

# CURRICULUM VITAE

## 1. PERSONAL DATA

|                    |                            |
|--------------------|----------------------------|
| Family Name        | Awadelkarim                |
| Fore Name          | Mohamed Ali                |
| Date of Birth      | 7 <sup>th</sup> July, 1943 |
| Place of Birth     | Khartoum                   |
| Nationality        | Sudanese                   |
| Marital Status     | Married                    |
| Number of Children | Three                      |

## 2. QUALIFICATIONS

| Degree                                    | Awarding Body                                         | Date       |
|-------------------------------------------|-------------------------------------------------------|------------|
| a. Diploma 1 <sup>st</sup> Degree Honours | St Petersburg Institute                               | 11.12.1967 |
| b. MSc Occup Hygiene                      | London School of Hyg & Trop Med, University of London | 24.07.1972 |
| c. PhD Community Medicine                 | London School of Hyg & Trop Med, University of London | 16.08.1978 |

## 3. HISTORY OF EMPLOYMENT

Current Appointment: Professor of Community Medicine, Department of Community Medicine, Faculty of Medicine, University of Khartoum and Department of Community Medicine, Faculty of Medicine, Khartoum Collage of Medical Sciences

| Employer                                                                   | Position           | Date      |
|----------------------------------------------------------------------------|--------------------|-----------|
| a. National Health Laboratories                                            | Scientific Officer | 1968-1970 |
| b. Dept., Community Medicine<br>Fac of Medicine, University<br>of Khartoum | Academic Assistant | 1971-1978 |
| c. Dept., Community Medicine<br>Fac of Medicine, University<br>of Khartoum | Ass. Professor     | 1979-1983 |
|                                                                            | Assoc. Professor   | 1983-1984 |
| d. Dept., Community Medicine<br>Fac of Medicine, University<br>of Kuwait   | Assoc. Professor   | 1984-1990 |
| e. Dept., Community Medicine<br>Fac of Medicine, University<br>of Khartoum | Assoc. Professor   | 1990-1992 |
|                                                                            | Professor          | 1993-     |
| f. Dept., Community Medicine<br>Khartoum College Medical Sciences          | Professor          | 2004-     |

#### 4. PUBLICATIONS

1. Bezbarodov M A, Galinikin V, Awadelkarim M A. The correlation between Coenzyme A and antibiotic production in actinomycetes. *Antibiotics* 1969; 8: 585-589.
2. Crockford G W, Awadelkarim M A. Assessment of a dynamically – insulated heat protective clothing assembly. *Ann Occup Hyg* 1974; 17: 111-121.
3. Collins K J, Brotherhood J R, Davies C T M, Dore C, Hacket A J, Imms F J, Musgrove J, Wiener J S, Amin M A, Awadelkarim M A, Omer A H S, Sukkar M Y. Physiological performance and work capacity of Sudanese cane cutters with schistosomiasis mansoni infection. *Am J Trop Med Hyg* 1976; 25: 410-421.
4. Davies C T M, Brotherhood J R, Collins K J, Dore C, Imms F J, Musgrove J, Wiener J S, Amin M A, Ismail H M, Awadelkarim M A, Omer A H S, Sukkar M Y. Energy expenditure and physiological performance of Sudanese cane cutters. *Brit J Industr Med* 1976; 33: 181-186.
5. Awadelkarim M A, Collins K J, Weiner J S. The effect of schistosomiasis on work performance in Annual Report 1077-1978, London School of Hygiene and Tropical Medicine pp 54-56.
6. Awadelkarim M A, Collins K J, Brotherhood J R, Dore C, Weiner J S, Sukkar M Y, Omer A H S, Amin M A. Quantitative egg excretion and work capacity in a Gezira population infected with schistosoma mansoni. *Am j Trop Med Hyg* 1980; 29(10): 54-61.
7. Awadelkarim M A. An assessment of physical performance in Gezira population infected with schistosomiasis. World Health Organization TDR Programme document TDR/SER/SWG (2) 80.WR2.
8. Awadelkarim M A, Collins K J, Omer A H S, Amin M A, Dore C. An assessment of anti-schistosomal treatment on physical work capacity. *J Trop Med Hyg* 1981; 84: 67-72.
9. Awadelkarim M A, Collins K J, Omer A H S, Sukkar M Y. Physiological performance and work capacity of rural, urban and army personnel in the Sudan. *Ergonomics* 1982; 241: 245-252.
10. Elhassan B M, Awadelkarim M A, abdel Magid H M, Ibrahim I S, Dirar M A. A study on water quantity, quality and health impact in Khartoum Province. *Water Quality Bulletin* 1984; 9: 225-230.
11. Awadelkarim M A, Elhassan B M, Hussien K K. Social and public health implication of water supply in arid zones in the Sudan. *International Journal of Social Science and Medicine* 1985; 20: 393-398.
12. Awadelkarim M A, El Hag A A. Byssinosis and tuberculosis in cotton industry in Sudan. *East African Medical Journal* 1985; 62: 491-500.
13. Awadelkarim M A, Shrief N H, Ballal. Energy expenditure of industrial workers in Sudan. *The Journal of Kuwait Medical Association* 1985; 19: 191-200.
14. Awadelkarim M A, Osman Y, El haimi Y A A. Byssinosis: Environmental and respiratory symptoms among textile workers in Sudan. *Intr Arch Occup Environ Health* 1986; 57: 101-108.
15. Awadelkarim M A, A/Rahman T A, Daffalla A A. Assessment of energy expenditure among textile workers infected with schistosomiasis. *Proceedings of XI Asian Conference on Occupational Health, Manila, Philippines, 10-15 November, 1986.*

16. Awadelkarim M A, Hamid A S, El Haimi Y A A, Osman Y. Effects of exposure to lead among lead-acid battery factory workers in Sudan. *Arch Environ Health* 1986; 41: 261-265.
17. Awadelkarim M A, Omer A A, gad El Rab M O, Elhaimi Y A A. Respiratory and allergic disorders in workers exposed to grain and flour dusts. *Arch Environ Health* 1986; 41: 297-301.
18. Awadelkarim M A. The effect of schistosomiasis on 24 hour energy expenditure. *J Trop Med Hyg* 1986; 89: 303-307.
19. Collins K J, Abdel Rahman T A, Awadelkarim M A. Schistosomiasis: Field studies of energy expenditure in agricultural workers in the Sudan. In a book edited by Collins K J and Roberts D F, University of Cambridge Press, 1986.
20. Eltayeb Z E, Awadelkarim M A, Abdel Rahman M. Status of environmental education at primary level of education in Sudan. *Journal of Environmental Education and Information* 1986; 4: 180-190.
21. Awadelkarim M A, Collins K J, Collins K J, Dore C. Energy expenditure of agricultural workers in an area of endemic schistosomiasis in the Sudan. *Brit J Industr Med* 1987; 44: 64-67.
22. Khogali M, Awadelkarim M A. Working in hot climate a chapter in *Recent Advances in Occupational Health*. Edited by Harrington M, 1987 Oxford Press, UK.
23. Awadelkarim M A, Onsa S. The prevalence of byssinosis and respiratory symptoms among spinners in Sudanese cotton mills. *Am J Industr Med* 1987; 12: 281-289.
24. Awadelkarim M A, Shrief N H, Ballal M A. Effects of exposure to cotton dust on energy expenditure in textile industry. *Int Arch Occup Environ Health* 1987; 59: 347-353.
25. Awadelkarim M A, Khogali M, Zeglam H. Traffic air pollution in Kuwait: preliminary results for nitrogen oxides and carbon monoxide. *The Science of the Total Environment* 1991; 106: 111-119.
26. Jedrychowski W, Khogali M, Awadelkarim M A. Height and lung function in preadolescent children of Kuwaitis and European origin: A pilot survey on health effects of gas cooking in the Middle East. *Archives of Environmental Health* 1991; 46: 361-365.
27. Awadelkarim M A, Khogali M, Mahmoud N A, Gumaa K A. The effect of cigarette smoking on the working capacity. *Med Principles Pract* 1992-1993; 3:213-218.
28. Awadelkarim M A, Khogali M, Angelo-Khattar, Thulesius O, Veanes V, Zeglam H. Levels of vehicles-generated environmental lead in Kuwait-preliminary results. Accepted at the second meeting of the International Society for environmental Epidemiology(ISEE) 1990, Berkely, California.
29. Zeidan Z, Kojal H, Habour A, Nowary K, Hashim F, Awadelkarim M A. Clinical and epidemiological features of severe malaria in children in four hospitals in Sudan. *Eastern Mediterranean Health journal* 2006; 12: 783-791.
30. Zeidan\_ AZ\_, Elkhair\_ M\_, K\_, Ali\_ B\_ H\_, Kamal\_ N\_, &\_ Mohammed\_ A\_ A.(Awadelkarim MA)\_Severe\_Malain\_Sudanese\_Children:\_Clinical\_aspects\_and\_prognosis\_in\_hospitalized\_patients\_ Saudi\_Journal\_ of Family\_& Community\_Medicine\_2005;\_12(3)\_1\_6\_.
31. **2. Taha Ahmed Elmukashfi, Omer Ali Ibrahim, Isam Mohamed Elkhidir, Abdelgadir Ali Bashir, Mohammed Ali Awad Elkarim. Hazards Analysis, within Departments and Occupations, for Hepatitis B Virus among Health Care Workers in Public Teaching Hospitals in Khartoum State; Sudan. Global Journal of Health Science; Vol. 4, No. 6; November 2012,**

Pages (51-59)

32. **Taha Ahmed Elmukashfi, Isam Mohamed Elkhidir, Omer Ali Ibrahim, Abdelgadir Ali Bashir, Mohammed Ali Awad Elkarim.** Hepatitis B virus infection among health care workers in Public Teaching Hospitals in Khartoum State, Sudan. *Safety Science*, Volume 50, Issue 5, June 2012, Pages 1215-1217.
33. **Taha Ahmed Elmukashfi, Isam Mohamed Elkhidir, Omer Ali Ibrahim, Abdelgadir Ali Bashir, Mohammed Ali Awad Elkarim.** Socio-Demographic Characteristics of Health Care Workers and Hepatitis B Virus (HBV) Infection in Public Teaching Hospitals in Khartoum State, Sudan. *Global Journal of Health Science*; Vol. 4, No. 4; May 2012 (37-41)
34. **Taha Ahmed Elmukashfi, Isam Mohamed Elkhidir, Omer Ali Ibrahim, Abdelgadir Ali Bashir, Mohammed Ali Awad Elkarim.** Occupational Hazards and HBV infection among health care workers in Public Teaching Hospitals in Khartoum State, Sudan: A multiple Discriminant Analysis. *Sudan Journal of Medical Sciences*, issue (7-1) Mar 2012, Pages (1-7).
35. **Taha Ahmed Elmukashfi, Isam Mohamed Elkhidir, Omer Ali Ibrahim, Abdelgadir Ali Bashir, Mohammed Ali Awad Elkarim.** Past medical history of blood transfusion, surgical operation, vaccination against HBV, cutter scar and tattoo; and HBV infection among health care workers in Public Teaching Hospitals in Khartoum State, Sudan. *Sudanese Journal of PUBLIC HEALTH (SJPH)*, Volume 7, No.1, January 2012, Pages (7-11).
36. Eltuhami K, Awadelkarim M A. Mohamed E Y. **Prevalence and determinants of anemia among University students living in public hostels, Khartoum state, Sudan.** *International Journal of Pharmaceutical and Medicinal Research* 2014, 2: 34-137.
37. Balla S A, \*, Ahmed H A, Awadelkarim M A. Prevalence of diabetes, knowledge and attitude of rural population towards diabetes and hypoglycaemic event, Sudan 2013. *American Journal of Health Research* 2014; 2(6): 356-360.
38. **Ahmed A A, Awadelkarim M A,** NOISE EXPOSURE IN TWO TEXTILE PLANTS IN SUDAN. *European Scientific Journal* 2015; 11: 188 – 195.
39. **Ahmed A A, Awadelkarim M A.** Noise Induced Hearing Loss at Two Textile Plants in Sudan. *European Academic Research* 2015; 2:13995 – 14005.
40. Balla S A, Shaban K M, Ahmed H A, Awadelkarim M A. Adherence of Diabetic Patients to Education/Information Provided at Primary Health Care Level in Khartoum State, Sudan. *British Journal of Medicine & Medical Research* 2016; 14(1): 1 – 6.

## 5. RESEARCH STUDENTS AND POST DOCTORAL FELLOWS SUPERVISED

| Ser No | Degree | Title of thesis                                        | Faculty or Institute                   | Year |
|--------|--------|--------------------------------------------------------|----------------------------------------|------|
| 1      | MCM*   | Economic impact of malaria in New Halfa sugar state    | Dept Community Med, Fac of Med, U of K | 1980 |
| 2      | MSc    | Assessment of air and noise pollution in Khartoum City | Inst Environ Studies U of K            | 1981 |
| 3      | MCM    | Lead poisoning among battery                           | Dept Community Med,                    | 1982 |

|    |     |                                                                                                                                   |                                            |      |
|----|-----|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------|
|    |     | factory workers in Khartoum North                                                                                                 | Fac of Med, U of K                         |      |
| 4  | MSC | Environmental assessment of industrial waste of Khartoum North industrial area. A technical study in waste of non-food industries | Institute of Environmental Studies U of K  | 1982 |
| 5  | MSC | Environmental assessment of industrial waste of Khartoum North industrial area. A technical study in waste of food industries     | Institute of Environmental Studies U of K  | 1982 |
| 6  | MSC | Economic assessment of industrial waste treatment and disposal on the environment of Khartoum North industrial area               | Institute of Environmental Studies U of K  | 1982 |
| 7  | MSC | The social impact of industrial waste of Khartoum North industrial area on the environmental waste workers                        | Institute of Environmental Studies U of K  | 1982 |
| 8  | MCM | Prevalence of byssinosis and tuberculosis among textile workers in the textile industry, Khartoum north                           | Dept Community Med, Fac of Med, U of K     | 1983 |
| 9  | MCM | Effect of endemic and communicable diseases and occupational hazards on energy expenditure                                        | Dept Community Med, Fac of Med, U of K     | 1983 |
| 10 | MCM | Respiratory diseases and allergies among flour mill workers in Khartoum North industrial area                                     | Dept Community Med, Fac of Med, U of K     | 1983 |
| 11 | MSC | Introduction of environmental education programme to primary level of education in Sudan                                          | Institute of Environmental Studies U of K  | 1983 |
| 12 | PhD | Energy expenditure and schistosomiasis infection in agricultural workers in the Sudan                                             | Dept of Physiology Fac of Med, U of K      | 1984 |
| 13 | MCM | Effect of noise on hearing acuity among textile workers                                                                           | Dept Community Med, Fac of Med, U of K     | 1984 |
| 14 | MSc | Urban- rural migration and health effects                                                                                         | Institute of Environmental Studies, U of K | 1984 |
| 15 | MSc | The environmental impact of Khartoum green belt on residents of the surrounding residential areas                                 | Institute of Environmental Studies, U of K | 1984 |
| 16 | PhD | The effects of schistosoma mansoni                                                                                                | London School of                           | 1989 |

|    |        |                                                                                                                                                                                                             |                                                                     |      |
|----|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------|
|    |        | on female activity patterns and infant growth in Gezira Province, Sudan                                                                                                                                     | Hygiene and Tropical Medicine, London University (external advisor) |      |
| 17 | MCM    | The effects of occupational hazards on the workers health in cement industry: Atbara Cement Company 1991-1992                                                                                               | Dept Community Med, Fac of Med, U of K                              | 1993 |
| 18 | MD     | The status of malaria control programme in Khartoum state after decentralization: The one year expenditure 1997                                                                                             | Dept Community Med, Fac of Med, U of K                              | 1998 |
| 19 | MD     | Epidemiology of malaria in displaced camps in Khartoum: Prevalence, environmental and entomological aspects (Khartoum State 1996-1997)                                                                      | Dept Community Med, Fac of Med, U of K                              | 1998 |
| 20 | MD     | The pattern of health problems in children (0-5) years in police residential areas in Khartoum State                                                                                                        | Dept Community Med, Fac of Med, U of K                              | 1998 |
| 21 | MSc    | Assessment of microbiological quality of drinking water in Khartoum City                                                                                                                                    | Institute of Environmental Studies, U of K                          | 1999 |
| 22 | MD     | School health: Systems analysis                                                                                                                                                                             | Dept Community Med, Fac of Med, U of k                              | 2001 |
| 23 | MPEH** | Hospital solid waste management in Khartoum hospital                                                                                                                                                        | Dept Environ Health, Fac Public and Environ Health, U of K          | 2002 |
| 24 | MD     | Outcome of nutritional intervention in school age children. A nutritional intervention study in school age children (%-10 years) at Arashkol village, Addwim Province, White Nile State (NOv 1999-Jan 20010 | Dept Community Med, Fac of Med, U of K                              | 2002 |
| 25 | MD     | Typhoid fever among the food handlers, Khartoum State 2002-2003                                                                                                                                             | Dept Community Med, Fac of Med, U of K                              | 2003 |
| 26 | MPEH   | Heat stress and strain assessment and control measures at pan gulf Metal Industries Company                                                                                                                 | Dept Environ Health, Fac Public and Environ Health, U of K          | 2003 |
| 27 | MD     | Evaluation of rapid screening of urinary schistosomiasis compared to the gold standard urine test in primary school children in East Nile locality, Khartoum, Sudan 2002-                                   | Dept Community Med, Fac of Med, U of K                              | 2004 |

|    |                               |                                                                                                                               |                                                                                  |      |
|----|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------|
|    |                               | 2003                                                                                                                          |                                                                                  |      |
| 28 | MD                            | Household expenditure on prevention and treatment of malaria in Khartoum state during a transmission season September 2003    | Dept Community Med, Fac of Med, U of K                                           | 2004 |
|    | MD                            | HIV/AIDS/STIs knowledge, attitude behaviour and practice among university students in Sudan 2004                              | Dept Community Med, Fac of Med, U of K                                           | 2004 |
| 29 | MSc                           | Assessment of beneficiaries' satisfaction with preventive primary health care services in health centers, Khartoum State 2005 | The Academy of Medical Sciences and Technology                                   | 2006 |
| 30 | MSc                           | Assessment of the risk factors of diarrhea among basic school children in Ombaddah locality                                   | The Academy of Medical Sciences and Technology                                   | 2006 |
| 31 | MSc                           | Assessment of ground water quality in Khartoum Town 2006                                                                      | The Academy of Medical Sciences and Technology                                   | 2006 |
| 32 | MD                            | HIV sero-prevalence and risk behaviour among tuberculosis patients in Khartoum State 004/2005                                 | Dept Community Med, Fac of Med, U of K<br>Dept Community Med, Fac of Med, U of K | 2006 |
| 33 | MSc public & Tropical Health  | Assessment of Epidemiology of traffic Accidents in Khartoum State                                                             | The Academy of Medical Sciences and Technology                                   | 2006 |
| 34 | MD                            | Prevalence and determinants of anaemia among university students living in public hostels in Khartoum-State                   | Dept Community Med, Fac of Med, U of K                                           | 2007 |
| 35 | MD                            | Sero-epidemiology of hepatitis B among children <10 years of age in Khartoum state, 2004-2005                                 | Dept Community Med, Fac of Med, U of K                                           | 2007 |
| 36 | MD                            | Assessment of occupational stress and its effect on performance among senior staff at Federal Ministry of Health, Sudan 2007  | Council of Community medicine, Sudan medical Specialization Board                | 2008 |
| 37 | PhD                           | Effect of IDA/ID and PEM on Cognitive Ability Among Grade One basic School Pupils in Omdurman Sudan                           | Faculty of Education, University of Khartoum                                     | 2009 |
| 38 | MSC public and Environ Health | Risk Assessment of Occupational hazards and Safety in Khartoum Refinery                                                       | Faculty of Public and Environmental health, University of Khartoum               | 2014 |

|    |     |                                                                                                                            |                                                                    |      |
|----|-----|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------|
| 39 | PhD | Evaluation of Environmental disaster Management. Preparedness in Saudi Arabia: Case Study of Riyadh City                   | Institute of Environmental Studies, University of Khartoum         | 2015 |
| 40 | PhD | Noise – Induced Hearing Loss and Contributor factors Among Workers of Textile Factories in Khartoum North Industrial Area. | Faculty of Public and Environmental health, University of Khartoum | 2016 |

\*Master in Community Medicine

\*\*Master in public and environmental health

## **6. TEACHING ACTIVITIES AND AREAS OF RESPONSIBILITY**

### **A. Undergraduate medicals**

1. Undergraduate 5<sup>th</sup> year medical students, Department of Community Medicine, Faculty of Medicine, University of Khartoum since 1971.
2. Undergraduate 2d year medical students, Department of Community Medicine, Faculty of Medicine, University of Gezira 1980.
3. Undergraduate 3d year medical students, Department of Community Medicine, Faculty of Medicine, University of Juba 1982-1984.
4. Undergraduate 6<sup>th</sup> year medical students, Department of Community Medicine and behavioural Sciences, Faculty of Medicine, University of Kuwait 1984-1990.
5. Undergraduate 5<sup>th</sup> year medical students, Department of Community Medicine, Faculty of Medicine, Upper Nile University. 1991-2006.
6. Undergraduate medical, pharmacy and laboratory students, Academy of Medical Sciences 2000-2006.
7. Undergraduate medical students, Department of Community Medicine, Khartoum College of Medical Sciences 2004-
8. Undergraduate medical students, Faculty of Medicine, Rabat University 2004-2006.
9. Undergraduate pharmacy students, Faculty of Pharmacy, University of Science and Technology 2004-2006.

### **B. Post graduate medicals**

1. Master degree in community medicine, Department of Community Medicine, Faculty of Medicine, University of Khartoum 1979-1984.
2. MD community medicine, Department of Community Medicine, Faculty of Medicine, University of Khartoum 1990-2005.



3. MD community medicine, Sudan Board of Medical Specialization 2005-.

**C. Undergraduate Paramedics**

1. Students of the Faculty of Public and Environmental Health, University of Khartoum(1979-1984)
2. Students of the Department of Textile, faculty of Engineering, university of Science and Technology (1982-19830).

**D. Other postgraduates**

1. Master degree in Environmental studies, Institute of Environmental Studies, University of Khartoum (1979-1984, 1990-)
2. Master degree in environmental engineering, Faculty of Engineering, University of Khartoum (1980-1984).
3. Master degree in laboratory technology, Faculty of Laboratory Technology, University of Khartoum (2005-)
4. Master of clinical pharmacology, Faculty of Pharmacy, University of Khartoum (2006-).
5. Master tropical public health, University of Medical Sciences and Technology (2004-).

**7. ADMINISTRATION AND COMMITTEES**

**1. Departmental**

- a. Coordinator of the 5<sup>th</sup> year medical student's course, Faculty of Medicine, University of Khartoum (1982-1984).
- b. Coordinator of the master degree in community medicine-Part I and part II, Faculty of Medicine, University of Khartoum (1979-1984).
- c. Coordinator MD degree in community medicine, Faculty of Medicine, University of Khartoum part I and part II (1992-2004)
- d. Secretary of the departmental board, Department of community Medicine, Faculty of Medicine, university of Khartoum (1982-1983).
- e. Secretary of the departmental board, Department of community and Behavioural Sciences, Medicine, Faculty of Medicine, University of Kuwait (1985-1987).
- f. Head, Department of Community Medicine, Faculty of Medicine, University of Khartoum (1992-1993).
- g. Head, Department of Community Medicine, Faculty of Medicine, University of Khartoum (1995-1999).
- h. Head, Department of community medicine, Khartoum College of Medical Sciences (2004-).
- i. Secretary of Academic Affairs, Khartoum College of Medical Sciences (2012-2014).

**2. Faculty**

- a. Member of the Board of the Faculty of Medicine, University of Khartoum

(1982-1984, 1991-).

- b. Secretary, Faculty Research Board, Faculty of Medicine, University of Khartoum (1983-1984, 1991-).
- c. Member of the Faculty Safety Committee, , Faculty of Medicine, University of Kuwait (1986-1990).
- d. Member of the Library Committee, Faculty of Medicine, University of Kuwait (1986-1990).

### **3. University**

- a. Coordinator (Equivalent to the status of head department) of Urban Settlements Studies, University of Khartoum (1979-1984).
- b. Member of the Governing Board of the Institute of Environmental Studies, University of Khartoum (1979-1984).
- c. Member of the Senate of the University of Khartoum (1996, 1998-2001, 2002-).
- d. Member of the Scientific Council, Khartoum College of Medical Sciences (2007-).
- e. Member of medical and health Studies Board 2014-

### **4. Students Affairs**

Member of Sports Affairs Committee of the University of Khartoum, Medical campus (1980-1984).

### **5. Others**

- a. Chairman, natural Science Committee, National Commission of education, Science and Culture (1983-1984).
- b. Chairman, Sudanese National Man and Biosphere Programme (UNESCO), 1982-1984.
- c. Member, Sudanese Compensation Commission (United Nation Compensation Commission), 1991- 2010.
- d. Chairman, Technical Committee on Environment and Sanitary Waste Disposal, Sudanese Standards and Meteorology Organisation (2002-).
- e. Member, Technical and Ethics Committee on Health Research, Federal Ministry of Health, 1997-
- f. Chairman, Technical and Ethics Committee on Health Research, Khartoum State Ministry of Health, 2004-.
- g. Co-Chairman, Committee on Establishing National Environmental Fund law, Ministry of Environment, National Resources and Physical Development 2015-

### **8. Membership of societies and other professional Associations**

- a. Sudanese Society of Social and Preventive Medicine.
- b. Sudanese Environmental Protection Society.
- c. Sudanese Philosophical Society.
- d. The British Occupational Hygiene Society.
- e. American Public Health Association.

- f. Society for the Study of Human Biology.

## **9. Other professional Activities**

- a. Consultant to the Department of occupational Health, Ministry of Health, Khartoum (1979-1984).
- b. Convenor of the working committee on public health, medical Research Council, Sudanese National Council for Research (1982-1984).
- c. Convenor of the International workshop on ecological problems of human settlements in arid lands under the auspices of Institute of Environmental Studies, University of Khartoum, Sudanese National Man and Biosphere programme Committee and UNESCO (March, 1981).
- d. Convenor of the conference on environmental problems of the Gezira area” under the auspices of Sudanese Environmental Society, Institute of Environmental Studies and University of Gezira (October, 1981).
- e. Consultant to the Directorate of Environment, Ministry of Health, Kuwait, 1984-1990.
- f. Consultant, Department of Hygiene and Safety, Kuwait Airways, 1986-1990.
- g. Evaluation of Revolving Drug Fund in Khartoum State sponsored by Save the Children Fund (UK) & Ministry of Health, Khartoum State, 1995(Team Leader).
- h. Public health curriculum design for the Faculties of Medicine & Health Sciences, Universities of Upper Nile and Bahrelgazal in 1996 & 1997 respectively
- i. Survey on health education messages on malaria commissioned by the Directorate of Malaria, 1998(Team Leader)
- j. Assessment of sustainability of the Action Contre La Fame (NGO-French) health facilities in Juba and surrounding areas, 1999(Team leader)
- k. Assessment of the Health Insurance in the Informal Sector in Khartoum State, 2001
- l. Task Force Coordinator for the strategic plan process, Sudanese National AIDS Control Programme, Federal Ministry of Health, 2002/2003.
- m. Principal investigator, research mapping for Sudan, WHO, 2001/2002
- n. Evaluation of the Emergency Comprehensive Public Health Intervention for IDPs in Kassala and Bahr Elghazal States (ECHO 138), International Rescue Committee (NGO), 2004 (Team Leader)
- o. Evaluation of Kosti integrated Food Security for Selected Internally Displaced People, White Nile State September, 2001 – April, 2004, Adventist Development and Relief Agency (ADRA-USA) Sudan (NGO), 2004 (Team Leader)
- p. Evaluation of Revolving Drug Fund in Khartoum State, sponsored by Save the Children Fund (UK) & Ministry of Health, Khartoum State, 2005 (Consultant)
- q. Assessment of Factors Influencing the Nutritional Status of Children (6-59 months) in Mershing and Otash IDP camps in southern Darfur State 2005, World vision (Team leader).

## **10. Conferences, seminars and workshops**

- 1. Conference of the British Physiological Society, London, 1978.
- 2. Workshop on socio-economic impact of tropical diseases, Abu Usher, Sudan, organized by the World health organization, 1980.

3. Conference of the Medical Research Council, Sudanese National Council for Research contributed with two papers:
  - Impact of schistosomiasis on productivity
  - Impact of malaria on productivity
4. International Coordinating Council of the Man and Biosphere Programme, Paris, 1979.
5. International Coordinating Council of the Man and Biosphere Programme, Paris, 1981.
6. Work shop on ecological problems of human settlements, UNESCO/UNEP, Mexico, 1980.
7. International Congress on soil pollution and protection from pesticides residues, Egypt, 1981.
8. Workshop on the development of guidelines to assess the social and economic consequences of the tropical diseases, organised by the World Health Organization, 1980. Presented a paper on: An assessment of physical performance in Gezira population infected with schistosomiasis, Geneva, Switzerland.
9. Conference on: Environmental problems of the Gezira area, organised by Sudanese Environmental Protection Society, the Institute of Environmental Studies, University of Khartoum and University of Gezira, Wad Medani, 1981. Presented a paper on: Health effects of exposure to pesticides.
10. Workshop on: Health service research and topical diseases, organised by the World Health Organization, Khartoum, 1982. Presented a paper on: Schistosomiasis and human productivity.
11. Workshop on: Environmental impact of development, 1980, Khartoum, Sudan.
12. Workshop on: Environmental evaluation on developmental schemes, University of Khartoum, 1981, Khartoum, Sudan.
13. UNESCO mission to Saudi Arabia to promote and activate Man and Biosphere Programme Committee in Arab world, 20-30 December, 1981.
14. Workshop on: Urban growth and management of urban reforms, organised by IFIAS and Ecoville Programme, 8-16 April, 1982, Nairobi, Kenya.
15. Meeting of the Chairmen Man and Biosphere Programme Committees in Arab world, 18-24 May, 1982, Tunis.
16. Coordinating committee meeting of the Ecoville Programme for Africa on: Urban growth and management of urban reforms, organised by the Institute of Environmental Studies, University Toronto, 26-30 September, 1982, Toronto, Canada.
17. Workshop on: Water resources information systems network on monitoring, organised by the Egyptian Academy of Sciences and Ford Foundation, 26/5-5/6 1983 Cairo, Egypt.
18. UNESCO twenty second general conference, general programme and budget for 1984-1985, 2-25/11/1983, Paris, France.
19. UNESCO/UNEP International Man and Biosphere Programme experts meeting on: Ecological approaches to urban planning, 4-30 September, 1984, Suzdal, USSR.
20. Workshop on: Medical education organised by the Faculty of Medicine, Health Services Centre, University of Kuwait, may, 1985.

21. XXVI Congress of the European Society of Toxicology, University of Koupio, Koupio, 16-19 June, 1985.
22. XI Asian conference on occupational health, Manila, Philippines, 10-15 November, 1986.
23. Seminar on: General policy programme of health care ion Kuwait, faculty of Medicine, University of Kuwait 22 february-5<sup>th</sup> march, 1986, Kuwait. Presented a paper on: Effect of environmental impact on health services,.
24. Annual conference of the Occupational Hygiene Society, University of York 23-27 March 1987, York, UK.
  
25. International conference on: Ergonomics, occupational safety and health, 24-28 October 1988, Beijing, China.
26. Annual conference of the National Safety Council (USA), 1989, Stockholm, Sweden.
27. Annual conference of the National Safety Council (USA), 1990, Tuscany, USA.
28. Sudan neighbouring countries Ministries of Health conference Khartoum 5-6 February 2003.
29. World Health Organization, Seven Inter country Meeting of the National Officers Responsible for Health Research in the Eastern Mediterranean Region. Lahore, Pakistan, 15-17 December 2003.
30. World Health Organization, Regional workshop to assess preliminary results of health research systems analysis and tracking resource flows in health research, , 25-27 February 2003, Cairo, Egypt.
31. WHO assignment on updating the previously established data-base of health research Ref: EM/03/051421 And Code: 43054388 May 2005.
32. The "Utilization of health services in the Sudan" proposal has been accepted to be implemented in collaboration with the General Directorate of Health planning and development. 2005.
33. World Health Organization (EMRO)-Council of Health Research and Development-Gulf Cooperation Council Collaboration in Health Research, 14-15 November20, 2005, Riyadh, Saudi Arabia (WHO Advisor).
34. Post peace workshop, Federal Ministry of health, Sudan. Chairman of the sub-committee on policy, management and finance, 2007, Khartoum, Sudan.
35. World Health Organization APW's for Private sector study: Harnessing the private health sector to achieving public health goals in countries of the Eastern Mediterranean (Sudan), 2007.
36. Workshop for African teachers of public health, epidemiology and/or clinical trials, Wits School of Public Health, 3-7 December,2007, Johannesburg, South Africa.
37. Special and tenth meeting of the Regional Centre for Environmental Health Activities (CEHA) technical advisory committee (TAC), proposed CEHA plan of action biennium 2006/2007, Dead Sea, Jordan, 14-16 December 2005, World Health Organization (WHO Advisor).

38. Meeting of the Final Selection Committee for Approval of Research Proposals, 22-24 April 2008, World Health Organization, Cairo/EMRO, Egypt (WHO Advisor).
39. Committee on: The revision of the World Health Organization International Health Regulations 2005 (Sudan), Federal Ministry of Health in collaboration with WHO, June 2008.
40. Workshop on Industrial Liquid Waste: Wad Dafiea case. Sudanese Standardization and Metrology Organization, Khartoum 2009.
41. Five Years National Strategy (2007-2011) for Environmental Health and Food Safety, October 2008, Federal Ministry of Health, Sudan.
42. Workshop on Electronic Waste, Sudanese Standardization and Metrology Organization, Khartoum 2010.
43. Workshop on Medical Waste, Sudanese Standardization and Metrology Organization, Khartoum 2012.
44. First International Scientific Conference, Khartoum College of Medical Sciences, Khartoum 2013.
45. Workshop of the Assessors for Accreditation of faculties of Medicine in Sudan, Sudan Medical Council, Khartoum 2015.

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