

# Mapping Report

## University of Gezira

Dated: 30.10.2010

### *Names of the Water & Sanitation group*

1. Professor Nabil Hamid Hasan Bashir, Faculty of Agriculture
2. Professor Ali Babiker Ali Habour, Faculty of Medicine
3. Professor Ahmed A. Mohamedani, Faculty of Medicine
4. Professor Ali Mohamed Adeeb, Institute for Irrigation & Water Management
5. Professor Samira Hamid Abdelrahman, Blue Nile National Institute for Communicable Diseases –University of Gezira
6. Dr. Abdelilah Mohamed Elhasan, Faculty of Public Health & Environmental Sciences
7. Dr. Mohamed Hamza, Faculty of Agriculture
8. Dr. Ibtisam Mohamed Elbashir, Gezira State Ministry of Health
9. Dr. Amir Sidahmed, Gezira State Ministry of Health
10. Eng. Abdilbagi Noureldaim, Water Corporation - Gezira State

Introductory note by the Water and Sanitation group at the university: Gezira (*e.g. on when formed, number of meetings held, etc.*)

The W&S group in Gezira University was formed in June 2008, with representatives from the following related faculties: medicine, agriculture, medical laboratory sciences, public health & environmental sciences, Water management & Irrigation Institute in addition to the Gezira state Ministry of Health and Water Corporation.

The group held around 6 meetings that discussed the different work packages, PhD students, feedback from the university focal person about SNOWS meetings in London, Ghana and Kenya, planning for the needs assessment exercise in GU.

## **1. Research Management**

### **1.1. Organisation**

- Organization of research is as follows:
  1. It starts at the department level where students applications (including proposals) are discussed and approved by the department members and a panel of experts (in some departments only). Supervisors are suggested at this level
  2. Students' applications and proposals from different departments are submitted to the faculty postgraduate department, where they are discussed and approved by the faculty postgraduate committee (headed by the dean and composed of head departments and senior professors).
  3. Approved students' applications (including proposals) from different faculties are forwarded to the Deanship of postgraduate studies, where they are discussed and

- approved by the postgraduate committee (a sub senate committee, headed by the Dean of postgraduate Studies and composed of faculty representatives).
4. Postgraduate programmes at all levels (master & PhD) are either by courses & desertation (for partial fulfillment) or by research only.
  5. Completed research is evaluated by an examination committee nominated by the concerned department and approved by the Deanship of Postgraduate Sties. The committee is composed of the main supervisor (chairperson),an external examiner , internal examiner (from a related departent/faculty). The final result will be approved by the faculty postgraduate committee, then forwarded to the Postgraduate Deanship to be approved by the sub-senate committee and finally by the university senate.
  6. Three (3) copies and a C.D of each approved thesis will be handed to the Postgraduate Deanship. Two additional copies will be provided to the department.

*Describe how the financial management of externally funded research programmes is organised at your institution (relevant to e.g. a next phase of SNOWS). ]*

- Funds will be deposited at the university account
- A member of the accounts department will be appointed for financial management of the project.
- Cheques will be signed by the PI and head of Accounts department
- Periodic financial reports are submitted according to guidelines of funders
- Audit will be done according to university & funders regulations

*Describe by which means your university maintains and develops research management capacity (e.g. research management courses offered to staff)*

Regular training on reseach methodology (including proposal writing) is provided in all postgraduate training programmes (courses & desertaion).Duration of such training is variable (1-3 weeks) between different prgrammes.  
No specialized training n research management is provided; PIs usually manage all aspects of their research projects.

#### **a. Resources for SNOWS**

*[Describe the group you have mobilised for SNOWS, i.e. the SNOWS action group and resource persons (this group corresponds to the names you have included in the new template for SNOWS action group and resource persons- Annex 2-A).*

The group includes experts on: Water management, water microbiology, water chemistry, epidemiology, environmental siences, ecology, water engineering, sanitation, medicine, child health

*You should qualify this description with an overview of current research projects of relevance to SNOWS (Annex 2-B).*

1. Pollutants found in sugar industry effluents
2. Wastewater of tanneries
3. Heavy metals in the urine of males, females and children of the Gezira state

\*\* A number of postgraduate students' research are also of relevance to SNOWS

*Note the number of peer reviewed publications of relevance to SNOWS produced by the SNOWS action group 2005-10 (include the full list in Annex 2-C)*

- A Study of the Use and Impacts of Life Straw in settlement (camp) in Southern Gezira, Sudan (2007 – 2008)
- Qualitative and Quantitative Domestic Water Supply, Modelling Management of Domestic Water Corporation (2006 – 2010)

*Describe whether the SNOWS action group and research persons have access to external resources complementary to those provided through the SNOWS project and which could be pooled towards common action/mutual benefits.*

- WHO, TDR
- Several African networks in toxicology, pesticides, Entomology, chemistry, Environment & pollution.: GEF/STAP Roster, ANCAP, SEANC, ICC, AAIS, E-SALAMA; SULAMA, Sudan Crop Protection Society, SETAC Africa

*Provide information on sentinel sites which the SNOWS action group and resource persons use/have access to.]*

- Water treatment stations
- Sentinel sites for research on pesticides
- Local communities (for socio-behavioural research)
- Health facilities
- Field sites for research on sanitation
- Sentinel sites used by Agricultural Corporation
- Sentinel sites used by disease control programmes (at Ministry of Health)

## **7. PhD Programme**

### **a. Organisation**

*[Describe how the PhD programme is organised at your university.*

- This follows the steps in item no.6
- The candidates apply either as private students or are nominated by other institutes (e.g. universities, Ministry of Health.... etc.

*If there is NO formal structure, e.g. no PhD programme but you actually have PhD students, then explain the informal set-up for enrolling and supporting PhDs at your university, and*

*give priority to describing areas which the Water and Sanitation group at your university identifies as potential SNOWS action for enhancing the PhD organisation.*

- Not applicable

*If the PhD programme is formalised describe the overall organisation briefly. Give priority to explaining those areas in more detail that the Water and Sanitation Group at your university identifies as areas that may be addressed by SNOWS action, e.g. revising policies; PhD rules & regulations; fundraising; monitoring & evaluation etc.*

- Areas to be addressed by SNOWS include all the above , in addition to training of PhD supervisors, capacity building on research management, fund raising and seeking international cooperation

*As a minimum the description should provide information on the requirements for PhDs to complete their doctorate degree. (If this information is available in an updated PhD handbook/rules and regulations document you may refer to this document but then remember to attach it to the report or provide direct URL.]*

- PhD handbook is available ; will be forwarded later.

#### **b. Training & Research environment / infrastructure**

*[Describe your research environment for PhD students. This description should include whether there are any taught courses for PhD students and whether such courses are mandatory or not. The description should also include information on your framework for providing quality supervision, access to research infrastructure including labs, IT, libraries and other support infrastructure for PhDs.*

- No mandatory courses are offered to PhD students, as they are only by research.
- Recently a PhD programme by courses & desertation is approved and will start soon.
- PhD students usually have 2 – 3 supervisors, approved according to regulations and postgraduate guidelines.
- Labs in different faculties and institutes are available for PhD students
- Departmental and faculty libraries (traditional & electronic) and computer labs are as well available

*Describe by which means your university maintains and develops research supervisory skills, tutorial skills etc (e.g. PhD supervisor courses offered to staff).*

- No such courses are available

*Provide detailed description of those areas your Water and Sanitation group may wish to develop through SNOWS action.*

- Capacity building of staff on:
  1. Research management

2. PhD supervision
3. Proposal development

- High tech specialized labs
- Upgrading IT
- International relations and Joint supervision to PhD students

## **8. Masters Programme**

*[This part should only be described if your university does not have PhD programmes. And would only cover the research part of the Masters programme, i.e. the thesis/dissertation part and research methodology courses of the Masters degree]*

*Describe the requirements for the Master thesis/dissertation. The description should also include information on research methodology courses and your framework for providing quality supervision, access to research infrastructure including labs, IT, libraries and other support infrastructure for Masters during their theses work.*

### **Annexes**

Annex 1	SNOWS action group and resource persons
Annex 2-A	SNOWS-relevant research projects
Annex 2-B	Peer reviewed publications relevant to SNOWS
Annex 3	List of Core Documents
Annex 4	CV – scientific staff profile
Annex 5	CV – PhD student profile

### Annex 1. SNOWS action group and resource persons

Name	Position* Affiliation** Contact details	Main interest in SNOWS	Relevant research (key words)	CV attached y/n		
<b>Category 1 – Individuals interested in SNOWS activities and with current relevant research activities</b>						
	- SNOWS Team members	-Water quality, water supply & waste management systems, technology for water supply & environmental sanitation,	- water harvesting , safety/quality	n		
<b>Category 2 – Individuals with interest in actively engaging in SNOWS, can add value, but have no current research activities</b>						
	-Staff in relevant programmes at Ministry of Health	- Low cost technology for safe water supply, domestic & clinical waste disposal & excreta disposal	n.a	n		
<b>Category 3 – Resource persons - Individuals doing relevant research but not currently actively engaging in SNOWS</b>						
	-Staff of Agricultural Research Corporation -Veterinary Research Corporation	n.a	????????????????	n.a		
<b>Category 4 – External stakeholders &amp; resource persons for SNOWS</b>						
	-Ministry of Health -UN organizations e.g. WHO, UNICEF... etc -Water Corporation -Ministry of Agriculture -Gezira & Rahad Agricultural Schemes	-Water quality, water supply & waste management systems, technology for water supply & environmental sanitation,		n		

	-Ministry of irrigation -Peasant's Trade Union -Legislative Assembly Gezira State					
<b>Category 5 – Other resource persons relevant to SNOWS that can enable and support achievement of SNOWS objectives</b>						
	-Leaders of some NGOs e.g.Bilharzia control Society -local Community Leaders & CBOs -University Staff in relevant faculties - Civil Society Organizations			n.a		

## Annex 2-A

SNOWS-relevant research projects  
University of XXX

The list includes larger research projects initiated, implemented or terminated in the period 2005-2010

<b>Project responsible party / Principal Investigator</b>	<b>Funding (USD)</b>	<b>External (yes: X)</b>	<b>Project title</b>	<b>Start year – end year</b>
Dr. SalwaElsanousi	< 10000	yes	A Study of the Use and Impacts of Life Straw in settlement (camp) in Southern Gezira, Sudan	2007 - 2008
M.Sc. and Ph.D. Theses	20000	All	Qualitative and Quantitative Domestic Water Supply, Modelling Management of Domestic Water Corporation	2006-2010
Add more rows to the table if needed				
<b>Total</b>				

""", IWA 2009, Journal of Water and Health,07.3/2009.



## Annex 3

### **List of Core Documents**

#### **- Mapping of Research Capacity African Partners of SNOWS**

1. Regulations of Postgraduate Studies , Gezira University  
Deanship of Postgraduate Studies, Gezira University (2005)

**University of XXX**  
**CV - Scientific Staff Profile**

Name	<b>Ahmed Abdalla Mohamedani</b>	
Department	pathology	
Working address	Department of pathology ,Faculty of Medicine, University of Gezira,P.O.Box 20,Medani-Sudan	
Contact details	Email, main:a_mohamedani@hotmail.com Email, secondary:amohamedani@gmail.com	Skype:
	Phone (office):+249-511-846561	Phone (Cell):+249912320190
Formal education	MBBS,DCP(London),FRCPath.(UK)	
Current position	Professor of pathology	
Research area and expertise of relevance for SNOWS (max 5 lines)	Water Quality Water Borne diseases	
Current research project(s) relevant to SNOWS	1. [Title of research project], [Responsibility in team] 2. [Title of research project], [Responsibility in team] ..add more if needed..	
Courses at Post Graduate level, relevant to SNOWS	1. [Name of course], [Responsibility in course]Endemic diseases,parasitic,bacterial & viral diseases.Taught in an integrated fashion for master students. 2. [Name of course], [Responsibility in course]MD Clinical Pathology (General path.,Microbiology.Haematology & Chemical path. ..add more if needed..	
Courses and seminars at Doctorate level relevant to SNOWS	1. [Name of course], [Responsibility in course] 2. [Name of course], [Responsibility in course] ..add more if needed..	
Other courses of relevance to SNOWS		
Number of Post Graduate students tutored at present	17	
Number of PhDs supervised at present	4	
Number of PhD fellows supervised that are/were not enrolled at own department (last 5 years)	Number:  Enrolled at : 1: 2: ..	
Scientific Production	Number of peer-reviewed articles in international scientific journals:28	
	Number of conference abstracts published in conference proceedings:5	
	No. of articles in national journals:14	
Distinctions	Major reports:	
	1.Prize for the best preliminary U of khartoum 2.Prize DCP (London RPMS)	

List max. 10 selected articles related to SNOWS	<ol style="list-style-type: none"> <li>1. <i>Ahmed A. Abdel-Hameed, A.-G. M. Ahmed, M.K. Elturabi, Ahmed, <b><u>A A Mohamedani</u></b>, and M.E.M.A. Magzoub- An outbreak of dracunculiasis in central Sudan- <i>Annals of Tropical Medicine &amp; Parasitology</i>, Vol. <b>87</b>, No. 6, 571-577 ( 1993 ).</i></li> <li>2. T. E. Taha , R. H. Gray and <b><u>Ahmed, A A Mohamedani</u></b> Malaria &amp; low birth weight in central Sudan- <i>American Journal of Epidemiology</i>- Vol. <b>138</b>, No.5, 318-325</li> <li>3. S.H. A/Rahman, <b><u>A A Mohamedani</u></b>,E.M. Mirgani &amp; A.M. Ibrahim- Gender Aspects &amp; Women Participation In The Control &amp; Management Of Malaria In Central Sudan- <i>Soc. Sci. Med.</i> Vol. <b>42</b>, No.10, pp. 1433- 1446 , 1995.</li> <li>4. A.H. Atta Elmula,B. Y.M.Nur,M.A.Taha,<b><u>A.A. Mohamedani</u></b> &amp; O.K.: Saeed Prevalence of Hepatitis C Virus (HCV) Antibodies in Patients with Schistosomiasis - <i>Gezira Journal of Health Sciences</i> Dec.2007 <b>Vol.3</b> No. 2</li> <li>5. S.Elsanosi,,S.H.Abdelrahman,I.Elsheik,M.Elhadi,<b><u>A.Mohamedani</u></b>,A.Hbour,S. Elamin,A.Elnoury,Elhadi Ahmed and Paul R. Hunter: A study of the use and impact of the Lifestraw™ in a settlement camp in southern Gezira, Sudan- <i>Journal of Water and Health</i>(2009)</li> </ol>
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Name	<b>Samira Hamid Abdelrahman</b>	
Department	Community Medicine	
Working address	BlueNileNationalInstitutefor Communicable Diseases,P.O. Box 101, Wadmedani Sudan	
Contact details	Email, main: samhamid2002@yahoo.co.uk	Skype:
	Email, secondary: Phone (office): 00249511846183	Phone (Cell): 00249912680990
Formal education	Sudan Medical Specializations Board	
Current position	Dean, Blue Nile National Institute for Communicable Diseases	
Research area and expertise of relevance for SNOWS (max 5 lines)	<ul style="list-style-type: none"> <li>- Epidemiology of vectors &amp; vector borne diseases</li> <li>- Control of communicable diseases</li> <li>- Socio-behavioural aspects of health</li> </ul>	
Current research project(s) relevant to SNOWS	<ol style="list-style-type: none"> <li>1. [Title of research project], [Responsibility in team]</li> <li>2. [Title of research project], [Responsibility in team]</li> </ol> <p style="text-align: center;">..add more if needed..</p>	
Courses at Post Graduate level, relevant to SNOWS	<ol style="list-style-type: none"> <li>1. [Diploma/M.Sc. /Ph.D. Medical Entomology &amp; Vector Control], [BNNICD]</li> <li>2. [Diploma/M.Sc. /Ph.D. Integrated Control of communicable diseases], [BNNICD]</li> <li>3. [Short Courses: Malaria Epidemiology] [BNNICD]</li> </ol>	
Courses and seminars at Doctorate level relevant to SNOWS	<ol style="list-style-type: none"> <li>3. [Name of course], [Responsibility in course]</li> <li>4. [Name of course], [Responsibility in course]</li> </ol> <p style="text-align: center;">..add more if needed..</p>	
Other courses of relevance to SNOWS		
Number of Post Graduate students tutored at present	-	
Number of PhDs supervised at present	-	
Number of PhD fellows supervised that are/were not enrolled at own department (last 5 years)	<p style="text-align: center;">Number: 3</p> <p style="text-align: center;">Enrolled at :</p> <ol style="list-style-type: none"> <li>1: Sudan Medical Specialization Board (SMSB)</li> <li>2: Primary hHealth Care &amp; Health EducationCenter</li> </ol> <p style="text-align: center;">..</p>	
Scientific Production	Number of peer-reviewed articles in international scientific journals: 3	

	Number of conference abstracts published in conference proceedings: >5
	No. of articles in national journals: >10
	Major reports:
Distinctions	
List max. 10 selected articles related to SNOWS	* "A Study of the Use and Impacts of Life Straw in settlement (camp) in Southern Gezira, Sudan", IWA 2009, Journal of Water and Health,07.3/2009.

**University of GEZIRA**  
**CV - Scientific Staff Profile**

Name	<b>MOHAMMED HAMZA H ZEINELABDIN HAMZA</b>	
Department	CROP PROTECTION	
Working address	FAC. OF AGRIC. SCIENCES UNIVERSITY OF GEZIRA	
Contact details	Email, main: tanzeel1999@yahoo.com	Skype:
	Email, secondary: Phone (office):	Phone (Cell): +249 122297367
Formal education	UNIVERSITY OF 4C DAVIS CALIFORNIA USA	
Current position	ASSOCIAT PROFESSOR	
Research area and expertise of relevance for SNOWS (max 5 lines)	USE OF NATURAL PRODUCTS AS AN ENVIRONMENTAL FRIENDLY ALTERNATIVE TO INSECTICIDES	
Current research project(s) relevant to SNOWS	1. [Title of research project], [Responsibility in team] 2. [Title of research project], [Responsibility in team] ..add more if needed..	
Courses at Post Graduate level, relevant to SNOWS	4. ECOLOGY 5. POPULATION DYNAMICS	
Courses and seminars at Doctorate level relevant to SNOWS	5. Ph.D. PROGRAMMS ARE ONLY RESEARCH ORIENTED	
Other courses of relevance to SNOWS	N. A.	
Number of Post Graduate students tutored at present	6	
Number of PhDs supervised at present	4	
Number of PhD fellows supervised that are/were not enrolled at own department (last 5 years)	Number: 10 Enrolled at : 1: DEPARTMENT OF PESTICIDES AND TOXICOLOGY 2: AGRIC. RESEARCH CORPORATION 3: CENTER OF BIOTECHNOLOGY	
Scientific Production	Number of peer-reviewed articles in international scientific journals: 2	
	Number of conference abstracts published in conference proceedings: 6	

	No. of articles in national journals: 4
	Major reports: -
<b>Distinctions</b>	
List max. 10 selected articles related to SNOWS	1- NATURAL PRODUCTS AS ALTERNATIVE S TO INSECTICIDES 2- ENV. IMPACT ASSESSMENT 3- WATER ORGANIC AND INORGANIC POLLUTION 4- NATURAL RESOURES MANAGMNT

<b>Name</b>	<b>Prof. Nabil H.H. Bashir</b>	
<b>Department:</b>	<b>Pesticides &amp; Toxicology</b>	
<b>Working address</b>	P.O. Box 20 Wad Medani, Sudan	
<b>Contact details: Nesheishieba Camp, building 2, Faculty of Agric. Sciences</b>	Email, main: <a href="mailto:bashirnabil@hotmail.com">bashirnabil@hotmail.com</a>	Skype:
	Email, secondary: <a href="mailto:bashirnabil@yahoo.com">bashirnabil@yahoo.com</a>	Phone (Cell): +249 918223569
	Phone (office): none	
<b>Formal education</b>	Ph.D. ( U of Arizona, USA, 1982): Insect Physiology & Toxicology as Major	
<b>Current position</b>	Professor & Coordinator for the Graduate program of the department	
<b>Research area and expertise of relevance for SNOWS (max 5 lines)</b>	Toxicology; Water pollution with heavy metals, pesticides, polychlorinated biphenyls, polyaromatic hydrocarbons, POPs, persistent toxic substances; residue analysis	
<b>Current research project(s) relevant to SNOWS</b>	1. pollutants found in sugar industry effluents, [Main advisor] 2. Wastewater of tanneries, [Main advisor] 3. heavy metals in the urine of males, females and children of the Gezira state, (main advisor)	
<b>Courses at Post Graduate level, relevant to SNOWS</b>	I teach the following relevant courses: 1. Research methodology 2. Analytical Chemistry & Separation techniques 3. Pesticides Chemistry & use 4. Toxicology of Insecticides 5. General Toxicology 6. Systemic Toxicology 7. Applications of Toxicology 8. Enzymology 9. Human Physiology	
<b>Courses and seminars at Doctorate level relevant to SNOWS</b>	6. As above 7. Seminars: selected topics (pollution, residue analysis, risk assessment).	
<b>Other courses of relevance to SNOWS</b>	1. Bioassay 2. Cell biology 3. Neurology 4. Heavy metals toxicology	
<b>Number of Post Graduate students tutored at present</b>	8 M.Sc students	
<b>Number of PhDs supervised at present</b>	6 Ph.D. students	
<b>Number of PhD fellows supervised that are/were not enrolled at own department (last 5 years)</b>	Number: >15 Enrolled at : 1: Universities	

	2: Research Centers & Institutes 3. Ministries (Education, Agric., etc).
Scientific Production	Number of peer-reviewed articles in international scientific journals: >10
	Number of conference abstracts published in conference proceedings: Several
	No. of articles in national journals:> 10 (overall >65 published papers)
	Major reports: PTS (UNEP, Regional report: sub-Sahara Africa: region V), POPs survey in the Sudan & the National Implementation Plan (HCENR, Sudan), Solid Waste Management (FMOH, Medani), several others.
Distinctions	Member of several African networks in toxicology, pesticides, Entomology, chemistry, Environment & pollution.: GEF/STAP Roster, ANCAP, SEANC, ICC, AAIS, E-SALAMA; Chairman of SULAMA, Sudan Crop Protection Society, SETAC Africa vice president.
List max. 10 selected articles related to SNOWS	Detailed C.V. attached

Name	<b>Prof. Dr. Ali M. Adeeb</b>	
Department	Water Management and Irrigation Institute	
Working address	P. O. Box 20, Wad Medani, Sudan	
Contact details	Email, main: amadeeb@yahoo.com	Skype:
	Email, secondary: deanwmii@uofg.edu.sd	
	Phone (office):+249 5118 42810	Phone (Cell): +249 9129 49434
Formal education	B.Sc. (Agriculture), M.Sc. (Engineering), Ph. D. (Agricultural Engineering-Irrigation)	
Current position	Dean, Water Management and Irrigation Institute	
Research area and expertise of relevance for SNOWS (max 5 lines)	<ul style="list-style-type: none"> <li>- Water Quality and Supply</li> <li>- Livelihood Regeneration through Water Harvesting</li> </ul>	
Current research project(s) relevant to SNOWS	Most research is conducted within the Graduate Students Programme	
Courses at Post Graduate level, relevant to SNOWS	8. Groundwater 9. Water Management	
Courses and seminars at Doctorate level relevant to SNOWS		
Other courses of relevance to SNOWS		
Number of Post Graduate students tutored at present	20	
Number of PhDs supervised at present	5	
Number of PhD fellows supervised that are/were not enrolled at own department (last 5 years)	1  Enrolled at : 1: Department of Agricultural Engineering, Faculty of Agriculture, U of G 2: ..	
Scientific Production	Number of peer-reviewed articles in international scientific journals:	
	Number of conference abstracts published in conference proceedings:	
	No. of articles in national journals:	
	Major reports:	
Distinctions		

<p>List max. 10 selected articles related to SNOWS</p>	<ul style="list-style-type: none"> <li>• Ali M. Adeeb (2002). Environmental Impact of Irrigation and Agriculture in Sudan. Second Conference of Arab Union on Environment. Sudanese Environment Protection Society. Wad Medani. Sudan</li> <li>• Ali M. Adeeb (1999). Irrigation Potential and Salinity Hazards in Sudan. Proceedings of Irrigation Management and Saline Conditions. Jordan University of Science and Technology, Irbid, Jordan</li> <li>• Ali M. Adeeb (2006). Water Productivity of Food Crops in Gezira Scheme, Sudan. International Conference on Environmentally Sound Technology in Water Resources management. IASTED- Canada. Paper # 502-802.</li> </ul>
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**University of XXX**  
**CV – PhD student Profile**

Name	LOUAI ABDALLA MOHAMMED ABDALLA	
Department	CROP PROTECTION	
Working address	U.OF GEZIRA -FACULTY OF AGRECURTURAL SCIENCES -WAD MEDANI -SUDAN	
Contact details	Email, main: <a href="mailto:aburetaj22@yahoo.com">aburetaj22@yahoo.com</a> Email, secondary:----- Phone (office):	Skype: Phone (Cell):+249122*43501
Formal education	AGRECURTURAL SCIENCES U. OF G.	
Current position	LECTURER	
Title of PhD Project	USE OF SECONDARY PLANT EXTRACTS AS ALTERNATIVES TO INSECTICIDES IN THE CONTROL OF MAIZE INSECT PESTS	
Year of Enrolment – expected year of PhD Defence	2011– 2014	
Description of PhD project (max 5 lines)	<ul style="list-style-type: none"> <li>- EXTERACTION OF BIOACTIVE COMPOUNDS IN FENUGREEK AND CORIANDER</li> <li>- BIOASSY OF EXTRACTS</li> <li>- LAB ASSESSMENT OF IMPACT OF EXTRACTS AN INSECT PESTS</li> <li>- INTERCROPPING OF FENUGREEK AND CORIANDER PLANTS WITH MAIZE PLANT</li> <li>- FIELD ASSESSMENT OF IMPACT</li> </ul>	
Name and Department of main supervisor	DR. MOHAMED H. ZEIN ELABDEEN - CROP PROTECTION	
Contact details of main supervisor	Email, main: <a href="mailto:tanzeel1999@yahoo.com">tanzeel1999@yahoo.com</a> Email, secondary: Phone (office):	Skype: Phone (cell):+24912229367
Name and address of co-supervisor	Dr .YOUSIF OSMAN H. ASSAD - U.OF G.DEPT. PESTICIDES AND TOXICOLOGY	
Contact details of co-supervisor	Email, main: Email, secondary: Phone (office):	Skype: Phone (cell):
Name and address of additional co-supervisor (if relevant)	---	
Contact details of project supervisor	Email, main: Email, secondary: Phone (office):	Skype: Phone (cell):
Scientific Production	Number of peer-reviewed articles in international scientific journals:	
	Number of conference abstracts published in conference proceedings:	
	No. of articles in national journals:	
	Major reports:	
List max. 5 selected articles related to SNOWS	USE OF NATURAL PRODUCTS AS AN ENVIRONMENTAL FRIENDLY ALTARNATIVE TO INSECTICIDES .	



Name	ABDELBAGI NOURELDAIM MOHAMMED MOHAMMED AHMED	
Department	WATER MANAGEMENT AND IRRIGATION INSTITUTE –UNIVERSITY OF GEZIRA.	
Working address	SUDAN – GEZIRA STATE WATER CORPORATION	
Contact details	Email, main: ABDELBAGI_57@YAHOO.COM Email, secondary: Phone (office):	Skype: Phone (Cell): +249912320457
Formal education	BSc in MECHANICAL ENGINEERING	
Current position	DIRECTOR GENERAL OF GEZIRA STATE WATER CORPORATION	
Titel of PhD Project	ASSESSMENT OF THE MANAGEMENT CONCEPTS/APPROACHES OF THE DOMESTIC WATER SUPPLY IN GEZIRA STATE	
Year of Enrolment – expected year of PhD Defence	2011 – 2014	
Description of PhD project (max 5 lines)	<p>GEZIRA STATE OCCUPIES AN AREA OF 35304 km<sup>2</sup> WITH A TOTAL POPULATION OF 3.6 MILLIONS ACCORDING TO 2008 CENSUS. THE MAJORITY OF THE POPULATION AND ANIMALS DEPEND ON THE GROUNDWATER AND THE BLUE NILE RIVER FOR OBTAINING THEIR DEMAND. ACCORDING TO (SHHS) CONDUCTED IN 2007, 78% OF THE POPULATION OF THE STATE HAVE ACCESS TO IMPROVED WATER SUPPLY SOURCES AND ONLY 0.7% HAVE ACCESS TO PROPER WATER TREATMENT SOURCES AND 32% HAVE ACCESS TO ADEQUATE SANITARY.</p> <p>THE PROJECT AIMS TO ASSESS THE DIFFERENT MODES OF MANAGEMENT USED FOR RURAL AND URBAN WATER SECTOR 1994-2009 AND ANALYZE AND REVIEW LINKAGES BETWEEN WATER SCARCITY, WATER QUALITY, AND SANITATION AND OUTBREAK OF WATER BORNE DISEASES.</p>	
Name and Department of main supervisor	PROF. ALI M. ADEEB - WATER MANAGEMENT AND IRRIGATION INSTITUTE – UNIVERSITY OF GEZIRA	
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Name and address of additional co-supervisor (if relevant)		
Contact details of project supervisor	Email, main: Email, secondary: Phone (office):	Skype: Phone (cell):
Scientific Production	Number of peer-reviewed articles in international scientific journals:	
	Number of conference abstracts published in conference proceedings:	
	No. of articles in national journals:	
	Major reports:	
List max. 5 selected articles related to SNOWS		