



## **Athiba Azhar Khan**

*M.Sc, Ph.D*

Assistant Professor

Department of Physics

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### **PERSONAL DATA**

<b>Full Name:</b>	ATHIBA <small>First</small>	MOULA <small>Father</small>	MOHYUDDIN <small>Grandfather</small>	KHAN <small>Family Name</small>						
	اسم العائلة	اسم الجد	اسم الاب	الاسم بالعربي:						
<b>Nationality:</b>										
<b>Date of Birth:</b>	1	9	/	0	3	/	1	9	6	3
	<small>D</small>	<small>D</small>		<small>M</small>	<small>M</small>		<small>Y</small>	<small>Y</small>	<small>Y</small>	<small>Y</small>
<b>Place of Birth:</b>	INDIA									
<b>Marital Status:</b>	MARRIED									
<b>UD Employee ID:</b>	653718		<b>Date of Joining:</b>	13 SEPTEMBER, 2011						
<b>Department:</b>	PHYSICS									
<b>Official UD email:</b>	<a href="mailto:aakhan@ud.edu.sa">aakhan@ud.edu.sa</a>		<b>Other email:</b>	<a href="mailto:athiba@gmail.com">athiba@gmail.com</a>						
<b>Office Tel. No.</b>	31145									
<b>Mobile No.</b>	0504618913									
<b>Home Tel. No.</b>	8812037 ext. 123									

#### **Language Proficiency:**

Language:	Read	Write	Speak
<i>Arabic</i>	yes		
<i>English</i>	yes	yes	yes
<i>Hindi</i>	yes	yes	yes

### **ACADEMIC QUALIFICATIONS:** *(beginning with the most recent)*

Date	Academic Degree	Specialty	Institute	Country
1993	Ph.D	Physics	University of Mysore	India
1985	M.Sc	Physics	University of Mysore	India

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

PhD:	Awarded with a Ph.D in 1993.
Master:	Awarded with 6 gold medals for topping the university in physics
Fellowship:	Awarded with UGC Fellowship to conduct research from 1987-1992

**PROFESSIONAL RECORD:** *(beginning with the most recent)*

**University Appointments**

<i>from</i>	<i>to</i>	Academic Posts	Specialty/Department	Institute & Country
2011	present	Assistant Professor	Physics	University of Dammam, Saudi Arabia
2007	2011	Chair of Basic Sciences	Physics	Mohammad Al Mana College of Health Sciences, Saudi Arabia
2005	2007	Coordinator in Physics	Physics	Al Hussan International School, Saudi Arabia
1997	2005	Science teacher	Physics and Math	Manarat International School, Saudi Arabia
1992	1997	lecturer	Physics	Maharani's college for women, India

**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.	<b>"Clustering in poisson process and burst noise", Japanese journal of Applied Physics, 31 (1992) 391</b>
2.	<b>"1/f noise in beta decay of Y-90", PHYSICS REV A44 (1991) 1044</b>
3.	<b>"search for 1/f fluctuations in alpha decay of Po-210", PHYSICS REV A38 (1989) 5311</b>
4.	<b>"1/f noise in the radioactive beta decay of TL-204, physics rev a39 (1989) 4137</b>
5.	<b>"search for 1/f fluctuation in gamma decay of Cs-137", PHYSICS REV A37 (1998) 2173</b>

**Research Areas of Interest**

1.	Statistical noise in nuclear decay
2.	Burst noise as a limitation in the performance of electronic gadgets
3.	1/f noise in traffic flow
4.	

**Undergraduate:**

	<b>Course/Rotation Title</b>	<b>No./Code</b>	<b>Extent of contribution (no of lectures/tutorials. or labs, clinics)</b>
<b>1.</b>	<b>Physics</b>	<b>0000104</b>	<b>7 lectures 2 labs 2 tutorials</b>

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

<b>1.</b>	<p>Course title and code : Physics for students in the preparatory year, 0000104.</p> <p>Description: Since concepts of physics are central to the understanding of any medical science, physics for students in the preparatory year was taught mainly with the objective of enhancing the concepts which will be of use to the health science related students. Many applications to the biomedical sciences were introduced to motivate students in the study of physics. We as a department made sure that students are not burdened with the rigors of mathematics and physics as a science was intended to become more enjoyable for students with a mental block for math.</p> <p>Laboratory experiments were designed in topics like the physics of the eye, ear, biomechanics, simple dc circuits, x rays and production, nuclear radiation in diagnostics and treatment, surface tension and capillarity.</p> <p>Tutorial classes were held where students were taught the art of tackling series of questions on any biomedical application.</p>
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