

**Academic Affairs Secretariat
The Staff Promotion Unit**

PERSONALE DETAILS

<i>Name</i>	<i>Prof. Amal Mahmoud Saeed</i>
<i>Date of Birth</i>	<i>21st March, 1948</i>
<i>Place of Birth</i>	<i>Madani</i>
<i>Gander</i>	<i>Female</i>
<i>Marital Status</i>	<i>Married, with four daughters</i>
<i>Nationality</i>	<i>Sudanese.</i>
<i>Academic Status</i>	<i>Professor</i>
<i>Department</i>	<i>Physiology</i>
<i>Faculty</i>	<i>Medicine</i>
<i>E. mail</i>	<i>amalsaeed@yahoo.com</i>
<i>Fax no.</i>	<i>+249-183-778570</i>

Qualifications

<i>Degree</i>	<i>Awarding Body</i>	<i>Country</i>	<i>Date</i>
<i>MBBS</i>	<i>U of K</i>	<i>Sudan</i>	<i>1973</i>
<i>phD</i>	<i>U of K</i>	<i>Sudan</i>	<i>1983</i>

ACADEMIC APPOINTMENTS

<i>Date</i>	<i>Position</i>
<i>1975 - 1983</i>	<i>Teaching Assistant</i>
<i>-</i>	<i>Lecturer</i>
<i>1986 -1997</i>	<i>Assistant Professor</i>
<i>1997-2009</i>	<i>Associate Professor</i>
<i>2009 to date</i>	<i>Professor</i>

PROFESSIONAL APPOINTEMENT EXPERIENCE

<i>Date</i>	<i>Position</i>
<i>April 1973- April 1974.</i>	<i>House-manship in Khartoum Teaching Hospital:</i>
<i>April 1974 – April 1975.</i>	<i>Medical officer in Khartoum Eye Hospital:</i>

SPECIALISED TRAINING

<i>Training</i>	<i>Date</i>	<i>Country</i>
<i>Radio immune assay</i>	<i>1978</i>	<i>United kingdom</i>

FIELD OF WORK

<ul style="list-style-type: none">• <i>Physiology</i>• <i>Medical education</i>
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SPECIAL INTEREST

<ul style="list-style-type: none">• <i>Medical education</i>
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AWARDS

<i>Award</i>	<i>Awarding Body</i>	<i>Country</i>	<i>Date</i>
<i>Prize of Scientific Distinction</i>	<i>University of Khartoum</i>	<i>Sudan</i>	<i>Feb/2015</i>
<i>Prize of Distinguished Research</i>	<i>Ministry of Industry</i>	<i>Sudan,</i>	<i>March/ 2009</i>
<i>Visiting professor Scholarship</i>	<i>DAAD</i>	<i>Germany</i>	<i>2006</i>
<i>Scholarship to attend the international Union physiology conference</i>	<i>IUPS</i>	<i>New Zealand</i>	<i>2001</i>
<i>Scholarship to attend the third conference of African Association of Physiology in South Africa.</i>	<i>TWAS</i>	<i>Italy</i>	<i>2000</i>
<i>Scholarship to attend the international physiology conference in Saint Petersburg, Russia</i>	<i>IUPS</i>	<i>RUSSIA</i>	<i>1997</i>
<i>Scholarship to attend the 27th Annual Meeting of the Middle East Studies Association in North Carolina and training in medical education in UCLA California, USA</i>	<i>Rockefeller Foundation</i>	<i>USA</i>	<i>1993</i>
<i>Scholarship for training in medical education in Arizona University in Tucson and New Mexico University in Albuquerque, USA.</i>	<i>American Educational Commission for Foreign Medical Graduate (ECFMG)</i>	<i>USA</i>	<i>1990</i>

PROFESSIONAL COURSES & WORKSHOPS ATTENDED

<i>Training Course/ Workshop</i>	<i>Body</i>	<i>Country</i>	<i>Date</i>
<i>Radio immune assay</i>	<i>British Council</i>	<i>United Kingdom</i>	<i>1978</i>
<i>Training on Power lab application</i>	<i>AD Instrument</i>	<i>New Zealand</i>	<i>2001</i>

COURSES & WORKSHOPS ATTENDED IN EDUCATION

<i>Training Course/ Workshop</i>	<i>Body</i>	<i>Date</i>
<i>Fellowship of the American Education Commission for Foreign Medical Graduates</i>	<i>ECFMG</i>	<i>1990</i>
<i>A number of workshops on medical education in Arabian Gulf University</i>	<i>Arabian Gulf University</i>	<i>1996-1998</i>
<i>A number of workshops on medical education in Ahfad University</i>	<i>Ahfad university</i>	<i>1998-19190</i>
<i>A number of workshops on medical education in faculty of medicine in University of Khartoum</i>	<i>U of K</i>	<i>1998 -2010</i>
<i>A course on medical education in Ismailia University in</i>	<i>Egypt</i>	<i>1996</i>
<i>IUPS (International Union of Physiological Sciences) teaching workshop in Saint Petersburg, Russia (1997).</i>	<i>IUPS</i>	<i>1997</i>
<i>African Association of Physiological Sciences (AAPS) teaching workshop in South Africa</i>	<i>AAPS</i>	<i>2000</i>
<i>IUPS teaching workshop, New Zealand</i>	<i>New Zealand</i>	<i>2001</i>
<i>African Association of Physiological Sciences (AAPS) teaching workshop in Nairobi Kenya .</i>	<i>AAPS</i>	<i>2008</i>
<i>IUPS teaching workshop</i>	<i>Bahrain</i>	<i>2012</i>

SCHOLARSHIPS

<i>Awarding Body</i>	<i>Country</i>	<i>Date</i>
<i>DAAD</i>	<i>Germany</i>	<i>2006</i>
<i>IUPS</i>	<i>New Zealand</i>	<i>2001</i>
<i>TWAS</i>	<i>Italy</i>	<i>2000</i>
<i>IUPS</i>	<i>RUSSIA</i>	<i>1997</i>
<i>ECFMG</i>	<i>USA</i>	<i>1990</i>

ACADEMIC, ADMINISTRATIVE & PROFESSIONAL RESPONSIBILITIES & ACTIVITIES
SERVICE ACTIVITIES

<i>Date</i>	<i>Activity</i>
1975-TO DATE	TEATCHING
1975-TO DATE	EXAMINING
1975-TO DATE	RESEARCH
2006-2008	Curriculum establishment

ADMINISTRATIVE RESPONSIBILITIES

<i>Date</i>	<i>Position</i>
1996 – 2004	Head Department of Physiology.
2003 – 2006	Vice Dean of Graduate College for Post Graduate Medical Health Sciences Council, University of Khartoum
April 2006 - June 2008	Director of Educational Development Centre for Health Professions (EDC) University of Khartoum:
2012 TODATE	Director of Educational Development Unit for Health Professions (EDU) Nile College

NEW ESTABLISHMENTS

<i>Date</i>	<i>Establishment</i>
2003 – 2006	The initiation of the Post Graduate Medical health Sciences council(first vice dean)
2005	Post graduate laboratory in Physiology Department

OTHER ACTIVITIES

<i>Date</i>	<i>Activity</i>
1998-2007	Teaching in Faculty of Pharmacy and Dentistry
2007	Organization of 2nd Medical Education Internation conference

MEMBERSHIP TO LEARNED SOCIETIES

LOCAL

<i>Status</i>	<i>Association/ Society</i>	<i>Town//Country</i>	<i>Date</i>
President	The Sudanese Association of Physiological Sciences	Khartoum/Sudan	2006-2012
Secretary of cultural office	Sudan Medical Education Association	Khartoum/Sudan	2006- 2008
Member of the Academic Board	Sudan Medical Association	Khartoum/Sudan	2008-2012
Member of Medical Education and Libraries Committee.	Sudan Medical council	Khartoum/Sudan	2006-to date

REGIONAL

Status	Association/ Society	Town/Country	Date
President	African Association of Physiological Sciences (AAPS).	Nairobi/Kenya	2008 –to date

INTERNATIONAL

Status	Association/ Society	Town Country	Date
Member of the Educational Committee	The International Union of Physiological Sciences(IUPS)	USA	2010 -2012
Life Membership	Sudan Studies Association	USA	Since 1992
Member	British physiological society	UK	2012 to date
Member	American Association of physiological sciences	USA	1990 to date

SCIENTIFIC CONFERENCES, MEETINGS & SYMPOSIA ORGANIZATION

Status	Seminar/ meeting/ conference/ Public Lecture	Country	Date
organiser	Nutrition	Kenya	2008
organiser	Small group teaching	JAPAN	24 July-4 August 2009

ORGANISATION OF PROFESSIONAL TRAINING COURSES

Status	Training course/ Symposium	Country	Date
ORGANIZER	Teaching methods,Assissment, teaching and learning,research method,medical statistic, e-learning,curriculum designing,medical ethics and communication skills	sudan	2006-2008

COMMUNICATION TO LEARNED SOCIETIES

Local Conferences & Meetings

Title	Body	Date
El Hassan AM, Saeed AM, Fandrey J, Jelkmann W. Serum erythropoietin level in anemia due to Plasmodium falciparum malaria.	14th Sudanese Physician Conference, Sudan	1994.
Saeed AM, Khalil EA, El Hassan AMA, Hashim FA, El Hassan AM, Fandrey J, Jelkmann W. Erythropoietin level in visceral Leishmaniasis.	The 6th Scientific Conference of the Sudanese Association of Pathologists	1997.
Ballal AM, Saeed AM, Jelkmann W. Erythropoietin level in acute Plasmodium falciparum malaria in relation to proinflammatory cytokines and anti malarial drugs.	Endemic and Infectious Diseases in Sudan Conference, Khartoum, Sudan	2003.

<i>Elbadri OA, Saeed AM. Effect of exposure to cement dust on lung functions of workers at Atbara cement factory.</i>	<i>The 26th Conference of Sudanese Physician</i>	<i>2006.</i>
<i>The challenge of teaching physiology in traditional curricula.</i>	<i>The second international conference in medical education Khartoum, Sudan</i>	<i>March 21th-26th 2007.</i>

Regional Conferences & Meetings

<i>Title</i>	<i>Body</i>	<i>Town Country</i>	<i>Date</i>
<i>Saeed AM and Sukkar MY. Insulin and C-peptide in Bilharzial hepatic fibrosis. Oral presentation</i>	<i>7th Saudi Medical Conference,</i>	<i>Riyadh Saudi Arabia</i>	<i>1983</i>
<i>Mohammed AB, Saeed AM, Jelkmann W. Erythropoietin level in acute Plasmodium falciparum malaria in relation to proinflammatory cytokines and anti malarial drugs. Poster presentation</i>	<i>AAPS 3rd Conference,</i>	<i>South Africa</i>	<i>2000</i>
<i>Elhassan AM, Saeed AM, Ahsan R. Determination of serum prolactin level in normal Sudanese subjects using RIA kit with locally produced second antibody. Oral presentation</i>	<i>Second International Conference on Chemistry and its Applications,</i>	<i>Doha, State of Qatar</i>	<i>6th-9th December 2003</i>
<i>Shommo SA, Zumrawi FY, Alamin AM, Saeed AM. Sugar fortification to combat vitamin A deficiency in Sudan. Oral presentation</i>	<i>4th International congress of the African Associations of Physiology,</i>	<i>Morocco</i>	<i>2004</i>
<i>Hussein MM, Yousif AA, Saeed AM. Serum levels of Selenium, Zinc, Copper and Magnesium in asthmatic patients: a case control study. Oral presentation</i>	<i>AAPS 5th Conference, Nairobi</i>	<i>Kenya</i>	<i>2008</i>
<i>Shommo SA, Zumrawi FY, Saeed AM. The relationship between maternal and newborns serum levels of Fe, Zn and vitamin A and their effects on birth weight. Oral presentation</i>	<i>AAPS 5th Conference, Nairobi,</i>	<i>Kenya</i>	<i>2008</i>

International Conferences & Meetings

<i>Title</i>	<i>Body</i>	<i>Town Country</i>	<i>Date</i>
<i>Saeed AM. Endemic diseases in Sudan. Oral presentation</i>	<i>The 2nd Annual Meeting of the Middle East Studies</i>	<i>North Carolina USA</i>	<i>1993.</i>

	Association,		
<i>Saeed AM Ballal AM, Jelkmann W. Erythropoietin level in acute Plasmodium falciparum malaria in relation to proinflammatory cytokines and anti-malarial drugs. Poster presentation</i>	<i>IUPS 34th Conference,</i>	<i>New Zealand</i>	<i>2001.</i>
<i>Saeed AM, Shommo SA. The effect of fortified sugar on serum retinol and retinol binding protein of school children at risk of vitamin A deficiency.</i>	<i>5th Scientific Congress Federation of Asian and Oceanian Physiological Societies (FAOPS),</i>	<i>Malaysia</i>	<i>2002</i>
<i>Nasir O, Artunc F, Saeed AM, Osman K, Sandulache O, Jahovie N, Boini K, Lang F. Effects of Gum Arabic (Acacia senegal) on water and electrolyte balance in healthy mice Poster presentation.</i>	<i>Conference of German Physiology society and the European Federation of Physiologic Sciences,</i>	<i>Gottingen, Germany.</i>	<i>July 26th_29th 2007</i>
<i>Medani AM, Elnour AS and Saeed AM. Simple goitre epidemiology in Sudan. Poster presentation</i>	<i>Nutrition Forum,</i>	<i>Beijing China</i>	<i>12-15 May 2009.</i>
<i>Saeed AM. The challenge of changing the curriculum in an established medical college.</i>	<i>The 36th Congress of the international Union of Physiological Sciences</i>	<i>Kyoto Japan</i>	<i>24 July-4 August 2009</i>
<i>Bashir AI,Saeed AM, Van de Sande WW, Frede S. Fahal A, Freitag P, Fandrey J. Role of fungal products in the induction of angiogenesis mediated by hypoxia- inducible factor in Mycetoma lesion. Poster presentation</i>	<i>The 36th Congress of the international Union of Physiological Sciences</i>	<i>Kyoto Japan</i>	<i>24 July-4 August 2009.</i>
<i>Nasir O, Wang K, Föller M, Bhandaru M, Sandulache D, Artunc F, Ackermann TF, Ebrahim A, Palmada M, Klingel K, Saeed AM, Lang F. Downregulation of angiogenin transcript levels and inhibition of colonic carcinoma by gum arabic (Acacia senegal). Oral presentation</i>	<i>The world conference on new development in Acacia Gum research and products</i>	<i>Glyndwr University .Wrexham UK .</i>	<i>20th - 22th Sep 2010.</i>
<i>Saeed AM, Nasir O, Artunc F, Wang K, Rexhepaj R, Föller M1, Ebrahim A, Kempe D S, Biswas R, Bhandaru M, Walter M, Mohebbi N, Wagner C A, Lang F1 .Down regulation of intestinal Na⁺-coupled glucose</i>	<i>The world conference on new development in Acacia Gum research and products</i>	<i>Glyndwr University .Wrexham UK .</i>	<i>20th - 22th Sep 2010.</i>

<i>transporter SGLT1 by Gum Arabic (Acacia senegal)</i> <i>Poster presentation</i>			
<i>Nasir O, Ackermann TF, Bhandaru M, Ebrahim A, Artunc F, Anja T. ,Daniela S., KempeU, Goverdhan Puchchakayala G, Balasaheb Siraskar B, Michael FöllerM, Saeed AM, Lang F. Effects of Gum Arabic (Acacia senegal) on renal function in diabetic mice.</i> <i>Oral presentation</i>	<i>The world conference on new development in Acacia Gum research and products</i>	<i>Glyndwr University Wrexham UK</i>	<i>20th - 22th Sep 2010.</i>
<i>Saeed AM, Nasir O, Artonc F, Osman K, Sandulache O, Jahovie N, Boini K, Lang F. Effects of Gum Arabic (Acacia senegal) on water and electrolyte balance in healthy mice.</i> <i>Poster presentation</i>	<i>The world conference on new development in Acacia Gum research and products</i>	<i>Glyndwr University .Wrexham UK</i>	<i>20th - 22th Sep 2010.</i>
<i>Amal M Saeed, Gihan M Sharara andHiba A Awooda. Neuroprotective anti-oxidant of nitric oxide synthase inhibitor in transient cerebral ischemia and reperfusion in rats.</i> <i>Poster presentation</i>	<i>IUPS</i>	<i>Birmingham UK</i>	<i>21-26 July 2013</i>
<i>Hiba A. Awoodal Mohamed F. Lutfi, Sharara G, Amal M. Saeed</i> <i>Role of N-Nitro-L-Arginine-Methylester as anti-oxidant in transient cerebral ischemia and reperfusion in rats.</i> <i>Poster presentation</i>	<i>International Union of Physiological Sciences</i>	<i>Birmingham UK</i>	<i>21-26 July 2013</i>
<i>Hiba A Awooda, Gihan M Sharara and Amal M Saeed. N-nitro-l-arginine-methylester in transient cerebral ischemia and reperfusion in rats.</i> <i>Poster presentation</i>	<i>translational medicine</i>	<i>in United States of America</i>	<i>21-26 July 2013</i>

<i>Saeed A, Awooda H, Sharara G. Neuroprotective anti-oxidant effect of a Nitric Oxide Synthase inhibitor in cerebral injury induced by transient focal ischemia/ reperfusion in rats Poster presentation</i>	<i>7th International Congress of patho-physiology</i>	<i>Rabat Morocco</i>	<i>4-7 September 2014</i>
<i>Amal M. Saeid and Lamis Kaddam Gum Arabic as Novel Anti-oxidant Agent in Sickle Cell Anemia; in vivo study</i>	<i>38th congress of international Union of Physiology</i>	<i>RIO Brazil</i>	<i>1-8 August 2017</i>
<i>Amal M saeed and Sukkar MYA Conceptual framework for learning the basic medial sciences</i>	<i>38th congress of international Union of Physiology</i>	<i>RIO Brazil</i>	<i>1-8 August 2017</i>
<i>Professor Amal M.Saeid, I and Dr. Lamis Kaddam.Gum Arabic as fetal hemoglobin inducing agent in sickle cell anemia; in vivo study</i>	<i>38th congress of international Union of Physiology</i>	<i>RIO Brazil</i>	<i>1-8 August 2017</i>

TEACHING & EXAMINATION EXPERIENCE

Undergraduate

<i>Course Title</i>	<i>Credit hours</i>	<i>Semester/year</i>	<i>Faculty</i>
<i>PHYSIOLOGY I</i>	<i>5</i>	<i>Year one</i>	<i>Medicine</i>
<i>PHYSIOLOGY 2</i>	<i>5</i>	<i>Year two</i>	<i>Medicine</i>
<i>PHYSIOLOGY3</i>	<i>5</i>	<i>Year two</i>	<i>Medicine</i>
<i>PHYSIOLOGY</i>	<i>3</i>	<i>Second year</i>	<i>Pharmacy and dentistry</i>

Postgraduate

<i>Course Title</i>	<i>Credit hours</i>	<i>Semester/year</i>	<i>Faculty</i>
<i>Renal physiology</i>	<i>5</i>	<i>First year</i>	<i>Medicine</i>
<i>Endocrine physiology</i>	<i>5</i>	<i>Second year</i>	<i>Medicine</i>
<i>reproductive</i>	<i>5</i>	<i>Second year</i>	<i>Medicine</i>

Course Organiser/Supervision

<i>Course Title</i>	<i>Credit hours</i>	<i>Semester/year</i>	<i>Faculty</i>
<i>Renal physiology</i>	<i>3</i>	<i>Year two</i>	<i>Medicine</i>
<i>Endocrine physiology</i>	<i>3</i>	<i>Year two</i>	<i>Medicine</i>
<i>reproductive</i>	<i>2</i>	<i>Year two</i>	<i>Medicine</i>

Examinations

Undergraduate

<i>Status</i>	<i>Course Title</i>	<i>Faculty</i>	<i>University</i>	<i>Date</i>
<i>Internal Examiner</i>	<i>Physiology</i>	<i>Medicine ,pharmacy and Dentistry</i>	<i>Khartoum</i>	<i>1989to date-</i>
	<i>physiology</i>	<i>Faculty of Medicine and dentistry</i>	<i>the Medical College of Khartoum Academy for Health Sciences.</i>	<i>2004 up todate</i>
	<i>Physiology</i>	<i>Faculty of Medicine and dentistry</i>	<i>Nile college</i>	<i>2008 up todate</i>
	<i>Physiology</i>	<i>Faculty of Medicine and dentistry</i>	<i>Karari university</i>	<i>2012 up to date</i>
	<i>Physiology</i>	<i>Faculty of Medicine and dentistry</i>	<i>Mogtarebeen</i>	<i>2012 up to date</i>
	<i>Physiology</i>	<i>Faculty of Medicine</i>	<i>Ahfad</i>	<i>2005 to 2014</i>
<i>External Examiner</i>	<i>Physiology</i>	<i>Medicine</i>	<i>Elrazi, Alneelain Juba,Shendi .Kordufan ,Upper Nile, Bahr Elgazal University Medical college.</i>	<i>1992- to date</i>

Examinations

Postgraduate

<i>Status</i>	<i>Course Title</i>	<i>Faculty</i>	<i>University</i>	<i>Date</i>
<i>Internal Examiner</i>	<i>Master in physiology</i>	<i>Medicine</i>	<i>Khartoum</i>	<i>1996-to date</i>
<i>Internal examiner</i>	<i>Post graduate basic science course</i>	<i>Specialization Council</i>	<i>Ministry OF Higher Education</i>	<i>19 97- to date</i>
<i>Internal examiner for PhD</i>	<i>Human Neuromuscular Jitter,Method of Measuerment in Patients with Myathenia Gravis</i>	<i>Medicine</i>	<i>University of Khartoum</i>	<i>2011</i>
<i>External examiner for PhD</i>	<i>The Prevalence of Obesity among females in Wad Madani</i>	<i>Medicine</i>	<i>Jazira</i>	<i>2012</i>
<i>External examiner for MSc</i>	<i>Master degree by courses</i>	<i>Medicine</i>	<i>Rebat</i>	<i>2002</i>

*Examination
Professional*

<i>Status</i>	<i>Course Title</i>	<i>Body</i>	<i>Country</i>	<i>Date</i>
<i>Invited examin�</i>	<i>First part FRCS</i>	<i>Royal College</i>	<i>Sudan</i>	<i>1990- 1994</i>
<i>Invited examin�</i>	<i>INTERCOLLEGIATE MRCS PART B</i>	<i>ROYAL COLLEGES</i>	<i>Sudan</i>	<i>2011 up to date</i>

SUPERVISION OF RESEARCH

Postgraduate

Master

<i>Student</i>	<i>Thesis Title</i>	<i>University</i>	<i>Date</i>
<i>Afaf M Elhassan</i>	<i>Serum erythropoietin level in anemia due to Plasmodium falciparum malaria,</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>(1994).</i>
<i>Adil Ballal Mohamed</i>	<i>Erythropoietin level in acute Plasmodium falciparum malaria in relation to proinflammatory cytokines and antimalarial drugs,</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>(1998).</i>
<i>Ihsan Mustafa Mirgani</i>	<i>The impact of meat consumption on the hemoglobin level in the teenagers of Khartoum State,</i>	<i>Ahfad University for Women</i>	<i>(1999).</i>
<i>Suhair AM Shommo</i>	<i>Assessment of vitamin A status of Khalwa students before and after consuming sugar fortified with vitamin A,</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>(2001).</i>
<i>Ammar M.A. Hassan</i>	<i>Local production of donkey anti-rabbit's sera for human prolactin radioimmunoassay,</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>(2002)</i>
<i>Hanadi Abdlgadir</i>	<i>Relation of body fat distribution and lipid profile to the plasma level of inflammatory markers.</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>(2009).</i>
<i>Saida Abd Elkareem Omer</i>	<i>The effect of magnetic field exposure on serum electrolytes and tissues histology in rats</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>(2010)</i>
<i>Suzan Hassan Alhakeem</i>	<i>Ultrasonographic assessment of the caudate lobe in patients with Symmer's periportal fibrosis compared to normal Sudanese subjects,</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>(1995).</i>
<i>Wisal Ali Abbas</i>	<i>Estimation of serum ferritin level in higher</i>	<i>Faculty of Medicine</i>	<i>(1998).</i>

	<i>secondary school girls,</i>	<i>University of Khartoum</i>	
<i>Yasir Abdelaziz</i>	<i>The effect of benzene inhalation on lung functions tests,</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>(1998).</i>
<i>Nadia Omer</i>	<i>Evaluation of nutritional and iron status in children in Mygooma orphanage house,</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>(2000).</i>
<i>Omer Abdalla Elbedri</i>	<i>Effect of exposure to cement dust on lung function at Atbara cement factory,</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>(2003).</i>
<i>Humeda Suekit Humeda Mohamed</i>	<i>Noise induced hearing loss among workers in Khartoum airport,</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>(2003).</i>
<i>Nossiba Sayed Awad AlKareim</i>	<i>Lung function tests of traffic policemen,</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>(2003)</i>
<i>Maha Mohammed Abdelaziz</i>	<i>Serum calcium level in students In Khartoum College of Medicine</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>(2005)</i>
<i>Eman Abdo Elaziz Ahmad</i>	<i>Electrocardiography in Sudanese athletes,</i>	<i>University of Khartoum</i>	<i>(2007)</i>
<i>Muna Abu Auf Al Amin</i>	<i>The relationship between body mass index and ejection fraction in echocardiography,</i>	<i>University of Khartoum</i>	<i>(2007).</i>
<i>Rasha Elhag</i>	<i>Effect of Gum Arabic on BMI in Sudanese girls</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>(2010)</i>
<i>Abda Abd Alkarem:</i>	<i>Vitamin A status in children aged 6-13 years in Dongla town - North Sudan</i>	<i>Faculty of Education University of Khartoum</i>	<i>(2004).</i>
<i>Ali Mohammed Abd Allah Yahia</i>	<i>The effect of mosquitoes and flies on refugees' health,</i>	<i>Diploma in Studies on Displacement and Natural Disasters, International University of Africa</i>	<i>(2005).</i>
<i>Hind Abdallah Modawi Elamin</i>	<i>The effect of Gum Arabic on plasma Sodium, potassium and calcium in normal subjects</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2010</i>
<i>Muhanad Elhafez</i>	<i>The Effect of Gum Arabic on Human Coagulation</i>	<i>Faculty of Medicine</i>	<i>2010</i>

<i>Abdalla Salih</i>	<i>System</i>	<i>University of Khartoum</i>	
<i>Maha HassanOsman Dahawi</i>	<i>Invitro evaluation of Gum Arabic as an Antilishmanialg and presrvative</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2010</i>
<i>Mohammed Ahmad Mohammed Oshi</i>	<i>The effect of Cigarette Smoking on Fasting Plasma Glucose and Cholestrol on Apparently Healthy Adults</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2010</i>
<i>Ejlal Abbas Abdelgadir Hamd</i>	<i>The Status of Trace Elements after Menopause :A Comparative Study</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2010</i>
<i>Amna Mohamed</i>	<i>Iron Deficiency Aneamia in Adolescent Secondary School Girls in Bahry Locality in khartoum state</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2015</i>
<i>EBTIHAL Kamal Obied</i>	<i>Potential roule of Gum Arabic as immune modulator in Sudanese patients with Rheumatoid Arthritis</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2017</i>
<i>Muhanad E.Abdalla</i>	<i>The Effect of Gum Arabic on Coagulation</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2012</i>
<i>Mona Adnan</i>	<i>Effect of regular ingestion of Gum Arabic (Acacia Senegal) on the BMI and lipid profile</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2013</i>

*Postgraduate
PhD*

<i>Student</i>	<i>Thesis Title</i>	<i>University</i>	<i>Date</i>
<i>Lamis Abdel Gadir Kaddam</i>	<i>Potential Role of Gum Arabic in Induction of Fetal Hemoglobin in Sudanese Sickle Cell Patients</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2015</i>
<i>Osman Saeed Osman Mahmoud</i>	<i>Nonalcoholic Fatty Liver Disease in Obesity: the role of eating Habits, Hypoxia, Gastrointestinal and Adiposity Hormones in adult Sudanese</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2014</i>
<i>Hiba Awwoda</i>	<i>Neuroprotective Potential of L-NAME as Anti-Oxidant and Anti-Inflammatory in Cerebral Injury Induced By Transient Focal Ischemia Reperfusion in Rats</i>	<i>Faculty of Medicine University of Neelain</i>	<i>2013</i>
<i>Hind Mamoun Behairy</i>	<i>Evaluation of Serum Cystatin C as an indicator of Glomerular Filtration Rate and its correlation to other biomarkers in detection of pre-eclampsia</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2013</i>

<i>Magboula Maamoun</i>	<i>Serum level of zinc, copper, selenium and magnesium in asthmatic patients presenting to Al shaab teaching hospital in Khartoum</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2011</i>
<i>Adil Ballal Mohamed</i>	<i>Induced erythrocyte suicidal death and its effects on the proliferation and survival of Plasmodium berghei infected mice: Role of amphotericin B and gum Arabic</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2010</i>
<i>Nasr Eldin Osman</i>	<i>Serum level of iron, ferritin, vitamin A, zinc, copper, selenium and magnesium in pregnant women and cord blood and its relation to outcome of pregnancy in Yemen</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2010</i>
<i>Abdel Hafez Ibraim Bashir</i>	<i>Role of Mycetoma products in induction of angiogenesis mediated via hypoxia-inducible factor-1</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2010</i>
<i>Tarig Hakim:</i>	<i>The effect of passive smoking on spirometric Lung function tests and its relation to inflammatory markers level in plasma in healthy non smokers school children in Khartoum</i>	<i>Faculty of Medicine University of Khartoum</i>	<i>2009</i>
<i>Abdel Mounim Mohamed Hassan</i>	<i>A map of iodine deficiency in Sudan,</i>	<i>Sudan Academy of Sciences</i>	<i>2008</i>
<i>Omaima Dahab Sayed Nasir</i>	<i>Physiological effects of kinases, pioglitazone and Gum Arabic on renal functions in mice,</i>	<i>Faculty of Science University of Khartoum</i>	<i>2007</i>
<i>Sohair Ali Mohamed Shommo: PhD degree in Home Sciences,</i>	<i>The relationship between micronutrients Fe, Zn, and vitamin A to dietary intake of pregnant women and their newborns,</i>	<i>Faculty of Education University of Khartoum.</i>	<i>2007</i>
<i>Co supervisor : Mariam Yosif Ibraheem:</i>	<i>The effect of thermal, nutritional factors and medicinal plants on diabetic rabbits.</i>	<i>Veterinary College, University of Khartoum</i>	<i>2008</i>
<i>Cosupervisor: Sadig Mohammed Abd Elhalim:</i>	<i>دراسة عن هرمون التستوستيرون وعلاقته بالذكاء والسلوك العدواني عند الأطفال الجانحين</i>	<i>PhD degree in Psychology, Faculty of Art, University of Khartoum,</i>	<i>2009</i>

GRANTS OBTAINED FOR RESEARCH PROJECTS

<i>Proposal Title</i>	<i>Granting Body/country</i>	<i>Amount</i>	<i>Date</i>
<i>Serum level of zinc, copper, selenium and magnesium in asthmatic patients presenting to AI shaab teaching hospital in Khartoum</i>	<i>Ministry of Higher Education</i>	<i>10000000</i>	<i>2008</i>
<i>Serum erythropoietin level in anemia due to Plasmodium falciparum malaria,</i>	<i>DAAD</i>	<i>MSc Scholarship</i>	<i>1992</i>
<i>Erythropoietin level in acute Plasmodium falciparum malaria in relation to proinflammatory cytokines and antimalarial drugs,</i>	<i>DAAD</i>	<i>MSc Scholarship</i>	<i>1996</i>
<i>The effect of magnetic field exposure on serum electrolytes and tissues histology in rats</i>	<i>DAAD</i>	<i>MSc Scholarship</i>	<i>2008</i>
<i>Role of Mycetoma products in induction of angiogenesis mediated via hypoxia-inducible factor-1</i>	<i>DAAD</i>	<i>PhD Scholarship</i>	<i>2006</i>
<i>The effect of passive smoking on spirometric Lung function tests and its relation to inflammatory markers level in plasma in healthy non smokers school children in Khartoum</i>	<i>DAAD</i>	<i>PhD Scholarship</i>	<i>2006</i>
<i>Physiological effects of kinases, pioglitazone and Gum Arabic on renal functions in mice,</i>	<i>DAAD</i>	<i>PhD Scholarship</i>	<i>2004</i>

GENERATION OF FUNDS

<i>Fund</i>	<i>Body/country</i>	<i>Amount</i>	<i>Date</i>
<i>REGIONAL WORKSHOP</i>	<i>WHO</i>	<i>5000000USD</i>	<i>2007</i>

COMMUNITY ACTIVITY

<i>Action</i>	<i>Body/country</i>	<i>Date</i>
<i>Oral presentation (NUTRITION HEALTH)</i>	<i>SUDAN/Heraa association</i>	<i>2008</i>

PUBLICATIONS

Publications List

<i>Authors, title, journal, date, issue, no, pages, Journal impact</i>
<i>Saeed AM, Munshid HA, Sukkar MY, Abdelwahab SM. Insulin and glucose levels in acute and chronically uremic rats. J. Endocr. 1978; 77:151-152 IF=3.59</i>

<i>Saeed AM, Sukkar MY. Insulin and C-Peptide changes in Bilharzial hepatic periportal fibrosis. Sudan Medical Journal 1993; 3:49-66.</i>
<i>El Hassan AM, Saeed AM, Fandrey J, Jelkmann W. Decrease erythropoietin response in Plasmodium falciparum malaria associated anemia. European Journal of Hematology 1997; 59:299-304. IF=2.14</i>
<i>Saeed AM, Khalil EA, Elhassan AM, Hashim FA, El Hassan AM, Fandrey J, Jelkmann W. Serum erythropoietin concentration in anemia of visceral Leishmaniasis (Kala-azar) before and during antimonial therapy. British Journal of Hematology 1998; 100:720-724 IF=4.95</i>
<i>Elhassan AM, Ahsan R, Nagi I, Saeed AM. Serum prolactin level in healthy Sudanese subjects. Sudan Medical Journal 2008; 44:24-28.</i>
<i>Nasir O, Artonc F, Saeed AM, Osman K, Sandulache O, Jahovie N, Boini K, Lang F. Effects of Gum Arabic (Acacia senegal) on water and electrolyte balance in healthy mice. Journal of Renal Nutrition 2008; 18(2):230-238 IF=2.55</i>
<i>Elbadri O, Saeed AM. Effect of Exposure to cement dust on lung functions of workers at Atbara cement factory. Khartoum Medical Journal 2008; 1 (2):81-84.</i>
<i>Hussein MM, Yousif AA, Saeed AM. Serum level of Selenium, Zinc, Copper and Magnesium in asthmatic patients: a case control study. Sudan Journal of Medical Sciences 2008; 3(1):45-48</i>
<i>Humeda SH, Saeed AM. Noise induced hearing loss among Khartoum international airport employees. Sudan Journal of Medical Sciences 2008; 3(3):197-199.</i>
<i>Shommo SA, Zumrawi FY, Alamin AM, Saeed AM. The effect of fortified sugar on serum retinol and retinol binding protein of school children at risk of vitamin A deficiency in Sudan. Sudan Journal of Medical Sciences 2008; 3(1):1-5.</i>
<i>Saeed AM and Fahal AH. Educational Development Centre for Medical and Health professions, Faculty of Medicine. Recommendations of Second International Medical Education Conference 21-26 March 2007. Khartoum Medical Journal 2008; 1(2):95-96.</i>
<i>Ballal A, Saeed AM, Rouina P, Jelkmann WF. Effects of chloroquine treatment on circulating erythropoietin and inflammatory cytokines in acute Plasmodium falciparum malaria. Annals of Hematology 2008; 88:411-415. IF=2.4</i>
<i>Ahmad E and Saeed AM. ECG finding in Sudanese athletes: A Pilot Study. Sudan Journal of Medical Sciences 2009; 4(3):43-46</i>
<i>Abd-Elgadir S H, Ballal A and Saeed AM. Body fat distribution, lipid profile and fasting blood glucose level in young obese Sudanese females. Sudan Medical Journal 2009 ; 45(2):40-48</i>

Nasir O, Wang K, Föller M, Sandulache D, Artunc F, Ackermann T, Ebrahim A, Palmada M, Klingel K, Saeed AM, Lang F. Down regulation of angiogenin transcript levels and inhibition of colonic carcinoma by Gum Arabic (*Acacia senegal*). *Nutrition and Cancer* 2010 ;62(6) :802-810 IF=2.63

Nasir O1, Artunc F2, Wang K1, Rexhepaj R1, Föller M1, Ebrahim A1, Kempe D S1, Biswas R1, Bhandaru M1, Walter M3, Mohebbi N4, Wagner C A4, Saeed AM5, Lang F1 .Down regulation of intestinal Na⁺-coupled glucose transporter SGLT1 by Gum Arabic (*Acacia senegal*). *Cell Physiol and Biochem* 2010; 25(2-3):203-210. IF=3.55

Hassan A/Monaim, Elnour A/Salam and Saeed A M. Endemic goiter in Sudan: Status after a quarter of a century of initiation of IDD Control Programs. *Bulletin of the World Health Organization* 2010. (*Bulletin of the World Health Organization*; Type: Research Article ID: BLT.09.075002) IF=5.46

Adil Ballal^{1,2} Diwakar Bobbala¹, Syed M Qadri¹, Michael Föller¹, Daniela Kempe¹, Omaina Nasir¹, Amal Saeed² and Lang F. Antimalarial effect of gum Arabic . *Malaria Journal* 2011, 10:139-146 IF=3.49

Nasir O, Ackermann TF, Bhandaru M, Ebrahim A, Artunc F, Anja T. , Daniela S., Kempe U, Goverdhan Puchchakayala G, Balasaheb Siraskar B, Michael Föller M, Saeed AM, Lang F. Effects of Gum Arabic (*Acacia senegal*) on renal function in diabetic mice. *Kidney Blood Press Res.* 2012: DOI: 10.1159/000336359 2012(abstract published) IF=1.82

Merghani TH and Saeed A M. The relationship between regular second-hand smokers exposure at home and indicators of lung function in healthy school boys in Khartoum. *Tobacco Control* published online February 10, 2012 (doi: 10.1136/tobaccocontrol-2011-050169) Published by group.bmj.com. IF=5.15

Merghani TH, Alawad A, and Saeed AM. Changes in Plasma IL4, TNF α and CRP in Response to Regular Passive Smoking at Home among Healthy School Children in Khartoum, Sudan. *African Health Sciences* 2012;12:664-670 IF=0.66

Merghani TH, Alawad A, and Saeed A M. Impact of Regular Passive Smoking in Home on Health and Academic Performance of School-Pupils in Khartoum. *Al Neelain Medical Journal* 11/2011 (Accepted)

Omer SA, Sulieman A, Ayad CE, Osman HM, Abdulrahman MA and Saeed AM Effects of Repetitive Static Magnetic Field Exposure on Serum Electrolytes and Histology of Certain Tissues of Swiss Albino Rats . *OMICS Journal of Radiology* 2012, 1:2 <http://dx.doi.org/10.4172/roa.1000104> IF=

Rasha Babiker^{1*}, Tarig H Merghani², Khalifa Elmusharaf³, Rehab M Badi⁴, Florian Lang⁵ and Amal M Saeed⁴. Effects of gum Arabic ingestion on body mass index and body fat percentage in healthy adult females: two-arm randomized, placebo controlled, double-blind trial. *Nutrition Journal* 2012, 11:111 IF=2.64

<p>Abdel Monim MH Medani, Abdelsalam A Elnour and Amal M Saeed .Excessive iodine intake, water chemicals and endemic goitre Public Health Nutrition 2012; page 1 of 7 doi:10.1017/S1368980012004685 IF=2.48</p>
<p>Hiba A. Awooda¹, Mohamed F. Lutfi¹, Sharara G, Amal M. Saeed Role of N-Nitro-L-Arginine-Methylester as anti-oxidant in transient cerebral ischemia and reperfusion in rats. IF= Experimental & Translational Stroke Medicine 2013, 5:1 http://www.etsmjournal.com/content/5/1/1</p>
<p>Sami A. Khalida,^b Abdelrahman M. Musac,^d Amal M. Saeedd, Elsir A. Abugroune, Elamin O. Sid Ahmedf, Mohamed B. Ghalibg, Elamin I. Elnimab, Suaad Y. Alkaribh, Tagelsir Mustafa Abdelsalami, Abdelmagid Abdelgaderi, Glyn O. Phillipsj, Aled O. Phillips Manipulating dietary fibre: Gum Arabic making friends of the colon and the kidney Bioactive Carbohydrate and Dietary fibres.2014;3: 71-76 Available online at www.sciencedirect.comIF=</p>
<p>Abdalla M Abdullatif ,MariamY Ibrahim and Amal S Mahmoud Antidiabetic Effects of Fenugreek(<i>Trigonella foenum-graecum</i> Seeds in the Domestic Rabbit (<i>Oryctolagus cuniculus</i>) Research Journal of Medicinal Plant 2012 ; 6(6):449-455 IF=1.28</p>
<p>Saeed A Physiology in Africa Physioliology News 2011</p>
<p>Nasr-Addin Bahakim¹, Towfik Albusyli² and Amal Saeed^{3*} Micro-nutritional Status of Yemeni Pregnant Women and Its Effect on the Outcome of Pregnancy European Journal of Nutrition & Food Safety 5(5): 1087-1088, 2015, Article no.EJNFS.2015.445 ISSN: 2347-5641 SCIENCEDOMAIN international www.sciencedomain.org</p>
<p>.Hiba A Awooda, Gihan M Sharara , Nepton Soltani , Amal M Saeed Oxidative / Nitrosative Stress in Rats Subjected To Focal Cerebral Ischemia/Reperfusion. International Journal of Health Sciences, Qassim University, Vol. 9, No. 1 (Jan-Mar 2015) available online at: http://www.ncbi.nlm.nih.gov/pubmed/25901129</p>
<p>Sohair AM Shommo, Faiza Y Zumrawi, Amal M Saeed.Micronutrients Dietary Intakes of Pregnant Sudan; 4(4):1425-1430 Paper ID: SUB153443 IF=4.438</p>

Hiba A Awooda, Gihan M Sharara and Amal M Saeed Tumor Necrosis Factor- α and Nuclear Factor Kappa- β Expression in Rats Following Transient Focal Cerebral Ischemia Reperfusion. *International Journal of Clinical and Experimental Neurology*, 2014, Vol. 2, No. 2, 40-46. Available online at <http://pubs.sciepub.com/ijcen/2/2/4>

Muhanad E.Abdalla, Rehab M.Badi, Aimun AE. Ahmed, Amal M.Saeed..Human in vivo study: The Effect of Gum Arabic on Coagulation Cascade. *International Research Journal of Pharmaceutical and Applied Sciences (IRJPAS)* 2014; 4(6):5-8
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Dr. Nasraddin O. Bahakim¹, Prof. Amal Mahmoud Saeed², Dr. Towfik Albusaili³ ZINC STATUS OF YEMENI PREGNANT WOMEN AND ITS EFFECTS ON THE OUTCOME OF PREGNANCY

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Lamis Kaddam¹*, Imad FdleAlmula², Omer Ali Eisawi³, Haydar Awad Abdelrazig⁴, Mustafa Elnimeiri⁵, Florian Lang⁶ and Amal M. Saeed⁷

Gum Arabic as fetal hemoglobin inducing agent in sickle cell anemia; in vivo study

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Lamis Kaddam¹*, Imad Fadel-Elmula², Omer Ali Eisawi³, Haydar Awad Abdelrazig⁴, Mohammed Abdelraman Salih⁵, Florian Lang⁶ and Amal M. Saeed⁷

Gum Arabic as novel anti-oxidant agent in sickle cell anemia, phase II trial. *BMC Hematology* (2017) 17:4
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1Hind M Beheiry, 2Ibrahim A Ali, 3Hiba A Awooda, 4Duria A. M. Rayis, 5Ibtisam Ahmed Ali and 6Amal M Saeed
EVALUATION OF THYROID STIMULATING HORMONE AND FREE THYROXINE AND THEIR CORRELATIONS WITH OTHER BIOMARKERS IN SUDANESE PRE-ECLAMPTIC CASES *International Journal of Current Research*

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*Rasha Babiker*1, Khalifa Elmusharaf 2, Michael B. Keogh3, Amin S. I. Banaga4, AmalM. Saeed5
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Randomized, placebo controlled double blind trial
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Saeed AM, El Hassan A, Gasim EA, Fandrey J, Jelkmann W. Association between serum erythropoietin level and anemia of Plasmodium falciparum malaria and Kala-azar in Sudan. The Clinical Investigator 1994; 72(5): B 19 Abstract No. 64.

El Hassan AM, Saeed AM, Fandrey J, Jelkmann W. Serum erythropoietin level in anemia due to Plasmodium falciparum malaria. European Journal of Physiology (Arch) 1994; 426(6):521

*Saeed AM, Khalil EA, El Hassan AM, Hashim FA, El Hassan AM, Fandrey J, Jelkmann W. Erythropoietin level in visceral Leishmaniasis before and during antimonial therapy. Annals of Hematology 1997; 74(5): A175 Supplement
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Textbooks or Book - chapter

Authors, title, book, author, publisher, date, pages

*Static Magnetic Field and its Effects on Electrolyte and Tissue Histology in Rats
Saida omer
Amal saeed
Lamberg Academic Puplishing*

*Effect of Passive Smoking on School Children
Tarig Hakim and Amal M Saeed
Lamberg Academic Puplishing*

Textbooks & Journal Referee

<i>Journal/ Textbook</i>	<i>Date</i>
<i>Advances in Physiology Education (A publication of the American Association of Physiological Sciences (APS)).</i>	<i>1996-2012</i>
<i>Khartoum Medical Journal.</i>	
<i>Juba University Journal. Faculty of Medicine, Juba University.</i>	<i>2007</i>
<i>Juba University Journal for Arts and Science (Jujas).</i>	<i>2005</i>
<i>Sudan Medical Journal</i>	<i>2005</i> <i>2010</i>
<i>Animal Biology</i>	<i>2011</i>
<i>Journal of African Association of physiology JAAP</i>	<i>2012</i>