi: [https://doi.org/10.1016/S2468-2667\(21\)00065-7](https://doi.org/10.1016/S2468-2667(21)00065-7) [IF: 21.65 , Q1].
121. Galles NC, Liu PY, Updike RL, Fullman N, Nguyen J, Rolfe S, Sbarra AN, Schipp MF, Marks A, Abady GG, Abbas KM, Abbasi SW, Abbastabar H, Abd-Allah F, Abdoli A, Abolhassani H, Abosetugn AE, Adabi M, Adamu AA, Adetokunboh OO, Adnani QES, Advani SM, Afzal S, Aghamir SMK, Ahinkorah BO, Ahmad S, Ahmad T, Ahmadi S, **Ahmed H** et al., 2021. Measuring routine childhood vaccination coverage in 204 countries and territories, 1980–2019: a systematic

analysis for the Global Burden of Disease Study. *The Lancet*, July 14, 2021, 398 (10299): P503-521, doi: [https://doi.org/10.1016/S0140-6736\(21\)00984-3](https://doi.org/10.1016/S0140-6736(21)00984-3) [IF: 79.32, Q1].

122. Angela E Micah, Ian E Cogswell, Cunningham B, Ezoe S, Harle AC, Maddison ER, McCracken D, Nomura S, Simpson KE, Stutzman HN, Tsakalos G, Wallace LE, Zhao Y, Zende RR, Abbafati C, Abdelmasseh M, Abedi A, Abegaz KH, Abhilash ES, Abolhassani H, Abrigo MRM, Adhikari TB, Afzal S, Ahinkorah BO, Ahmadi S, **Ahmed H**, Ahmed MB, Rashid TA, Ajami M et al. 2021. Tracking development assistance for health and for the COVID-19 pandemic: a review of development assistance, government, out-of-pocket, and other private spending on health for 204 countries, 1990–2050. *The Lancet*, Sep 22;398(10308):1317-1343. doi: [10.1016/S0140-6736\(21\)01258-7](https://doi.org/10.1016/S0140-6736(21)01258-7) [IF: 79.32, Q1].
123. Awan UA, Malik MW, **Ahmed H**, Hassan H, Khan AS, Bashir S, Afzal MS. 2021. War-torn Afghanistan - potential risk to the polio eradication efforts: A call for global concern! *Journal of Infection*, Dec;83(6):709-737. doi: [10.1016/j.jinf.2021.10.004](https://doi.org/10.1016/j.jinf.2021.10.004) [IF: 6.07, Q1].
124. Ayub U, Arif MA, **Ahmed H**, Afzal MS. 2021. Hunger, malnutrition and persistent COVID-19 lockdowns: A swift approach is required!. *Journal of the Formosan Medical Association*, Jul;120(7):1539-1540. doi: [10.1016/j.ifma.2021.03.007](https://doi.org/10.1016/j.ifma.2021.03.007) [IF: 3.28, Q1].
125. Kesik HK, Celik F, Simsek S, Gunyakti Kilinc S, **Ahmed H**, Gul A. 2021. Molecular characterization and haplotype analyses of lung hydatid cyst isolates of cattle and first report of *Echinococcus canadensis* (G6/G7) in Turkey. *Acta Parasitologia*, Dec;66(4):1316-1325. doi: [10.1007/s11686-021-00396-2](https://doi.org/10.1007/s11686-021-00396-2) [IF: 1.44, Q1].
126. Taimur M, Shiekh SM, Sheraz A, Ayyub U, **Ahmed H**, Nuaman M, Afzal MSA. 2021. COVID-19 vaccination hesitancy in patients with autoimmune diseases: A mystery that needs an immediate solution!. *Journal of Medical Virology*, 93(9): 5216-5218, doi: [10.1002/jmv.26687](https://doi.org/10.1002/jmv.26687) [IF: 2.32, Q1].
127. Khan A, **Ahmed H**, Afzal MSA, Simsek S, Budki M. 2020. Evaluation of the monetary burden of treated human cystic echinococcosis in Pakistan. *Acta tropica*, 222 (October):106026, doi: <https://doi.org/10.1016/j.actatropica.2021.106026> (IF: 3.11).
128. Mushtaq A, Shoukat T, Mumtaz T, Qasim M, Ajmal K, Fatima N, Khan A, Kouser M, Hussain N, Khan SS, Afzal MSA, Simsek S, **Ahmed H**. 2021. Tick-borne diseases in sheep and goats in Pakistan: A systematic review and meta-analysis. *Acta Parasitologia*, Dec;66(4):1316-1325. doi: [10.1007/s11686-021-00396-2](https://doi.org/10.1007/s11686-021-00396-2) [IF: 1.44, Q2].
129. Irum S, Ahmad A, Khan A, Naz S, Simsek S, Habib A, Afzal MS, Nadeem MA, Qasim M, **Ahmed H**. 2021. Cutaneous leishmaniasis (CL): A cross-sectional community based survey on knowledge, attitude and practices in a highly endemic area of Waziristan (KPK province), Pakistan. *Acta Tropica*, 213 (January):105746. <https://doi.org/10.1016/j.actatropica.2020.105746> [IF: 3.11, Q1].
130. Ayyub U, Zahoor S, Khan A, Khattak A, Nauman M, **Ahmed H**, Afzal MSA. 2021. COVID-19 and Influenza H1N1: A dangerous combination for Pakistan in the upcoming winter season. *Journal of Medical Virology*, 93(4):1875–1877. doi: [10.1002/jmv.26687](https://doi.org/10.1002/jmv.26687) [IF: 2.32, Q1].
131. Ayyub U, Haroon K, Haqqi A, Khattak A, Khurram M, **Ahmed H**, Afzal MSA. 2021. COVID-19 and immunization gap in Pakistan: Fear drives for forthcoming spikes. *Public Health*, 2021 Feb 12;S0033-3506(21)00046-9. doi: [10.1016/j.puhe.2021.01.024](https://doi.org/10.1016/j.puhe.2021.01.024) [IF: 2.42, Q1].
132. Ayyub U, Khattak A, Afzal MSA, Nadeem MA, **Ahmed H**. 2021. COVID-19 and tuberculosis overlapping epidemics: A holistic review from Pakistan. *Journal of Medical Virology*, 93(5):2573–2575. doi: [10.1002/jmv.26714](https://doi.org/10.1002/jmv.26714) [IF: 2.32, Q1].

133. Khan A, Umhang G, Ullah Z, Boué F, Bastid V, Ullah I, Mahmood S, Afzal MS, **Ahmed H**. 2021. Investigation of *Echinococcus multilocularis* in foxes and dogs in Pakistan by detection of copro DNA. *Parasitology Research*, 120(2):731-737. [doi:10.1007/s00436-020-07001-x](https://doi.org/10.1007/s00436-020-07001-x) [IF: 2.28, Q1].
134. Khan A, Sajid R, Naz S, Gul G, Hussain A, Zehri MT, Simsek S, Waseem W, Afzal MSA, Naqvi K, Qasim M, **Ahmed A**. 2020. Epidemiological and pathological characteristics of cutaneous leishmaniasis from Baluchistan province of Pakistan. *Parasitology*, 148(5):591-597. [doi:10.1017/S0031182020002413](https://doi.org/10.1017/S0031182020002413) [IF: 3.23, Q1].
135. Rasib Q, Khan A, **Ahmed H**, Nizamuddin S, Asif F, Afzal MS, Simsek S, Khurshid F, Irum S, Hussain N, Riaz S, Khan SS, Budke CB. 2021. Demographics of cystic echinococcosis patients surgically treated in Lahore, Pakistan: a single centre study from 2007-2018. *Helmenthologia*, 58(2):162-172. [doi:10.2478/helm-2021-0017](https://doi.org/10.2478/helm-2021-0017) [IF: 1.18, Q1].
136. Liaqat S, Qayyum M, **Ahmed H**, Celik F, Simsek S. 2021. Seroepizootiological investigation on goat warble fly infestation (*Przhevalskiana silenus*) in Pothowar plateau, Pakistan. *Tropical Biomedicine*, 38(2):1-8. [doi: 10.47665/tb.38.2.031](https://doi.org/10.47665/tb.38.2.031) [IF: 0.62, Q3].
137. Maryam S, Saba S, Haider W, Khan A, Afzal MS, Mukhtar S, Durranace-Bagale A, , Arfreen RZU, Bangash N, Shah NA, **Ahmed H**. 2020. Community-based social and demographic assessment of knowledge, attitudes and practices and medical conditions related to vitamin D deficiency in Gilgit Baltistan, Pakistan. *Journal of Biosocial Science*, 2021 Nov 2;1-25, [doi:10.1017/S002193202100050X](https://doi.org/10.1017/S002193202100050X) [IF: 2.01 , Q1].
138. Haqqi A, Khurram M, Maryam, Nauman M, Ali M, **Ahmed H**, Afzal MSA. 2021. COVID-19 and *Salmonella typhi* co-epidemics in Pakistan: A real problem. *Journal of Medical Virology*, 93(1):184-186. <https://doi.org/10.1002/jmv.26293> [IF: 2.32, Q1].
139. Haqqi A, Zahoor S, Nauman M, Rehman Y, **Ahmed H**, Afzal MSA. 2021. COVID-19 in Pakistan; impact on global polio eradication initiative. *Journal of Medical Virology*, 93(1):142-143. <https://doi.org/10.1002/jmv.26240> [IF: 2.32, Q1].
140. Haqqi A, Ayyub U, Nadeem MA, **Ahmed H**, Afzal MSA. 2021. COVID-19 and dengue fever co-epidemics in Pakistan: A dangerous combination for overburdened healthcare system. *Journal of Medical Virology*, 93(1):80-82. [doi: 10.1002/jmv.26144](https://doi.org/10.1002/jmv.26144) [IF: 2.32].
141. Khan A, Tahir A, Afzal MS. Shabbir RMK, Saleem S, **Ahmed H**. 2020. HIV is an emerging health challenge of Pakistan; risk factors and management strategies. *Tropical Doctor*, 51(1):135-136. <https://doi.org/10.1177/0049475520957897> [IF: 0.73, Q1].
142. Khan H, Zahoor S, Khan A, Afzal MSA, Shah NA, Imdad K, Harandi MF, **Ahmed H**. 2021. Occurrence of massively enlarged multiple hydatid cysts in the lung and liver of a pediatric patient in Pakistan. *Iranian Journal of Parasitology*, 36(2):339-342 [IF: 1.01, Q2].
143. Celik F, Kilinc SG, Kesik HK, **Ahmed H**, Simsek S. 2021. In silico analysis of mt-CO1 gene of *Taenia hydatigena* sheep isolates. *Helimenthologia*, 58(1):59-67. [doi:10.2478/helm-2021-0007](https://doi.org/10.2478/helm-2021-0007) [IF: 1.18, Q2].
144. Irum gS, Ahsan A, Ahmed H, Khan A, Yayi G, Mehboob M, Kilinc SG, Kesik HK, Afzal MS, Ali S, Mehmood M, Simsek S. 2021. A demographic survey on the prevalence of gastrointestinal parasites based on socioeconomic determinants in Pakistan. *Journal of Infection in Developing Countries (JIDC)*, 30;15(11):1738-1743. [doi: 10.3855/jidc.12032](https://doi.org/10.3855/jidc.12032) [IF: 0.968, Q1].
145. Afzal MSA, Khan A, Qureshi UBR, Saleem S, Saqib MA, Shabbir RMK, Naveed M, Jabbar M, Zahoor S, **Ahmed H**. 2021. Community-based assessment of knowledge, attitude, practices and risk factors regarding COVID-19 among pakistanis residents during a recent outbreak; a cross-sectional

survey. *Journal of Community Health*, 46(3):476-486. [doi:10.1007/s10900-020-00875-z](https://doi.org/10.1007/s10900-020-00875-z) [IF: 1.88, Q1].

146. Ayyub U, Zahoor S, Ayub A, Nauman M, **Ahmed H**, Afzal MSA. 2020. COVID-19 and arboviral diseases: Another challenge for Pakistan's delapidated healthcare system. *Journal of Medical Virology*, 93(7):4065-4067. <https://doi.org/10.1002/jmv.26668> [IF: 2.32, Q1].
147. Maqsood T, Shahzad K, Naz S, Simsek S, Afzal MSA Ali S, **Ahmed H**, Cao J. 2021. A cross-sectional study on the association between risk factors of toxoplasmosis and one health knowledge in Pakistan. *Frontiers in veterinary science*, 8:780738, [doi: 10.3389/fvets.2021.751130](https://doi.org/10.3389/fvets.2021.751130) [IF: 3.40, Q1].
148. Abbasi A, Shahzad K, Shabbir R.M.K, Afzal MS, Zahid H, Zahid T, **Ahmed H**, Cao J. 2021. Demographic attributes of knowledge, attitude, and practices and one health perspective regarding diarrhea in Pakistan. *Frontiers in public health*, 9:731273, <https://doi.org/10.3389/fpubh.2021.731272> [IF: 3.70, Q1].
149. Muhammad A, Bashir R, Mahmood M, Afzal MSA, Simsek S, Awan UA, Khan MR, **Ahmed H**, Cao J. 2021. Epidemiology of ectoparasites (Ticks, lice, and mites) in the livestock of Pakistan: A review. *Frontiers in veterinary science*, 8:780738, [doi: 10.3389/fvets.2021.780738](https://doi.org/10.3389/fvets.2021.780738) [IF: 3.40, Q1].

2020

150. Khan A, **Ahmed H**, Khan H, Saleem S, Simsek S, Brunetti E, Afzal MSA, Manciuilli T, Budke CM. 2020. Cystic echinococcosis in Pakistan: a review of reported cases, diagnosis, and management. *Acta Tropica*, 212 (December):105709. [doi:10.1016/j.actatropica.2020.105709](https://doi.org/10.1016/j.actatropica.2020.105709) [IF: 2.56, Q1].
151. Kabir M, Khan A, Afzal MSA, **Ahmed H**. 2020. COVID-19 economic cost; impact on forcibly displaced people. *Travel Medicine and Infectious Disease*, 35 (May-June):101661. [doi:10.1016/j.tmaid.2020.101661](https://doi.org/10.1016/j.tmaid.2020.101661) [IF: 4.59, Q1].
152. Kabir M, Zaid A, Nadeem MA, **Ahmed H**, Afzal MSA. 2020. COVID-19; economic impact and child mortality; A global concern. *Clinical Nutrition*, 39(7):2322–2323. [doi:10.1016/j.clnu.2020.05.027](https://doi.org/10.1016/j.clnu.2020.05.027) [IF: 6.36, Q1].
153. Kesik HK, Simsek S, Kilinc SG, Selik F, **Ahmed H**. 2020. A case-study of the molecular diagnosis of *Echinococcus multilocularis* in wild boar with comments on its public health significance in Turkey. *Journal of Parasitology*, 106(6):730-734. [doi:10.1645/19-196](https://doi.org/10.1016/j.jip.2020.106.196) [IF: 1.10, Q1].
154. Ali M, Zaid M, Nadeem MA, **Ahmed H**, Afzal MSA. 2020. COVID-19 and the hidden carriers – sewage, feline, and blood transfusion. *Journal of Medical Virology*, 92(11):2291-2292. [doi:10.1002/jmv.25956](https://doi.org/10.1002/jmv.25956) [IF: 2.02, Q1].
155. Shabbir RMK, Saleem S, Khan A, Maqsood U, Afzal MSA, **Ahmed H**. 2020. Hot spots, risk factors and management of polio virus in Pakistan. *Journal of Medical Virology*, 92(11): 2374-2375. [doi:10.1002/jmv.26058](https://doi.org/10.1002/jmv.26058) [IF: 2.02, Q1].
156. Khan A, **Ahmed H**, Khan H, Simsek S, Yayi G, Afzal MS, Ali MS, Budke CM. 2020. First report of *Echinococcus canadensis* (G6/G7) by sequence analysis from the Khyber Pakhtunkhwa province of Pakistan. *Acta Tropica*, 209(September):105559. <https://doi.org/10.1016/j.actatropica.2020.105559> [IF: 2.56, Q1].
157. Khan A, Tariq M, Simsek S, Afzal MSA, Shabbir RMK, Haranadni MF, **Ahmed H**. 2020. Tropical diseases in Pakistan; A story of neglect. *Iranian J of Parasitology*, 15(4):618-620. <https://doi.org/10.18502/ijpa.v15i4.4882> [IF: 1.02, Q1].

158. Khan A, **Ahmed H**, Simsek S, Yayi G, Wang G, Afzal MS, Cao J. 2020. Molecular characterization of human Echinococcus isolates and the first report of *E. canadensis* (G6/G7) and *E. multilocularis* from Pakistan using sequence analysis. *BMC Infectious Diseases*, 20:262. [doi:10.1186/s12879-020-04989-6](https://doi.org/10.1186/s12879-020-04989-6) [IF: 2.69, Q1].
159. **Qureshi UR**, Saleem S, Khan A, Afzal MSA, Ali MS, Ahmed H. 2020. Outbreak of Novel Corona Virus (2019-nCoV); Implications for travelers to Pakistan. *Travel Medicine and Infectious Disease*, 34 (March–April):101571. [doi:10.1016/j.tmaid.2020.101571](https://doi.org/10.1016/j.tmaid.2020.101571) [IF: 4.59, Q1].
160. Borhani M, Fathi S, Lahmar S, **Ahmed H**, Abdulhameed MF, Harand MF. 2020. Cystic echinococcosis in the eastern mediterranean region: neglected and prevailing. *PLOS Neglected Tropical Diseases*, 14(5): e0008114. <https://doi.org/10.1371/journal.pntd.0008114> (IF: 3.88).
161. Mehmood N, Arshad M, Mustafa H, **Ahmed H**, Simsek S. 2020. Comprehensive account on prevalence and characteristics of hydatid cysts in livestock from Pakistan. *Korean J O Parasitology*, 58(2):121-127. [doi: 10.3347/kjp.2020.58.2.121](https://doi.org/10.3347/kjp.2020.58.2.121) [IF: 1.31, Q2].
162. Nasreen N, Khan A, Niaz S, **Ahmed H**, Khattak I, Naeem H, Hassan M, Khan A, Ulucesme MC, Ozubek S, Aktas M. 2020. Molecular detection of small ruminant piroplasmiasis and first report of *Theileria luwenshuni* (Apicomplexa: Theileridae) in small ruminants of Pakistan. *Experimental Parasitology*, 212 (May): 107872. <https://doi.org/10.1016/j.exppara.2020.107872> [IF: 1.69, Q1].
163. Amjad Z, Ali S, Khan T, Malik A, Iftikhar A, Khan E, **Ahmed H**. 2020. Prevalence of *Toxoplasma gondii* antibodies and associated risk factors in women in selected districts of Punjab province, Pakistan. *Parasitology*, 147(10):1133-1139. <http://dx.doi.org/10.1017/S0031182020000967> [IF: 2.78, Q1].
164. Ahmed S, Simsek S, Fegan S, Kayakysick H, Gunayakti clinic S, **Ahmed H**. 2020. A molecular survey on cattle and sheep hydatidosis and first detection of *Echinococcus canadensis* (G6) in Sheep in Turkey. *Parasitology*, August 147(9):1055-1062. [doi: 10.1017/S0031182020000785](https://doi.org/10.1017/S0031182020000785) [IF: 2.78, Q1].
165. Khan A, **Ahmed H**, Simsek S, Afzal MS, Cao J. 2020. Spread of cystic echinococcosis in Pakistan due to stray dogs and livestock slaughtering habits: research priorities and public health importance. *Frontiers in public health*, 7:412. [doi:10.3389/fpubh.2019.00412](https://doi.org/10.3389/fpubh.2019.00412) [IF: 2.48, Q1].
166. Khan A, **Ahmed H**, Sohail A, Alam F, Simsek S. 2020. Mathematical modelling of the treatment and control of *Echinococcus multilocularis*. *Parasitology*, 147(3):376-381. [doi:10.1017/S0031182019001720](https://doi.org/10.1017/S0031182019001720) [IF: 2.78, Q1].
167. Khan A, **Ahmed H**, Naz K, Gul S, Ishaque M, Zaidi SSA, Afzal MS, Ali MS, Bokhari SA, Budke CM. 2020. Surgically confirmed cases of cystic echinococcosis from Baluchistan province, Pakistan for the years 2011-2018. *Acta Tropica*, 205(May):105354. <https://doi.org/10.1016/j.actatropica.2020.105354> [IF: 2.56, Q1].
168. Saleem S, **Ahmed H**, Siddiqui T, Kilinc SG, Khan A, Afzal MS, Simsek S. 2020. Through biological control to reduce the disease burden of human schistosomiasis in Asia. *Mini Reviews in Medicinal Chemistry*, 20(12):1118-1132. [doi:10.2174/1389557520666200204114646](https://doi.org/10.2174/1389557520666200204114646) [IF: 2.73, Q1].
169. Gondal MA, Waheed Q, Tariq S, Haider W, Khan A, Rasib Q, **Ahmed H**. 2020. Morpho-ecological study of freshwater mollusks of Margalla foothills, Pakistan. *Pakistan Journal of Zoology*, 52(3):863-874. <https://dx.doi.org/10.17582/journal.pjz/20190130090145> [IF: 0.79, Q3].
170. Muhammad Q, Ayub U, Afzal MS, Saqib MAN, **Ahmed H**, Siddiqui S. 2020. Dataset of knowledge, attitude, practices and psychological implications of healthcare workers in Pakistan during COVID-19 pandemic. *Data in Brief*, 32(October):106234. <https://doi.org/10.1016/j.dib.2020.106234> [Cite score; 1.5, Q2].

171. Saqib MAN, Siddiqui S, Muhammad Q, Jamil MA, Rafique M, Ayub U, **Ahmed H**, Afzal MS. 2020. Effect of COVID-19 lockdown on patients with chronic diseases. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, 14(6):1621-1623 <https://doi.org/10.1016/j.dsx.2020.08.028>
172. Nawaz S, Irum S, **Ahmed H**, Shamas S, Roshan S, Rafi MA, Ullah I, Parveen G. 2020. Phlebotominae sandflies distribution and incidence of leishmaniasis from selected areas of Punjab Province, Pakistan. *Punjab University Journal Zoology* 35(2):173-177. <https://dx.doi.org/10.17582/journal.pujz/2020.35.2.173.177> [Q3].
173. Ali S, Saleem S, Imran M, Rizwan M, Iqbal K, Qadir G, Ahmed H, Umar S, Khan WA, Khan I, Neubauer H. 2020. Detection of Brucella antibodies in selected wild animals and avian species in Pakistan. *Ind Journal Animal Research*, 54(4):478-481. [doi:10.18805/ijar.B-799](https://doi.org/10.18805/ijar.B-799) [IF: 0.395, Q3].
174. Ahmad KS, Wazarat A, Mehmood A, Ahmad MSA, Tahir MM, Nawaz F, Ahmed H, Zafar M, Ulfat A. 2020. Adaptations in *Imperata cylindrica* (L.) Raeusch and *Cenchrus ciliaris* L for altitude tolerance, *Biologia*, 75 (February): 183–198 <https://doi.org/10.2478/s11756-019-00380-2> [IF: 0.72, Q2].

2019

175. Khan A, **Ahmed H**, Budke CM. 2019. Echinococcosis in Pakistan: A call for research. *Lancet Infectious Diseases*, June,19;6:581.[https://doi.org/10.1016/S1473-3099\(19\)30221-X](https://doi.org/10.1016/S1473-3099(19)30221-X) [IF: 27.51, Q1].
176. Khan A, Afzal MSA **Ahmed H**. 2019. Leishmaniasis in Pakistan: A call for action. *Travel Medicine and Infectious Disease*, 32(November–December):101516. <https://doi.org/10.1016/j.tmaid.2019.101516> [IF: 4.87,Q1].
177. Ali S, Akhter S, Khan I, **Ahmed H**, Maalik A, Neubauer H, Melzer F, El-Adawy HH, 2019. Molecular typing of *Brucella abortus* isolated from cattle in different districts of Pakistan based on Bruce-ladder-PCR and MLVA-16 assays. *Pakistan Veterinary Journal*, 39(3):463-465, <http://dx.doi.org/10.29261/pakvetj/2018>. [IF: 1.36,Q1].
178. González Ariceaga CC, Afzal MI, Umer M, Abbas S, **Ahmed H**, Sajjad M, Parvaiz F, Imdad K, Imran M, Maan AA, Khan MKI, Ullah A, Hernández-Montes A, Aguirre-Mandujano E, Villegas de Gante A, Jacquot M, Cailliez-Grimal C. 2019. Physicochemical, sensorial and microbiological characterization of poro cheese, an artisanal Mexican cheese made from raw milk. *Foods*, 8(10), 509. <https://doi.org/10.3390/foods8100509> [IF: 3.04,Q1].
179. Haqqi A, Munir R, Khalid M, Khurram M, Zaid M, Ali M, Shah ZH, **Ahmed H**, Afzal MS. 2019. Prevalence of HCV genotypes in pakistan; current scenario and review of literature. *Viral Immunology*, 32(9):402-413. [doi: 10.1089/vim.2019.0058](https://doi.org/10.1089/vim.2019.0058) [IF: 1.41,Q1].
180. Khan A, **Ahmed H**, Simsek S. 2019. War, migration, refugees and cystic echinococcosis. *Travel Medicine and Infectious Diseases*, 28(March–April):111-112. <https://doi.org/10.1016/j.tmaid.2018.09.012> [IF: 4.87,Q1].
181. Khan A, Ayaz A, Naz K, Gondal MA, Haider W, Afzal MS, Yayi G. **Ahmed H**. 2019. Knowledge, Attitude & Practices (KAPs) regarding Rabies endemicity among the community members, Pakistan. *Acta Tropica*, 200 (December):105156. [doi: 10.1016/j.actatropica.2019.105156](https://doi.org/10.1016/j.actatropica.2019.105156) [IF: 2.62, Q1].
182. Mustafa H, Arshad M, **Ahmed H**, Khan A, Simsek S. 2019. A reterospective study on human cystic echinococcosis from five major meteropolitan cities of Pakistan. *Acta Parasitologica*, 64(4):866-872. [doi: 10.2478/s11686-019-00109-w](https://doi.org/10.2478/s11686-019-00109-w) [IF: 1.00, Q2].

183. Khan A, Simsek S, **Ahmed H**. 2019. Make headway for echinococcosis; Take along the ignored cases, *Iranian J of Parasitology*, 14;3(Jul-Sep):497-498 [IF: 0.74,Q2].
184. Naveed A, Ali S, **Ahmed H**, Simsek S, Rizwan R, Umar S. 2019. Seroprevalence and risk factors of *Toxoplasma gondii* in wild birds of Punjab province, Pakistan. *Journal Of Wildlif Diseases*, 55(1):129-135, doi: 10.7589/2017-09-228 [IF: 1.15, Q1].
185. Khan A, Rasib Q, **Ahmed H**. 2019. Children mortality and malnutrition as a global issue. *Clinical Nutrition*, Aug;38(4):1968-1969, <https://doi.org/10.1016/j.clnu.2019.03.035> [IF: 6.40, Q1].
186. Khan A, Rasib Q, Saleem A Bokhari, **Ahmed H**. 2019. Emerging trend of dengue and chikungunya fever in Pakistan; Lesson learnt from the past. *Travel Medicine and Infectious Diseases*, 29(May – Jun):67-68. <https://doi.org/10.1016/j.tmaid.2019.04.005> [IF: 4.87, Q1].
187. Nogueira J, Baessa MC, Asif S, Ahmad K, Pereira CG, Zengin G, Santos T, Mollica A, **Ahmed H**, Varela J, Boukhari SA, Rodrigues M, Kayani WQ, Barreira L, Rosa Neng N. 2019. A comparative study of the in vitro enzyme inhibitory and antioxidant activities of *Butea monosperma* (Lam.) Taub. and *Sesbania grandiflora* (L.) Poiret from Pakistan: new sources of natural products for public health problems. *South African Journal of Botany*, 120 (1): 136-146, <https://doi.org/10.1016/j.sajb.2018.04.006> [IF: 1.50,Q1].
188. Kayani T, Khan S, Noureen N, Yasmin T, **Ahmed H**, Zakrira RM, Mehboob M. Farrakh S. 2019. Isolation and characterization of culturable endophytic bacterial community of stripe rust resistant and susceptible Pakistani wheat cultivars. *International Microbiology*, 22(2):191-201. doi:10.1007/s10123-018-00039-z [IF: 1.26, Q2].
189. Khan A, **Ahmed H**, Simsek S, Gondal MS, Afzal MS, Irum S, Muhammad I, Mansur H, Fatima A, Ali MS, Asghar S, Akbar A, Riaz N, Weiping W, Yayi G. 2019. Poverty-associated emerging infection of cystic echinococcosis in population of Northern Pakistan: A hospital-based study. *Tropical Biomedicine*, 36(2):324-334 [IF: 0.42, Q3].
190. Ali M, **Ahmed H**, Ramzan S, Ali S, Qayyum M, Simsek S. 2019. Monitoring of some anthelmintics against gastrointestinal nematodes in sheep and implications of resistance in Barani region, Pakistan. *Kafkas Uni Vet Fak Derg*, 5(3):373-378. doi: 10.9775/kvfd.2018.21009 [IF: 0.41, Q2].
191. Ahmad A, Mehmood A, Hamid A, **Ahmed H**, Hussain S, Nawaz F. 2019. Quantitative ethnopharmacological profiling of medicinal shrubs used by indigenous communities of Rawalakot, District Poonch, Azad Jammu and Kashmir, Pakistan *Revista Brasileira de Farmacognosia*, 29(5):665-676 <https://doi.org/10.1016/j.bjp.2019.06.008> [IF: 1.754, Q1].
192. Malik A, Ali S, Iftikhar A, Rizwan M, **Ahmed H**, Khan AI, Khan S. 2019. Prevalence, risk factors and antibiotic resistance of *Staphylococcus aureus* from bovine subclinical mastitis in district Kasur, Punjab, Pakistan. *Pak J of Zoology*, 51(3), 1123-1130. <http://dx.doi.org/10.17582/journal.pjz/2019.51.3.1123.1130> [IF: 0.79, Q3].

2018

193. Khan A, Naz K, Ahmed H, Simsek S, Afzal MS, Haider W, Saeed S, Farrukh S, Weiping W, Yayi G. 2018. Knowledge, attitudes and practices related to cystic echinococcosis endemicity in Pakistan. *Infectious Diseases of Poverty*, 22;7(1):4 doi:10.1186/s40249-017-0383-2 [IF: 3.17, Q1].
194. Arif I, Ahmed, H, Asif S, Ali S, Afzal MS, Sheir AR, Afzal I, Umer M, Ozyalin O, Simsek S. 2018. A computational structural analysis of functional attributes of Hypodermin A and B proteins: A way forward for vaccine development. *Pakistan Journal Of Pharmaceutical Sciences*, 31(6): 2443-2451 [IF: 0.804, Q2].

195. Afzal MS, Zahoor S, Kabir M, Munir S, **Ahmed H**. 2018. Recurrence of Chikungunya outbreak; an upcoming problem for Pakistan. *Future Virology*,13(5), 309-311, <https://doi.org/10.2217/fvl-2017-0118> [IF: 1.12, Q1].
196. Yousaf S, Kaukab G, Ahmad MS, Khalid N, Asif S, **Ahmed H**, Gulfranz M. 2018. Pharmacological and phytochemical analysis of *Bergenia ciliate* leaf and rhizome extracts. *Pakistan Journal Of Pharmaceutical Sciences*,31(5): 1911-1916 [IF: 0.804, Q2].
197. González Ariceaga CC, Afzal MI, Umer M, Shah SMU, **Ahmed H**, Jacquot M, Cailliez-Grimal C. 2018. Effect of alginate beads on olfactory sensory perception of paraffin-coated cheese. *Czech J Food Sci*, 36(3):255–260. doi: 10.17221/431/2016-CJFS [IF: 0.868, Q3].
198. Khan A, **Ahmed H**, Khan H, Simsek S, Afzal MS, Kilinç SG, Kesik HK, Yayi G. 2018. A retrospective analysis on the Cystic Echinococcosis (CE) cases occurred in northeastern Punjab Province, Pakistan. *Korean J O Parasitology*, 56,4:1-6, doi: 10.3347/kjp.2018.56.4.385 [IF: 1.20, Q2].
199. Khan A, **Ahmed H**, Simsek S. 2018. Prevalence of hydatidosis in livestock in Chakwal district of Pakistan. *Asian Pacific Journal of Tropical Medicine (APJTM)*, 11, Suppl S1:34, doi:10.4103/1995-7645.243101 [IF: 1.63, Q2].
200. Khan A, **Ahmed H**, Simsek S. 2018. Molecular epidemiology of Echinococcus species in Pakistan. *Asian Pacific Journal of Tropical Medicine (APJTM)*, 11, Suppl S1:37, doi:10.4103/1995-7645.243103 [IF: 1.63, Q2].
201. Khan A, **Ahmed H**, Simsek S. 2018. Echinococcus in Pakistan: One belt & one road initiative. *Asian Pacific Journal of Tropical Medicine (APJTM)*, 11, Suppl S1:46, doi:10.4103/1995-7645.243114 [IF: 1.63, Q2].

2017

202. Khalid S, Khalid N, Khan RS, **Ahmed H**, Ahmad A. 2017. A review on chemistry and pharmacology of Ajwa date fruit and pit. *Trends in Food Science & Technology*. 23; 60-69, doi.org/10.1016/j.tifs.2017.02.009 [IF: 6.60, Q1].
203. Gazioglu A, Simsek S, Kizil O, Kaya H, Ceribasi AO, **Ahmed H**. 2017. Clinical and pathological evaluation and CT screening of coenurosis (*Coenurus cerebralis*) in sheep and calves. *Brazilian J of Veterinary Parasitology*, 26(1):3-9, doi: http://dx.doi.org/10.1590/S1984-29612016090 [IF: 1.13, Q1].
204. Mobeen M, **Ahmed H**, Ullah F, Riaz MO, Mustafa I, Khan MR, Hanif MH. 2017. Impact of climate change on precipitation patterns in district Sargodha, Punjab, Pakistan. *International Journal of Climate Change Strategies and Management*, 9 (1); 718-731. doi:10.1108/IJCCSM-10-2015-0147 [IF: 0.757, Q1].
205. Talib A, Khan, AA, Jilani G, **Ahmed H**. 2017. The Nano-Magnetic dancing of Bacteria hand in hand with oxygen. *Brazilian Archives Biology & Technology*, 59 (Jan-Dec): e16160769, http://dx.doi.org/10.1590/1678-4324-2017160769 [IF: 0.676, Q2].
206. Ali S, Akhter S, Muhammad A, Khan I, Khan WA, Iqbal MN, Umar S, **Ahmed H**, Ali Q. 2017. Seroprevalence and risk factors associated with bovine brucellosis in the Potohar Plateau, Pakistan. *BMC Research Notes*, 1(73), doi.org/10.1186/s13104-017-2394-2 [Q2].

207. Irum S, **Ahmed H**, Mirza B, Donskow-Iysoniewska K, Muhammad A, Qayyum M, Simsek S. 2017. *In vitro* and *in vivo* anthelmintic activity of extracts from *Artemisia parviflora* and *A. sieversiana*. *Helmenthologia*, 54(3):218– 224, doi.org/10.1515/helm-2017-0028 [IF: 0.472, Q2].
208. **Ahmed H**, Simsek S, Saki CE, Kesik HK, Gunyakti Kilinc S. 2017. Molecular characterization of *Hypoderma* spp. by PCR-RFLP and sequence analysis. *Journal Of Parasitology*, 103(4):303-308. [doi: 10.1645/16-185](https://doi.org/10.1645/16-185) [IF: 1.326, Q1]
209. **Ahmed H**, Sergiou S, Sofia K, Gunyakti Kilinc S, Simsek S. 2017. First molecular characterization of *Hypoderma actaeon* in cattle and red deer (*Cervus elaphus*) from wild reservoir in Portugal. *Korean Journal of Parasitology*, 55(6): 653-658 doi.org/10.3347/kjp.2017.55.6.653 [IF: 1.027, Q1].

2016

210. **Ahmed H**, Afzal MS, Mobeen M, Simsek S. 2016. An overview on different aspects of hypodermosis: Current status and future prospects. *Acta Tropica*, 1(162):35-45. [doi: 10.1016/j.actatropica.2016.05.016](https://doi.org/10.1016/j.actatropica.2016.05.016) [IF: 2.21, Q1]
211. Afzal SM, **Ahmed H**. Recent HCV genotype changing pattern in the Khyber Pakhtunkhwa province of Pakistan; is it pointing out a forthcoming problem? *Brazilian Journal of Infectious Diseases*, 2016. 20 (03): 212-213. e17343. <http://dx.doi.org/10.1016/j.bjid.2015.12.011> [IF: 1.40, Q2].
212. Khan J, Boston N, Safdar W, Amir S, Aimen N, **Ahmed H**, Afzal MS. 2016. Molecular epidemiology and genotyping of SEN virus in thalassemia patients in Pakistan. *Infection, Genetics and Evolution*, 44,300-302. [doi: 10.1016/j.meegid.2016.07.019](https://doi.org/10.1016/j.meegid.2016.07.019) [IF: 2.88, Q1].
213. Ali S, Akhter S, Muhammad A, Khan I, Khan WA, Iqbal MN, Umar S, **Ahmed H**, Ali Q. 2016. Identification, characterization and antibiotic sensitivity of *Aeromonas hydrophila*, a causative agent of epizootic ulcerative syndrome in wild and farmed fish from Pothwar, Pakistan. *Pakistan Journal of Zoology*, 48(3): 899-901 [IF: 0.491, Q3].
214. Bostan N, Amen N, Adam T, Durrani AA, Mehmood T, Shakoar A, **Ahmed H**, Javed S. 2016. Risk factors involved in spread of HCV in patients from sub urban Rawalpindi and their association with existing genotypes. *Tropical Biomedicine*. 33(3): 652-662 [IF: 0.719, Q3].
215. Bostan N, Naeem M, Mustafa I, Khan AA, Haider W, Asif S, Khan MR, Ahmad SS, Afzal MS, Ali S, **Ahmed H**. 2016. Sero-prevalence of hepatitis B and C virus from rural areas of northern Punjab (Sargodha district), Pakistan. *Tropical Biomedicine*. 33(4): 1–9 [IF: 0.719, Q3].
216. Mustafa S, Maghboolb AS, Eqani SA, Ahmad R, **Ahmed H**. Trends of climate change in the lower indus basin region of Pakistan: future implications for agriculture. *International Journal of Climate Change Strategies and Management*, 8(5):718-731, [doi:10.1108/IJCCSM-07-2015-0098](https://doi.org/10.1108/IJCCSM-07-2015-0098) [IF: 0.611, Q2].
217. Qureshi H, Asif S, **Ahmed H**, Hayyat K. 2016. Chemical composition and medicinal significance of *Fagonia cretica*: A Review. *Natural Product Research*, 30(6):625-39. [doi: 10.1080/14786419.2015.1036268](https://doi.org/10.1080/14786419.2015.1036268) [IF: 1.828, Q1].
218. Urooj R, Ahmad SS, Ahmad MN, Nawaz M. **Ahmed H**. 2016. Ordination study of vegetation analysis around wetland area: a case study of Mangla dam, Azad Kashmir-Pakistan. *Pakistan Journal of Botany*, 48(1): 115-119 [IF: 0.70,Q2].
219. Safdar S, Shareef R, Boston N, Haider J, Zahra N, Abbas S, **Ahmed H**. 2016. Comparative analysis of nine different small heat shock protein genes promoter in *Oryza sativa* L. ssp. *Indica*. *Plant Systematics and Evolution*. 302(9):1195–1206 [doi:10.1007/s00606-016-1325-3](https://doi.org/10.1007/s00606-016-1325-3) [IF: 1.239, Q1].

220. Khan AA, Omer KA, Talib A, **Ahmed H**, Arshad M, Sarmidi RM. 2016. Green tropical phytoextracts – promising anticancer alternative human and animal health. *Brazilian Archives of Biology and Technology*, 59 (Jan- Dec). doi: [10.1590/1678-4324-2016160062](https://doi.org/10.1590/1678-4324-2016160062) [IF: 0.55, Q2].

2015

221. Muhammad A. **Ahmed H**, Iqbal MN, Qayyum M. 2015. Detection of multiple anthelmintic resistance of *Haemochus contortus* and *Teladorsagia circumcincta* in sheep and goats of Northern Punjab, Pakistan. *Kafkas Univ. Vet. Fak. Derg.* 21 (3): 389-395, doi: [10.9775/kvfd.2014.12581](https://doi.org/10.9775/kvfd.2014.12581) [IF: 0.418, Q2].
222. Khan M R, **Ahmed H**, Panadero-fontan R, Sandez C L, Farooq M, Naqvi SMS, Qayyum M. 2015. Risk mapping of bovine hypodermosis by using Geographical Information System (GIS) in cattle of subtropical region, Pakistan. *Journal of Infection in Developing Countries (JIDC)*, 9(8):872-877, doi: [10.3855/jidc.5387](https://doi.org/10.3855/jidc.5387) [IF: 1.13, Q2]/
223. Mustafa I, Ghani I, Arif N, Asif S, Khan MR, Waqas A, Eqani SAS, Irum S, Malik I, **Ahmed H**. 2015. Comparative metal profile in different organs of house sparrow (*Passer domesticus*) and black kite (*Milvus migrans*) in Sargodha district, Punjab Pakistan. *Pakistan Journal of Zoology*, 47(4), 1103-1108 [IF: 0.478, Q3].
224. Afzal SM. Ahmad T. **Ahmed H**. 2015. Hepatitis C Virus Infection in Iran; Viral Spread Routes in General Population and Safety Measures. *Hepatitis Monthly* 10/2015; 15(10):e17343, doi: [10.5812/hepatmon.17343](https://doi.org/10.5812/hepatmon.17343) [IF: 1.93, Q1].
225. Mustafa I, Ghani I, Arif N, Asif S, Khan MR, Waqas A, Eqani SAS, Irum S, Malik I, **Ahmed H**. 2015. Population Dynamics of house sparrow (*Passer domesticus*) and house crow (*Corvus splendens*) in Punjab (District Sargodha), Pakistan. *Pakistan Journal of Zoology*, 47(4):1147-1155 [IF: 0.478, Q3].
226. Mustafa I, **Ahmed H**, Lodhi M, Khan M R, Afzal MS, Ali MI, Ali MS, Ali MS, Haider W, Qayyum M. 2015. Newcastle disease as an emerging disease in peacock of Tharparkar region of Pakistan. *Journal of Infection in Developing Countries (JIDC)*, 9(8):914-916, doi: [10.3855/jidc.5258](https://doi.org/10.3855/jidc.5258) [IF: 1.13, Q2].
227. Irum S. **Ahmed H**, Mirza B, Łysoniewska KD, Qayyum M. 2015. Anthelmintic activity of *Artemisia vestita* Wall ex DC and *Artemisia maritima* L. against *Haemonchus contortus* of sheep. *Veterinary Parasitology*, 212(3-4):451-55 doi: [10.1016/j.vetpar.2015.06.028](https://doi.org/10.1016/j.vetpar.2015.06.028) [IF: 2.24, Q1].
228. Mustafa I. Shahbaz M. Asif S, Khan MR, Saeed U, Sadiq F, Mehmood T, **Ahmed H**, Simsek S. 2015. Availability, cyst characteristics and hook morphology of *Echinococcus granulosus* isolates from livestock (cattle, sheep and goats) in central Punjab, Pakistan. *Kafkas Univ. Vet. Fak. Derg* 21(6):849-854, doi: [10.9775/kvfd.2015.13755](https://doi.org/10.9775/kvfd.2015.13755) [IF: 0.418, Q2].

2014

229. Arshad M, Siddique F, Ahmed S, Mustafa I, Anwar P, Asif S, **Ahmed H**. 2014. An epidemiological study on prevalence of goat warble fly infestation (GWFI) in Punjab Province, Pakistan. *Kafkas Univ. Vet. Fak. Derg.* 20 (1): 35-40, doi: [10.9775/kvfd.2013.9402](https://doi.org/10.9775/kvfd.2013.9402) [IF: 0.258, Q2].
230. Arshad M, Ahmed N, Mustafa I, **Ahmed H**. 2014. Avifauna studies in co-relation with alteration in climatic patterns and hydrology of uchalli lake Punjab, Pakistan. *Pakistan Journal of Zoology*, 46(2):503-515 [IF: 0.333, Q3].
231. Mustafa I, Raza ABM, Arshad M, Ghani A, **Ahmed H**. 2014. Population dynamics of citrus leaf miner (CLM) (*Phyllocnistis citrella*: Stainton) on different species of citrus in correlation with abiotic

environmental factors in district Sargodha Punjab Pakistan. *Phytoparastica*. 42(3):341-348, doi:10.1007/s12600-013-0371-4 [IF: 1.64, Q2].

232. Mustafa I, Saman, Asif S, **Ahmed H**. 2014. Seasonal activity of tick infestation in goats and buffalo of Punjab province (District Sargodha), Pakistan. *Kafkas Univ. Vet. Fak. Derg.* 20(5): 655-662, doi:10.9775/kvfd.2014.10676 [IF: 0.258, Q3].
233. Syed J, Alamdar A, Muhammad A, Shabbir Z, **Ahmed H**, Ali M, Sani S, Bokhari H, Malik R, Gallagher K, Ahmad I, Eqani S. 2014. Pesticide residues in the exportable fruit and vegetables from Pakistan; A review on consumers health. *Environmental Science & Pollution Research*, 21(23):13367-13393, doi:10.1007/s11356-014-3117-z [IF: 2.61, Q1].
234. Mustafa I, Saman, Asif S, **Ahmed H**. 2014. Association of citrus leaf miner with leaf biochemical factors (Ca^{+2} , K^{+} and Mg^{+2}) in kinnow leaves of district Sargodha, Punjab Pakistan. *Pakistan Journal of Zoology*, 46(4):953-958 [IF: 0.333, Q1].
235. Aslam U, Ahmad I, Hussain M, Khan A, Ghani A, Mustafa I, Jalal S, Aqeel MA, Asif S, **Ahmed H**. 2014. Effect of heavy metal pollution on mineral absorption in sunflower (*Helianthus annuus* L.) hybrids. *Acta Physiologiae Plantarum*, 36(1):101-108 doi:10.1007/s11738-013-1390-y (IF: 1.52).
236. Ahmad N, **Ahmed H**, Irum S, Qayyum M. 2014. Seroprevalence of IgG and IgM antibodies and associated risk factors for toxoplasmosis in cats and dogs from subtropical arid parts of Pakistan. *Tropical Biomedicine*, 31(4):1–8 [IF: 0.85, Q3].
237. **Ahmed H**, Khan MR, Panadero-fontan R, Sandez CL, Mustafa I, Ghani A, Hussain M, Asif S, Ahmad A, Naqvi SMS, Qayyum M. 2013. Prevalence of bovine hypodermosis in water buffalo (*Bubalus bubalis*) from Jhelum district, Pakistan. *Kafkas Universitesi Veteriner Fakültesi Dergisi*. 19 (1):79-84, doi:10.9775/kvfd.2012.7227 [IF: 0.495, Q3].
238. Mustafa I, Raza ABM, Arshad M, Khan M R, **Ahmed H**. 2013. Correlation of citrus leaf miner (*Phyllocnistis citrella*: Stainton) with snail population in district Sargodha Punjab, Pakistan. *Pakistan Journal of Zoology*, 45 (2):453-458 [IF: 0.333, Q3].
239. **Ahmed H**, Khan MR, Panadero-fontan R, Sandez CL, Mustafa I, Qayyum M. 2013. Development of Indirect ELISA for the diagnosis of bovine hypodermosis (*Hypoderma lineatum*) in the cattle of subtropical region of Pakistan. *Kafkas Universitesi Veteriner Fakültesi Dergisi*. 19 (6):1017-1022, doi:10.9775/kvfd.2013.9348 [IF: 0.495, Q3].
240. **Ahmed H**, Khan MR, Panadero-fontan R, Mustafa I, Sandez CL, Qayyum M. 2013. Influence of epidemiological factors on the prevalence and intensity of *Hypoderma* spp. in cattle of Potowar region, Pakistan. *Pakistan Journal of Zoology*, 45(6):1495-1500 [IF: 0.495, Q3].

2012

241. **Ahmed H**, Khan M R, Panadero-fontan R, Sandez C L, Farooq M, Naqvi SMS, Qayyum M. 2012. Geographical distribution of hypodermosis (*Hypoderma* sp.) in Northern Punjab, Pakistan. *Kafkas Universitesi Veteriner Fakültesi Dergisi*.. 18 (Suppl-A):A215-1219 doi:10.9775/kvfd.2012.6533 [IF: 0.495, Q3].

CONFERENCE PROCEEDINGS (Abstracts):

242. Khan SS, Khan A, Hussain N, Afzal MS, Gondal MA, **Ahmed H**. Emerging trends of theileriosis in Pakistan. *Asian Pac J Trop Med* 2019; 12(Suppl 1):41 (IF:1.77).
243. Khan SS, Khan A, Afzal MS, Ali S, **Ahmed H**. An overview of Crimean-Congo hemorrhagic fever in Pakistan. *Asian Pac J Trop Med* 2019; 12(Suppl 1):32 (IF:1.77).

244. Simsek S, Kesik HK, **Ahmed H**. Updated status of cystic echinococcosis in humans and livestock in Turkey. *Asian Pac J Trop Med* 2019; 12(Suppl 1):28 (IF:1.77).
245. Khan A, Khan SS, Gondal MA, Afzal MS, Umer M, Afzal MI, **Ahmed H**. An overview of dengue fever in Pakistan. *Asian Pac J Trop Med* 2019;12(Suppl 1):26 (IF:1.77)
246. Khan A, Khan SS, Afzal MS, Gondal MA, Ali MI, Riaz N, **Ahmed H**. An overview of chikungunya in Pakistan. *Asian Pac J Trop Med* 2019; 12(Suppl 1):25 (IF:1.77).
247. Khan A, Afzal MS, Ali MI, Riaz N, **Ahmed H**. Emerging trend of leishmaniosis in Pakistan: Current status and future prospects. *Asian Pac J Trop Med* 2019; 12(Suppl 1): 23 (IF:1.77)
248. Khan A, Rasib Q, Riaz S, Ali I, Riaz N, Afzal MS, **Ahmed H**. An update on HIV in transgenders of Pakistan. *Asian Pac J Trop Med* 2019; 12 (Suppl 1): 21 (IF:1.77).
249. Afzal MS, Hussain W, Mateen M, Khurram M, Zaid M, Ali M, **Ahmed H**. Prevalence and future prospects of HIV in Pakistan. *Asian Pac J Trop Med* 2019; 12(Suppl 1):20 (IF:1.77).

BOOK CHAPTERS

1. Safdar, W., Qazi, A.S., Ahmed, S., Tariq, M.R., **Ahmed, H**. (2024). Nonconventional and Novel Strategies to Produce Spirulina Biomass. In: Mehmood, M.A., Verma, P., Shah, M.P., Betenbaugh, M.J. (eds) *Pharmaceutical and Nutraceutical Potential of Cyanobacteria*. Springer, Cham. https://doi.org/10.1007/978-3-031-45523-0_7
2. Bashir R, Muhammad A, Shah NA, **Ahmed A**. 2023. The Potential Use of Animals for the Production of Veterinary Products. In: Hashmi, M.Z., Saeed, A., Musharraf, S.G., Shuhong, W. (eds) *Recent Advances in Industrial Biochemistry*. Springer, Cham. https://doi.org/10.1007/978-3-031-50989-6_2
3. Saleem A, Saeed MA, Shah NA, Kaleem I, **Ahmed H**, Khattak SH. 2024. Using Plants as Vaccines. In: Hashmi, M.Z., Saeed, A., Musharraf, S.G., Shuhong, W. (eds) *Recent Advances in Industrial Biochemistry*. Springer, Cham. https://doi.org/10.1007/978-3-031-50989-6_4
4. Aftab T, Saeed MA, Yousuf A, Hussain M, Shah NA, **Ahmed H**. 2023. XAI and Disease Diagnosis in book titled: *Explainable Artificial Intelligence (XAI) in Healthcare*. CRC Press, Francis & Taylor press, Chapter 8, pp. 100-140 doi: [10.1201/9781003426073-8](https://doi.org/10.1201/9781003426073-8)
5. Jan WU, **Ahmed H**, Shah NA. 2023. XAI for Advancements in Drug Discovery in book titled: *Explainable Artificial Intelligence (XAI) in Healthcare*. CRC Press, Francis & Taylor press. Chapter 11, pp. 169-195 doi: [10.1201/9781003426073-8](https://doi.org/10.1201/9781003426073-8)
6. Sadia S, Ahmad KS, Mahmood A, Abbasi AM, Nawaz F, **Ahmed H**, Hameed M, Ahmad F, Rani W. 2021. Plant resources and their uses in salt range, Pakistan. In: Abbasi A.M., Bussmann R.W. (eds) *Ethnobiology of Mountain Communities in Asia*. Ethnobiology. Springer, Cham. pp. 163-173, https://doi.org/10.1007/978-3-030-55494-1_8
7. Mustafa A, Ahmad KS, Mahmood A, Nawaz F, **Ahmed H**, Hameed A, Liqat I. 2021. Ethnobotany of mountain region of Himalaya, district Poonch, Azad Kashmir. In: Abbasi A.M., Bussmann R.W. (eds) *Ethnobiology of mountain communities in Asia*. Ethnobiology. Springer, Cham. pp. 245-267, https://doi.org/10.1007/978-3-030-55494-1_13.
8. Ulhaq I, Basit A, Ali I, Hussain F, Ali Z, Siddique F, **Ahmed H**, Aqib AI, Rahim K. 2021. Coronavirus disease-2019 (COVID- 19) epidemiology. *COVID-19: epidemiology, biochemistry and diagnostics*, vol. 1, pp. 1-41, doi: [10.2174/97898149989321210101](https://doi.org/10.2174/97898149989321210101)

CONFERENCE PROCEEDINGS (Poster publications):

1. **Ahmed et al.**, Poster Publication on “**Impact of Zoonotic diseases in changing Climate on livestock Production**” 5th international conference on agriculture, food security and climate change organized The University of Poonch Rawalakot, AJK and PAS Forum and HEC 9 to 11, Sep, **2014**
 2. **Ahmed et al.**, Poster Publication on “**Impact of climate change on livestock production system in Pakistan**” 5th International conference on agriculture, food security and climate change organized The University of Poonch Rawalakot, AJK and PAS Forum and HEC 9 to 11, Sep, **2014**.
 3. **Ahmed et al.**, Poster Publication on “**Food and agricultural wastewater treatment and utilization in Pakistan**” 5th International conference on agriculture, food security and climate change organized The University of Poonch Rawalakot, AJK and PAS Forum and HEC 9 to 11, Sep, **2014**.
 4. Ahmad W, Umer M, Alam S, Zia MH, Afzal MI, **Ahmed H**. Poster Publication on “**Need for sustainable land management in pakistan under the changing scenario of climate**” of 5th international conference on agriculture, food security and climate change organized The University of Poonch Rawalakot, AJK and PAS Forum and HEC 9 to 11, Sep, **2014**.
 5. Sohail A. **Ahmed H**, Simsek S. Poster Publication on "Stochastic analysis and negative binomial approach for the study of echinococcosis" **19. Ulusal Parazitoloji Kongresi and Uluslararası Katılımlı Ekinokokkozis Sempozyumuç, Ezrum, Turkey** to 5-9, October, 2015. No. PB136. s209.
 6. Mustafa I. **Ahmed H**, Khan A. Hussain SM. Javid A. Asif S. Khan MR. Saeed U. Sadiq F. Simsek S.
-

Poster Publication on "Comparitive biochemistry of hydatid cyst fluid isolated from livestock in

7. Pakistan” **19. Ulusal Parazitoloji Kongresi and Uluslararası Katılımlı Ekinokokkozis Sempozyumuç, Ezrum, Turkey** to 5-9, October, 2015. No. PB137. s210

CONFERENCE PROCEEDINGS (Oral presentations):

1. Oral publication by Umhang G, Bastien F, Cartet A, **Ahmed H**, Azzurra S, Rebecca K et al. 2022. **From field to fork: contamination of lettuces by *Echinococcus multilocularis*, *Echinococcus granulosus sensu lato* and other *Taenidae* species eggs in Europe and beyond.** 15th International Congress of Parasitology (ICOP), Copenhagen Denmark, 21-26th, August, 2022.
 2. Oral publication on “**Pak Agri cloud: Cloud based crop management system for Pakistan**” by Ahmad N, Tanvir S, Asif S, Khan MR, **Ahmed H** in 5th International Conference on Agriculture, Food Security and Climate Change organized The University of Poonch Rawalakot, AJK and PAS Forum and HEC 9 to 11, Sep, **2014**.
 3. Oral publication on “**Cloud computing and internet as an emerging technology for livestock production in changing climate**” Ahmad N, Tanvir S, Asif S, Khan MR, **Ahmed H** in 5th International Conference on Agriculture, Food Security and Climate Change organized The University of Poonch Rawalakot, AJK and PAS Forum and HEC 9 to 11, Sep, **2014**.
 4. Oral publication on “**Numerical modeling of effective diffusivity in bone tissue engineering**” by Sohail A, Maqbool K, Asif A, **Ahmed H**. ICAB 2015: XIII International Conference on Agriculture and Biotechnology, World Academy of Science, Engineering and Technology. Jeddah, Saudi Arabia, January (26-27). 3(1):1-5.
-

REFERENCES:

1. Prof. Dr. Sami Simsek
Professor
Head of Department
Department of Parasitology
Faculty of Veterinary Medicine, University of Firat, 23119, Elazig-Turkey
Phone: +90 424 2370000 ext:3967
Fax: +90 424 2388173
Email: ssimsek@firat.edu.tr
2. Prof. Dr. Rosario Panadaero Fontan
Professor
Departamento de Patología Animal
Sanidad Animal, Facultad de Veterinaria de Lugo,
Universidad de Santiago de Compostela, 27071 Lugo, Spain
Email id: rosario.panadero@usc.es
3. Prof. Dr. Christine M. Budke
Professor
Department of Veterinary Integrative Biosciences,
College of Veterinary Medicine & Biomedical Sciences,
Texas A & M University, College Station, Texas, United States of America
E-mail: cbudke@cvm.tamu.edu

Languages Known: Punjabi (Native), Urdu (Native), English (Near Native) and Arabic (Good)
