



Hiba Baha Eldin Sayed Omer

PhD., MSc.

Assistant Professor

Department of Physics

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PERSONAL DATA

Full Name:	Hiba <i>First</i>	Baha Eldin <i>Father</i>	Sayed <i>Grandfather</i>	Omer <i>Family Name</i>
	عمر <i>اسم العائلة</i>	سعيد <i>اسم الجد</i>	بهاء الدين <i>اسم الاب</i>	هيه <i>الاسم الاول</i>
Nationality:	Sudanese			
Date of Birth:	0	9	/	0
	<i>D</i>	<i>D</i>		<i>M</i>
				<i>M</i>
			1	9
			<i>Y</i>	<i>Y</i>
				<i>Y</i>
				<i>Y</i>
Place of Birth:	Egypt			
Marital Status:	Married			
UD Employee ID:	400502		Date of Joining:	09/09/2012
Department:	Physics			
Official UD email:	hbomer@ud.edu.sa		Other email:	hibaha@yahoo.com
Office Tel. No.	33143			
Mobile No.	0563288758			
Home Tel. No.	(13)8271321			

Language Proficiency:

Language:	Read	Write	Speak
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
Others (Greek)	Fair	Fair	fair

ACADEMIC QUALIFICATIONS: (beginning with the most recent)

Date	Academic Degree	Specialty	Institute	Country
October 2009	PhD.	Medical Physics	University of Thessaly	Greece
October 1999	MSc.	Medical Physics	Aberdeen University	U.K
January 1994	BSc.	Mathematics&Physics		Sudan

PhD, Master or Fellowship research title: (Academic honors or distinctions)

PhD:	Monte Carlo Techniques for Electron Radiotherapy
Master:	Electron Beam in Helax-TMS
Fellowship:	

PROFESSIONAL RECORD: (beginning with the most recent)

University Appointments

from	to	Academic Posts	Specialty/Department	Institute & Country
2012	Date	Assistant Professor	Physics/Medicine	University of Dammam KSA
2009	2012	Assistant Professor	Physics	Ahfad University for Women (AUW) Sudan
1999	2009	Lecturer	Physics, study skills	AUW Sudan
1999	2012	Visiting lecturer & external examiner	Medical Physics	Sudan University of Science and Technology

Hospital Appointments

from	to	Hospital Title	Institution

Specialty:	
Subspecialty:	
Areas of Expertise:	
Saudi Commission for Health Specialties registration No.	
Valid until:	

Clinical Responsibilities:

1.	
2.	
3.	
4.	

RESEARCH ACHIEVEMENTS (beginning with the most recent) Your name should be bold & use rows as necessary

Published Refereed Scientific Research Papers: (use Vancouver Style, "author-number system")

1.	H. Omer , O Nasir and A. Sulieman (2012): Evaluation of single field electron beams for postmastectomy radiotherapy. <i>Journal of Analytical Oncology</i> , 1, 175-180
2.	H. Omer and A. Sulieman (2012) Simulation of ELEKTA SL18 beams for electron radiotherapy. <i>Asian Journal of Medical and Clinical Sciences</i> Vol. 1 issue 2 pp 49-52
3.	Badreldin M.A Elhag, Hiba Omer and Abdelmoneim Sulieman (2012) Estimation of Pediatric Radiation Doses in Intravenous Urography (2012); <i>Asian Journal of Medical and Clinical Sciences</i> Vol. 1 issue 1 pp 4-8
4.	Hiba B. S. Omer , Elmugheira H. Salim, Badreldin M.A Elhag and Abdelmoneim A. Sulieman (2012) Monte Carlo Techniques in Radiation Medicine. <i>Asian Journal of Medical and Clinical Sciences</i> Vol. 1 issue 1
5.	H. Omer and A. Sulieman: Constraints and Common Techniques in Postmastectomy Radiotherapy (2011) <i>Journal of Science and Technology</i> , Vol. 12 (1) pp 122-133
6.	Omer H , Sulieman A, Theodorou K, Kappas C. (2006): The Role of Medical and Biophysics Education. <i>International Journal for Scientific Research</i> ; vol. 15 pp 57-65
7.	Sulieman A, Omer H , Theodorou K, Kappas C. (2006): Review on intra and inter-fraction tumor motion measurements for radio-therapy. <i>International Journal for Scientific Research</i> ; vol. 15 pp 41-55

Refereed Scientific Research Papers Accepted for Publication:

	Name of Author/s	Research Title	Journal	Acceptance date
1.				
2.				
3.				
4.				
5.				

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences:

(use Vancouver system)

1.	Hiba Omer ; Risks of Lung Fibrosis and Pneumonitis Using Electron Beams for Postmastectomy Radiotherapy.
2.	Hiba Omer , Khalid Alzimami and Abdelmoneim Sulieman: XSTING, software for evaluation of radiotherapy planning performed by BEAM
3.	Sulieman A, Elzaki M, Alzimami K and Omer H : Evaluation of Patient Dose and Radiogenic Risks During Endoscopic Retrgrade Cholangiopancreato-graphy in Sudan
4.	Alzimami K, Sulieman A' Gafar R, Omer H , Radiation dose measurements and risk estimation for patients and staff during cardiac catheterization
5.	Abdelmoneim Sulieman,, Khalid Alzimami, Hiba Omer , Tamador Bakri, Occupational and ambient exposure from patients treated with iodine-131
6.	Abdelmoneim Sulieman, Hiba Omer , Khalid Alzimami, Rasha Jafar, I. I. Sulieman Occupational exposure in coronary angiography procedures

Scientific Publications (Books, Translations, Chapter in Books, etc.)

(use Vancouver system and include only refereed books)

1.	Hiba Omer , Monte Carlo Techniques for Electron Radiotherapy Number: 46074 ISBN: 978-3-8484-2846-5 LAMBERT Academic Publishing GmbH & Co. KG
2.	
3.	
4.	

Completed Research Projects:

	Name of Investigator/s	Research Title	Report Date	Funding source & Amount
1.				
2.				
3.				
4.				

Current Research:

	Name of Investigator/s	Research Title
1.		
2.		
3.		
4.		

Scientific Reports

	Name of Authors	Research Title	Submitted to
1.			
2.			
3.			
4.			

Contribution to Scientific Journals as a Reviewer or as a Member in the Editorial Board:

	Type of contribution	Journal	Institution	Country	from	to
1.						
2.						
1.						
3.						

Research Areas of Interest

2.	Simulation in radiotherapy
3.	Radiobiology
4.	Different educational approaches
5.	

Patents:

1.	
2.	

CONTRIBUTION TO SCIENTIFIC CONFERENCES & SYMPOSIA: *(beginning with the most recent)*

	Title	Place and date of the conference	Extent of contribution (attendant, speaker, or organizer)
1.			
2.			
3.			
4.			

MEMBERSHIP OF SCIENTIFIC AND PROFESSIONAL SOCIETIES AND ORGANIZATIONS:

International:

	Type	Society / council	Address	Date
1.	Member	International Federation of University Women		
2.	Member	Organization for Women in Science for the Developing World (OWSD)		
3.	Member	European Society for Therapeutic Radiology and Oncology- ESTRO		

4.	Member	Member of Scientists without Border Organization		
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National:

	Type	Society / council	Address	Date
1.	Member	Sudanese Academy for Young Scientists (SAYS)		
2.	Member	Women Initiative Group		

Awards and Honors:

	Awards and Honors:	International / National organization	Date
1.			
2.			

TEACHING ACTIVITIES: *Delivering Lecture/Workshops & other Teaching Methods*

Undergraduate:

	Course/Rotation Title	No./Code	Extent of contribution (no of lectures/tutorials. Or labs, clinics)
1.	Physics for Science Discipline		Lectures and labs
2.	Physics for Arts Discipline		lectures
3.	Biomechanics		lectures
4.	Study skills		lectures

Brief description of undergraduate courses taught: (Course Title – Code: description)

1.	Physics for Science Discipline: basic concepts of Physics for first year students, Ahfad University for Women
2.	Physics for Arts Discipline: basic concepts of Physics for first year students, Ahfad University for Women
3.	Physics for Physiotherapy: physics applications in Biomechanics
4.	Study skills: basic skills in reading, writing and preparing for exams

Postgraduate:

	Course/Rotation Title	No./Code	Extent of contribution (no of lectures/tutorials. Or labs, clinics)
1.	Physics in Medicine		lectures
2.			
3.			

Brief description of postgraduate courses taught: (Course Title – Code: description)

1.	Physics in Medicine for MSc. In medical Physics, explaining the Physics concepts of our bodies and how these concepts are useful in Medicine
2.	
3.	

Course Coordination:

	Course Title & Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
1.							
2.							
3.							
4.							

Guest/Invited Lectures for Undergraduate Students:

	Course Title & Code	Subject	College & University	Date
1.				
2.				
3.				
4.				

Guest/Invited Lectures for Postgraduate Students:

	Activity/Course Title & Code	Subject	College & University or program	Date
1.	MSc. In Medical Physics	Physics in Medicine	Sudan University for Science and Technology	2010-2012
2.				
3.				

Student Academic Supervision and Mentoring:

	Level	Number of students	from	to
1.				
2.				
3.				

Supervision of Undergraduate Student Research:

	From – to	Level & course	Title	No. of students
1.				
2.				

Supervision of Master and/or PhD Thesis:

	Degree Type	Title	Institution	Date
1.				
2.				
3.				

Ongoing Research Supervision:

	Degree Type	Title	Institution	Date
1.				
2.				
3.				

Participation in Examinations (as an External/internal examiner)

	External/internal	College & University or program	Specialty	Date
1.	Internal	Health Sciences/ community health and physiotherapy		2010-2012

2.	External	Sudan University for Science and Technology	Medical Physics	2010-2012
3.	External	Alneelain University	Medical Physics	2010-2012

ADMINISTRATIVE RESPONSIBILITIES, COMMITTEE MEMBERSHIP & COMMUNITY SERVICE:

(beginning with the most recent)

Administrative Responsibilities:

	from	to	Position	Organization
1.	2009	2010	Vice dean of freshman year	Ahfad University for Women
2.				
3.				

Committee Membership:

	from	to	Committee	Organization
1.	2000	2012	Teachers' Research and Resource Unit	Ahfad University for Women
2.				
3.				

Scientific Consultations:

	from	to	Institute	Full-time or Part-time
1.				
2.				
3.				

Volunteer Work:

	from	to	Type of Volunteer	Organization
1.				
2.				
3.				

Personal Key Competencies and Skills: (computer, Information technology, technical, etc.)

1.	Computer skills
2.	Communication skills
3.	Teaching skills

LAST UPDATE: 10 September, 2013