

Curriculum Vitae

PERSONAL INFORMATION

Name: Yassir Ali Almofti Ahmed

Date of birth: 1972.12.23

Place of birth: Atabara-Sudan

Nationality: Sudanese

Languages: Arabic, English, Chinese

Current Academic status: **Professor**

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Present address: University of Bahri, College of Veterinary Medicine,
Department of Molecular Biology & Bioinformatics



ACADEMIC QUALIFICATIONS

Professor Promotion to the status of Professor of Biochemistry,
Molecular Biology and Bioinformatics August 2021
from University of Bahri/ Sudan

Associate professor Promotion to associate professor of Biochemistry, Molecular Biology and Bioinformatics July 2016 from University of Bahri/ Sudan

Doctor of philosophy Doctor of philosophy (PhD) in Biochemistry and Molecular Biology, Antimicrobial resistance and molecular Bacteriology, June 2011.
Huazhong Agricultural University. College of Veterinary Medicine Wuhan-People Republic of China

Title: *Impact of macrolide resistance on the virulence properties and fitness of Campylobacter jejuni*

Master degree: Master degree (M.Sc) in Biochemistry. University of Khartoum, College of Veterinary Science, March 2004.

Title: *Effect of bovine tropical theileriosis on haematology and serum constituents in naturally infected calves.*

University education: Bachelor degree (honor BVsc) in Veterinary Science, University of Bahr Elghazal (UBG) Sudan. College of Veterinary Science, 1998

Primary school: Atabara Almantiga-Alnoor 1980-1986 (Sudan)

Secondary school: Atabara Alkhidmat School 1986-1989 (Sudan)

Higher secondary school: Atabara higher secondary school 1989-1992 (Sudan)

WORKING EXPERINCE

[1] **2019, April** Deputy Dean of College of Veterinary Medicine/ University of Bahri.

[2] **2018, July to April 2019** Head department of Molecular Biology and Bioinformatics.

[3] **July 2013 to June 2018:** Head department of Biochemistry and Molecular Biology, College of Veterinary Medicine, University of Bahri.

[4] **2016:** Promotion to associate professor of Biochemistry and Molecular Biology, July 2016 from University of Bahri/ Sudan

[5] **July 2011** promotion to Assistant professor / Department of Biochemistry and Molecular Biology/ College of Veterinary Medicine/ University of Bahri

[6] **2004-2007**, Lecturer in Department of Biochemistry/ University of Bahr Elgazal

[7] **2000- 2004**, Teaching assistance/ University of Bahr Elgazal/ Department of Biochemistry

[8] **1999- 2006**, Veterinary Doctor in Judge Service Administration farm

[9] **1998- 1999**, Judge Service Administration farm (compulsory training)

TEACHING EXPERIENCE:

[1] Establishing the Bioinformatics Master program in the College of Veterinary Medicine University of Bahri in the year 2015

[2] Teaching **Advance Molecular Biology and Bioinformatics Courses** in the program of Master of Bioinformatics, College of Veterinary Medicine University of Bahri/ Sudan since 2015

[3] Teaching **Advance Genomics Courses** in the program of Master of Bioinformatics, College of Veterinary Medicine University of Bahri/ Sudan since 2015

[4] Teaching **Immunoinformatics (Vaccine design)** in the program of Master of Bioinformatics, College of Veterinary Medicine University of Bahri/ Sudan since 2015

[5] Teaching **Advance Molecular Biology Courses** in the program of Master of Science in Epidemiology, College of Public Health, University of Bahri/ Sudan

[6] Teaching **Molecular Biology and Bioinformatics Courses** to the Master degree student- College of Public and Environmental Health- University of Bahri- 2016

[7] Teaching **Molecular Biology and Bioinformatics courses** to the 3rd Year College of Veterinary Medicine University of Bahri

[8] Teaching **Biochemistry courses (metabolism of carbohydrates, metabolism lipids, metabolism protein, metabolism nucleic acids and vitamins and clinical biochemistry, integration of the metabolic pathways)** courses to the 2nd Year College of Veterinary Medicine University of Bahri

- [9] Teaching **Biochemistry Courses (Chemistry of biomolecules)** to the 1st Year College of Veterinary Medicine University of Bahri.
- [10] Teaching **Chemistry Courses** to the 1st Year College of Veterinary Medicine University of Bahri.
- [11] Teaching **Scientific English** courses to the 2nd Year College of Veterinary Medicine University of Bahri.
- [12] Preparation of the syllabus of the **Biochemistry Practical Manual** for 1st and 2nd year students- College of Veterinary Medicine University of Bahri
- [13] Preparation of the syllabus of the **Bioinformatics Programme** for the Master of Bioinformatics- College of Veterinary Medicine University of Bahri
- [14] Teaching the **Practical Courses of Chemistry** to the 1st Year College of Veterinary Medicine University of Bahri
- [15] Teaching the **Practical Courses of Biochemistry** to the 1st and 2nd year Students College of Veterinary Medicine University of Bahri
- [16] Teaching **Biochemistry Courses (Biochemistry-1)** to the 1st Year College of Veterinary Medicine University of Khartoum- 2016
- [17] 7vision training centre: **(Certified trainer)**, teaching **Molecular Biology** courses in cooperation with the seven vision centre for training 2015- 2016
- [18] Teaching **Molecular Biology** courses to the bachelor degree student of lesion section and plant health (4th year) - College of Agriculture- University of Bahri- Since Dec 2015
- [19] Instructor of the 1st training programme for **“Practical Teaching Methodology”** - West kordofan, Alsalam University 2014

[20] Instructor of the course of **Basic Molecular Biology Program** held at the College of Veterinary Medicine, University of Bahri- 2014

[21] Teaching **Biochemistry Courses** to **Post graduate students**, University of Bahr Elghazal 2006-2007

[22]Teaching **Bioinformatics Course** in the program of Master of Molecular Medicine, Faculty of Medicine; Alneelain University/ Sudan 2020

[22]Teaching **Bioinformatics (Course of Alignment and Sequence Analysis)** in the program of Master of Bioinformatics, Faculty of Graduate Studies and Scientific Research; National University-Sudan [NUSU] 2020

[23]Teaching **Bioinformatics (Immunoinformatics and in silico vaccine design)** in the program of Master of Bioinformatics, Faculty of Graduate Studies and Scientific Research; National University-Sudan [NUSU] 2020

TRAINING COURSES

[1] **2021:** Training course on online training in using zoom platform for online teaching. University of Bahri, Deanship of academic research

[2] **2018:** Training course of Bioinformatics, real time PCR, western blot and flow cytometry- Fujian Medical University/ Peoples Republic of China

[3] **2018:** Training workshop on Next generation sequencing (NGS) and Gene expression profile analysis (College of Veterinary Medicine, University of Bahri)

[4] **2018:** Bioinformatics training course of H3ABioNet Pan African Bioinformatics Network for H3Africa (IBT-2018)

[5] **2016:** Training course in Strategic planning using balanced scorecard (BSC)

[6] **2015:** Training course in Writing, Designing and Assessment of the Review Book with the Concept of the Intellectual Property and Authors Rights- Deanship of scientific Research- University of Bahri.

[7] **2015:** Training course in Scientific Paper Writing organized by the Deanship of Scientific Research University of Bahri

[8] **2014:** Training course in Basics of Scientific Research (Medical & Health Sector)- University of Khartoum- Centre for Advanced Training

[9] **2005:** Molecular Biology lectures (level one) National Health Laboratory Ministry of Health, Sudan

[10] **2005:** Molecular Biology lectures (level two) National Health Laboratory Ministry of Health, Sudan

[11] **1997:** Umdurman Veterinary Hospital/ Sudan- training certificate.

OTHER SKILLS

[1] **2008:** Certificate of Chinese language Proficiency (HSK)

COLLEGE ADMINSTRATIVE WORK AND ACTIVITIES

[1] **2021:** Head of interrogation committee for the lecturer: Dr: Mai (College of Engineering, University of Bahri) and Ustaz Marwa (University Guards).

[2] **2021:** Head of the committee for revision and updating the curricula of the College of Veterinary Medicine. University of Bahri

- [3] **2021:** Head of the committee for enrollment of student's admission academic year 2020-2021
- [4] **2020:** Head of the committee for preparing the curricula for the College of Veterinary Medicine, Alsaaam University, Somalia
- [5] **2020** Member of the promotion committee for Dr Munzir M Alhaj from Algadaref University
- [6] **2019:** Head of the committee of the enrollment of student's admission academic year 2019-2020
- [7] **2019, April** Deputy Dean, College of Veterinary Medicine/ University of Bahri
- [8] **2018** Head department of Molecular Biology and Bioinformatics
- [9] **2017** Member of the committee of The 1st National Conference of Bioinformatics and Genomics (NCBG)
- [10] **2017:** Member of the committee for interrogating and reviewing the PhD degree for: Abubaker Ahmed (University of Bahri College of Medicine)
- [11] **2016:** Member of the enrollment of the teaching assistants committee
- [12] **2016:** Head of interrogation committee of the lecturer: Khalid Haroun Mohammed Abdelgadir (College of Engineering, University of Bahri)
- [13] **2014:** College laboratory materials, equipments and devices counting and listing for all the college's departments
- [14] **2014:** Member of the admission committee of upgrading students
- [15] **2013 to 2018:** Head department of Biochemistry and Molecular Biology
- [16] **2012:** Member of the student's admission committee

COMMUNITY SERVICE:

[1] **2016:** Participated in the week of the medical treatment and community service that held in the period 7 to 12 May, 2016 in the Petro-Energy Company-Khartoum

[2] **2015:** Participated in the week of the medical treatment and community service that held in the period 12 to 17 Dec, 2015 in the National Electricity Corporation-Khartoum

[3] **2011 to 2018:** Head department of the Chinese Language Translation section-Hawasha Hospital. Khartoum

CONFERENCES AND SYMPOSIUMS

[1] **2016:** Climate change: animal Health and environment as a model- SSMO Hall-Khartoum-Sudan

[2] **2015:** Introduction to Clinical Bioinformatics towards the Development of Personalized Healthcare- Sudanese Society of Hypertension/ the 2nd International Conference of Hypertension

[3] **2015:** the second forum of Animal health Food safety from animal origin-SSMO hall- Sudan

[4] **2013:** Control of Veterinary Drug residues in Food derived From Animals-Khartoum – Sudan

RESEARCH GRANTS

[1] **2014:** Ministry of Higher Education and Scientific Research- Sudan Project: Prevalence and antibiotic resistance in *Campylobacter* spp. Isolated from poultry in Khartoum State

JOURNALS REVIEWER

[1] Iranian Journal of Pharmaceutical Research

#Article title: Manuscript ID: IJPR-2103-15287: An Immunogenic Multi-epitope Protein from *Brucella abortus* by Immunoproteomics and Bioinformatics Approaches

[2] Journal of Veterinary Medicine (University of Bahri)

#Article title: Anti-inflammatory effects of ethanolic extract of *Amaranthus viridis* against carrageenan induced Paw oedema in Albino Rats

[3] Bio Technologia journal

#Article title: Immunoinformatics approaches to design a novel multi-epitope vaccine candidate against SARS-CoV-2 and it's in silico expression

[4] Journal of Scientific Reports

#Article title: IL-15, IL-1Ra, IFN-g and CCL11 compose a reliable algorithm to discriminate adverse events following 17DD-YF primary vaccination according to cause-specific definitions

[5] International Journal of Peptide Research and Therapeutics (IJPR) (springer)

IJPR-D-20-00046:

#Article title: Aminopeptidase N based multi epitope peptide vaccine of anopheles culicifacies using immunoinformatics

[6] Informatics in Medicine Unlocked (Elsevier)

#Article title: Construction of a multi-epitope protein for human *Toxocara canis* detection: Immunoinformatics approach (Manuscript Number: IMU-D-20-00302)

#Article title: Proteome-Wide Subtraction to Design Potential Subunit Vaccine against Drug Resistant Strains of *Mycobacterium tuberculosis*: An Immunoinformatics and Molecular Dynamics Simulation Approach (Manuscript Number: IMU-D-20-00225)

#Article title: Immunoinformatic approach for the evaluation of sortase C and E proteins as vaccinological targets against caseous lymphadenitis. (Manuscript Number: IMU-D-20-00241)

[7] Journal of Immunological Methods (Elsevier)

Manuscript number JIM_2018_329.

#Article title: In silico identification of epitopes present in human heat shock proteins (HSPs) overexpressed by tumour cells

[8] Journal of Applied and Industrial Science

#Article title: Detection of the teratogenic effect of furdan on pregnant Nubian goats

SUPERVISION

[1] Supervisor for the master degree for the student: Abdelrahman Abdalla Mustafa (Master of Bioinformatics). **TITLE:** Development of multiepitopes vaccine against Gumboro virus using the viral whole proteome (National University)_approved 2021

[2] Supervisor for the master degree for the student: Abdelmajeed Maisra Alshafie (Master of Bioinformatics). **TITLE:** Development of multiepitopes vaccine against

Human Papilloma virus16 using L1 and L2 proteins (National University)
approved 2021

[3] Supervisor for the master degree for the student: Mohammed omer Alfadil (Master of Bioinformatics). **TITLE:** Development of multiepitopes vaccine against capsid precursor protein of Human astrovirus: an immunoinformatics approach (National University)_approved 2021

[4] Supervisor for the master degree for the student: Nuha Amin Mahmoud (Master of Bioinformatics). **TITLE:** insilico design of multi epitopes vaccine prediction against Jaagsieket sheep retrovirus via reverse vaccinology (National University)_approved 2021

[5] Supervisor for the master degree for the student: Siham Osman Alshafie (Master of Bioinformatics). **TITLE:** Structural analysis of Avian Leukosis virus to predict multi epitopes vaccine from the viral whole proteome (National University) approved 2021

[6] Supervisor for the master degree for the student: Amna Ahmed Ibrahim (Master of Bioinformatics). **TITLE:** Development of multiepitopes vaccine against Varicella zoster virus using the viral whole proteome (National University) approved 2021

[7] Supervisor for the master degree for the student: Ahmed Abdelmoim (Master of Bioinformatics). **TITLE:** Development of multiepitopes vaccine against Hepatitis A virus using the viral whole proteome (National University)_approved 2021

[8] Supervisor for the master degree for the student: Nahla Abdella Mohammed Ahmed (Master of Bioinformatics). **TITLE:** Immunoinformatics approach for

Developing multi-epitopes vaccine against Cache Vally virus (National University) approved 2021

[9] Supervisor for the master degree for the student: Safaa Alhussien Abdalwahab Mohammed Ali (Master of Bioinformatics). **TITLE:** Immunoinformatics Approach for Vaccine Design Prediction against La Crosse virus (LACV) (National University)_approved 2021

[10] Supervisor for the PhD degree for the student: Fedyas Yousif AbdelSalam. **TITLE:** Molecular characterization and assessment of low pathogenicity Avian Influenza Virus H4N6 and H6N6 subtypes in Chinese poultry. Approved 2021 (University of Bahri, College of Veterinary Medicine) ongoing

[11] Supervisor for the PhD degree for the student Samah Gaysar Musa Elzein. **TITLE:** Tumor suppressor gene (TP53) mutations on the onset of breast cancer in Sudanese women using deep learning approach. Approved 2021. (Sudan University of Science and Technology, College of Biomedical engineering) ongoing

[12] Supervisor for the master degree (Research Scientific Paper) for the student: Amal Abdallah Nasr Gomaa. **TITLE:** Effect of Heat treatment and pH on different antimicrobials activity in milk. Approved 2021 (University of Bahri, College of Veterinary Medicine) (ongoing)

[13] Supervisor for the master degree for the student: Nadia Mohammed Mohammed Salih. **TITLE:** Risk Assessment of Antimicrobial Resistance in Escherichia coli Isolated from Beef Meat in Khartoum State. Approved 2021 (University of Bahri, College of Veterinary Medicine) (ongoing)

[14] Supervisor for the master degree for the student: Hanady Elfatih Mustafa Alamin. **TITLE:** Designing of Multi-Epitopes Peptide Vaccine against African Horse Sickness Virus using Immunoinformatics Based Approach. Approved 2021 (University of Bahri, College of Veterinary Medicine) (ongoing)

[15] Supervisor for the master degree for the student: Mohamed Hashim Alshiekh Mohamed. **TITLE:** Designing of Multi-Epitopes Peptides Vaccine against Plasmodium Vivax parasite using Immunoinformatics Based Approach, Approved 2021 (University of Bahri, College of Veterinary Medicine) (ongoing)

[16] Supervisor for the master degree for the student: Ola Eltayeb Ahmed Elmansoor. **TITLE:** Immunoinformatics Analysis of Ebola Virus Glycoproteins for Multi Epitopes Vaccine Prediction. Approved 2021 (University of Bahri, College of Veterinary Medicine) (ongoing)

[17] Supervisor for the master degree for the student: Thowiba Omer Ebeed Ahmed. **TITLE:** Computational analysis for developing multiepitopes vaccine against Newcastle disease virus infections using the viral whole proteome, Approved 2021 (University of Bahri, College of Veterinary Medicine) (ongoing)

[18] Supervisor for the master degree for the student: Wegdan Ibrahim Ismail Julla. **TITLE:** Exploring Puumala orthohantavirus proteome for Multi-Epitopes Peptide Vaccine prediction via reverse vaccinology. Approved 2021 (University of Bahri, College of Veterinary Medicine) (ongoing)

[19] Supervisor for the master degree for the student: Shoroog Hafiz Elsoni Ahmed. **TITLE:** Determination of the mutant prevention concentration of different antimicrobial agents against *E. coli*. Approved 2021 (University of Bahri, College of Veterinary Medicine) (ongoing)

[20] Supervisor for the master degree for the student: Wejdan Omer Ahmed (Master of food safety of animal origin). **TITLE:** Effect of lactoperoxidase enzyme system in improving shelflife of raw milk in traditional and modern dairy farms in Khartoum state (University of Bahri, College of Veterinary Medicine) approved 2020 (ongoing)

[21] Supervisor for the master degree for the student: Yasmin Mahjoob Osman Hassan. **TITLE:** Evaluation of antibiotics usage in poultry meat production and processing establishments in Khartoum State. Approved 2020 (University of Bahri, College of Veterinary Medicine) (ongoing)

[22] Supervisor for the PhD degree for the student: Huda Khalid Mohammed Abdalla. **TITLE:** Isolation and Identification of *Aspergillus* spp and the impact of their Aflatoxins on poultry liver. Approved 2019 (University of Bahri, College of Veterinary Medicine) (on going).

[23] Supervisor for the master degree for the student: Fatima Hassan Mohammed Suliman. **TITLE:** Prevalence of virulence Genes in *Campylobacter* spp isolated from Broilers farms in bahri locality (University of Bahri, College of Veterinary Medicine) approved 2019 (**ongoing**)

[24] Supervisor for the master degree for the student: Nafisa Hassan Abdallah Mohammed. **TITLE:** Molecular Identification antimicrobial resistance profile of *Campylobacter* species from broilers in Bahri Locality – Sudan (University of Bahri, College of Veterinary Medicine) approved 2019 (**ongoing**)

[25] Supervisor for the master degree for the student: Mutwakil Suleiman Tornow Kuku. **TITLE:** Assessment of current status of control measures implemented in slabs at kasala state, Sudan (University of Bahri, College of Veterinary Medicine) (ongoing) Approved 2019. (on going)

[26] Supervisor for the master degree for the student: Ranya Mohamed Sid Ahmed (Master of Bioinformatics). **TITLE:** In Silico Modeling and Immunoinformatics approach for Epitope-Based Peptide Vaccine against Foot and Mouth Disease Virus Polyprotein (University of Bahri, College of Veterinary Medicine)_approved 2019 (finished under review)

[27] Supervisor for PhD degree for the student: Ahd Gamer Eldeen Hamied

TITLE: Characterization of Chikungunya Virus among Acute Febrile Suspected Malaria Patients in El-Dalang. Approved 2019 (Sudan University of Science and Technology, College of Biomedical Laboratory) (on going)

[28] Supervisor for PhD degree for the student Maysa Ragab Toto Arment

TITLE: Molecular characterization of foot and mouth disease virus in Sudan. Approved 2018 (University of Bahri, College of Veterinary Medicine) (on going)

[29] CO-supervisor for PhD student Osama Mohamed Mohamed Khair Ali

TITLE: Sero-prevalence and Molecular Characterization of Hepatitis B virus and Hepatitis Delta virus co infection among Hepatocellular Carcinoma and Liver Cirrhosis Patients in Khartoum state– Sudan. . Approved 2018 (University of Bahri, College of Veterinary Medicine) (on going)

[30] Supervisor for the master degree for the student Khadeja Osman Yousif Abdalla, **TITLE:** Computational Prediction of Multi-Epitopes Vaccine from Envelope E Protein against Louping Ill Virus via Reverse Vaccinology. Approved 2018 (Alneelian University, master of Molecular medicine) (**finished and published**)

[31] Supervisor for the master degree for the student Marwa Karar Husain

TITLE: In Silico Prediction of Multi-Epitopes Vaccine from the Fusion F Protein Against Respiratory Syncytial Virus. . Approved 2018 (Alneelian University, master of Molecular medicine) **(finished and published)**

[32] Supervisor for the master degree for the student Fatima Khalid Alhassan

TITLE: Structural Analysis of Avian Encephalomyelitis Virus Polyprotein for Development of Multi Epitopes Vaccine Using Immunoinformatics Approach. Approved 2018 (Alneelian University, master of Molecular medicine) **(finished and published)**

[33] Supervisor for the master degree for the student Marwa Abdelrahman Mohammed, **TITLE:** Computational Analysis for Prediction of Multi Epitopes Vaccine against Blue Tongue Virus Serotype 4 from VP5 and VP7 Proteins. Approved 2018 (Alneelian University, master of Molecular medicine) **(finished and published)**

[34] Supervisor for the master degree for the student Sarah Azhary Mohamed

TITLE: Assessment of antimicrobial resistance in dairy farms manure in Bahri locality (University of Bahri, College of Veterinary Medicine) Approved 2018 **(finished and published)**

[35] Supervisor for the master degree for the student Yasmine Elsafi Ibrahim

TITLE: Molecular characterization of Staphylococcus aureus isolated from mastitic ewes and the type of the mutations of the antibiotics resistant genes. Approved 2018 (University of Bahri, College of Veterinary Medicine) **(finished)**

[36] Supervisor for the master degree for the student: Mohyeldin Ahmed

TITLE: Identification and antimicrobial resistance pattern of Salmonella spp isolated from broilers farms. Approved 2017 (University of Bahri, College of Veterinary Medicine) **(finished)**

[37] Supervisor for the master degree for the student: Sanna Bashir (Master of Bioinformatics). **TITLE:** Multi Epitope Based Peptide Vaccine against Marek's Disease Virus Serotype 1 Glycoprotein H and B (University of Bahri, College of Veterinary Medicine) approved 2017 **(finished and published)**

[38] Supervisor for the master degree for the student: Nisreen Osman (Master of Bioinformatics). **TITLE:** Multi Epitope Peptide Vaccine against Human Parvovirus B19 Using Immuno-Informatics Approaches (University of Bahri, College of Veterinary Medicine)_approved 2017 **(finished and published)**

[39] Supervisor for the master degree for the student: Manahil Jalal (Master of Bioinformatics) **TITLE:** Identification of Multi Epitopes Vaccine against Virulent Strains of Avian Infectious Laryngotracheitis Virus Glycoprotein D (University of Bahri, College of Veterinary Medicine) approved 2017 **(finished and published)**

[40] Supervisor for the master degree for the student: Walla Hasab Elrasoul Makki (Master of Bioinformatics). **TITLE:** Novel Multi Epitopes Vaccine Candidates against Vesicular Stomatitis Virus through Reverse Vaccinology (University of Bahri, College of Veterinary Medicine)_approved 2017 **(finished and published)**.

[41] Supervisor for the master degree for the student: Sumaia Awad Elkareem Ali (Master of Bioinformatics). **TITLE:** Immunoinformatics Approach for Multiepitopes Vaccine Prediction against Glycoprotein B of Avian Infectious Laryngotracheitis Virus (University of Bahri, College of Veterinary Medicine) approved 2017 **(finished and published)**

[42] Supervisor for the master degree for the student: Bothina Bakor Mohammed Gaafar (Master of Bioinformatics). **TITLE:** Immunoinformatics Approach for Multiepitope Vaccine Prediction from H, M, F, and N Proteins of Peste des Petits Ruminants Virus (University of Bahri, College of Veterinary Medicine) approved 2017 **(finished and published)**

[43] Supervisor for the master degree for the student: Mashair A. A. Nouri (Master of Bioinformatics). **TITLE:** Identification of Novel Multi Epitopes Vaccine against the Capsid Protein (ORF2) of Hepatitis E Virus (University of Bahri, College of Veterinary Medicine)_approved 2017 **(finished and published)**

[44] Supervisor for the master degree for the student: Elkhaleel Ahmed Ali Babiker (Master of Bioinformatics). **TITLE:** Novel T-lymphocytes vaccine candidates against human mumps virus via reverse vaccinology (University of Bahri, College of Veterinary Medicine)_approved 2017 **(finished and published)**

[45] Supervisor for the master degree for the student: Rolla Abdalkader Ahmed (Master of Bioinformatics). **TITLE:** Structural Analysis of the Polymerase Protein for Multiepitopes Vaccine Prediction against Hepatitis B Virus (University of Bahri, College of Veterinary Medicine) approved 2017 **(finished and published)**

[46] Supervisor for the master degree for the student: Salah Eldin G Elzaki (Master of Bioinformatics). **TITLE:** Modelling and Immuno-informatics Approach for Multi Epitope Vaccine against Human T-Lymphotropic Virus-1 (HTLV-1) Enveloped Glycoprotein 46 (University of Bahri, College of Veterinary Medicine) approved 2017 **(finished under review)**

[47] Supervisor for the master degree for the student: Samra Obai Mohamed (Master of Bioinformatics). **TITLE:** In silico analysis for multi epitopes vaccine prediction from glycoprotein M of Crimean-Congo hemorrhagic fever virus:

Reverse vaccinology approach (University of Bahri, College of Veterinary Medicine)_approved 2017 **(finished and published)**

EXTERNAL EXAMINER

[1] External examiner for evaluation of scientific manuscript for the student
Ahamad Dauda Saleh Jaudat (Master of Bioinformatics). TITLE: The apparent ACE2 gene SNPs variability among Africans may justify the limited COVID-19 infection incidence: bioinformatics analysis, 2021

[2] External examiner for evaluation of scientific manuscript for the student
Reem Salahaldin Khalid Hamad (Master of Bioinformatics). TITLE: Profound Biotindase deficiency casued by D444H resulting in recurrent early childhood death in Sudanese family, 2021

[3] External examiner for evaluation of scientific manuscript for the student
Elhami Abdelmoati Alnaeim (Master of Bioinformatics). TITLE: In silico post GWAS functional fine mapping and annotation of COVID-19BY FUNA platform, 2021

[4] External examiner for evaluation of scientific manuscript for the student
Aisha Khider Babiker Alhassan (Master of Bioinformatics). TITLE: In silico functional annotation and characterization of the hypothetical proteins from Streptococcus mutans B04Sm5, 2021

[5] External examiner_for the student Mohammed Hassan Akasha

Degree examined for (Msc/ Biochemistry/2021, University of Khartoum). Title of thesis\ dissertation: Effect of supplementation of Biogen S probiotic on the growth performance and some biochemical parameters of Ross-308 broilers chicks

[6] External examiner_for the student Rieham Sallah Hassan Osman

Degree examined for (Msc/ Biochemistry/2021, University of Khartoum). Title of thesis\ dissertation: Effect of addition of different dietary concentrations of Capsicum frutescens (Hot Red Pepper) on the Growth Performance and Some Biochemical Parameters in Broiler Chickens

[7] Internal examiner_for the student Maryam Abdalla Yagoob Aradeb

Degree examined for (Msc/ food safety /2021). Title of thesis\ dissertation:

Prevalence and antimicrobial resistance of Salmonella spp isolated from beef meat in Khartoum State, Sudan

[8] External examiner_for the student: Shaima Abdelrahman Mohammed Ali

Degree examined for (Msc/ microbiology and infection control, 2020 from National University, Khartoum, Sudan.

Title: Prevalence of antimicrobial resistance organisms among catheter associated urinary tract infection admitted in emergency unit in Omdurman teaching hospital at April-August 2019

[9] External examiner_for the student Lina Murtada Abdelrasheed Derar.

Degree examined for (Msc/ microbiology and infection control, 2020 from National University, Khartoum, Sudan.

Title: Molecular Mechanism of multidrug resistance in Pseudomonas aeruginosa strain NUBRI-P isolated from Sudanese patient

[10] External examiner for the student: Basma Abdelhafeez Mohammed Kheer Degree examined for (Msc/ microbiology and infection control, 2020 from National University, Khartoum, Sudan.

Title: Molecular mechanism of multidrug resistance in *Acinetobacter baumannii* strain NUBRI-A using whole genome sequencing.

[11] **External examiner_for the student: Megdame Ibrahim Ali Alnour**

Degree examined for (Msc/ microbiology and infection control, 2020 from National University, Khartoum, Sudan.

Title: Immunoinformatics prediction and in-silico analysis of multiple peptides from EBNA1 and EBNA2 proteins against Epstein Barr Virus.

[12] **External examiner_for the student: Shaima Abdelgadir Abdelnabi Ali**

Degree examined for (Msc/ microbiology and infection control, 2020 from National University, Khartoum, Sudan.

Title: Genome characterization and comparative genomic analysis of *Acinetobacter baumannii* strain NUBRI-A isolated from Sudanese patient

[13] **External examiner for the student: Lamia Mohyeldeen Ibrahim**

Degree examined for (Msc/ microbiology and infection control, 2020 from National University, Khartoum, Sudan.

Title: Molecular detection of herpes simplex virus type 1 (HSV-1) in keratoconjunctivitis patients in Khartoum state/ Sudan

[14] **External examiner_for the student: Sahar Omer Abdelghani Taha**

Degree examined for (Msc/ microbiology and infection control, 2020 from National University, Khartoum, Sudan.

Title: Different phenotypic and molecular mechanism associated with multidrug resistance in *Klebsiella pneumonia* NUBRI-K isolated from Sudanese patient

[15] **External examiner_for the student: Nehal Abd Elkareem Jubart alla**

Degree examined for (Msc/ microbiology and infection control, 2020 from National University, Khartoum, Sudan.

Title: Computational analysis of plasmid resistance genes in Escherichia coli strain NUBRI-E isolated from Khartoum/Sudan

[16] External examiner_for the student: Zainab Ahmed Khabeir Ahmed

Degree examined for (Msc/ microbiology and infection control, 2020 from National University, Khartoum, Sudan.

Title: Identification of antibiotics resistance genes in multidrug resistant Klebsiella pneumonia strain NUBRI-K

[17] External examiner_for the student: Ali Mohammed Tawfik Ali

Degree examined for (Msc/ microbiology and infection control, 2020 from National University, Khartoum, Sudan.

Title: In silico analysis of plasmid resistance genes in Pseudomonas aeruginosa strain NUBRI-P isolated from Khartoum, Sudan

[18] External examiner for the student: Elshimaa Esameldin Abdelhalim Hassan

Degree examined for (Msc/ microbiology and infection control, 2020 from National University, Khartoum, Sudan.

Title: In-silico analysis of the structural and biochemical features of transcription factors GATA1, GATA 2 and GATA3

[19] External examiner_for the student: Athar Ahmed Hassan Musa

Degree examined for (Msc/ microbiology and infection control, 2020 from National University, Khartoum, Sudan.

Title: Whole genome sequencing for detection of antimicrobial resistance in *Acinetobacter baumannii* strain NUBRI-A isolated from Sudanese patient

[20] **External examiner_for the student Nuha Ahmed Mohamed Modawi**

Degree examined for (Msc/ Biochemistry/2020, University of Khartoum). Title of thesis\ dissertation:

Serum plasma proteins and immunoglobulins concentration in bovine naturally infected with *Mycoplasma mycoides* in Khartoum State, Sudan

[21] **External examiner for the student: Eeissa Idris Abdalla.**

Degree examined for: Master degree of Biochemistry– University of Khartoum, Faculty of Veterinary Medicine, Sudan.

Title: Combined effects of Zingerbier Officinale and Ascorbic acid on oxidative stress markers in Wistar Albino rats fed high saturated fat diet- 2019

[22] **External examiner_for the student: Sanaa Abdelmalek Ahmed Mahmoud.**

Degree examined for: Master degree of Biochemistry– University of Khartoum, Faculty of Veterinary Medicine, Sudan

Title: Combined Effects of Citrus Aurantifolia (lime) Juice and Atorvastatin on Lipid Profile and Liver Function in Hypercholesterolemic rats- 2019

[23] **External examiner_for the student Ebtehal Alsawi Hassan.**

Degree examined for (Msc/ Biochemistry/2019, University of Khartoum). Title of thesis\ dissertation: Effect of Methanolic extracts of Punica Granatum (Pomegranate) Peels on Liver Functions in Wistar Albino Rats

[24] **External examiner for the student Manal Ibrahim Hussin Mohammed.**

Degree examined for (Msc/ Biochemistry/2017, University of Khartoum)

Title of thesis\ dissertation: Blood Metabolites Profile of Donkeys (Equus asinus)
In Alfashir, North Darfur, Sudan

[25] **External examiner for the student Marwa Osman Abd-aldayem Ahmed.**

Degree examined for (Msc/ Industrial biotechnology/2017)-Africa city of biotechnology, Khartoum, Sudan.

Title of thesis\ dissertation: A review in Erythrina lectins

[26] **External examiner for the student Marwa Abass Hamza Asmelly.**

Degree examined for (Msc/ Molecular Bacteriology/2017)-Alneelian University, Khartoum, Sudan.

[27] **External examiner for the student Nura Babikr Elhadi.**

Degree examined for (Msc/ Industrial biotechnology/2017)-Africa city of biotechnology, Khartoum, Sudan.

[28] **External examiner for the student Hala Omer Abass.**

Degree examined for (Msc/ Industrial biotechnology/2017)-Africa city of biotechnology, Khartoum, Sudan.

[29] **External examiner for the student Eman Abdelsalam Mohammed Ahmed.**

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[1] Mohamed SO, **Yassir A. Almofti**, Abd Elrahman KA (2021). Exploring Crimean Congo Hemorrhagic Fever Virus Glycoprotein M to Predict Multi-

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[5] Elsideeq E. M. Eltilib, **Yassir A. Almofti***, Khoubieb Ali Abd-elrahman, Mashair A. A. Nouri (2020). Modeling and in Silico Analysis for Prediction of Epitopes Vaccine against Norwalk virus from Capsid Protein (VP1) through Reverse Vaccinology. American Journal of Infectious Diseases and Microbiology, Vol. 8, No. 1, 29-44

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