

Curriculum Vitae

Name

Naiema Eltayeb Gorashi Ibrahim

Place of Birth

Elhalaween (Mustafa-gorashi)

Date of Birth

16 October 1963

Nationality

Sudanese

Languages

Arabic: Mother tongue

English: Second language

Marital status

Married

Contact Info

Address: environment and natural resources research institute,
Khartoum P.O. Box 6096

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Qualifications

Post Doctorate Fellow. CV Raman Fellowship for African researchers. April to October 2012. India, Indian Agricultural Research Institute, New Delhi, Division of Entomology.

Ph.D. Agriculture 27 Dec. 2010 - University of Khartoum

M.Sc. Agriculture 24 March 1999 - University of Khartoum

B.SC. (honour) 31 Dec 1989 - University of Gezira, first class, plant protection.

Experience and Position held

- Assistant Professor from 27 December 2010. Environment and Natural Resources and Desertification Research Institute (ENDRI)- Department of Biological Control and Biological Nitrogen Fixation.
- Head Unit of Biological Control and Alternatives to Pesticides, from 2013.
- Supervisor for the unit of microbial control, department of alternative to pesticides and biological control. 2007 to 2013.
- Researcher: ENRRI, 24/3/1999 to 26 December 2010.

Researcher assistance ENRRI, 1/9/1993 to 23/3/1999

Researcher assistance: Agricultural Research Corporation, Plant pathology department.

- Teaching Experiment:

A. Elzaem-Alazahari University, Agriculture and Natural Resources College:

1. Plant, Pests and Environmental Pollution.
2. Toxicology of Insecticides
3. Pesticides and Environmental Pollution

B. Environment and Natural Resources Research Institute, Alternatives to Pesticides and Biological Control:

4. Microbial Control of Insect Pests
5. general Plant Pathology
6. Storage Fungi

Researcher assistance ENRRI, 1/9/1993 to 23/3/1999

Researcher assistance: Agricultural Research Corporation, Plant pathology department.

Training Courses Attended

- Storage and pests of stored grains, 8-17 July 1989, U. Of G. (Wad-Medani).

- Entomopathogenic Fungi. Held in Plant Protection Department. Ministry of Agriculture. Plant Protection Directorate (Sudan, Khartoum), 5-23 November 1995.
- Principals and Applications of Plant Tissue Culture Techniques. 8-2 September 2004. Held by Commission for Genetic Engineering and Sudan Institute for Natural Sciences.
- Remote Sensing and GIS Techniques 16-31 Dec. 2002. Held by Ministry of Science and Technology, Remote Sensing Authority.
- Molecular Biology, Level 1 and level 2. Held by the National Centre for Research.
- Crop diseases and pests control for developing countries. Organized by South China Agricultural University, October 10 to November 25, 2007, Guangzhou, China.
- heoretical and Practical Course: Biopesticidal proteins: from Isolation to Molecular Characterization and Application, ICGEB CourseT, Demascus. Atomic Energy Commission of Syria 4-14april 2011.
- Laboratory Management, 16th to 18th September 2013 held by the Blue Nile Institute for Communicable Diseases (BNICD) & East and South Africa Laboratory Managers Association at the University of Gezira.
- Apiculture and Honey Production Course. Organized by the Department of Honey Bee Research, Environment and Natural Resources and Desertification Research Institute, Khartoum, from 5-10 April 2014.

Papers Published in Journals:

- Infectivity of *Metarhizium flavoviride* Gams & Roszypal to the gregarious nymphs of *Schistocerca gregaria* (Forsk.) and the enhancing effect of phenylacetonitrile on mortality. Naiema E. Gorashi, Siddig M. Elhassan and Magzoub O. Bashir. 2004. U. of Khartoum J. of Agric. Sci. 12 (2). 196-208.
- Pathogenicity of different isolates of *Bacillus thuringiensis* to the larvae of the red flour beetle *Tribolium castaneum* (Herbst)

(Coleoptera: Tenebrionidae). Naiema E. Gorashi, Hamadttu, A. Elshafie, Hamid A. Hamid and Dirar H. Dirar. *Global Journal of Biodiversity Science and Management*, 3(2): 219-227, 2013. ISSN 2074-0875.

- Characterization of Sudan Strains of *Bacillus thuringiensis* pathogenic to the larvae of the House mosquito *Culex quinquefasciatus*. Naiema E. Gorashi, Hamadttu A. E. Alshafie; Hamid A. Hamid and Hamid A. Dirar. *Agriculture and Biology Journal of North America*, 2012, 3 (7): 271-279.
- Isolation and characterization of new entomopathogenic fungi from the Sudan. Abdalla Abdelrahim Satti and Naiema Eltayeb Gorashi. *IJSID*, 2013, 3 (3), 326-329.

Papers Presented in Conferences:

1. Influence of *Metarhizium flavoviride* on food consumption and daily behavior of the desert locust (*Schistocerca gregaria* Forskal) in presence and absence of the adult aggregation pheromones. 2nd National Pest management Conference in the Sudan (NPMC). 6-9 Dec. 2004. Faculty of Agricultural Sciences. University of Gezira, Sudan. Naiema E. Gorashi, Siddig M. Elhassan and Magzoub O. Bashir
2. Isolation and characterization of an entomopathogenic fungus associated with the desert locust in the Red Sea Area. The 2nd National Pest management Conference in the Sudan (NPMC). 6-9 Dec. 2004. Faculty of Agricultural Sciences. University of Gezira, Sudan. Naiema E. Gorashi, Siddig M. Elhassan and Magzoub O. Bashir
3. Potentiality of natural biocides in combating malaria-mosquitoes and *Schistosomiasis*-transmitting snails in Sudan. Abdalla A. Satti, Howida A. Hashim and Naiema E. Gorashi. *Endemic and emerging diseases: New trends in diagnosis and control*. The 8th Scientific Conference, 21-23 August 2007. Friend ship Hall-Khartoum, Sudan.
4. Pathogenicity of Sudanese strains of *Bacillus thurengiensis* to the red flour beetle *Tribolium castaneum* (Hebst) larvae Naiema E. Gorashi; Dirar H. Dirar1 and Humadttu, A. Elshafie1 10th Arab Congress of Plant Protection. Organized by Arab Society for Plant Protection & National

Council for Scientific Research, 26-30 Oct. 2009, Beirut, Lebanon.

5. Pathogenicity of Sudanese isolates of *Bacillus thuringiensis* to the greater wax moth *Galleria mellonella* L. Naiema E. Gorashi, Hamid A. Dirar. and Hamadtto A. Elshafie The first scientific conference for the Lybian Society for Plant Protection Sciences. The Lybian Society for Plant Protection Sciences in association with College of Agriculture, Omer Elmukhtar University 10-12 October 2010. Elbaida
6. Research Activities and Prominent Findings in the Field of Pesticides Alternatives in Sudan. Abdalla A. Satti and Naiema E. Gorashi. The first scientific conference for the Lybian Society for Plant Protection Sciences. The Lybian Society for Plant Protection Sciences in association with College of Agriculture, Omer Elmukhtar University 10-12 October 2010. Elbaida
7. Exotic Plant Pathogens and their Impacts on Agricultur s. 4th Development, Hail. KSA. International Conference, Agriculture and Rural 5-7 April,e in Sudan: Current Status and Future Prospect 2011. Abdalla A. Satti, Mageeda S. Elhag, and Naiema E. Gorashi.
8. Characterization of Sudanese Strains of *Bacillus thuringiensis* pathogenic to the larvae of the House mosquito *Culex quinquefasciatus*. Naiema E. Gorashi, Hamaddtu A. E. Alshafie; Hamid A. Hamid and Hamid A. Dirar. 19th Conferene of the African Association of Insect Sciences, 9-11 November, 2011. Kenya, Nairobi.
9. New detection of entomopathogenic fungi from the Sudan. XXIV International Congress of Entomology. New Era in Entomology. August 19-25, 2012. Daegu, South Korea. Abdalla Abdelrahim Satti and Naiema Eltayeb Gorashi.

Papers Published in the Environment and Natural Resources Research Institute Annual Reports:

1. The effect of Neem seed kernels and leaves extracts on the development, feeding and mortality of the Khapra beetle (*Trogoderma granarium*) larvae. 1995. Naiema E. Gorashi, Seifeldin A., Osman E. Nasr and Amna M.Fadl Elmula

2. Effect of Neem extracts on the covered Dura smut fungus *Sphaerotheca sorghi*. 2002. Naiema E. Gorashi.
3. Control of the covered Dura smut with Neem and Usher extracts. 2003. Naiema E. Gorashi, Hoyam M. Idris and Rehab E. Idris
4. Isolation and characterization of *Bacillus thuringiensis* from South Sudan soils and assessing pathogenicity to *Anopheles sp.* Larvae. 2011. Naiema Eltayeb Gorashi, Simon Ibrahim and Mohamed Yousif Mohamed

Supervisor for graduation Studies:

1. Effect of Neem seeds extracts on the germination of the Dura covered smut fungus *Sphaerotheca sorghi*. Hoyam. S. Mirghani, Hiba M. Muhdi and Hoyam Y. Adam. 2002. University of Khartoum.
2. The effect of Usher *Calotropis procera* Alit. Leaves extracts on the germination percentage of the covered kernel smut *Sphacelotheca sorghi*. Rehab E. E. Hassan. University of Sudan, College of Agricultural Studies. 2003.
3. The effect of Neem *Azadirachta indica* A. Juss seeds and leaves extracts on the germination percentage of the covered kernel smut *Sphacelotheca sorghi*. Hoyam M. I. Salim. 2003.
4. Isolation of Sudanese *Bacillus thuringiensis* from Southern Sudan soils pathogenic to the mosquito larvae. Simon Stephan Ibrahim. 2010. University of Juba.

Membership of Scientific Associations:

- African Association of Insect Scientist (AAIS).
- Arab Society for Plant Protection

GenBank (NCBI and DDBJ) Accessions number according to 16 S
rRNA nucleotides sequences of *Bacillus* spp

solate Annotation	Submitted As	Authorship	Year	Accession No.
Po-5	<i>Bacillus thuringiensis</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2012	JX391979
Om-5	<i>Bacillus thuringiensis</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2012	JX660701
St-23	<i>Bacillus thuringiensis</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2012	JX674040
Wh-5	<i>Bacillus thuringiensis</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2012	JX674041
Kh-3	<i>Paenibacillus sp.</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2012	JX674042
Om-4	<i>Paenibacillus popilliae</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2012	JX841101
Po-1	<i>Paenibacillus sp.</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2012	JX841102
Po-42	<i>Paenibacillus popilliae</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2012	JX841103
St-6	<i>Bacillus thuringiensis</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2012	JX841104
Sh-13	<i>Bacillus pumilus</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2012	JX857699
Ab-4	<i>Paenibacillus popilliae</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2012	KC107788
Wh-1	<i>Bacillus thuringiensis</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2012	KC107789
Gg-2	<i>Paenibacillus popilliae</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2012	KC107790
St-14	<i>Lysinibacillus sphaericus</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2012	KC107791
Kb-29	<i>Bacillus thuringiensis</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2013	KC201674
St-22	<i>Bacillus thuringiensis</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2013	KC201675
Sh-14	<i>Paenibacillus popilliae</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2013	KC201676
St-2	<i>Bacillus thuringiensis</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2013	KC201677
Fh-6	<i>Bacillus thuringiensis</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2013	KC201678
Ab-12	<i>Bacillus thuringiensis</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2013	KF305080
Po-2	<i>Bacillus sp.</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2013	KF305081
Po-7	<i>Bacillus sp.</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2013	KF305082
Kb-26	<i>Paenibacillus sp</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2013	KF305083
Kb-30	<i>Bacillus sp.</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2013	KF305084
Ab-8	<i>Bacillus sp.</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2013	KF305085
Sa-8	<i>Bacillus thuringiensis</i>	Gorashi,N.E., Tripathi,M., Kalia,V. and Gujar,G.T.	2013	KF305086