

Curriculum Vitae

Personal details

Name: Afra Abd Elhamid Fadlal

Gender:Female

Date of birth: 25/10/1983

Nationality: Sudanese

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Education and Qualification

MSC Khartoum University, Faculty of Veterinary, **2013**
Department of Biochemistry

Thesis title: The Effect of Monosodium Glutamate in Plasma Insulin
Glucose Levels in Wester Albino Rats

BS Khartoum University, Faculty of Science, **2006**
Department of zoology
Honor degree

Key courses:

Biochemistry	Physiology
Immunology	Molecular biology
Parasitology	Ecology

Diploma Sudan national federation of UNESCO Clubs **2007**

Computer Application

Excellent degree

Diploma Almultaga for training and Human Resources Development **2010-2011**

Introduction to Clinical Pharmacology

Excellent degree

Papers in conferences

Paper	Event	Place	Date
The Effect of Monosodium Glutamate in Plasma Insulin Glucose Levels in Wester Albino Rats	the 5 th Annual Conference of Postgraduate Studies and Scientific Research http://khartoumspace.uofk.edu/handle/123456789/9273	Khartoum University	24-27 February 2014

Published Papers:

- **Highly Conserved Epitopes of ZIKA Envelope Glycoprotein May Act as a Novel Peptide Vaccine with High Coverage: Immunoinformatics Approach**, American Journal of Biomedical Research
<http://www.journaltocs.ac.uk/index.php?action=tocs&journalID=30086>
- **Immunoinformatics Predication and in silico Modeling of Epitope-Based Peptide Vaccine Against virulent Newcastle Disease Viruses**, American Journal of Infectious Diseases and Microbiology,
<http://pubs.sciepub.com/ajidm/4/3/3/>
- **Five thousands DNV envelope protein mutation analysis and computational prediction of tetravalent multi-epitope universal vaccine against Dengue**,
<http://www.grin.com/en/e-book/336285/five-thousands-dnv-envelope-protein-mutation-analysis-and-computational>
- **Immunoinformatics Approach for Designing Epitope-Based Peptides Vaccine of L1 Major Capsid Protein against HPV Type 16**
<http://ijmcr.com/immunoinformatics-approach-for-designing-epitope-based-peptides-vaccine-of-l1-major-capsid-protein-against-hpv-type-16/>
- **In Silico Modeling and Identification of Novel Epitopes-based Vaccine of M polyprotein (Gn/Gc) against Schmallenberg Virus for Ruminants**
<http://www.grin.com/en/e-book/341580/in-silico-modeling-and-identification-of-novel-epitopes-based-vaccine-of>
- **Computational Analysis of Single Nucleotide Polymorphism (SNPs) in Human GRM4 Gene**, American Journal of Biomedical Research,
<http://pubs.sciepub.com/ajbr/4/3/2/>
- **Computational Analysis of Deleterious Single Nucleotide Polymorphisms (SNPs) in Human MutS Homolog6 (MSH6) Gene**, American Journal of Bioinformatics Research,
<http://article.sapub.org/10.5923.j.bioinformatics.20160602.03.html>

- **In silico Analysis of Single Nucleotide Polymorphisms (SNPs) in HumanVCAM-1 gene**, JSM Bioinformatics, Genomics and Proteomics,

<https://www.researchgate.net/publication/303783872>

- **Computational Analysis of Single Nucleotide Polymorphism (Snps) In Human MYC Gene**

<https://www.jsimedcentral.com/Bioinformatics/bioinformatics-1-1011.pdf>

Unpublished paper

- Detection of BRCA1 Gene Novel Mutation and Analysis of SNP rs1799950 in Sudanese Patients with Breast Cancer
- The effect of monosodium glutamate in brain, liver, kidney and pancreas in Wister Albino rats
- Effects of Monosodium Glutamate on Plasma Insulin and Glucose Levels in Wister albino rats
- Molecular and In Silico analysis of carbapenem resistant strains of Acinetobacter baumannii isolated from Sudanese patients

Training and Courses

- Amipharma Laboratories, Khartoum /Sudan, from **24/9/2007** to **06/10/2007** in department of quality control. The course was an orientation in carrying some analytical techniques used analyzing Amipharma product.
- Alwaledin Care Center pharmacy , Al Elafon at **2011**.
- TOT courses in INGOs at **2009**
- Training in Introduction to the Role of Voluntary Organization on Development Work in INGOs from **22/4/2012** to **26/4/2012**
- **SPSS** in Algaim for Computer Science Language Training Center from **9/9/2014** to **9/11/2014**

Experience

- Teacher assistant in zoology laboratory in Khartoum University, faculty of science, Department of Zoology

2006 – 2007

- Teacher assistant in biochemistry laboratory in Khartoum University, faculty of science, Department of Zoology

2008-2007

- Chemist in center laboratory of Khartoum state water corporation

2007-2008

- Human Resources Development Management in INGOs **2007-2008**
- Human Resources Management in INGOs **3/2012 – 7/2012**
- Teacher assistant in biochemistry laboratory in Khartoum University, faculty of science, Department of Zoology **2014**
- Lecturer of biochemistry in Sudan University of Science and Technology, Faculty of animal production science and technology **2016**

Techniques

- Electrophoresis
- DNA extraction
- PCR
- ELISA technique

Instrumentation

- SPECTROPHOTOMETER
- FLAME PHOTOMETER
- CHROMATOGRAPHY

Languages

- Excellent Arabic language (written and spoken)
- Very good English language (written and spoken)

Other

Member of Sudanese Academy for Young Scientists

National Military Service:

- Released since January **2008**

Recommendations:

- Prof. Afaf Izzeldin Abuelgasim, the Head Department of Pathology, Faculty of Veterinary Medicine, University of Khartoum
- Dr. Nabela Department of biochemistry , Faculty of Veterinary Medicine, University of Khartoum
- Dalia Abdullah, Dept. Animal nutrition of Faculty of animal production, University of Khartoum