



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Curriculum Vitae

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Crop protection Research Centre.

Wad Medani, P.O. Box 126, SUDAN.

Place of Birth: Elbashagra (Gezira), Sudan,

Nationalities: Sudanese/Belgian.

Marital status: Married.

Independents: 6 kids plus father, mother and one sister.

Current positions

**a- Head of the crop protection council at the University of Sudan
Academy of Sciences**

b- Full Professor in Biology, Majoring Nematology and Plant pathology

**c- Director of Crop Protection Research Center in the Agricultural
Research Corporation.**

d- Editor, Sudan Journal of Agricultural Research, since 2008.

e- **Assistant Editor in Chief** of Sudan Journal of Agricultural Research, Since 2010.

Educational history

Post-doctoral In Nematology

Study included: The nematicidal effect of Sudanese and Korean medicinal plants. Taxonomy of plant parasitic nematodes and beneficial nematodes (Classical and Molecular taxonomy). The Entomopathogenic nematodes (Culture, identification and application) at Gyeongsang National University, Department of Applied Biology and Environmental Sciences. Jinju, South Korea. March, **2007- March., 2008.**

Ph.D

In Nematology, with great distinction Ghent University, Faculty of Sciences, Belgium. **August 2000.** The study was in quarantine nematodes (Diversity of *Radopholus similis*) in European Plant Protection organisation (EPPO).

Second M.Sc.

In Nematology, with Distinction University of Ghent, Faculty of Sciences, Belgium. **September 1997.**

First M.Sc.

In Technology of Crop protection (With Advanced courses in Entomology, plant pathology, Nematology and weed sciences) with great distinction, University of Newcastle Upon Tyne, Faculty of Agriculture and Environmental Sciences, UK, **October 1991.**

Higher Diploma

In crop protection from International Agricultural Centre, Wageningen, the Netherlands. ((Training was in entomology, plant pathology (Mycology,

virology, Nematology and Bacteriology) and weed sciences. **July – October 1988.**

B.Sc

In crop protection with great distinction from Gezira University Wad Medani, Sudan, **March 1984.**

Thesis

Ph.D

Titled: Diversity of *Radopholus similis* Thorne (Cobb, 1893).

Second M.Sc.

Masterr of Science in Nematology Titled: Tylenchida associated with different crops in Sennar state (Sudan).

First M. Sc.

Master of Science Titled: Biological control of Root-knot nematodes, (*Meloidogyne* spp.). Using nemtrophagous fungi *Paecilomyces lilacinus* and integrated with a nematicide.

Consultancy

I had been chosen as one of the consultant group in the Association of African Universities (AAU), through funding from USAID managed by ACE/HED, has commissioned a study to map a strategy for institutional capacity building in senior and middle level management and leadership for sub-Saharan African higher education institutions, with particular focus on eleven Africa Initiative partnership institutions. Thes tudy for a Sub-Saharan Africa Higher Education Leadership Development (SAHEL) Program has been managed and

coordinated by the AAU. Our team visited Kenya, Uganda, Ethiopia and Malawi.

Other Training

-Travelling workshop for wheat rust diseases , Turkey 10-15 June, 2012, funded by FAO and ICARDA.

-Visit to Agrobrest company factory for pesticides from 18-25 July, 2011, Izmir, Turkey.

International training courses on marine taxonomy including marine nematodes and general biological sciences, Istanbul- Turkey, **20- 23, Sept. 2010.** Izmir- Turkey **24 Sept. – 3rd Oct., 2010.**

Training workshop on Research management leadership and monitoring:

by SCARDA, (ASARECA) executed by PICO Team, held at :

- 1- Kenana Sugarcane Training Center **8 - 12. Feb. 2009.**
- 2- Khartoum, Fardous Hotel, 13 – 17 Feb. 2011.
- 3- Kenya (Nairobi) **21 – 24. March. 2011**
- 4- Khartoum, Fardous Hotel, 12-15 **Sept. 2011.**

Integrated Pest Management, Refresher course at ICIPE in Kenya, course **1-21 December 1995,** funded by The Netherlands government.

Crop protection course July - October 1988 at International Agricultural Center, The Netherlands, funded by The Netherlands government.

Vegetable and fruit diseases (Mycology, bacteriology and virology) in at University of Amman, Jordan. funded by Arab Organization for Agricultural Development. (AOAD) **1987 for 3 weeks.**

Employment Experience

8-5.-2012- upto date, Director of Crop Protection Research Center, Agricultural Research Corporation, Wad Medani, Sudan.

Janury 2010 - upto date Assistant editor in Chief of Journal of Agricultural Research.

4.1. 2011–8.5.2012 Director of Gezira Research Station, Agricultural Research Corporation, Wad Medani, Sudan.

April. 2008 – May 2012 National Coorodinator of Plant pathology programme, Crop Protection Reserach Center, Agricultural Reserach Corporation, Sudan.

March 2007-March 2008 I was doing Post-Doctoral in Gyeongsang National University, Jinju, Republic of Korea.

July 2001 - March 2007, Senior Researcher in Plant Pathology and Nematology,Gezira Research Station, Wad Medani, Sudan.

Feb. 1996- Agust 2000. I was doing My Second M.Sc. and Ph.D from Gent University, Belgium.

Jan.1992 – Dec. 1995, I established the plant pathology section in Sennar Research Station, Sennar, Sudan. The research was mainly dealt with nematodes and fungal diseases of crops e.g. Orchards crops, Cotton, Sugarcane and sorghum smuts.

1989- 1991. I was doning my first M.Sc. degree in New Castle Upon Tyne, UK.

1986-1989 Assistant research scientist in plant pathology section mainly Mycology, Nematology, Virology diseases of different crops.

1984-1986 Field inspector, Rahad Agricultural Corporation, Elfau Sudan.
(Crops: mainly Cotton, Groundnuts and Sorghum,).

1) List of Publications

A. Books

1. Chapter in the Sesame book titled: **Sesame's Protective role in crop nematode control.**

Authors: Gamal Abdalla Elbadri and Abdelmaged Mohamed Yassin

Edited by: Dorothea Bedigian

Hardback 556 pages

Published in **October 2010.**

ISBN: 978-0-8493-3538-8

Publisher: **CRC Press**

B) Papers in reviewed National and International Journals

2. Elshaekh, A. S. A. O.; Gamal, .A.A. Elbadri; O. O. Elbasher (21012).

Biological control of Banana Nematode (*Radopholus similis*, Cobb, 1893) Sudan Journal of Agricultural Research. Sudan Journal of Agricultural Research. (In Press).

3. Nigood M.Omer; **Gamal A.A. Elbadri** and Adam M.A. Gadeseed (2012). Efficacy of Plant Extracts against juveniles of *Meloidogyne javanica* (Treub, 1885). Sudan Journal of Agricultural Research. Sudan Journal of Agricultural Research. (In Press).

4. Nigood M.Omer; **Gamal A.A. Elbadri** and Adam M.A. Gadeseed (2012). Inhibition of *Meloidogyne javanica* eggs hatching with selected plant species extracts Sudan Journal of Agricultural Research. Sudan Journal of Agricultural Research. (In Press).

5. **Elbadri, G.A.A. & A.M. Yassin (2012).** Preliminary investigations into the effect of selected Plant Extracts Against *Longidorus africanus* Merny 1966 From the Gezira Locality. Journal of Faculty of Sciences, University of Khartoum. (In Press).

6. **Elbadri, G.A.A. (2011).** Genetic Diversity of the burrowing nematodes *Radopholus similis* using Random Amplified Polymorphic DNA markers. Sudan Journal of Agricultural Research. Sudan Journal of Agricultural Research. Vol. 18: 81-94.
7. **Elbadri, G.A.A. (2010).** A note on Response of some banana cultivars to five populations of *Radopholus similis*. Sudan Journal of Agricultural Research. Sudan Journal of Agricultural Research.17: 145-152.
8. Elnazeer, O. M.I.; **Elbadri, G.A.A.**; Idris, A. M.; Abu Zeid I.M and Yassin, A.M. (2010). Molecular analysis of Tomato Leaf Curl Virus (TYLCV) from different localities in Sudan. Sudan Journal of Agricultural Research. Sudan Journal of Agricultural Research .
9. Asim, F. Abusarra, Hala, M. Elamin, Sampson, E. Binyason and **G.A.A Elbadri (2010).** Breeding for high yield, pest and diseases tolerance in " Khartoumi" Okra, (*Abelmoschus esculentus*) In Sudan. Sudan Journal of Agricultural Research. Sudan Journal of Agricultural Research 16, 29-42.
10. **Elbadri, G.A.A.**; Philp, W. Marchelo; Khalid Bukhari and A.E. Elnour (2010). Plant parasitic nematodes associated with sugarcane (*Saccharum* spp.) and their density in Guneid Sugarcane Estate. University of Juba Journal of Arts and Sciences. (Accepted) Juba University Journal of Science and Art.
11. **Elbadri, G.A.A.**; Moon, I.S.; Woon, D.L. and Y.H. Choo (2010). Two New Species of *Tylenchorhynchus* Cobb, 1913 from Sudan (Nematoda: Belonolaimidae). Korean Journal of applied Entomology, 49 (1): 57-60.

12. Abdelatif, M.A., Adil, O.S., Asim, F.A., **Elbadri, G.A.A.** and Gada, H. (2009). A new dry pea (*Psium sativum*). Cultivar for central Sudan. Sudan Journal of Agricultural Research, 13:13-22.
13. **Elbadri, G.A.A.**; Moon, I.S., P. Wani, K. Bukhari, D.L. Woon and Y.H. Choo (2009). Description of *Helicotylenchus zeidani* sp. nov. a new species of nematode from Gunied Sugarcane, Sudan. Journal of Asian-Pacific of Entomology, 12: 155-157.
14. Philp, W. Marchelo; Ahmed, O. Ahmed, **Elbadri, G.A.A.** and Khalid Bukhari (2008). A note on the current status of the Culmicolous Smut *Ustilago scitameia* (H. Sydow) Disease of sugarcane in Guneid, Sennar and Assalaya Schemes. U. of K. J. of Agricultural Sciences, 16 (2): 306-312.
15. **Elbadri, G.A.A.**; Khan, Z.; Moon, Y.S.; and Y.H. Choo (2008). Descriptions of three new species of soil nematodes from Sudan. International Journal for Nematology. 18: 1- 9.
16. **Elbadri; G. A. A.**; Dong Woon Lee, Jung Chan Park, Hwang Bin Yu and Ho Yul Choo (2008). Inhibition of *Meloidogyne incognita* egg hatching by herbal extracts. Korean Journal of applied Entomology. Korean Journal of Pesticides Sciences, 12: 155-161.
17. **Elbadri; G. A. A.**; Dong Woon Lee, Jung Chan Park, Hwang Bin Yu ; Ho Yul Choo, Sang Meyeong Lee and Tae Heon Lim (2008). Nematicidal screening of Essential oils and Herbal extracts against *Bursaphylenchus xylophilus*. The Plant Pathology Journal, 24: 178-182.

18. **Elbadri; G. A. A.**; Dong Woon Lee, Jung Chan Park, and Ho Yul Choo (2009). Nematicidal efficacy of herbal powders on *Meloidogyne incognita* (Tylenchida: Meloidogynidae) on potted water melon. *Journal of Asian-Pacific Entomology*. 12, 37-39.
19. **Elbadri; G. A. A.** Dong Woon Lee, Jung Chan Park and Ho Yul Choo (2007). Evaluation of various plant extracts for their nematicidal efficacies against juveniles of *Meloidogyne incognita*. *Journal Asia-Pacific Entomology*. 11, 99-120.
20. Mohammed, E. O.; **Elbadri, G.A.A.**; Abuzeid, I.M. and Yassin, A.M. (2007). Studies on the transmission of Tomato Yellow Leaf Curl Virus (TYLCV) in Sudan using *Bemesia tabaci* and sap inoculation. *JONARIS*, 4 (1): 1-7.
21. **Elbadri, G.A.A.**, E. Geraert and M. Moens (2007). Morphological variations in the male lip region of *Radopholus similis* populations. *Sudan Agricultural, Journal*, 8: 193-195.
22. Elnazeer, O. M.I.; Abu Zeid, I.M.; **Elbadri, G.A.A.** Yassin, A.M. and Abu Salih, H.S.S. (2005). Tomato Leaf Curl Virus Diseases and their Aleyrodid Vector *Bemesia tabaci* Gen.: A Review Article. *Juba University Journal of Art and Science*, 4: 12-17.
23. Salah, B. Bakhiet and **G.A.A. Elbadri** [2004]. Effect of depth of planting on crop cycle duration and yield of banana. *InfoMusa* 13, 12-14.
- 24 . **Elbadri, G.A.A.**, P. De Ley, Waeyeneberge, L., Vierstraete, A. Vanfleteren, J. and M. Moens. (2002). Intraspecific variation in *Radopholus similis* populations assessed with RFLP and DNA

sequencing of the internal transcribed spacer region.
International Journal for Parasitology, 32: 199-205.

25. **Elbadri, G. A. A.**, D. De Waele and M. Moens (2001). Reproduction of *Radopholus similis* isolates after inoculation of carrot disks with one or more females. *Nematology*, 3 : 767-771.
26. **Elbadri, G.A.A;** W. Bert and E.Geraert (2001). Tylenchida associated with different crops in Sennar State. *Med. Fac. Landbow Univ. Gent*, 22/2b. 633-643.
27. **Elbadri, G.A.A**, E. Geraert and M. Moens (1999). Morphological differences among *Radopholus* populations (Nematoda: Tylenchida) from banana in Africa. *Journal of Nematode Morphology and Systematic* 2, 1-16.
28. **Elbadri, G.A.A**, E. Geraert and M. Moens (1999a). Morphological differences among *Radopholus similis* (Cobb, 1893) Thorne 1949, populations. *Russian Journal of Nematology* 7, 139-153.
29. **Elbadri, G.A.A**, E. Geraert and M. Moens (1998). Morphological differences among *Radopholus similis* Thorne, 1949 populations from ornamentals in Europe (Pratylenchidae:Nematoda). *Med. Fac. Landbouw, Univ. Gent*, 63/2b, 599-608.
30. Yassin, A.M. and **G.A.A. Elbadri** (1994). Effect of rotation in controlling *Fusarium oxysporium vasinfectum* in cotton Gezira scheme. *Khartoum university Journal of Agricultural Sciences*,.2, 161-164.

C). Proceedings

31. **Elbadri, G.A.A.**, Abdelgader, H. and Mobarak, H.A. (2009). Study of crop pests on sugar beet (*Beta vulgaris* L.), in New Halfa and Gezira.

Proceedings of Sugar beet first workshop, Kenana Engineering and Technical services (KETS). Khartoum, Sudan, **December, 2009**.

32. **Elbadri, G.A.A**, Zeidan, A.B. and Yassin, A.M. (2009). Review of Chemical control of Plant parasitic nematodes in Sudan. (Submitted). **Invited Paper** in the first African congress in Pesticides and Toxicology Sciences, Wad Medani, **8-11 November, 2008**. University of Gezira Sudan. (Submitted).

33. الإستراتيجية المستقبلية لمكافحة الآفات الزراعية في مشروع الجزيرة. ورشة عمل الآفات إدارة الآفات الزراعية بالمشاريع المروية. بركات قاعة الشهداء 6-7 فبراير 2007

354. **Elbadri, G.A.A**. (2005). European Frame of Rules and regulations of organic farming. Sudanese Society of ecological farming in collaboration with African network for ecological farming. Held in Ministry of Agriculture and Forests 23- **May, 2005**.

35. Yassin, A.M., Zeidan, A.B. and **Elbadri, G.A.A**. (2008). Integrated Pest management of plant parasitic nematodes in Sudan. *Proceedings of the 2nd international pest management conference in Sudan: 6-9 December, 2004*. Vol. 1: 85-100.

36. Elbadri, G.A.A. (2004). Biological control of plant parasitic nematode. 1st National workshop on Ecological Framing 24-25 Jan. 2004, Hussein Idris Conference Hall, ARC, Wad Medani, Sudan.

37. **جمال عبد الله البدرى**، صلاح محمد الطيب و نفيسة الماحي احمد (2004). أمراض المحاصيل البستانية وطرق مكافحتها. ورشة عمل تقانات المحاصيل الزراعية ولاية سنار. وزارة الزراعة والثروة الحيوانية ولاية سنار بالتعاون مع هيئة البحوث الزراعية 5 يوليو 2004.

38. صلاح محمد الطيب، **جمال عبد الله البدرى** و نفيسة الماحي احمد (2004). أمراض المحاصيل الحقلية وطرق مكافحتها. ورشة عمل تقانات المحاصيل الزراعية ولاية سنار. وزارة الزراعة والثروة الحيوانية ولاية سنار بالتعاون مع هيئة البحوث الزراعية 5 يوليو 2004.

39. Elbadri, G.A.A. and A.M. Yassin (2004). Plant Parasitic nematodes from past, present and future. 2nd conference on pest management on crops in Sudan. Gezira University, Faculty of Agricultural Sciences, **6-9 Dec. 2004.**
40. Elbadri, G.A.A.; Yassin, A.M. and E. Van Den Berg (2004). Plant parasitic nematodes associated with sugarcane and their density in Sennar locality, Sudan. 2nd conference on pest management on crops in Sudan. Gezira University, Faculty of Agricultural Sciences, **6-9 Dec. 2004.**
41. Elnazeer, O.M; **Elbadri G. A.A.**; Isam, M. E.; Yassin, A.M., and Abu Salih, H.S. (2004). A Universal Review of Research on Tomato Yellow Leaf Curl Virus (TYLCV) and Its Aleyrodid Vector Bemisia tabaci Genn. Within the Last Half Century 2nd International symposium on crop protection, University of Gezira, Sudan. **6-9 Dec, 2004.** (Submitted).
42. **Elbadri, G.A.A.**, Yassin, A.M. and Zeidan, A.B (2003). Review of plant parasitic nematodes in Sudan. 2nd International symposium on crop protection, University of Gezira, Sudan. **6-9 Dec, 2004.** (Submitted).
- 43 . Elbadri, G.A.A. and E.I. Mohamed (2003). Root knot nematodes problem on vegetable crops along the Blue Nile bank in Gezira State. First PINCET – Africa Workshop, Nematology for Africa. 21-26- Sept. 2003, IITA, Ibadan, Nigeria.
- 44 . **Elbadri, G.A.A.**, Yassin, A.M. and Zeidan, A.B (2003). Review of plant parasitic nematodes in Sudan; Nematology for Africa, First PINCNET; Africa workshop. IITA Ibadan **21 - 27 Sept. 2003.**
45. A. M. Ali; E.I. Mohamed; M.A. Ali; **G.A.A. Elbadri**; A.H. Mohamed and A.G.Babiker (2003). Prospects of Modern Biotechnology in promoting

agricultural research in Sudan. Biotechnology and life sciences workshops, 13-16 July, 2003. Conference Hall, Arab Organization for Agricultural Development. Organized by The Group for alternative Policies for Sudan (GAPS), Omdurman Ahliya University (13 July, 2003) and Agricultural Research Corporation 15-16 July 2003.

46 .Yassin, A.M. and **G.A.A. Elbadri** (1993). The impact of plant parasitic nematodes in Sudan. *Proceedings of INRA. ARC and Gezira University Phytopathology Symposium held in ARC Wad Medani, Sudan. June 1993.*

D) Participation in National and International Symposia and Workshops

47. A. E. E. Elhadi; G.A.A. Elbadri and O.O. A. Elbahir (2013). Selected Methanolic Herbal Extracts to Control Dagger Nematode (*Xiphinema basiri* Siddigi, 1959). First international of the Arab scientist, second meeting, Egypt, Sharm Elshiekh, 23-27, March, 2013.

48. Y. A.A. Aamer, **G.A.A. Elbadri** and G.A. Dafalla (2013). Non-nematicidal methods to control Root-Knot Nematodes (*Meloidogyne* spp.) in Tomato and Okra under green-house conditions. First international of the Arab scientist, second meeting, Egypt, Sharm Elshiekh, 23-27, March, 2013.

49. Eltayeb, S.M.; Ibrahim, S. and **Elbadri, G.A.A.** (2112). Incidence
Of cotton bacterial blight on Sudanese open cotton cultivars in

comparison with introduced open and *Bt* cotton cultivars. 11th meeting of inter-regional cooperative research network on cotton for the Meditterrean and Middle East regions, Turkey, Antalya, November, 05-07 21012.

50. Elbadri, G.A.A. and A.M. Mustafa (2011). *Alternaria* leaf spot of cotton under the Gezira conditions. WCRC-5. World Cotton Research Conference, 7-11.2011. Mumbai, India.

51. Elnazeer, O. M.; **Elbadri, G. A. A.**; Idris, A. M; Isam, M. E; and Yassin, A. M. (2010). Molecular Analysis of Sudan Isolates of tomato leaf curl virus, (TLCV). The International Fourth Conference on Agriculture and Rural development. Kingdom of Saudi Arabia, Hail, 5-7, 2011.

52. **Elbadri, G.A.A.**; A.S.O. Elshiekh and O.O.Elbashier (2011). Botanical control of banana nematodes (*Radopholus similis*, Cobb, 1893). The International Fourth Conference on Agriculture and Rural development. Kingdom of Saudi Arabia, Hail, 5-7, 2011.

53. Nigood M. Omer; **Elbadri, G.A.A.**; and Adam M.A. Gad Elseed (2011). Inhibition of egg hatching of *Meloidogyne javaanica* using selected plant species extracts. The International Fourth Conference on Agriculture and Rural development. Kingdom of Saudi Arabia, Hail, 5-7, 2011.

54. **Elbadri, G.A.A.**; N.M. Omer and Adam M.A. Gad Elseed (2011). Botanical extracts to control Root-knot nematodes. The International Fourth Conference on Agriculture and Rural development. Kingdom of Saudi Arabia, Hail, 5-7, 2011.

55. Adil, O.S. Abdel Rahim, Ali M. Ali; **Gamal A.A. Elbadri**; Suad A. Ahmed

and Mohamed A. Eltayeb. (2010). Tomato mutants with high Tomato Yellow leaf Curl Virus (TYLCV) disease tolerance, high yield and good fruit quality. International Horticultural Congress (IHC), Lisbon, August 2010.

56. Elnazeer, O. M.; **Elbadri, G. A. A.**; Idris, A. M; Isam, M. E; and Yassin, A. M. (2010). A Perspective of Molecular Analysis of Sudan Isolates of tomato leaf curl virus, (TLCV) from Different Localities within the Sudan. 2nd International conference on applied biotechnology (ICAB 2010). African City of Technology, Khartoum, Friendship hall 25-27 Oct. 2010.

57. جمال عبد الله البدرى، نجود محمد عمر و ادم جاد السيد (2010). . كفاءة مستخلصات نباتية مختارة على نيماتودا تعقد الجذور.
المؤتمر الأول للجمعية الليبية لعلم وقاية النباتات . كلية الزراعة بجامعة عمر المختار، ليبيا.
12-10 أكتوبر 2010.

58. **Elbadri, G.A.A.**, (2009). Host Response of banana, Citrus and Ornamental plants. To 19 *Radopholus similis* populations. The Role of Scientific Research in Agricultural Development. The 9th Scientific conference, Organised by the National Centre for Research (NCR). Friendship Hall, 22-24 December, 2009.

59. Amna, E. Elnour; **Elbadri, G.A.A.** and Elbasher, O.O.A. (2009). Control of *Xiphinema basiri*, Siddigi 1959. The Role of Scientific Research in Agricultural Development. The 9th Scientific conference, Organised by the National Centre for Research (NCR). Friendship Hall, 22-24 December, 2009.

60. **Elbadri, G.A.A.,** Younis, A. and Amna, E.E. (2009). Towards organic agriculture by controlling Root-knot nematodes using National Products. The Role of Scientific Research in Agricultural Development. The 9th Scientific conference, Organised by the National Centre for Research (NCR). Friendship Hall, **22-24 December, 2009.**
61. **Elbadri, G.A.A. (2009).** Test of four banana cultivars against five *Radopholus similis* populations. The Role of Scientific Research in Agricultural Development. The 9th Scientific conference. Organised by The National Centre for Research (NCR). Friendship Hall, **22-24 December, 2009.**
62. **Elbadri, G.A.A. and** Mustafa, A.M. (2009). Alternaria leaf cotton under Gezira Condition. The Role of Scientific Research in Agricultural Development. The 9th Scientific conference, Organised by the National Centre for Research (NCR). Friendship Hall, **22-24 December, 2009.**
63. **Elbadri, G.A.A. (2009).** Genetic diversity of the burrowing nematodes *Radopholus similis*. The Role of Scientific Research in Agricultural Development. The 9th Scientific conference, Organised by the National Centre for Research (NCR). Friendship Hall, **22-24 December, 2009.**
64. **Elbadri, G.A.A. (2009).** Molecular diversity of banana nematodes *Radopholus similis* using Random Amplified Polymorphic DNA (RAPD). International conference on applied Biotechnology-2009 (ICAB-2009). Towards High yield applied Technology. September **28-30, 2009**, Burg El Fatih Hotel, Khartoum, Sudan.
65. **Elbadri, G.A.A.;** De Ley, P.; Waeyenberge, L. and Moens, M, (2009). Molecular Biodiversity of banana nematodes *Radopholus similis*. The 9th Scientific conference. The role of scientific research in agricultural development. Under the theme "Towards agricultural Renaissance for

scientific development. Friendship hall, 22-24 December 2009. Khartoum, Sudan.

66. **Elbadri, G.A.A.**; Zeidan, A.B. and Yassin, A.M. (2008). Chemical control of plant parasitic nematodes in Sudan. The First African congress in Pesticides and Toxicology Science, Wad Medani, **8-11 November, 2008**. University of Gezira Sudan.
67. **Elbadri; G. A. A.**; Dong Woon Lee, Jung Chan Park, and Ho Yul Choo (2008). Inhibition of *Meloidogyne incognita* Eggs Hatching using Herbal Extracts. 1st Sudan-Egypt workshop, under the theme of Plant Molecular Farming: From Biodiversity to Bio industry, Khartoum, Sudan. **15-16 March, 2008**.
68. **Elbadri; G. A. A.**; Dong Woon Lee, Jung Chan Park, Hwang Bin Yu, Ho Yul Choo Sang Myeong Lee and Tae Heon Lim (2008). Screening of Essential oils and Herbal Extracts against *Bursaphylenchus xylophilus* (Nematoda: Prasaitaphelendae). 1st Sudan-Egypt workshop, under the theme of Plant Molecular Farming: From Biodiversity to Bio industry, Khartoum, Sudan. **15-16 March, 2008**.
69. **Elbadri; G. A. A.**; Dong Woon Lee, Jung Chan Park and Ho Yul Choo (2008). Management of *Meloidogyne incognita* juveniles by Herbal extracts. 1st Sudan-Egypt workshop, under the theme of Plant Molecular Farming: From Biodiversity to Bio industry. . Khartoum, Sudan. **15-16 March, 2008**.
70. Dong Woon Lee; **Elbadri, G. A. A.**; Jung Chan Park; Ho Yul Choo; Sang Meyong Lee and Sung Hwan Choi (2007). Bio-control of *Bursaphylenchus xylophilus* using essential Oils. Korean Entomological Society Symposium, Yangpyeong, S. Korea, **18 – 19, Oct., 2007**.

71. **Elbadri; G. A. A.;** Dong Woon Lee, Jung Chan Park, Hwang Bin Yu; Ho Yul Choo and Sang Meyong Lee (2007). Management of *Bursaphylenchus xylophilus* using Herbal Extracts. Korean Entomological Society Symposium, Yangpyeong, S. Korea, **18 – 19, Oct., 2007.**
72. **Elbadri; G. A. A.;** Dong Woon Lee; Jung Chan Park, Hwang Bin Yu and Ho Yul Choo (2007). Towards Organic Agriculture through controlling Root-knot Nematodes Using Herbal Powders. Korean Entomological Society Symposium, Yangpyeong, S. Korea, **18 – 19, Oct., 2007.**
73. **Elbadri; G. A. A.;** Dong Woon Lee, Jung Chan Park, Hwang Bin Yu and Ho Yul Choo (2007). Inhibition of *Meloidogyne incognita* egg hatching by Herbal extracts. Korean Entomological Society Symposium, Yangpyeong, S. Korea, **18 – 19, Oct., 2007.**
74. **Elbadri; G. A. A.** Dong Woon Lee, Jung Chan Park and Ho Yul Choo (2007). Bio control of *Meloidogyne incognita* juveniles by Plant Extracts. 40th annual meeting of the society for invertebrate pathology and first International forum on entomopathogenic nematodes and symbiotic bacteria. Quebec City – University Laval, **12 – 16, August, 2007.**
75. **Elbadri; G. A. A.;** Dong Woon Lee, Jung Chan Park and Ho Yul Choo (2007). Screening of Sudanese plant extracts for their nematicidal activity against *Meloidogyne incognita* juveniles. Korean Entomological Society Symposium, Muju, **17-18, May, 2007,** Republic of Korea.
76. **G.A.A Elbadri** and A.M. Ali (2006). Current Status of Bio safety in Sudan. 9th International Symposium on the Bio safety of genetically

modified organisms (GMO'S) and ODA (Overseas Development Assistance) workshop. **21-29 September 2006** . Jeju Island, South Korea.

77. Shama E. Dawelbiet; **Elbadri, G.A.A.** and Verloo, M. (2006). Effect of farm yard manure and nitrogen application on the yield and quality of Muskmelon (*Cucumis melo* variety F1 Hybrid). New waves of soil workshop, Gent University, ITC. **Sept. 9-13.2006**. Belgium.
78. **Elbadri; G.A.A.** and P., De Ley; L., Waeyenebeerge and M. Moens (2005). Molecular diversity of banana nematodes, *Radopholus similis*. 7th scientific conference, Molecular Biology and the Future. Friendship Hall, **13-15 December 2005**, Khartoum Sudan.
79. **Elbadri G.A.A.** (2005). Rules and Regulations of European Organic Farming. Second National workshop for organic farming. Held in the Ministry of agriculture and forestry, Khartoum **23 May 2005**.
80. **Elbadri, G.A.A.** and A.M. Yassin (2004). Plant Parasitic nematodes from Sudan, Past, Present and Future. 2nd International Symposium on crop protection, University of Gezira, Sudan, **6-9 Dec. 2004**.
81. **Elbadri, G.A.A** and E.I. Mohammed (2004). Root-knot nematodes screening for resistance to okra and tomato. 2nd International Symposium on crop protection, University of Gezira, Sudan, **6-9 Dec. 2004**.
82. **Elbadri, G.A.A.**, Yassin A.M. and E. Van Den berg (2004). Plant Parasitic nematodes associated with sugarcane and their density at Sennar locality. 2nd International Symposium on crop protection, University of Gezira, **Sudan, 6-9 Dec. 2004**.
83. **Elbadri, G.A.A.**, D. De Waele and M.Moens (2004). Host response of banana, citrus and ornamental plants against nineteen *Radopholus similis*

populations. 2nd International Symposium on crop protection, University of Gezira, Sudan, **6-9 Dec. 2004.**

84. A.M. Yassin; A.B. Ziedan and **Elbadri, G.A.A (2004)**. Management of Plant Parasitic nematodes. In Sudan (Invited paper). 2ndInternational Symposium on crop protection, University of Gezira, Sudan, **6-9 Dec. 2004.**
85. Elnazeer, O.M; **Elbadri G. A.A.**; Isam, M. E.; Yassin, A.M., and Abu Salih, H.S. (2004). A Universal Review of Research on Tomato Yellow Leaf Curl Virus (TYLCV) and Its Aleyrodid Vector Bemisia tabaci Genn. Within the Last Half Century 2nd International symposium on crop protection, University of Gezira, Sudan. **6-9 Dec, 2004.**
86. **Elbadri, G.A.A.**, Elteyeb, S.M. and N.E. Ahmed (2004). Diseases of horticultural crops. Technologies of agricultural crops in the irrigated schemes Workshop. Held at Sennar, Sennar State, Sudan **5 July, 2004.**
87. Elteyeb, S.M., **Elbadri, G.A.A.**, and N.E. Ahmed (2004). Diseases of Field crops. Technologies of agricultural crops in the irrigated schemes Workshop. Held at Sennar, Sennar State, Sudan, 5th of July, 2004.
88. **Elbadri; G.A.A., (2003)**. Biological control of plant parasitic First workshop of organic farming, held in Agricultural Research and Technology Corporation, Wad Medani, Sudan **November 2003.**
89. Ali, A.M.; E.I. Mohamed; Ali, M.A.; **Elbadri, G.A.A.**, Abdalla Elhassan and Babiker, .A.G. (2003). Prospects of modern biotechnology in promoting agricultural Research in Sudan. The Group for alternative Policies for Sudan (GAPS), Biotehcnology and life science workshop **13-16 July 2003.** Khartoum, Sudan.
90. **Elbadri; G.A.A., E. I. Mohamed (2003)**. Rootknot nematode problems on vegetables along the Blue Nile bank in the Gezira State. Nematology for

Africa, First PINCNET; Africa - workshop. IITA Ibadan, **21 - 27 Sept. 2003.**

91. **Elbadri, G.A.A.,** P. De Ley, R. Moremanns, D. De Waele and M. Moens. (2000). Biological and molecular diversity between *Radopholus similis* populations. Poster presentation 52nd symposium on crop protection held in Faculty of Agriculture and Applied Sciences University international of Ghent. **May, 2000.**
92. **Elbadri, G.A.A.;** E. Geraert and M. Moens (1999). Morphological Differences among *Radopholus* (Cobb, 1893) Thorne 1949 populations from Caribbean and East Asia Poster presentation. Belgium. In 51st international symposium on crop protection held in Faculty of Agriculture and Applied Sciences University of Ghent. **May, 1999.**
93. **Elbadri, G.A.A.,** M. Moens, R. Moremanns, D. De Waele and E. Geraert (1999). In vitro reproduction of *Radopholus similis* populations, oral presentation Belgium. In 51st symposium on crop protection held in Faculty of Agriculture and Applied Sciences University international of Ghent. **May, 1999.**
94. Waeyeneberge, L., **Elbadri, G.A.A.,** Geraert, E. and M. Moens (1998). Intraspecific variation in *Radopholus similis* using r DNA restriction fragment length polymorphism. 24th international symposium of European society of Nematologists. Held in Dundee, Scotland **4-9 August 1998.**
95. **Elbadri, G.A.A.;** Geraert, E. and Moens, M. (1998). Morphological variation in *Radopholus* Thorne, 1949 (Nematoda: Tylenchida) populations from ornamentals in Europe. Oral Presentation in 50th symposium on crop protection held in Faculty of Agriculture and Applied Sciences University international of Ghent. **May, 1998.**

96. **Elbadri, G .A .A.** and Yassin A.M. (1996). Biological control of root Knot nematodes using *Paecilomyces lilacinus*. Nematology congress held in Agricultural Research Corporation, (ARC) Wad Medani, Sudan. Organised by FAO unit at ARC. **March 1996**. Leaflet No. 27.
97. Yassin, A.M; A.B. Zeidan and **Elbadri, G .A .A.** (1996). Root Knot nematodes on horticultural and field crops in the Sudan. congress held in Agricultural Research Corporation, (ARC) Wad Medani, Sudan. Organised by FAO unit at ARC, **March, 1996**. Leaflet No. 27.
98. Yassin A.M; E. M. Elamin; A.B. Zeidan and **Elbadri, G .A .A.** (1996). Nematodes parasites. Horticultural and field crops in the Sudan. congress held in Agricultural Research Corporation, (ARC) Wad Medani, Sudan. Organised by FAO unit at ARC, March 1996. Leaflet No. 27.
99. Yassin, A.M. and **G.A.A. Elbadri** (1993). The impact of plant parasitic nematodes in Sudan. INRA and Gezira University Phytopathology conference held in ARC Wad Medani, Sudan.

3) Released Technologies in ARC

100. Abelmagid Adlan; Hyder Abdelgadir; Asrar Elgasim; Amani Eltigani; Rania Elaraki; **Gamal A. Elbadri** and Mutwakil A. Mahir (2012). Evaluation of Defender 120 FS (tebuconazole) and Imidal 600 FS (imidacloprid) for the control of cotton seedlings diseases and flea beetles. The 86th meeting of the National Pests and Diseases Committee, June, 2012. ARC, Sudan.
101. Adam, S.M.; **Elbadri, G.A.A.**; Mahir, M.A.; Oranj, B.J. and Elhag, A.E. (2010). Efficacy of Radonil 72 % WP anew formulation of (metalaxyl+ mancozeb) on the control of early blight disease on tomato. The 83^{thrd} meeting of Pests and diseases committee, **Dec. 2010**. Passed.

102. Gamiel, S.A.; Oraj, B.J.; Elhag, A.E. and **Elbadri, G.A.A.(2010)**. Evaluation of some fungicides to control powdery mildew on disease on cucumber (*Sphaerotheca fuliginea*). The 83^{thrd} meeting of Pests and diseases committee, **Dec. 2010**.
103. Gamiel, S.A.; Elhaj, A.E.; Deng, B.J. and **G.A.A Elbadri (2010)**. Evaluation of some fungicides to control powdery mildew disease in cucumber (*Sphaerotheca fuliginea*). The 82^{end} meeting of Pests and diseases committee, **June 2010**.
104. Elamin, A.Ahmed, Abdel Rahim O.S.Adil, **Elbadri, G. Abdalla**, Ail M.Ali and Eljak, A.Elamin (**2009**). A proposal for release of F1 hybrids of squash (*Cucurbita pepo* L.) Resistant to Zucchini Yellow Mosaic Virus (ZYMV) and powdery mildew. **July, 2009**.
105. Adam S. M., H. Abdelgader, **G.A.A Elbadri**, Y. S. Adam and R. M. Elarakey. (**2009**). Evaluation of the Efficacy of new formulations of Imidacloprid and Tebuconazole seed dressing to control insect pests and diseases attacking cotton. The 80th Meeting of the National Pests and Diseases Committee. Hussian Idris Hall, ARC. **June, 2009**.
106. Gamiel, S.A. Elhaj, A.E., Deng, B.J. and **G.A.A Elbadri (2009)**. Evaluation of the Efficacy of Folio Gold 537.5 SC (Metallaxyl-M+ Chlorothalonil) and Duet 72 WP (Mancozeb+ Metalaxyl) to control early blight on tomato. The 80th Meeting of the National Pests and Diseases Committee. Hussian Idris Hall, ARC. **June, 2009**.
107. Abu Sarra, A.F.; Daw-Elbiet, S.; Dahab, O.A.; Ahmed, S.H.; **Elbadri, G.A.A.** and Nour, S.M. (**2009**). Effect of "Calboro" Foliar

Fertilizer Application on tomato in the Gezira. The 46th Meeting of the National Crop Husbandry Committee. Hussein Idris Hall, ARC. **June, 2009.**

Released of varieties

108. Adil, O.S. A.; Solomon K. Celsio, Mohamed Kamal Hassan; Ibrahim D. Younis; Omer; H. Ibrahim; Kamal , A. M. Bedri; Hassan, K. Ali; Hyder, A. Mohamed; and **G.A.A. Elbadri (2012)**. A proposal for release of some sugar beet (*Beta vulgaris* var. *Saccharifrea*) hybrids and varieties for tropical conditions. Variety release committee, (Accepted).
109. Abdellatif, M.A.; Adil, O.S. A.; Asim, F.A.; **Elbadri, G.A.A.** and Gada, H. (2011). Proposal for the release of two promising dry peas (*Pisum sativum* L.) genotypes for yield, quality and tolerance to powdery mildew. (Accepted).
110. Adil, O.S. A.; Ali, M.A.; **Elbadri, G.A.A.**; Suad, A.G. and Eltayeb, M.A. (2011). Tomato varieties with high Tomato Yellow Leaf Curl Virus (TYLCV) disease tolerance, high yield and good fruit quality. (Accepted).

4) Leaflets

111. A). Root knot nematode the hidden enemy on vegetable crops (In Arabic for extensionists and farmers).
112. B). The burrowing nematode (*Radopholus similes*) the first enemy on banana (In Arabic for extensionists and farmers).

5) Deposited complete sequence

113. **Elbadri, G.A.A.**, De Ley, P.; Waeyenberge, L.; Vierstraete, A.; Moens M.; Vanfleteren, J. (2002). Intraspecific variation in *Radopholus similis* isolates assessed with restriction fragment

length polymorphism and DNA sequencing of the internal transcribed spacer region of the ribosomal RNA cistron. Published at NCBI.

114. Singh, M. K.; Mandal, B.; **Elbadri, G.A.A.** and Verma, A. (2009). Cotton Leaf Curl Gezira Virus. Viruses, ssDNA viruses; Geminiviridae; Begomovirus. Submitted to EMBL/GenBank/ DDBJ Database.
115. Singh, M. K.; Mandal, B.; **Elbadri, G.A.A.** and Verma, A. (2009). Monopartite begomoviral genome associated with tomato leaf curl disease from Sudan. Tomato Leaf Curl Sudan, Virus. (Wad Medani) Viruses, ssDNA viruses; Geminiviridae; Begomovirus. Submitted to EMBL/GenBank/ DDBJ Database.
116. Singh, M. K.; Mandal, B.; **Elbadri, G.A.A.** and Verma, A. (2009). Okra leaf curl disease associated DNA 1 from Sudan. Begomovirus – associated DNA 1-like sequences. Complete sequences. Accession FJ868830. (Submitted in 27 March 2009) Plant pathology, Indian Agricultural Research Institute. Advanced Centre for plant Virology, New Delhi.

6) Technical Reports

117. Situation of Wheat Rusts Diseases in the Gezira Scheme, Northern and Nile Estates, Sudan, in Season, 2008/2009.
118. Situation of Wheat Rusts Diseases in the Gezira Scheme, Sudan, in Season, 2009/2010.

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. تقرير عن مسح صنف المانجو تومي أتكز بولاية الجيرة 9.5.2010

120.

تقرير عن تقصى الحائق عن المبيدات المستخدمة في موسم 2010-2011 في جزء من مشروع الجزيرة.

7) Scientific Reviewer to the following Journals

- A). Sudan Journal of Agricultural Research (SJAR)
- B). Gezira Journal of Agricultural Science (GJAS)
- C). European Journal of Plant Pathology (EJPP)
- D). University of Khartoum Journal of Agricultural Sciences.

8) Teaching in Universities

- Head of crop protection council at the Sudan Academy of Science University, since May 2012.
- Member as teaching staff in the Sudan Academy of science, since 2003.
- **Part timer** lecturer in the field of Nematology to post graduates students, University of Gezira, Sudan. Since, **2002- Up date**.
- **Part time** lecturer in the field of Nematology to graduate student, University of Bakhat Elruda, Faculty of Agriculture and Natural Resources. **2006**.

9) Supervision of Post graduate students

Ph.D. thesis tilled:

1. Occurrence of root-knot nematodes in Sudan and their management by means of botanical extracts and resistant germplasm. As local supervisor in collaboration with German Supervisor through DAAD Scholarships. By Ali Mohamed Ali Mohamed (In process for **2012**).

2. Nematophagous fungi from Sudan and their potentialities in controlling Plant parasitic nematodes. Gezira University, Sudan. **Still under study.**

3. Biological, Molecular and Biochemical studies on the Behaviour of Tomato Leaf Curl virus (TLCV) Isolates from the Sudan within the host and Vector. University of **Juba, 2004**

M.Sc. thesis

Major Supervisor of M.Sc. students

1. Survey of banana nematodes in Sennar state. By Duria Abdelssalam El Tahir, Sudan University, faculty of agriculture started in **Dec. 2010.** (Under study).

2. Control of banana nematodes (*Radopholus similis*) using decomposed and Nematophagous fungi. Gezira University, Sudan. Ahmed Sid Ahmed. **2010.**

3. Control of root-knot nematodes (*Meloidogyne incognita*) on vegetables. Using herbal extracts from Sudan. Gezira University, Sudan. By Nigood Mohamed Omer **2010.**

4. Control of *Xiphinema spp.* Using Herbal extracts from Sudan. Gezira University, Sudan. By Amna Elbaghir Elnour. **2008.**



5. Biological control of root-knot nematodes (*Meloidogyne incognita*) on vegetables. Gezira University, Sudan. By Younis Adam, **2006.**

6. Reviewer for promotion of researchers in ARC.

7. Internal Examiner of M. Sc. Student Mr. Awad Mohamed Mohamed Zien. Thesis titled: Breeding for resistance of Powdery mildew on snake melon. Sudan Academic University. **2009.**

10) Membership

A) National

- 
- 12) Member of Bioversity International (On line).
 - 13) Member of Red Palm Weevil Group. (RPW group) (On line).
 - 14) Member of Science Development Net Work. (SDN) (On line).
 - 15) Member of Agricultural Biotechnology International Conf. (ABIC) (On line).
 - 16) Member of Network of Organic Farming in Africa (NECOFA). (On line).
 - 17) Member of the International Society of Horticultural Crops (ISH) (On line).
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