



Dr. Mohammed Shakil Akhtar

Assistant Professor

Personal Data

Nationality | Indian

Date of Birth | 01/12/1972

Department | Medical Biochemistry

Official UoD Email | makhtar@uod.edu.sa

Office Phone No. | +966 13 333 1073

Language Proficiency

Language	Read	Write	Speak
English	Yes	Yes	Yes
Others (Hindi)	Yes	Yes	Yes

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
May 2003	Doctor of Medicine(MD)	AMU, Aligarh	India
Jan 1998	MBBS	AMU, Aligarh	India

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

MD.	Binding of bilirubin to erythrocyte membrane of cancer patients.
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Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Assistant Professor	Biochemistry	Univ. of Dammam, KSA	21/1/2008 to date
Assistant Professor	Biochemistry	KIMS, AP, India	Sep2007 - Dec 2007
Assistant Professor	Biochemistry	Al Margeb Univ. Libya	Sep 2006 - Aug 2007
Assistant Professor	Biochemistry	KIMS, AP, India	Mar 2004 - Aug 2006
Clinical Biochemist	Biochemistry	VIMS, Kolkata, India	July 2003 - Feb 2004



Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Section Head, Gen and Special Chemistry	KFHU, UD, Al Khobar, KSA	Feb 2013 to date
Consultant Incharge	KIMS, AP, India	Sep2007 - Dec 2007
Consultant Incharge	KIMS, AP, India	Mar 2004 -Aug 2006
Senior Resident	VIMS, Kolkata, India	July 2003 - Feb 2004

Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Mohammed Shakil Akhtar , Fuad Qaw, J. Francis Borgio, Waleed Albuai, Ahmed Suliman, Zaki Nasserullah, Sana Al-Jarrash, and Amein Al-Ali,	Spectrum of α -thalassemia mutations in β -thalassemia patients and in the normal population of the Eastern Province of Saudi Arabia.	Hemoglobin, 2013; 37(1): 65–73.
2	Abdullah Al-Rubaish, Fahd Al-Muhanna, Abdullah Al-Shehri, Awatif Al-Nafaie, Mohammed Shakil , Abdullah Al-Ali, Khalid Al-Faraidy, Emmanuel Larbi, Folkert Asselberg, Amein Al- Ali.	β_2 Adrenergic Receptor Gene Polymorphisms in Normal and in Patients with Myocardial Infarction in Eastern Province of Saudi Arabia.	Saudi Journal of Medicine & Medical Sciences Vol.1, Issue 1, Jan-Jun 2013, 25-29

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Mohammed Shakil Akhtar, Muzaheed Abdul Rasheed,	Genetic analysis of virulence factors and phylogenetic groups of uropathogens from diabetic patients of the Eastern Province of Saudi Arabia	July 2013
2	Abdul Aziz Al-Qurain, Raed Sulaiman <i>et Al.</i>	Polymorphism of NOD2/CARD15 & Toll-Like receptor in Inflammatory bowel disease in the Eastern Province.	June 2013



Current Researches

#	Research Title	Name of Investigator(s)
1	Genetics of Cardiovascular Diseases	Prof. Ameen Al-Ali <i>et. al</i>
2	Immediate bedside pharmacogenetic testing of CYP2C19 gene to assess effectiveness of clopidrogel in CAD patients treated with Percutaneous Coronary Intervention: Individualized antiplatelet drugs treatment to improve prognosis and effectiveness.	Dr. Abdullah Al-Rubaish <i>et. al.</i>

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Teaching Skills in 21 st Century	University of Dammam; 17-18 February 2013	Participated
2	Strategies for Improving Research Outcomes	University of Dammam; 15-17 September 2012	Participated
3	Industrial Environment Problems and Solutions	University of Dammam; 9 th May 2012	Attended
4	Genetic Risk Factors and Cardiovascular Diseases	University of Dammam 17 th January 2012	Attended

Membership of Scientific and Professional Societies and Organizations

- Permanent, Indian Medical Association.
- Permanent, Association of Clinical Biochemists of India.
- Professional Registration, Saudi Commission for Health Specialties (SCFHS).

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	2 nd Year Medical Biochemistry	BIOCH 206	76 Lectures
2	4 th Year Medical Genetics	BIOCH 403	8 Lectures
3	2 nd Year Dentistry	BIOCH 212	18 Lectures
4	2 nd Year MLT Students	BIOCH 211	20 Lectures



Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	Medical Biochemistry (BIOCH 206): Carbohydrate Chemistry, Biological Membranes, Water Soluble Vitamins, Biological Oxidation, Heme Metabolism, Prostaglandins,
2	Medical Genetics (BIOCH 403): Techniques in Molecular Biology, Clinical Cytogenetics.
3	Biochemistry (BIOCH 212): Carbohydrate Chemistry, Water Soluble Vitamins, Biological Oxidation.

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	KFHU Fellowship Students	MDBC 0406-816	30 Lectures
2	Biochemistry for Msc program in physiology	MDPL 825 MDPL 808 MDBC 803	16 Lectures

Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	KFHU Fellowship Students (MDBC 816) : Introduction to Clinical Chemistry, Photometry, Quality Control, Automation, Acid Base Balance, Renal Function Test, Liver function test, Diagnosis of Myocardial Infarction, Fluid and electrolyte balance, Plasma Proteins and Paraproteinemas.
2	Biochemistry for Msc program in physiology(MDPL 825; MDPL 808; MDBC 803): Heme Metabolism, Nucleotide Metabolism, Cell division and replication

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
1	Med. Biochemistry (BIOCH 206)	YES	YES	YES	--	2008	Present
2	Medical Genetics (BIOCH 403)	YES	YES	YES	--	2010	Present
3	Biochemistry Dentistry (BIOCH 212)	YES	YES	YES	--	2011	Present
4	Clinical Biochemistry (MDBC 0406-816)	YES	YES	--	YES	2008	Present

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	Level II	20	2011	Present
2	Level IV	12	2009	2011
3	Pathology Fellowship Program	2 to 6	2008	Present



Administrative Responsibilities, Committee and Community Service
(Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1	2008	Present	Course Coordinator (BIOCH 206, BIOCH 403, BIOCH 212 and MDBC 816)	College of Medicine, UD

Committee Membership

#	From	To	Position	Organization
1	2010	Present	Strategic Committee College of Medicine	UD
2	2013	Present	Conference organizing Committee	KFHU, LMD, UD.

Scientific Consultations

#	From	To	Institute	Full-time or Part-time
1	Feb 2013	Present	KFHU, General and Special Chemistry UD, Dammam	Part Time as Section Head

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

1	Well versed with Microsoft Office (MS word, PowerPoint, MS Excel)
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Last Update

25 August, 2013