

PERSONAL INFORMATION

Sabah Ibrahim



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Sex Female | Date of birth 01/04/1990 | Nationality Sudanese

RESEARCH ACTIVITIES

Ibrahim, S. A. and Sabahelkhier, M. K. Evaluation of the toxic influence of vitamin E (dl alpha-tocopheryl acetate) and treatment with aqueous extracts of Cinnamon or Anise. 2017. *International Journal of Medicine*, 5 (2) 248-253. doi: 10.14419/ijm.v5i2.8315
Website: www.sciencepubco.com/index.php/IJM

Ibrahim, S.A., Mohamed, S.B., Kambal, S., Diya-Aldeen, A., Ahmed, S., Faisal, B., Ismail, F., Ibrahim, A., Sabawe, A. and Mohamed, O., 2020. Molecular Detection of Occult Hepatitis B virus in plasma and urine of renal transplant patients in Khartoum state Sudan. *International Journal of Infectious Diseases*.

RESEARCH SKILLS

- DNA extraction techniques (Blood, Buccal cavity, tissue, filter paper)
- PCR and rtPCR / Gel electrophoresis analysis.
- Spectrophotometer analysis.
- Several Bioinformatics Databases (nucleotides and proteins) analysis.
- Professional microscope user.
- Biostatistics software's (SPSS, R, PS power and Sample size program and epiinfo[™])

SUBJECTS SKILLS

- Biochemistry (advanced level), Biostatistics & Research Methodology, Medical Genetics, Molecular Biology(advanced level), Biology (advanced level), Toxicology and Bioinformatics.

WORK EXPERIENCE

Jan 2020- present

Lecturer Researcher (full time)**National University Biomedical Research Institute (NUBRI).****Main duties:**

1. Analysing data using statistical methods including (numerical. Quantitative, qualitative and genomic Data).
2. Conducting research, defining parameters, summarize findings and Performing literature reviews
3. Presenting Biostatistics Workshops
4. Co-author in projects and teaching assistant in bioinformatics workshops.

Jul 2019 –Dec 2019

Research Attaché (un paid)**National University Biomedical Research Institute (NUBRI).**

Main duties:

- To provide support to the Bioinformatics and Molecular Biology departments by:
- Conducting research and summarize findings and Performing literature reviews
- Assisting in lab work, Creating proposals for example conferences.
- Organization of workshops including designing of posters, advertisements and registration
- Attending projects and institute meetings
- Documentation and preparing annual and monthly reports

Achievements:

- Presenting a “**Biostatistics using SPSS workshop**” (speaker), it provided an introduction to biostatistics including how to identify data variables, choosing the appropriate statistical test, testing the hypothesis and presenting the data. It also gave practical sessions on how to use SPSS for data analysis including entering data, manipulating files and data analysis.
- **Teaching assisting** in the **IBT H3ABioNet**, Pan African Bioinformatics Network for H3Africa
- Organization of the Next-Generation Sequencing Data Analysis Using Galaxy workshop (14-19 Oct., 2019) and Microbial Genomics into Practice: Methods and Techniques workshop (8-12 Dec, 2019).

Projects:

- WGS of Gram negative bacteria isolated from Sudan

Apr-2018-present**Supervisor Invigilator (Part-timer)**

British council Sudan – Cultural Institution –British organization

Main duties:

- To ensure that any test administered by the British Council runs smoothly on the test day/s and that all assigned test day duties and standards are met.
- Follow all relevant guidelines and policies in the areas of: Data Protection, Child Protection, Health & Safety, Equal Opportunities and Diversity, and Anti-Fraud.

2013-2015**2017-2019****Laboratory teacher assistant (part-timer)**

Department of Zoology of Science, University of Khartoum.

Main duties:

- The preparation of equipment's, materials and slides and that's mean arriving 30 minutes before the beginning of the lab and to keep the lab clean and in order. Also, to be responsible of a group of students to guide them through the lab and answer their questions. In addition, grading assignments, pre-lab quizzes, notebooks, lab reports presentations and homework.

Jan-March 2018**Lecturer assistant (part-timer)**

Department of Biochemistry, Sudan International University.

Main duties:

- Lecture planning and preparation including presentation and problems. Moreover, encouraging personal development via tutorial, presentations and research. Also, presenting quizzes, assignments and grading them.

Apr-Oct 2018**Documentation, Marketing and customer care assistant**

Polaris shipping for Marine services –Cotecna Inspection Sudan Agent

EDUCATION**2015-2017****Master degree in Biochemistry and Molecular Biology at Al-Neelain University, VERY GOOD Graduate College**

- Thesis topic (published on International Journal of Medicine): Evaluation of the toxic influence of vitamin E (dl alpha-tocopheryl acetate) and treatment with aqueous extracts of Cinnamon or Anise

2006-2013**B.Sc. (honours) in Zoology (with Specialization in Biochemistry and physiology)-University of Khartoum faculty of science, department of zoology (biological section).****SECOND CLASS**

- Thesis topic: Investigation of Some Heavy Metals (Cd, Cu and Pb) Pollution in White Nile River Water in Kosti Port Using Nile Tilapia (*Oreochromis niloticus*) as Bio-indicator).

**DIVISION
ONE**

Courses and workshops

5-9 Jan 2020

Laboratory Quality Management System According to ISO 15189

Main Speaker: Dr. Khalid Mukhtar

Workshop topics:

- The topics includes the 12 elements of quality management

8-12 December 2019

Microbial Genomics into Practice: Methods and Techniques workshop

Speaker: Dr. Mushall Allam- Senior Bioinformatics Scientist- Sequencing Core Facility- National Institute for Communicable Diseases (NICD)- National Health Laboratory Services (NHLS)- Johannesburg, South Africa

Workshop topics:

- Introduction to Next-generation Sequencing (NGS)/Introduction to Galaxy/Trimming and Sequencing Quality Control/ Genome Assembly/ Genome Annotation/Typing and public health applications/Comparative Genome and Phylogenetics Analysis

14-19 October 2019

Next-Generation Sequencing Data Analysis Using Galaxy Workshop

Speaker: Mr. Peter van Heusden- Researcher at South African National Bioinformatics Institute-University of the Western Cape South Africa.

Workshop topics:

- Bioinformatics databases/Intro to Galaxy, NGS Quality Control and NGS mapping with BWA/ NGS Variant Calling with Snippy, Variant Interpretation for M. tuberculosis/ Intro to Phylogenetics (theory and practical)

Jul-October 2019

H3abionet 16S rRNA Microbiome Intermediate Bioinformatics Training Course (The National University-Sudan-Classroom). -NUBRI Institute at The National University-Sudan.

Course topics:

- Introduction to the Linux command line and R/ Introduction to the microbiome and study design - why 16S?
- Preparation for 16S NGS analyses / 16S rRNA analysis pipeline - QC, ASV / Downstream analysis in R

Oct-Dec 2018

Introduction to bioinformatics (IBT), H3BioNet, Pan African bioinformatics network for H3Africa) at NURI Institute at the National University-Sudan.

Course topics:

- Databases and Resources/Linux/ Sequence Alignment/ MSA/ Genomics/ Molecular Evolution and Phylogenetic

TRAINING

2013-2014
Sep-Oct-2012

National Service Trainee

At the Biochemistry, molecular biology and Sand fly and sleeping sickness labs at Veterinary Research Institute, Animal Resource research corporation, Ministry of animal resource and fisheries.

Main duties: "laboratory equipment maintenance, experimental research and report preparation"

Aug-Sep-2016

Laboratory-Trainee-chemical sector at the Drinking Water and Sanitation Unit Training Center (DWST)

(Characterization of physical and chemical properties of water using different devices such as Spectrophotometer, turbidity meter, PH meter, etc.)

PERSONAL SKILLS

Mother tongue(s)
Other language(s)
Digital Skills

Arabic

English (proficient user), German (Intermediate user) and Italy (Basic user)

Graphic design (Photoshop) and word, Excel processing, Adobe illustrator and design, E-mail and documentation.

References

1. **Dr. Sofia Bashir Mohammed Ali**
 - Deputy director of National University Biomedical Research Institute (NUBRI), Khartoum, Sudan
 - P.O Box: 3783/ SUDAN
 - Email address: sofiabashir2002@gmail.com
2. **Prof. Murwan Khalid Sabahelkhier (MSc. Supervisor)**
 - Professor lecturer at the department of biochemistry at Al-Neelain University.
 - E-mail address: mskhalid53@gmail.com, Tel: 0926158550
3. **Dr. Haseeba Ahmed Saad (BSc. Supervisor)**
 - Assistant Professor at the department of Biochemistry, Faculty of Science
 - P.O. Box 321, Khartoum 11115, Sudan
 - Email address: haseebase@hotmail.com