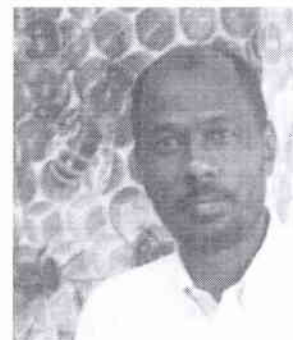


Curriculum Vitae



Personal information

First name(s) / Surname(s) **Mogbel Ahmed Abdalla El-Niweiri**
Address **Mohammad Najeeb Street, 57
6096 Khartoum (Sudan)**
Telephone(s) **00249112909643** Mobile **00249112909643**
E-mail(s) **mogbel7@hotmail.com**
Nationality **Sudanese**
Date of birth **01/01/1973**
Gender **Male**

Desired employment / Occupational field

Entomology

Dr. El-Niweiri graduated at Khartoum University in 1998 with a B.Sc. (Agric.) Honours, in Entomology. Thereafter, he obtained his M.Sc. degree in Entomology (Apiculture) at the same university in 2004. He received his Ph.D. in 2009 from Department of Zoology (Molecular Ecology), Martin-Luther-University of Halle-Wittenberg, Germany, where he became expert in microsatellite and mitochondrial DNA genotyping of honeybees and population genetic. He joined the National Centre for Research (NCR) in 2000 and has served in several positions span from research and/or teaching assistant to assistant professor in researches and academic institutions in Khartoum (2000 - 2014). Currently he is participating effectively in the basic and applied research of entomology as well as teaching in Sudanese universities. His ongoing researches includes understanding the mating and flying behaviour of bees, the roll of Forest in honey production, honeybees molecular biology and ecology, honeybees health, and biological control. He also contributed towards raising the awareness of pollinator decline in the world. During his active research career he was personally responsible for a number of key successes, including: 1) Identifying more than 35 pests and predators of honeybees 2) Discovering the parasitic mite, *Varroa destructor*, and the small hive beetle in Sudan for the first time 3) Addressing the risks of introduced honeybee species in the conservation and the biodiversity of wild, endemic honeybees populations 4) studying the genetic structure and the genetic discrimination of honeybee in Sudan and Arab world using molecular genetic tools. He received MSc fund from (NCR) in 2002 and DAAD Deutscher Akademischer Austausch Dienst Award in 2005

Work experience

Dates	1996-2000
Occupation or position held	Entomologist
Main activities and responsibilities	Control and treatment of the agriculture and public health pests
Name and address of employer	Private enterprises and Agriculture companies
Type of business or sector	Private sector
Dates	06/2000 - 04/2002
Occupation or position held	Research assistant
Main activities and responsibilities	Assist in conducting research and studies in the different fields of biological control
Name and address of employer	Biological Control Department, Environment and Natural Resources Researches Institute, National Centre for Research (NCR) Mohammad Najeeb Street, 57, 1111 Khartoum (Sudan)
Type of business or sector	Scientific research
Dates	2002 - 2004
Occupation or position held	Research assistant
Main activities and responsibilities	Assist in conducting research and studies in the different fields of honeybee research
Name and address of employer	Bee Research Unit, Environment and Natural Resources Research Institute, National Centre for Research(NCR) Mohammad Najeeb Street, 57, 11111 Khartoum (Sudan)
Type of business or sector	Scientific research
Dates	2004 - 2005
Occupation or position held	Teaching assistant
Main activities and responsibilities	Teaching practical of biological control course
Name and address of employer	Faculty of agricultural studies, Sudan University for Science and technology. Shambat, 13311 Khartoum North at Shambat (Sudan)
Type of business or sector	Higher education
Dates	2004 - 2009
Occupation or position held	Researcher
Main activities and responsibilities	Conducting research and studies in different fields of honeybee health

Name and address of employer	Bee Research Unit Environment and Natural Resources Research Institute National Centre for Research(NCR)
Type of business or sector	Mohammad Najeeb Street, 57, 11111 Khartoum (Sudan) Scientific research
Dates	2009 →
Occupation or position held	Assistant research professor
Main activities and responsibilities	Carrying out the work of research and development of beekeeping in Sudan
Name and address of employer	National Centre for Research (NCR) Mohammad Najeeb Street, 57 Elamarat, 11111 Khartoum (Sudan)
Type of business or sector	Scientific research
Dates	2009 →
Occupation or position held	Assistant professor
Main activities and responsibilities	Teaching the molecular biology of honeybees, honeybee pests and diseases and supervising research of postgraduate students
Name and address of employer	Sudan Academy of Sciences, Biological Science, New Technologies and Environment Sector Mohammad Najeeb Street, 57 Elamarat, 1111 Khartoum (Sudan)
Type of business or sector	Higher education
Education and training	
Dates	2006 - 2009
Title of qualification awarded	PhD
Principal subjects / occupational skills covered	Zoology /Molecular Ecology Thesis Title: The wild honeybees of Sudan : a test case for conservation, apiculture and invasive species Empirical research that directly contributes to debates on genetic conservation of honeybee
Name and type of organisation providing education and training	Faculty of Natural Science, Biological Sciences , Martin-Luther-University of Halle-Wittenberg Hoher Weg 4, 06099 Halle (Germany)
Level in national or international classification	ISCED 6

Dates	2002 - 2004
Title of qualification awarded	MSc
Principal subjects / occupational skills covered	Agriculture, Entomology Thesis title: Survey of the pests and diseases of honeybees in Sudan
Name and type of organisation providing education and training	Faculty of Agriculture, University of Khartoum, Sudan (Public) Shambat, 13314 Khartoum north (Sudan)
Level in national or international classification	ISCED 5
Dates	1993 - 1998
Title of qualification awarded	BSc (Honour)
Principal subjects / occupational skills covered	Agriculture, Entomology Dissertation title: Bibliography of white fly studies in Sudan
Name and type of organisation providing education and training	Faculty of Agriculture, University of Khartoum , Sudan (Public) Shambat, 13314 Khartoum north (Sudan)
Level in national or international classification	ISCED 5
Dates	1988-1992
Title of qualification awarded	Higher secondary school certificate(Grade,74.3)
Name and type of organisation providing education and training	24 El-Gorashi Higher secondary school, Sudan
Dates	1985-1988
Title of qualification awarded	General secondary school certificate (Grade, 204)
Name and type of organisation providing education and training	24 El-Gorashi General secondary school, Sudan

Training courses

- Collection and Preservation of Biological Specimens. Faculty of Science, University of Khartoum, Sudan.
- Molecular Biology, Ministry of Health, Sudan.
- Principle of Wild Life Sciences, Wild life Research Centre, Sudan.
- Molecular Ecology, Institute of Zoology, Martin Luther University, Halle, Germany.
- Educational Preparation, Staff Development Centre, University of Khartoum
- Climate Change, Advocacy, Association for Environment Conservation
- Research Project Management, Ministry of Sciences and Technology, Sudan.
- Identification of scale insects, mealy bugs, White flies and their natural enemies, Agriculture Research Center. Egypt

Personal skills and competences

Mother tongue(s)

Arabic

Other language(s)

Self-assessment

European level (*)

English

German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C 1	Proficient user	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user
A 2	Basic User	A 2	Basic User	A 2	Basic User	A 1	Basic User	B 1	Independent user

Social skills and competences	<p>Ability of communication acquired through life experience</p> <p>Good ability to adapt to multicultural environments, gained through my work experience abroad for about 4 years.</p> <p>Team spirit, improved by working in harmony with deferent research group and committees</p>
Memberships	<ul style="list-style-type: none"> • Member of Sudanese beekeeping Society • Member of Arab beekeepers Union • Member of Sudanese Agriculture Engineers Union • Member of Sudanese Association for Environment Conservation • Member of COLOSS • Member of the Society of Conservation Biology • Member of Arab society of Pant Protection
Organisational skills and competences	<p>I have strong sense of leadership (I was coordinator and leader during national military service); Highly organized; dynamic; excellent planning skills with great attention to detail and ability to prioritize work. For example I organized and implemented some beekeeping training courses in location with high potentiality of beekeeping in Sudan such as Kurmuk, Geisan, Rossieris and Baw Localities, in Blue Nile state funded by non governmental organization (e.g. World vision, African Humanitarian Action)</p> <p>Participation in the organizing of the first honeybee expiation in Sudan</p> <p>Participation in the organizing of the annually beekeeping training course held in our institution in Khartoum</p>
Technical skills and competences	<ul style="list-style-type: none"> -Microscopy, staining, culture of microorganisms (fungi//microsporidians, bacteria) -Identification of the insect pests of plants and their natural enemies -Control and treatment of the agriculture and public health pests - Collection of data, statistical analysis of data, graphical representation, design

of experiment

-Microsatellite and mitochondrial DNA , DNA extraction & purification, gel-electrophoresis, Reverse Transcriptase Polymerase Chain Reaction (RT-PCR), Real-Time quantitative PCR (rtq-PCR), Restriction Fragment Length Polymorphism (RFLP), - Seed technology (seed treatments, seed health status, seed borne microbes).

-Honey bee pathology (honey bee-pathogen interactions, pathogenesis, epidemiology, management of honey bee diseases/pests), diagnosis of microorganisms (fungi, bacteria, microsporidia)/viruses /mites

-Genetic classification of honeybee by using molecular tools (PCR, RT-PCR, rtq-PCR, RFLP).

Computer skills and competences

Competent with most Microsoft Office programmes (c.g., WINDOWS, MS WORD, MS Access, EXCEL, POWER POINT)

Community Involvement

- * Consultant to some beekeeping Companies
- *Teaching in Sudanese Universities
- *Participation in the routine training facilities for student in our Institute
- *Dissemination of beekeeping activities for poverty elevation and refugees settlement

Awards

- National Centre for Research , Ministry of Science and technology (MSc research fund)
- DAAD - Deutscher Akademischer Austausch Dienst (PhD fellowship)
- Eu-projectes BeeDOC

Publications

Peer-reviewed journals

- (1) El-Nebir M A, **El-Niweiri M A A**, Abdel Magid T D (2013) Identification of botanical origin and potential importance of vegetation types for honey production in the Sudan. *Journal of Natural Resources and Environmental Studies* 1 (2):13-18
- (2) **El-Niweiri MAA**, Shaibi T, Omer E (2013) Mitochondrial genetic analysis of the honeybee *Apis mellifera* L. (Hymenoptera, Apidae) in the Arab land. *Persian Gulf Crop Protection* 2(1): 25-34
- (3) **El-Niweiri MAA**, Moritz RFA (2011) Mating in rain? Climatic variance for polyandry in the honeybee (*Apis mellifera jemenitica*). *Population Ecology* 53:421-427
- (4) **El-Niweiri MAA**, Moritz RFA (2010) The impact of apiculture on the genetic structure of wild honeybee (*Apis mellifera*) populations in Sudan. *Insect Conservation* 115-124
- (5) Jaffé R, Dietemann V, Allsopp MH, Costa C, Crewe RM, Dall'Olio R, De la Rúa P, **El-Niweiri MAA**, Fries I, Kezic N, Meusel MS, Paxton RJ, Shaibi T, Moritz RFA (2010) Filling the gap in pollinator decline censuses: Measuring the density of honeybee (*Apis mellifera*) colonies across their natural range. *Conservation Biology* 24(2): 583 – 593
- (6) **El-Niweiri MAA**, Moritz RFA (2008) Mitochondrial discrimination of honeybees (*Apis mellifera*) of Sudan. *Apidologie* 39:566-573
- (7) **El-Niweiri MAA**, El-Sarrag MSA, Satti AA (2008) Survey of vertebrate pests and predators of honeybees (*Apis mellifera* L.) in Sudan. *Albuhuth* (12) 2: 10-21

- (8)**El-Niweiri MAA**, El-Sarrag MSA, Satti AA (2008) Survey of diseases and parasites of honeybees (*Apis mellifera* L.) in Sudan. Sudan Journal of Basic Sciences, Series B: Biological Sciences 14: 141-159
- (9)**El-Niweiri MAA**, El-Sarrag MS, Neumann P (2008) Filling the Sudan gap: the northernmost natural distribution limit of small hive beetles. Journal of Apicultural Research 47(3): 184-185
- (10)**El-Niweiri MAA**, El-Sarrag MSA (2006) Detection of the parasitic Mite (*Varroa jacobsoni*) of honeybees *Apis mellifera* in Sudan. AlbuHuth 10(1): 60-75
- (11)**El-Niweiri MAA**, El-Sarrag MSA, Satti AA (2005) Detection, distribution and incidences of insect pests and predators of honeybees (*Apis mellifera* L.) in Sudan. AlbuHuth 9 (1): 104-122

Proceedings and annual reports

- (12)Abdal Aziz S, **El-Niweiri MAA** (2013) A survey of honeybee diseases (*Nosema apis*, *Acarapis woodi* and *Varroa destructor*) in Khartoum and Sinnar states. 9th COLOSS Conference, 27-29 September 2013. Kyiv, Ukraine
- (13)**El-Niweiri MAA**, Moritz RFA (2013) The invasion of the dwarf honeybee, *Apis florea* along the river Nile in Sudan. Ann. Sci. Rep., 2012, ENRRI
- (14)**El-Niweiri MAA**, Omer E, Moritz RFA (2012) Confirmation of the fifth mitochondrial DNA lineage of the western honeybee from Sudan. 5th European conference of Apidology, 3-7th September 2012, Halle Saale, Germany
- (15)**El-Niweiri MAA** (2010) First report of *Apis florea* in Ethiopia. In Prevention of Honey Bee Colony(ed Neumann P.). 6th COLOSS

Conference, 5-6 September 2010. I.O.S.Ses Ankara, Turkey, pp 68

- (16) **El-Niweiri MAA, Satti AA (2010)** African brood diseases?? The first conference of Libyan Society for plant protection, 10-12 October 2010, Elbida, Libya
- (17) **El-Niweiri MAA, Satti AA (2010)** The chemical explanation of some traditional habits in food, medicine and agriculture practices in Sudan. 11th International chemistry Conference and Exhibition In Africa, 20-23 November 2010, Luxor, Egypt
- (18) **El-Niweiri MAA, Shaibi T, Omer E (2010)** Genetic classification of honeybees of Arab world. The first conference of Libyan Society for plant protection, 10-12 October 2010, Elbida, Libya
- (19) **El-Niweiri MAA, Satti AA (2009)** Detection of a New Threat Added to the Natural Impacts Hampering Spreading of Honeybees in Northern Sudan. The 6th Arab International Apicultural Conference, 25-28 November 2007, Abha, Saudi Arabia
- (20) **El-Niweiri MAA, Moritz RFA (2008)** The impact of beekeeping on the genetic structure of wild honeybee populations in Sudan. Third European Conference of Apidology EurBee, 10-14 Sept. 2008, Belfast, British
- (21) **El-Niweiri MAA, Satti AA (2008)** Status quo of honeybee (*Apis mellifera* L.) pests and diseases in Sudan. The 23rd International Congress of Entomology, 6 – 12 July 2008, International Convention Centre, Durban, South Africa
- (22) **El-Niweiri MAA, El-Sarrag MSA, Satti AA (2007)**. Diseases and parasites of honeybees (*Apis mellifera* L.) in Sudan. The 5th Arab

International Apicultural Conference, 25-28 November 2007, Tripoli,

Libya

- (23) **El-Niweiri MAA**, Omer E, Moritz RFA (2007) Distribution of native and non-native honey bees in Sudan. In *The Individual and the Group in the Insect Societies* (ed Kirchner W.H) Proceedings of the 20th IUSSI Conference of German speaking Section, Bochum, Germany, pp 46
- (24) Satti AA, **El-Niweiri MAA** (2007) A note on the parasites of white fly in Khartoum State. The 14th Ann. Sci. Rep., 2006, ENRRI.
- (25) **El-Niweiri MAA** , El-Sarrag MSA, Satti AA (2005) Detection, distribution and incidences of insect pests and predators of honeybees (*Apis mellifera* L.) in Sudan. The 4th Arab International Apicultural Conference, 24-27 November 2005, Damascus, Syria
- (26) **El-Niweiri MAA**.(2005)A design of simplified vail from local materials. The 16th Ann. Sci. Rep., 2004, ENRRI. in Arabic
- (27) **El-Niweiri MAA**, El-Sarrag MSA (2004) Survey of the pests and diseases of honeybees in Sudan. The second national conference of pest management in Sudan, 6-7 Desember, University of Gezira ,Madeni, Sudan

Upcoming papers

- (28) **El-Niweiri MAA**, Moritz RFA . Invasion of The Dwarf Honeybee, *Apis florea* Along The River Nile In Sudan(Conservation Genetic)
- (29) **El-Niwieri, MAA**, Moritz RFA. The global invasion potential of the dwarf honeybee, *Apis florea* (to be submitted to Apidology)
- (30) El-Nebir M A, **El-Niweiri M A A**, Mohammed S A . Palonology of honey from Sudan: It is Implication for the honey identity and misdesignation (to be submitted to Palonology)

Students supervision

- 1) Samia Osman Omer (2013) The efficiency of honeybee quarantine in preventing the introduction and spread of honeybee's pests and diseases in Sudan. M.Sc., Thesis, Sudan Academy of Sciences, Khartoum Sudan
- 2) Mohammed Ahmed El-Nebir (2013) The potentiality of beekeeping and honey production in Sudan, with special reference to forest sector. M.Sc., Thesis, Sudan Academy of Sciences, Khartoum Sudan
- 3) Sami Abdalaziz (2013) A survey of honeybee diseases (Nosema apis , Acarapis woodi and Varroa destructor) in Khartoum and Sinnar states. M.Sc., Thesis, Sudan Academy of Sciences, Khartoum, Sudan

Collaboration

TAHER SHAIBI, University of Tripoli, Libya
Moritz RFA , Institut für Biologie, Martin-Luther-Universität at Halle-
Wittenberg, Hoher Weg 4, Halle (Saale) 06120, Germany
Nezar Hadad, Honey bee Research Centre, Jordan