

## CURRICULUM VITAE



A. General and personal information					
<b>1. Full name</b>	<b>Adil Hassan Ahmed Abdelmageed</b>			<b>2. Gender</b>	Male
<b>3. Country, city and date of birth</b>	Sudan, Khartoum, January 1967	<b>4. Nationality</b>		Sudanese	
<b>5. Title:</b>	Associate Professor				
<b>6. Marital status (spouse, child and their ages)</b>	Married with three kids (11, 8 and 2 years)	<b>7. Complete legal address</b>		Department of Horticulture, Faculty of Agriculture , University of Khartoum 13314 Shambat P.O. Box 32 Khartoum North Sudan	
<b>8. Telephones (private, professional, mobile)</b>	<b>9. Fax and emails</b>				
Mobile: +249911307764 +249125728150	Fax: +249 1 85318919  E-mails: <a href="mailto:adil.hassan@uofk.edu">adil.hassan@uofk.edu</a> <a href="mailto:adil.hassan@hotmail.com">adil.hassan@hotmail.com</a>				
10. Languages (Indicate level of fluency)					
Language	Poor	Moderate	Good	Very good	Excellent
Arabic (Mother Tongue Language)					√
English*				√	
German**		√			

\*English – Language of instruction, research and publication

\*\*Attend German language course at Goethe Institute, Göttingen, Germany, during 06.08.01-27.09.01. (Deutsch: 'Intensiv 8' Grundstufe I, with Teilnahme-Bestätigung).

B. University education				
Degrees obtained	Year of Award	University of Deliverance	Country	Summary of dissertation, supervisor name
Ph. D. (Agriculture, Horticulture)	2006	Humboldt University of Berlin, (Germany)/ University of Khartoum, (Sudan)	Germany/ Sudan	Thesis title: Responses of different tomato ( <i>Lycopersicon esculentum</i> Mill) genotypes to heat stress. Sponsored by the German Academic Exchange Service (DAAD) and under supervision of Prof. Bernd Geyer (Humboldt University of Berlin, Germany) and Prof. Gaafar M. Elhassan (University of Khartoum, Sudan)
M. Sc. (Agric.)	2000	University of Khartoum	Sudan	Thesis title: Inheritance studies of some economic characters in okra ( <i>Abelmoschus esculentus</i> (L). Moench). Sponsored by the German Academic Exchange Service (DAAD).
B. Sc. (Agric.) Honour Class Two - Division One.	1992	University of Khartoum	Sudan	Majoring Horticulture

C. Scientific career					
Organization	Title/ or function	Period of employment	Employer	City and country of employer	Activities
Department of Horticulture, Faculty of Agriculture	Associate Professor	10/01/ 2013 - Till now	University of Khartoum	Khartoum, Sudan	Teaching classes at undergraduate and post-graduate levels, conducting research and provide service to community.
Department of Horticulture, Faculty of Agriculture	Assistant Professor	11/9/2006 – 9/01/2013	University of Khartoum	Khartoum, Sudan	Teaching classes at undergraduate and post-graduate levels, conducting research and provide service to community.
Institute of Bioscience, Universiti Putra Malaysia	Post-doctoral Fellow Researcher	25/6/2009 - 2/9/2012 (3 years)	Research Management Center	Serdang, Malaysia	Plant Tissue Culture and essential oils investigation of some indigenous species

Department of Horticulture, Faculty of Agriculture	Lecturer	17/2/2005 - 10/09/ 2006	University of Khartoum	Khartoum, Sudan	Teaching classes at undergraduate levels, conducting research and provide service to community.
Department of Horticulture, Faculty of Agriculture	Teaching Assistant	18/3/1995 – 16/2/2005	University of Khartoum	Khartoum, Sudan	Teaching practical classes at undergraduate levels.
Parastatal tissue culture laboratory	Research Assistant and Tissue Culturist	01/01/1993 - 17/3/1995 (16 Months)	Parastatal tissue culture laboratory	Khartoum, Sudan.	Media and explants preparation, culturing and sub-culturing of explants and supervision of laboratory work.

#### D. Research funding

Role	Grant value	Fund duration	Funding organization	Project Title
Co-investigator as Post-doctoral Fellow Researcher	90.000 RM (30,000 US\$)	2007-2009	Research University Grant Scheme (RUGS), Malaysia	Micropropagation of novel aromatic indigenous plants
Co- principal investigator as Post-doctoral Fellow Researcher	300.000 RM (100,000 US\$)	Jun. 2009 - Dec. 2012	Fundamental Research Grant Scheme (FRGS), Malaysia	Development of microsatellite markers and conservation genetics of the endangered Paphiopedilum barbatum in Peninsular Malaysia

#### E. Teaching career

Courses titles	Numbers of contact hours	Course period	Number of students
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<b>At Undergraduate (B.Sc. Students)</b>			
1.Systematics of horticultural crops	3	15 weeks	25
2. Breeding of Horticultural Crops.	3	15 weeks	25
3.Nursery Production and Management	2	15 weeks	82
4. Medicinal plants	3	15 weeks	32
5. Aromatic and spices plants	3	15 weeks	32
6.Technologies of vegetable crop Production	3	15 weeks	92
7. Practical Training	4	15 weeks	32
8. Graduation project (supervision)	2	15 weeks	4
9. Seminar (supervision)	1	15 weeks	4
<b>At post-graduate level (M.Sc. Students)</b>	<b>Numbers of contact hours</b>	<b>Course period</b>	<b>Number of students</b>
1.Medicinal and Aromatic Plants	3	15 weeks	22
2. Advanced Physiology of Vegetable Crops	3	15 weeks	22
B.Sc. Students	. I act as the main supervisor for the below mentioned B.Sc. Students for their Graduation Projects		
<b>Undergraduate final year project</b>	<b>Graduation year</b>		
1-Ahmed Elfatih	2013		
2-Elgeili Yassin	2013		
3-Mustafa Osman	2013		
4- Elsayed Mohamed	2014		
5- Amonia Mohamed	2014		
6- Amani Balla	2014		
7- Nema Khalifa	2014		
<b>Supervision of graduate thesis</b>	I act as the main supervisor for the below mentioned MSc Students		

M.Sc. Students names		Status of the student		
1- Rayan Adnan Eltayeb		At experiment conduction stage		
2- Fadwa Mohammed Abdallla		At experiment conduction stage		
3- Shaza Bakri Hassan		At experiment conduction stage		
4- Ayman Ahmed Fagir		At experiment conduction stage		
5- Hadeel Abdelgadir		At experiment conduction stage		
I act as the main supervisor for the below mentioned Ph.D. Student				
Sumaya Elsheikh Mohammed Elsheikh		Waiting for the approval of her proposal by the Faculty Research Board		
I act as the co-supervisor for the below mentioned Ph.D. Student				
Mohamed Eltoum Aburiziga		His proposal already approved by the Faculty Research Board		
I act as the internal examiner for 6 M. Sc. Students at the University of Khartoum				
G. Other scholarly contributions				
1- Reviewer in the Following Journals: a- European Journal of Horticultural Science b- Scientia Horticulturae c- Experimental and Environmental Botany d-International Journal of Vegetable Science e-Experimental Agriculture 2. Panel examiner for the student seminar proposal SPS55903 & SPS6903, Instiute of Bioscience held on 21/4/2011, Universiti Putra Malaysia, Malaysia. 3. Assist in the supervision of two M.Sc. students in the field of tissue culture and essential oils, Universiti Putra Malaysia, Malaysia. 4. Assist in the writing of a proposal entitled: Micropropagation of <i>Alpinia conchigera</i> Griff. (Zingiberaceae) and identification of the bioactive compounds of its essential Oil. Submitted to Research University Grant Scheme (RUGS), Research Management Center, Universiti Putra Malaysia, Malaysia>				
- Prizes and Awards				
Name of awards	Title	Award Authority	Award Type	Year
Academic Award	The best final year student in Horticulture Option in the Faculty of	Sudan Agricultural Bank, Sudan	Sudan Agricultural Bank prize	1992

	Agriculture, University of Khartoum,			
<b>Academic Award</b>	German Academic Exchange Service (DAAD) Scholarship	German Academic Exchange Service (DAAD), Germany	For M.Sc. Study	1998-1999
<b>Academic Award</b>	German Academic Exchange Service (DAAD) Scholarship	German Academic Exchange Service (DAAD), Germany	For Ph.D. Study	2001-2005
<b>Academic Award</b>	Post-doctoral Fellow	Universiti Putra Malaysia, Malaysia	For Post-doc studies	25/6/2009- 2/9/2012

#### **Membership to associations**

Status	Association/ Society	Town//Country	Date
Member	Sudanese Agricultural Council	Khartoum	1992
Member	Sudanese Agricultural Engineers Union	Khartoum	1992
Member	Sudanese Horticultural Society	Khartoum	1992
Member	Sudanese Horticulture Science Society	Khartoum	2006

#### **- Other activities**

##### **I am quite familiar with the following techniques:**

- Computer software (Microsoft Windows, Word, Excel, Power point, SPSS, SAS)
- Grafting techniques
- Tissue culture techniques
- .Hydrodistillation apparatus (Clevenger-type)
- Spectrophotometer
- Gas Chromatography - Mass Spectroscopy using .Shimadzu GC-MS (Model GC-17A)
- Portable pulse amplitude modulated fluorometer (PAM 2000, Heinz Walz GmbH, Effeltrich, Germany)
- Digital Conductivity Meter, GMH Model 3410, Greisinger Electronic, Germany).
- Hygrothennographs (Beltbrt Instrument, Baltimore, MD).
- An electronic leaf area meter, type LI-COR Model 3100 (Lincoln, NE-USA)
- a portable leaf chamber compact CO<sub>2</sub>/H<sub>2</sub>O porometer (CQP 130, WALZ Mess- und Regeltechnik, Effeltrich, Germany)

### **I. Administrative responsabilités**

<b>Date</b>	<b>Position</b>
July 2000- July 2001.	1- Member of the Examinations Committee, Faculty of Agriculture, University of Khartoum
Nov. 2012 till now	2- Head of the committee responsible of the practical training course for Final Year Students, Faculty of Agriculture, University of Khartoum

### **J. Research interest**

- Protected cultivation of vegetable crops
- Heat stress physiology of vegetable crops
- Heat stress in tomato (summer production in Sudan).
- Improvement of some local vegetable crops like okra by breeding
- Micropropagation of some medicinal plants
- Studies on the antioxidant and antimicrobial activities of some medicinal plants.

### **L. Referees**

- 1- Prof. Dr. Faridah Qamaruz Zaman, Department of Biology, Faculty of Science, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor, Malaysia.  
E-mail: [faridahqz@gmail.com](mailto:faridahqz@gmail.com), [fqz@putra.upm.edu.my](mailto:fqz@putra.upm.edu.my)
- 2-- PD Dr. Habil. N. Gruda, Institute of Horticultural Science, Humboldt University of Berlin, Germany.  
E-mail: [nazim.gruda@rz.hu-berlin.de](mailto:nazim.gruda@rz.hu-berlin.de) or [ngruda@web.de](mailto:ngruda@web.de)
- 3- Prof. Dr. Abu-Bakr Ali Abu-Goukh, Department of Horticulture, University of Khartoum, Sudan.  
E-mail: [aabugoukh@yahoo.com](mailto:aabugoukh@yahoo.com)
- 4- Prof. Dr. Mustafa M.A. El-Balla, Department of Horticulture, University of Khartoum, Sudan.  
E-mail: [melballa@yahoo.com](mailto:melballa@yahoo.com)

## Publication:-

- 1) **A.H.A. Abdelmageed** and Gruda N. (2007). Influence of heat shock pretreatment on growth and development of tomatoes under controlled heat stress conditions. *Journal of Applied Botany & Food Quality* 81: 26-28. [Impact Factor:0.588] SCOPUS ISI Indexed Journal
- 2) **A.H.A. Abdelmageed** and Gruda N. (2009). Influence of grafting on some growth, development and physiological parameters of tomatoes under controlled heat stress conditions. *European Journal of Horticultural Science* 74 (1): 16-20. [Impact Factor:0.367] SCOPUS ISI Indexed Journal
- 3) **A.H.A. Abdelmageed** and Gruda N. (2009) Influence of high temperatures on gas exchange rate and growth of eight tomato cultivars under controlled heat stress conditions. *European Journal of Horticultural Science* 74 (4): 152-159. [Impact Factor:0.367] SCOPUS ISI Indexed Journal
- 4) **A.H.A. Abdelmageed** Gruda N., and El- Balla, M.M.A. (2009). Performance of different tomato genotypes in the arid tropics of the Sudan during summer season I. Vegetative growth. *Journal of Agriculture and Rural Development in the Tropics and Subtropics* 110 (2): 137-145. [Impact Factor:0.346] SCOPUS ISI Indexed Journal
- 5) **A.H.A. Abdelmageed**. and Gruda N. (2009). Performance of different tomato genotypes in the arid tropics of the Sudan during summer season I. Generative development. *Journal of Agriculture and Rural Development in the Tropics and Subtropics* 110 (2): 147-154. [Impact Factor:0.346] SCOPUS ISI Indexed Journal
- 6) **A.H.A. Abdelmageed**. (2010). Mode of inheritance of pod spininess in okra (*Abelmoschus esculentus* (L.) Moench). *Tropical and Subtropical Agroecosystems* (2): 405 - 409.
- 7) **A.H.A. Abdelmageed**. (2010). Inheritance studies of some economic characters in okra (*Abelmoschus esculentus* (L.) Moench). *Tropical and Subtropical Agroecosystems* (2): 619 - 627.
- 8) Siddig Ibrahim Abdelwahab, Faridah Qamaruz Zaman, Abdalbasit Adam Mariod, Muhammad Yaacob, **Adil Hassan Ahmed Abdelmageed** and Shamsul Khamis (2010). Chemical composition, antioxidant and antibacterial properties of the essential oils of *Etlingera elatior* and *Cinnamomum pubescens* Kochummen. *Journal of the Science of Food and Agriculture* 90: 2682–2688. [Impact Factor:1.360] SCOPUS ISI Indexed Journal
- 9) Faridah, Q.Z, **A.H.A. Abdelmageed**, Nor Hazirah, A.N., and Muhamad Yaacob (2010). Comparative study of essential oil composition of leaves and rhizomes of *Alpinia conchigera* Griff at different post-harvest air drying periods. *Journal of medicinal plants Research* 4(24): 2700-2705. [Impact Factor:0.879] SCOPUS ISI Indexed Journal
- 10) **A.H.A. Abdelmageed**., Faridah Q.Z, Nur Amalina, A., Muhamad Yaacob (2011). The influence of organ and post-harvest drying period on yield and chemical composition of the essential oils of *Etlingera elatior* (Zingiberaceae). *Journal of medicinal plants Research* 5(15): 3432-3439. SCOPUS
- 11) **A.H.A. Abdelmageed**., Faridah, Q.Z., Norhana, F.M.A., Julia, A.A., Kadir, M. A. (2011).



Micropropagation of *Eltingera elatior* by using axillary bud explants. *Journal of medicinal plants Research* 5(18): 4465-4469. SCOPUS

12) Faridah Q Z, **A.H.A. Abdelmageed**, Julia AA, Nor Hafizah R (2011). Efficient *in vitro* regeneration of *Zingiber zerumbet* Smith (a valuable medicinal plant) plantlets from rhizome bud explants. *African Journal of Biotechnology* 10(46): 9303-9308. SCOPUS

13) Raihana R., Faridah Q. Z., Julia A. A., **A. H. A. Abdelmageed** and Mihdzar Abdul Kadir (2011).. *In vitro* culture of *Curcuma mangga* from rhizome bud. *Journal of Medicinal Plants Research* 5(28): 6418-6422. SCOPUS ISI Indexed Journal

14) Ismail Adam Arbab, Ahmad Bustamam Abdul, Mohamed Aspollah, Rasedee Abdullah, Siddig Ibrahim Abdelwahab, Syam Mohan and **A. H. A. Abdelmageed** (2011). *Clausena excavata* Burm. f. (Rutaceae): A review of its traditional uses, pharmacological and phytochemical properties. *Journal of Medicinal Plants Research* 5(33): 7177-7184. SCOPUS

15) Faridah QZ, **A.H.A. Abdelmageed**, Nor Shuhada K, Julia AA. (2012). Callus induction and plant regeneration of *Michelia champaca* (Magnoliaceae): A multipurpose tree. *Journal of Medicinal Plants Research* 6(17): 3338-3344. SCOPUS

16) **A.H.A. Abdelmageed**, Faridah QZ and G.M. El Hassan (2012): Inheritance studies of some pod traits in okra (*Abelmoschus esculentus* (L.) Moench). *Journal of medicinal plants Research*. 6(49): 5905-5911. SCOPUS

17) M.M.A. El Balla, Abdelbagi A. Hamid, **A.H.A. Abdelmageed** (2013). Effects of time of water stress on flowering, seed yield and seed quality of common onion (*Allium cepa* L.) under the arid tropical conditions of Sudan. *Agricultural Water Management Journal* (121) 149– 157. [Impact Factor:2.333] SCOPUS ISI Indexed Journal.

18) Abdelwahab, S.I., Abdalbasit Adam Mariod, Manal Mohamed Elhassan Taha , Faridah Qamaruz Zaman, **Adil Hassan Ahmed Abdelmageed** , Shamsul Khamis , Yasodha Sivasothy , Khalijah Awang (2014). Chemical composition and antioxidant properties of the essential oil of *Cinnamomum altissimum* Kosterm. (Lauraceae). *Arabian Journal of Chemistry* (In press).  
<http://dx.doi.org/10.1016/j.arabjc.2014.02.001>[Impact Factor: 2.684] SCOPUS ISI Indexed Journal.

#### - Papers published in proceedings

19) **A.H.A. Abdelmageed**., Gruda, N., and Geyer, B., (2003). Effect of high temperature on tomato (*Lycopersicon esculentum* Mill.) genotypes under controlled conditions. International Conference on Tropical and Subtropical Agricultural Research for Development (Deutscher Tropentag (DTT)). Full paper online: <http://www.tropentag.de/2003/abstracts/full/50.pdf>

20) **A.H.A. Abdelmageed**., Gruda, N. and Geyer, B., (2004). Effects of high temperature and grafting on the growth and development of tomato plants under controlled conditions. International Conference on Tropical and Subtropical Agricultural Research for Development (Deutscher Tropentag (DTT)). Full paper online: <http://www.tropentag.de/2004/abstracts/full/106.pdf>

21) **Adil Hassan Ahmed Abdelmageed**, Faridah Qamaruz Zaman, Julia Abdul Aziz, Nor Hafizah

Roslan (2011). *In vitro* micropropagation of *Zingiber zerumbet* Smith using rhizome bud. Accepted as oral presentation for Fundamental Science Congress 2011, Faculty of Science, UPM

**- Abstracts published in conferences**

22) **A.H.A. Abdelmageed.**, Gruda, N., and Geyer, B., (2003). Effect of high temperature on tomato (*Lycopersicon esculentum* Mill.) genotypes under controlled conditions. International Conference on Tropical and Subtropical Agricultural Research for Development (Deutscher Tropentag (DTT)). In Wolly et al. (Eds.) Book of Abstract, 94

23) **A.H.A. Abdelmageed.**, Gruda, N. and Geyer, B., (2004). Effects of high temperature and grafting on the growth and development of tomato plants under controlled conditions. International Conference on Tropical and Subtropical Agricultural Research for Development (Deutscher Tropentag (DTT)). In Peters, K.J. et al. (Eds.) Book of Abstract, 189

24) **A.H.A. Abdelmageed.**, Gruda, N., Geyer, B., and El Hassan, G.M. (2004). Response of different tomato genotypes under summer weather conditions in the arid tropics of the Sudan. Annual Scientific Conference of the German Society for Horticultural Science (DGG) in Vienna, Austria; BHGL- Tagungsband 22, 135.

25) **A.H.A. Abdelmageed.**, Gruda, N., Geyer, B., and El Hassan, G.M. (2005). Influence of *Bacillus subtilis* FZB24 on the growth and development of tomatoes during summer in the arid tropics. Annual Scientific Conference of the German Society for Horticultural Science (DGG) in Freising-Weihenstephan, Germany, BHGL- Tagungsband 24, 50.

26) **A.H.A. Abdelmageed.** and Gruda, N., (2005). Impact of high temperature on the growth and development of tomato during summer in the arid tropics. Poster presented at the International Conference on Tropical and Subtropical Agricultural Research for Development (Deutscher Tropentag (DTT)), Hohenheim, Germany, October.

**- Papers presented at conferences**

27) **Adil Hassan Ahmed Abdelmageed**, Faridah Qamaruz Zaman, Julia Abdul Aziz, Nor Hafizah Roslan (2011). *In vitro* micropropagation of *Zingiber zerumbet* Smith using rhizome bud. Accepted as oral presentation for Fundamental Science Congress 2011, Faculty of Science, UPM

**- Posters presented at conferences**

28) **A.H.A. Abdelmageed.**, Gruda, N., and Geyer, B., (2003). Effect of high temperature on tomato (*Lycopersicon esculentum* Mill.) genotypes under controlled conditions. International Conference on Tropical and Subtropical Agricultural Research for Development (Deutscher Tropentag (DTT)).

29) **A.H.A. Abdelmageed.**, Gruda, N. and Geyer, B., (2004). Effects of high temperature and grafting on the growth and development of tomato plants under controlled conditions. International Conference on Tropical and Subtropical Agricultural Research for Development (Deutscher Tropentag (DTT)).

30) **A.H.A. Abdelmageed.**, Gruda, N., Geyer, B., and El Hassan, G.M. (2004). Response of different tomato genotypes under summer weather conditions in the arid tropics of the Sudan. Annual Scientific Conference of the German Society for Horticultural Science (DGG) in Vienna, Austria.

31) **A.H.A. Abdelmageed.**, Gruda, N., Geyer, B., and El Hassan, G.M. (2005). Influence of *Bacillus*

*subtilis* FZB24 on the growth and development of tomatoes during summer in the arid tropics. Annual Scientific Conference of the German Society for Horticultural Science (DGG) in Freising-Weihenstephan, Germany.

32) Deanne, R., Faridah, Q.Z., **A.H.A. Abdelmageed**, Midhzar, A.K., Julia, A.A. (2011). Micropropagation of *Curcuma longa* L. through In vitro culture of rhizome bud explants. PP-C30. International conference on natural products (ICNP2011) 14-16 November 2011, Palm Garden Hotel, IOI Resort Putrajaya, Malaysia, p 156.

33) Raihana, R., Faridah, Q.Z., Julia, A.A., **A.H.A. Abdelmageed**, Midhzar, A.K., (2011). In Vitro culture of *Curcuma mangga* from rhizome bud PP-C11. International conference on natural products (ICNP2011) 14-16 November 2011, Palm Garden Hotel, IOI Resort Putrajaya, Malaysia, p 145-146.

#### **Presentations**

34) Presented public lecture on "Effectiveness of different approaches to improve heat tolerance of tomato" on 24/12/2010 at public lecture series of the Institute of Bioscience, Universiti Putra Malaysia, Malaysia.

#### **- Seminars Presented**

35) A.H.A. Abdelmageed. (2004). "Evaluation of some tomato genotypes (*Lycopersicon esculentum* Mill.) under summer weather conditions in the arid tropics of Sudan". Seminar presented under the framework of Ph.D. students Seminars at the Institute of Horticultural Science, Humboldt University of Berlin.

36) A.H.A. Abdelmageed. (2003). "Response of some tomato genotypes (*Lycopersicon esculentum* Mill.) to heat stress". Seminar presented under the framework of Ph.D. student's seminar at the Institute of Horticultural Science, Humboldt University of Berlin.