



# Sabah Ahmed Abdelmaged Mohammed

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**Gender**: Female **Date of birth**: 01/01/1984 **Nationality**: Sudanese

## WORK EXPERIENCE

[ 01/07/2019 – 17/10/2021 ]

### Research Fellowship holder

#### *University of Turin*

**City**: Grugliasco

**Country**: Italy

- Working on the project entitled: Searching for genetic marker useful for improvement of camel milk properties (*Camelus dromedarius*).
- Knowledge in molecular genetics techniques like isolation of DNA, polymerase chain reaction (PCR) and genotyping methods like PCR-RFLP.
- Knowledge in bioinformatics; use of software specific for primers design, analysis of sequences, use of databases (NCBI, Pubmed, Blast, RepeatMasker, Transfact, ect.).
- Knowledge in statistics; use of R programming language to analysis (principal component analysis, cluster analysis, time series analysis, linear and non-linear mixed model).
- Knowledge of use of UNIX command line for next-generation sequences data (describe different NGS data file formats, perform QC assessment of high throughput sequencing data, perform read alignment and variant calling).

[ 07/04/2014 – 30/06/2019 ]

### Researcher

#### *Animal Resources Research Corporation*

**City**: Khartoum

**Country**: Sudan

- Working on the project entitled: Evaluation of production performance of Butana cattle ecotype under the condition of Atbra Livestock Research Station ( use of best linear unbiased prediction (BLUP) for heritability and breeding value estimates for the production and reproduction traits.
- Conduct research on the camel with a focus on milk production for the improvement of qualitative characteristics.
- Characterization of Sudanese camel ecotypes (Darfori, Bushari and kenani) based on phenotypes and production.

[ 01/11/2011 – 01/02/2013 ]

### Lab technician

#### *Blue Nile pharmaceuticals*

**City**: Khartoum

**Country**: Sudan

- Preparation of solutions for the setup of drugs production.
- Measurements of physical composition of tablets produced by the farm.



[ 01/12/2008 – 01/10/2011 ]

### **Teaching assistant**

#### ***Sudan University of Science & Technology***

**City:** Khartoum

**Country:** Sudan

- Teaching activities in two majors: a) Comparative anatomy and b) dairy science for bachelor students.

- Laboratory practical activity for the students

## **EDUCATION AND TRAINING**

[ 28/02/2013 – 26/10/2015 ]

### **Master of Science in Tropical Animal Production**

#### ***University of Khartoum***

**Address:** Khartoum, Sudan

**Thesis:** Master Thesis Title: Effect of Indirect and Direct Boiling on the Physico-chemical Properties of Camel Milk

Tropical Animal Production, Animal Nutrition, Range Management, Experimental Design, Tropical

Dairy Production, Tropical Meat Production, Animal Breeding and Genetics, Tropical Poultry

Production, Livestock Economy.

[ 23/10/2003 – 23/10/2008 ]

### **Bachelor (Honor) in animal production science and technology**

#### ***Sudan University of Science & Technology***

**Address:** Khartoum, Sudan

**Thesis:** the effect of Inmunair 17.5 in the immunity and performance of broiler chicken

General sciences subjects: Arabic, Scientific English, Religion, Chemistry, Statistics, Mathematics,

Introduction to Computer Science. Animal production Subjects: Biochemistry, Parasitology, animal

husbandry, Microbiology, Animal Health, Animal Genetics and Breeding, Physiology, Meat production

and technology, animal nutrition, biostatistics and experimental design, By-Product Technology, Rural

Extension, leather production and technology, range management and farm management.

### **Next generation sequencing solutions for transcriptomics and epigenetics research workshop**

#### ***Novogene***

Describe the subjects or topics that you learnt.

[ 07/02/2022 – 19/02/2022 ]

### **Training on statistical data analysis for post-graduate students and staff using R programming language**

#### ***RUFORUM***

[ 13/04/2021 – 10/06/2021 ]

### **Next generation sequencing bioinformatics training course**

#### ***H3ABioNet Pan Africa***



[ 09/04/2018 – 30/04/2018 ] **Molecular biology techniques in use (practical course)**

*University of Khartoum, Institute of Endemic Disease*

[ 20/08/2015 – 24/08/2015 ] **Certificate of participation in biostatistics and SPSS application**

*Animal Resources Research Corporation*

[ 25/03/2015 – 07/04/2015 ] **Introduction to molecular biology training course**

[ 07/01/2015 – 13/01/2015 ] **Training certificate in applied approach for rural extension**

*Animal Resources Research Corporation, Khartoum (Sudan)*

Focusing on increase awareness of animal owners through knowledge transfer using a technique like small group discussions and seminars.

## LANGUAGE SKILLS

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**Mother tongue(s):** Arabic

**Other language(s):**

### English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

### Italian

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

### German

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

## PUBLICATIONS

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[ 2022 ] **publication**

Letaief.N., Bedhiaf-Romdhan.S., Ben Salem.W., **Mohammed A.A.S.**, Gaspa.G. , Pauciullo.A. ( 2022). Tunisian camel casein gene characterization reveals similarities and differences with Sudanese and Nigerian populations. Journal of Dairy Science 105(8):6783-6794.

[ 2016 ] **publication**

**Mohammed A.A.S.** and El Zubier I.E.M. (2016). Effect of indirect and direct boiling on the physicochemical properties of camel milk.Journal of Veterinary Medicine and Animal Production, University of Khartoum 7(2):133-141.

## CONFERENCES AND SEMINARS

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[ 21/09/2021 – 24/09/2021 ] **24th Congress of the Animal Science Production(ASPA)** Padova, Italy.

**Mohammed A.A.S.**, Versace C., Gallo D., Gaspa G., Cosenza G., Pauciullo A. (2021). Interspersed repeated elements analysis in *Camelus dromedarius* CSN1S2 gene. Proceedings of the 24th Congress of the Animal Science Production(ASPA).



Letaief N., Bedhiaf-Romdhani S., Ben Salem W., **Mohammed A.A.S.**, Pauciullo A. Frequency assessment of casein genes variants in Tunisian dromedary (*Camelus dromedarius*) population. Proceedings of the 24th Congress of the Animal Science Production(ASPA).

[ 09/06/2021 – 10/06/2021 ] **Final Meeting of the CARAVAN Project** Online

**Mohammed A.A.S.**, Pauciullo A. (2021). SNP discovery at *LALBA* gene promoter in old and new world camelids. Proceeding of final meeting of the CARAVAN Project.

[ 30/08/2021 – 03/09/2021 ] **72nd EAAP Annual Meeting** Davos, Switzerland .

**A.A.S. Mohammed**, C. Versace, G. Gaspa and A. Pauciullo. (2021). Genetic diversity analysis at *LALBA* gene promoters in domestic camelids. Proceeding of the 72nd EAAP Annual Meeting.