



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

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

[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

[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.