

## CURRICULUM VITAE

Name : Dr. Awad Khalafalla Taha  
Professor (Entomology)

### I. Personal information

Date and Place of Birth: 1947, Al Gurair, Merawi, Northern State , Sudan.

Nationality: Sudanese

Religion: Muslim

Sex: Male

Marital Status: married with 2 children (a son and a daughter)

Present Post: Professor (Entomology),

Department of Plant Protection, Faculty of Agricultural Studies-  
Shambat , Sudan University of Science and Technology

Present Address : College of Agricultural Studies – Shambat, P.O.Box, 71,  
Khartoum North, Sudan.

E-Mail : Awadk.taha@yahoo.com

Qualifications: B.Sc., (Chemistry and Entomology), Faculty of Science, Cairo  
University, 1970, with average grade " Good"

M.Sc., (Applied Entomology), Newcastle University, 1979,

Ph.D., (Entomology), Newcastle University, 1993

(Ph.D. Thesis Title : Ecology of *Aedes cantans* (Meigen) Larvae and Effects of  
*Bacillus thuringiensis var. israelensis* on Mosquito Larvae and Non-target  
Organisms. )

Specilization : Entomology

### II. Work & Professional Experience

1. Teaching Assistant : (Entomology & zoology) : College of Agricultural Studies -  
Sudan University of Science and Technology ( 1971 – 1977)

2. Lecturer : (Entomology & zoology) : College of Agricultural Studies – Sudan  
University of Science and Technology - ( From November 1976).

3. Senior Lecturer : (Entomology & zoology) : College of Agricultural Studies -  
Sudan University of Science and Technology ( From : 1979).

4. Assistant Professor : (Entomology): College of Agricultural Studies - Sudan  
University of Science and Technology (1994 – 1995).

5. Associate Professor : (Entomology): College of Agricultural Studies - Sudan  
University of Science and Technology (1996 – 2010).

6. Professor : (Entomology) College of Agricultural Studies - Sudan University of  
Science and Technology (From 2011).

### III. Teaching Experience:

### **1. At the B.Sc. Level:**

Taught the following courses at the B.Sc. level:

- 1.1 Zoology : 1<sup>st</sup> year (Plant Protection)
- 1.2 General Entomology : (1<sup>st</sup> year: Agricultural Extension & Agronomy sciences) , (2<sup>nd</sup> year :Plant Protection , Soil Sciences & Agricultural Engineering)
- 1.3 Economic Entomology (3<sup>rd</sup> year: Plant Protection)
- 1.4 Medical Entomology (5<sup>th</sup> year: Plant Protection)
- 1.5 Insect Ecology: (4<sup>th</sup> year : Plant Protection)
- 1.6 Insect Physiology: (4<sup>th</sup> year : Plant Protection)
- 1.7 Store Pests: (5<sup>th</sup> year: Plant Protection & 3<sup>rd</sup> year Food Sciences)
- 1.8 Household Insects: (2<sup>nd</sup> year: Family and Community Sciences)
- 1.9 Principles of plant pests: (3<sup>rd</sup> year: Horticultural Sciences)

In addition, there is a continuous annual supervision of "Graduate Projects" of the final B.Sc Plant Protection students.

### **2. At the M.Sc. Level;**

Taught the following courses:

- 2.1 Applied Entomology
- 2.2 Insect Ecology - Advanced
- 2.3 Medical Entomology –Advanced

### **IV. Supervision of Postgraduate Students:**

#### **1.At the M.Sc Level:**

Supervised 11 M.Sc. students during ( 2002 – 2011)

At present: supervising 5 M.Sc. students

#### **2. At the Ph.D Level :**

Main supervisor for one student :

Dr. Omer A. A. Sidahmed (2013)

Co-supervisor for 2 Ph.D students:

1. Dr. Nzar Al Sammani (Sudan University, 2007)
2. Dr. Ibrahim Alzain (Omdurman Islamic University, 2008)

At present: Main supervisor for 3 Ph.D. students & Co-supervisor for 2 Ph.D. students at Sudan University.

### **V. Rsearch Projects:**

1. Member of the research team on "**The Biological Control of Mesquite**", in the joint projects Between Faculty of Agricultural Studies-Sudan University and The Institute of Humanity-Japan (2008 – 2013).
2. Head of a research team working on "Isolation and Identification of fruit flies host-marking pheromone, and its application in control "

### **VI. Participation in the Adminstrative Work at the University:**

1. Administrative positions at the College:

a. Head, Section of Entomology & Agricultural Zoology – Department of Plant Protection (1987/1988 & 1996-2002)

b. Head, Department of Plant Protection ( 2003-2006 & 2008-2010)

**2. Membership of Committees at the University:**

College representative : Admission and Registration Committee (1996-2002)

College representative :The University Library Committee & Head, Library Committee" at the College (2000-2006)

Member of the University Senate (2003-2006 & 2008-2010 & 2013, 2014)

**VII. Participation in Academic Work inside and outside the University:**

1. Internal examiner for 9 M.Sc. students at the Department

2. External Examiner for one Ph.D student (Dongola University- 2010)

3. External Examiner for 3 M.Sc. students (Red Sea University, Omdurman Islamic University and Sudan Academy of Sciences).

4. Reviewer of 8 scientific papers in Plant Protection.

5. Scientific Evaluation of the academic qualifications of Dr. A. AbdelMagid (Animal Resources Research Corporation - Khartoum) For Promotion to Associate Professor.

6. Scientific Evaluation of the academic qualifications of Dr. Osman Al Hag Nasr, National Center For Research, For Promotion to Professorship.

6. Co-ordinator of the M.Sc. Programme in Plant Protection (2001-2004)

7. Member of the Committee for revision of the curriculum of the "Diploma of Agriculture", held at the Division of Agricultural Technicians, College of Agricultural Studies -Shambat, under supervision of FAO and Finnida (1988).

8. Member of the committee for the preparation of the " M.Sc Programme in Plant protection by Courses & Dissertation" (1999).

9. Head, Committee for the development of the B.Sc. Programme at Plant Protection Department (2008/2009)

**10. Scientific Missions & Tours:**

1. 1972: Scientific mission to East Sudan Regions (collection of scientific materials for Entomology & Agric. Zoology Section) (one month).

2. 1973: Member of a team from the College (formerly: Shambat Higher Institute of Agriculture) to carry out a questionnaire among "Shambat Institute Graduates at The Southern Region" for the development of Shambat Diploma (one month).

3. 1977: Department Staff Scientific mission to South Darfur & Jebel Marra Regions (study of pests of horticultural crops (one month)

4. 1986: Staff Development tour, Republic of Kenya (4weeks).

**11. Supervision of Students' Scientific Tours inside and outside Sudan**

Participated in the preparation and supervision of about 13 scientific tours of the College students to agricultural schemes inside and outside Sudan

**12. Participation in 'Teaching of Short Courses' held at the College:**

12.1 Plant protection Technicians Course (from Yemen Republic), 1975 (one month)

12.2 Gezera Field Inspectors Course ( First Group - 1976) (one month)

12.3 Gezera Field Inspectors Course ( Second Group - 1977) (one month)

12.4 Plant protection Inspectors Course (From Gedaref State) ( First Group – January 2001) (Two Months)

12.5 Plant protection Inspectors Course (From Gedaref State ( Second Group – March 2001) (Two Months)

**13. Participation in 'Teaching of Short Courses' held by the participation of the College:**

Participated in: " **The Sudan Productive Capacity Recovery Programme – Capacity Building Component (SPCRP – CBC), (Field: Store Pests & their control)** held during 2010/2011 in 4 States (Red Sea – River Nile – Blue Nile – South Kordofan) under supervision of FAO, Khartoum.

**14. Part- time Staff:**

Taught different courses at a number of Colleges in Khartoum, as follows:

14.1 College of Education, Khartoum University:

a. Zoology (Vertebrates) 1<sup>st</sup> year (1981/1982- 1982/1983 & 1985/1986)

b. General Entomology) 3<sup>rd</sup> year (1981/1982- 1982/1983 & 1983/1984)

14.2 College of Agriculture, Khartoum University:

a. Practical Entomology 2<sup>nd</sup> year (1981- 1985)

b. Medical Entomology 5<sup>th</sup> year (1998) , and for 3<sup>rd</sup> year + 5<sup>th</sup> year (2010)

14.3 College of Agriculture, Omdurman Islamic University: General Entomology) 2<sup>nd</sup> year (1997/1998)

14.4 College of Science, Al Nilain University:

a. General Entomology : 2<sup>nd</sup> year (2003).

b. Insect Physiology : 3<sup>rd</sup> year (2003-2006 & 2008–2011 & 2012)

c. Toxicology & Environmental Pollution : 4<sup>th</sup> year (2012 & 2013. 2014).

**15. دورات تدريبية:**

1. Curriculum Development & Instructor Training Workshop, Khartoum Polytechnic - Finnida , Faculty of Agricultural Studies-Shambat, March,1985 (2 Weeks).

2. Specialized Workshop on " Population Family life Education & Agricultural Training", , Khartoum Polytechnic - Finnida , Faculty of Agricultural Studies-Shambat, May,1985 (2 Weeks).

3. Teaching Methodology Workshop, Khartoum Polytechnic, & Wales N.E. Agricultural Institute (U.K.), Khartoum, December, 1985. (2 Weeks).
4. Staff Development Tour, Kenya, April, 1986 (4 Weeks)
5. Writing Workshop: for the production of "Draft proposal of Diploma program", Khartoum Polytechnic - Finnida, Faculty of Agricultural Studies-Shambat, August, 1986 ( One Week).
6. Writing Workshop: for " Integration of Population Education into the New Curriculum of Agricultural Technicians- Faculty of Agricultural Studies ", Khartoum Polytechnic –FAO Project, Ministry of Education, October, 1986 ( 2 Weeks).
6. Computer Science Courses: (Windows –Working & Writing Skills- 1987 - 10 Days) -
7. Short Courses on SPSS & Statistical Analysis Programs at Computer lab.- The Faculty - Jan. – Febr., 2000 ).
8. Initial Course on "Application of Instructional Technology in University Teaching" ( One Week – August 2010 )

#### **VIII. Membership:**

Member of The Union of Sudanese Agricultural Engineers.

#### **IX. Participation in Community Service Programmes:**

1. Member of the preparation and steering Committee of " Pest Control Seminar in the Second Millennium", Sudan University, College of Agricultural Studies- Arab Organization for Agricultural Development (Khartoum-Sept, 2001)
2. Member of the preparation and steering Committee of " The 3<sup>rd</sup> National Workshop on Ticks and Tick-borne diseases in sudan" (Ministry of Animal Resources, Veterinary Research Corporation, Khartoum University, Sudan University for Science and Technology) (Khartoum-August, 2003)
3. Member of the Research Team from College of Agricultural Studies and Agricultural Research Corporation on "Date palm problems in the Northern State (Sept., 2003).
4. Member of the preparation, steering and Recommendations Committees of " The Workshop on Date palm problems in the Northern State (Sudan University, College of Agricultural Studies (Khartoum-December., 2003).
5. Member of the Research Team from College of Agricultural Studies on "The Scientific co-operation between the College and Ministry of Agriculture, River Nile State" (December, 2004)

6. Member of the Research Team from College of Agricultural Studies on " Production and Pest problems of Date Palm, Merawe Governorate" (Febr., 2005)
7. Member of the Research Team from College of Agricultural Studies, Dongola University, Agricultural Research Corporation, Ministry of Agriculture, Northern State on " Problems of Production, Pests and Diseases of Date Palm in the Northern State" (Sept.- November, 2006)
8. Member of The National Committee for Fruit Fly Control (2008 – 2009)
9. Member of the preparation and steering Committee of " National Workshop for Fruit Fly Control" (Khartoum, August, 2008)
10. Member of the Research Team from College of Agricultural Studies on "Regeneration of the genetic Resources of Date Palm in the Northern State" (August, 2008).
11. Member of the preparation and steering Committee of " Seminar on: Current Status and Future prospects for Date palm Research " ( College of Agricultural studies- Shambat : December, 2012).

#### **11.Reports presented to the College and University Administration:**

1. Report of the the Research Team from College of Agricultural Studies and Agricultural Research Corporation on "Date palm problems in the Northern State (Sept., 2003).
- 2.Report of the Research Team from College of Agricultural Studies on "The Scientific co-operation between the College and Ministry of Agriculture, River Nile State" (December, 2004)
3. Report of the Research Team from College of Agricultural Studies on " Production and Pest problems of Date Palm, Merawe Governorate" (Febr., 2005)
4. Report of "The Current Situation and Future insight for Date Palm Planting in the Northern State" (2006 ) , Prepared By : Tag elsir Ibrahim, Awad Khalafalla Taha, Amin Hussain Ibrahim and Hag Hamad Abdel Aziz, 85 pp.

#### **X. Scientific Publications:**

##### **A. Scientific Papers:**

1. **Awad K. Taha**, G.R. Port, A.G.Young & G.G.Howling. (1995). A Defined Area Sampler for Mosquito Larvae. Entomologist's Monthly Magazine, Vol. 131 :253-257.
2. Omer A.A.Sidahmed, **Awad K. Taha**; Mardi, H. G. and Idris, T.I.M. (2009). The efficiency of spraying date palm trees with Argel (*Solenostemma argel* Del Hayne ) for the control of the white scale insect (*Parlatora blanchardii*

Targ) (Homoptera, Diaspididae). Sudan University Journal of science and technology, 10 (1): 142-149.

3. Omer A.A.Sidahmed, Khalid O.A M. Eldoush and **Awad K. Taha**. (2009). A Note on the Effect of Aqueous filterates of Argel plant parts (*Solenostemma argel* Del Hayne ) n the mortality of cotton soil termite (*Microtermes thoracalis* Sjost.) (Isoptera: Termitidae). U.of K. J. Agric. Sci., 17(3): 413-418.

4. أحمد على اسماعيل, عوض خلف الله طه (2001). مفصليات الارجل الناقله للأمراض فى السودان اهميتها الاقتصادية ومكافحتها. - سمنار ادارة الأفات فى الالفية الثانية الخرطوم, سبتمبر 2001  
84 - 118ص

5. A.M. El Hussein, A.A.Ismail, **A.K. Taha**, M.A. Fadul and M.M. Salih, (2003) . Some Tick-borne Zoonotic and Reckettsial diseases in Africa. (Proceedings of the 3<sup>rd</sup> National Workshop on Ticks and Tick-borne Diseases in Sudan, Khartoum 18-20 August 2008). Sudan J. of V. Sci and Anim. Husb., Vol.42 (1, 2): 181-190.

6. Ahmed H. Mohammed and **Awad K. Taha**, (2008). Pheromones, Para-pheromones and Food Lures in Fruit fly Management. Proceedings of: the National Project for the Control of Fruit fly in Sudan: Workshop, 27-28 August, 2008 Khartoum, Sudan. 6pp.

7. Fiha M. Hag eltyeb, **Awad K. Taha**, H. G. Mardi and Omer A. A. Sidahmed. (2009). Water Extracts of Hargel Plant (*Solenostemma argel*, Del Hyne) and Usher (*Calotropis procera* Ait) leaves as Natural Insecticides Against Mosquito larvae. Sudan University Journal of Science and Technology , V. 10 (3) : 59-67

8. El Harith H. B. Mohammed and **Awad K. Taha**. (2009). Effect of Leaves Powder and Aqueous Extract of Periwinkle ( *Vinca rosea* L.) and Hargal (*Solenostemma argel*, Del Hyne) on the Adults of The Faba bean Beetle *Bruchidius incarnatus* (Boh.) (Coleoptea : Bruchidae ). Sudan University Journal of Science and Technology , V. 10 (3) : 116-125 .

9. Omer A.A.Sidahmed, Khalid O.A M. Eldoush , **Awad K. Taha**, Badr Eldeen M. Mohammed Ahmed, Hatim G. Mardi and Huda E. Osman. (2010). Lethal effects of some plant aquous filterates against cotton soil termite ( *Microtermes thoracalis*, Sjost) (Isoptera : Termitidae ). Sudan University Journal of Science and Technology , V. 11 (2) : 174-186.

10. Omer A.A.Sidahmed, Mohamed M. Khider and **Awad K. Taha**. (2010). A Note on the incidence of *Bacillus thuringiensis* in Fruit Fly Larvae in the Sudan. U.of K. J. Agric. Sci., 18(2): 268 – 275.

11. **Awad K. Taha** , Khalid O.A.M. Eldouush and Omer A. A. Sidahmed (2010). Evaluation of aqueous and powder preparations of (*Solenostemma argel*, Del Hyne) and Usher (*Calotropis procera* Ait) against the green pit scale insect, (*Asterolicanium phoenicis* Rao.) ( Homoptera : Asterolicaniidae ) infesting date palm. Sudan University Journal of Science and Technology , V. 12 (4) : 34 - 40.
12. Omer A.A.Sidahmed, **Awad K. Taha**; Gasim A. Hassan and Mohamed A.M. Elhag. (2011). Seasonal abundance of the invasive fruit fly *Bacterocera invadens* Drew, and influence of temperature in some mango orchards in Sudan.  
ورقة قبلت في "المؤتمر الدولي الرابع للزراعة والتنمية الريفية" , الرياض , ابريل 2011 .
13. Omer A.A.Sidahmed, Izabela Swicicka and **Awad K. Taha** . (2011). Isolation of *Bacillus subtilis* / *amyloliquefaciens* and *Bacillus sphaericus* from fruit fly larvae in the Sudan .  
ورقة قبلت في "المؤتمر الدولي الرابع للزراعة والتنمية الريفية" , الرياض , ابريل 2011 .
14. Tagelsir I.M. Idris, Asma M.A. Ibrahim, Elfatih M. Mahdi and **Awad K. Taha**. (2011). Influence of Argel (*Solenostemma argel* Del Hayne ) soil applications on flowering and yield of date palm ( *Phoenix dactylifera* L.) :  
AGRICULTURAL AND BIOLOGY JOURNAL OF NORTH AMERICA, Vol. 2 (3): 538 – 542.
15. Omer A.A.Sidahmed, **Awad K. Taha** and Gasim A. Hassan. (2011) . Effect of Soil Type and Moisture on some Biological Aspects of *Bacterocera invadens* .  
Paper Accepted as "Poster" forP: Tropentag 2011, Berlin, Germany, October, 2011 .
16. **Awad K. Taha** and Port, G.R. (2011). The effects of two commercial microbial pesticides (Bt – H14) on British Mosquito larvae And Associated Organisms, And the Possibility of their use in Sudan. Sudan University Journal of Science and Technology , V. 12 (2) : 38 – 44.
17. Huda Elfatih Osman<sup>1</sup>, **Awad Khalafalla Taha**<sup>1</sup> and Omer A.A.Sidahmed<sup>2</sup>. (2011). Larvicidal Effects of Three Plant Ethanolic Extracts against *Culex quenquifasciatus* SAY larvae (Diptera: Culicidae). U.of K. J. Agric. Sci., 19(3): 355 – 363.
18. Khalid O.A.M. Eldouush, **Awad K.Taha**, Tag Elsir I.M. Idris, Omer A.A. Sidahmed, Fakhr Eldeen A. Musa and Hatim G. Mardi. (2011). Application of plant based extracts for the control of the Green pit Scale insect ( *Asterolicanium phoenicis* Rao.) on date palm. Emir. J. Food Agric., 23 (5): 387 – 396.

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19. Awad K. Taha, Khalid O. A. M. Eldoash, Tagelsir I. M. Idris and O. A. A. Sidahmed. (2012). ARGEL (*Solenostemma argel* Del. Hayenne) Application for Control of the Date Palm Green Pit scale Insect (*Asterolicanium phoenicis* Rao) And Yield inhancement. ARPN Journal of Agricultural and Biological Science VOL. 7 (6) : 380 – 385.
20. Ayman M. E Rajab And Awad K. Taha (2014). Evaluation of some plants extracts against khapra beetle *Trogoderma granarium* Everts. (Dermestidae: Coleoptera). The 3<sup>rd</sup> Conference on Pest Management in Sudan. ARC, WadMedani, Sudan, Feb., 2014
21. Omer A,A, Sidahmed, I. Abdalla, A.H. Allagabo and Awad K. Taha (2014). Farmer's knowledge about fruit flies problem and their control in guava and mango orchards in three States in Sudan. The 3<sup>rd</sup> Conference on Pest Management in Sudan. ARC, WadMedani, Sudan, Feb., 2014
22. Omer A,A, Sidahmed, Awad K. Taha and Gasim A. Hassa. (2014). Seasonal abundance of the fruit fly *Bacterocera invadens* (Diptera : Tephritidae) in mango and guava orchards in Three States in Sudan. The 3<sup>rd</sup> Conference on Pest Management in Sudan. ARC, WadMedani, Sudan, Feb., 2014.


## **B, Books**

1. S.M. Hassan, A.M. El Hussein, A.I. Abdel Rahim, A.M. Osman, A.A.Ismail, Awad Khalafalla and D.A.Salih, (2003) (Editors). Proceedings of the 3<sup>rd</sup> National Workshop on Ticks and Tick-borne diseases in Sudan, Khartoum, 18-20 August 2008. Sudan J. of Vet. Science and Anim. Husb., Vol. 42 (1, 2), 397 pp.
2. علم الحشرات العام العملى ( تمت أجازته بواسطة محكمين خلال عام 2013 - حالياً : تحت الاجازة من لجنة التأليف والنشر بجامعة السودان للعلوم والتكنولوجيا خلال الفترة القادمة )
3. أنجاز علمى : حائز (مع اثنين من الأساتذة بجامعة السودان والمركز القومى للبحوث) على براءة اختراع (برقم 3036م/ 2012) : استخدام أوراق وفروع وسيقان نبات الحرجل كمحفز نمو النباتات ورفع الانتاجية الزراعية ومبيد عضوى للآفات وبعض الامراض الضارة للنباتات

## **XI. Participation in : Seminars, Conferences & Workshops:**

### **(By Attendance & Presentation of Scientific papers in some of them)**

1. Workshop on (Storage and preservation of Food Grains), Ministry of Agriculture & Natural Resources, Khartoum, 1987.
  2. Symposium on "The Role of Scientific Research on Integrated Biological Control of Desert Locust" - University of Juba. Khartoum, Oct. 1995.
  3. ICIPE (Nairobi) - Ministry of Agriculture & Forestry (MOAF) Sudan "Workshop for Scientific Co-operation", Khartoum, Dec. 1997.
  4. Agricultural Extension & Voluntary Organizations Workshop, Faculty of Agricultural Studies , Shambat. Dec. 1998.
  5. "Quality Control Seminar", Faculty of Agricultural Studies & Arab Org. for Agric. Development, Khartoum Aug., 2000.
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