

Curriculum Vitae



Personal Data

Name: Mohamed Omer Elsheikh Siddeeg

Designation: Research Assistant at University of Malaya and Assistant Professor
University of Gezira, Sudan.

Permanent Address: Building and Road research Institute P.O. Box 320, University of
Khartoum, Khartoum, Sudan. C/O Dr. Ahmed Mohamed El Sharief
TO: Mohamed Omer Elsheikh.

Present Address: To: Mohamed Omer Elsheikh Siddeeg. C/O: Associate Prof. Dr. Subha
Bhassu, Division of Genetics and Molecular Biology, Institute of
Biological Sciences, Faculty of Science, University of Malaya,
Malaysia, 60503.

Date of Birth: 1/01/1963

Nationality: Sudanese

Marital Status: Married

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Field of Interest: Genetics and Molecular Biology, Genomics, Bioinformatics, Animal
Diversity, Ornithology and zoology.

Academic Profiles

Passed VIVA for PhD of Science

Institution: University of Malaya
Department: Genetics and Molecular Biology
Date: 23.5.2016

Masters of Science:

Institution: University of Khartoum.
Faculty : Graduate College.
Date: 29.9.2001

Bachelor of Science in Agricultural Sciences

Institution: University of Gezira
Department: Faculty of Agricultural Sciences
Date: 31.12.1989
Result : CGPA 3.23, Class two – division one.

Areas of Experties

Genetics, Molecular Biotechnology, Genomics, Bioinformatics, Animal Diversity and zoology, Bioinformatics, and DNA assisted selection & Breeding of Agricultural Animals - (Terrestrial and aquatic) and aquaculture.

Professional Experiences

1. Research Assistant

Employer: University of Malaya

Year: 1st September 2009 – up

Core Responsibilities:

- DNA and RNA extraction using both kit and conventional methods.
- PCR optimization and gene isolation.
- Gel electrophoresis for gene detection.
- DNA cleaning up.
- Gene sequencing.
- Analysis of sequence results using bioinformatics software programs.
- Assisting in tutorials on population genetics course offered to undergraduate students at institute of biological science, University of Malaya (genetics).

2. Lecturer and Assistant Professor

Employer: University of Gezira

Year: 2001 – up

Core Responsibilities:

- Teaching of the following courses:
 - ✓ Principles of genetics.
 - ✓ Introduction to population genetics.
 - ✓ Introduction to quantitative genetics.
 - ✓ Animal breeding and strategies of genetic improvement.
- Research supervision under graduate projects (genetics students).
- Participation in developing Course-curriculum for B.Sc. level.
- Studying leave for obtaining Master's degree in Genetics and Molecular Biology at University of Malaya, 2009.

3. Teaching Assistant

Employer: University of Gezira

Year: 1992 – 2001

Core Responsibilities:

- Preparation of laboratory sessions and tutorials of all genetics courses offered for students of Division of Animal production, University of Gezira, 1992-1998.
- Studying leave for obtaining Master's degree in tropical animal production at University of Khartoum, 1999-2001.

Scientific Publications

1. Mohamed Omer Elsheikh, Mohd Fariduddin Bin Othman, Golam Faruq, Ihlam Ibrahim Eid & Subha Bhassu, (2015). Evaluation of Growth Performance in Cyclically Mated Populations of Malaysian Giant Prawn, *Macrobrachium rosenbergii*, in Malaysia, *Sains Malaysiana* 44 (8), 1111–1118.
2. Mohamed Omer Elsheikh, Firuza Begham Mustafa, Ihlam Ibrahim Eid, Ayucera Lutas, Subha Bhassu, (2015). COI gene sequence analysis for testing cyclical mating in securing genetic diversity of *Macrobrachium rosenbergii*, *Biochemical Systematics & Ecology* 62,178e185.
3. Mohamed Omer Elsheikh, Firuza Begham Mustafa, Ihlam Ibrahim Eid, & Subha Bhassu, (2015). The reality and challenges in farming the Malaysian giant prawn, *Macrobrachium rosenbergii*: investigations in leveraging the Malaysian industry of the Malaysian giant prawn in nurturing an indigenous niche. *International Journal of Tropical Agriculture*-ISSN: 0254-8755, Vol. 33 no. 4 (Oct-December 2015).
4. A.K. Hedayati, A. Christianus, N. Fatin, A. C. Lutas, M. Shabanimofrad, M.O. Elsheikh and B. Subha, Genetic diversity analysis in Malaysian giant prawns using expressed sequence tag microsatellite markers in a stock improvement program. *Genetics and molecular research*. Accepted in ISI Journal.
5. Weight- Length relationships in morphometric traits of *Macrobrachium rosenbergii*: First application of multiple linear regression approach to estimate fresh body weight. Submitted.

6. Application of mitochondrial DNA marker cytochrome oxidase subunit-1 (COI) in wild and hatchery population of the Malaysian freshwater prawn *Macrobrachium rosenbergii* (Decapoda: palaemonidae). Submitted.
7. Ihlam Ibrahim Eid, Mohammed Omer Elsheikh and Ibrahim A/S Yousif, Estimation of Genetic and Non-Genetic Parameters of Friesian Cattle under Hot Climate (2012). Journal of Agricultural Science, 4(4), p95. doi:10.5539/jas.v4n4p95.

Conferences (Presenter)

1. Genetic and phenotypic evaluation of growth performance in four strains of giant freshwater prawn *Macrobrachium rosenbergii* and their crosses in Malaysia. International Conference on Biological and Ecological Systems (ICBES 2012), 27-28 November 2012, Penang, Malaysia.
2. Challenges facing pond-cultured Malaysian Giant Prawn *Macrobrachium rosenbergii* Industry in Malaysia. International Conference on Innovation Challenges in Multidisciplinary Research and Practice, 13 -14 December 2013, Kuala Lumpur, Malaysia.
3. COI gene sequence analysis to test cyclical mating as means of securing genetic diversity of *Macrobrachium rosenbergii*. International Conference on Marine Biotechnology and Environment (MBE 2015), 12 June 2015, Vietnam.

Training

1. A workshop on PrimeFlowTM RNA Assay, University of Malaya, March 2016.
2. A workshop on complex samples, University of Malaya, 28 May 2014.
3. A Workshop on applied population Genetics, University of Malaya Nov.2009.
4. A seminar on Molecular Markers and Application of bioinformatics in Agricultural biotechnology, UPM 2009, Malaysia.
5. Two level courses in Molecular biology (2004). Ministry of Science and Technology, Sudan.
6. A course on Basic Molecular Biology 1997, Faculty of Veterinary Medicine, University of Khartoum, Sudan.
7. A course on Staff Development, August 2000, University of Khartoum, Faculty of Education, Sudan.

8. A course on Data Management, August 2005, Faculty of Agriculture, University of Khartoum, Sudan.

Language Proficiency

- Proficient and skilled in fluently speaking and writing Arabic (official language in Sudan).
- Skilled in speaking and writing English language (a holder of IELTS of above 6).
- Obtained 7 years formal English Language Education at school and University study period.
- English was the medium of instruction during B.Sc (Hon's), M.Sc and PhD Courses.

Computer Skills

- Operating System: With good operating skills for basic computer programs such as Word, Excel Power point etc...
- Application Software: A good level of knowledge of statistical packages such as SPSS, SAS and basic bioinformatics software programs that include: Molecular Evolutionary genetics Analysis (Mega), Chromas Lite, DNA sequence polymorphism (Dna sp), Arlequin,, TCS, Sequin of the National Centre for Biotechnology Information (NCBI) and Network software programs.
- Able to maintain customized software and all kind of software install, Uninstall, Restore and troubleshooting based on Windows Operating System.
- Browsing Internet by different kinds of browsing software and able to work under LAN Environment.

Referees

1. Dr. Subha Bhassu

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2. Prof. Ibrahim A/Salam Yousif

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