




Kingdom of Saudi Arabia
Ministry of Higher Education
King Faisal University
College of Clinical Pharmacy



Name	Dr. Mohammed Abdou Khedr		
Specialization	Medicinal Chemistry & Drug Design		
Current Position	Assistant Professor		
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Academic Qualifications	Degree/year/university/country	Ph.D , Cardiff University, Welsh School of Pharmacy, Cardiff, UK. "Computer-aided drug design"	
	Degree/year/university/country	Master of Philosophy , Cardiff University, Welsh School of Pharmacy, Cardiff, UK "Computer-aided drug design"	
	Degree/year/university/country	Master of Medicinal Chemistry, 2004 . Helwan University, Faculty of pharmacy, Egypt.	
	Degree/year/university/country	Bachelor of Pharmaceutical Sciences, 1999 , Helwan University, Faculty of pharmacy, Egypt.	
Teaching Experience	➤ 15/09/2012- present , Assistant Professor, College of Clinical Pharmacy, KFU, KSA.		
	➤ Lecturer of Medicinal Chemistry and drug design, Helwan University, Faculty of pharmacy, Egypt.		
	➤ Lecturer of Medicinal Chemistry and drug design. Al-Asher University, Egypt		
	➤ 2004 – 2006: Teaching Assistant of Medicinal Chemistry Helwan University, Faculty of pharmacy, Egypt.		
All the Courses Taught and Teaching in KFU	➤ 2010112 : Pharmaceutical organic Chemistry-1		
	➤ 2010123 : Pharmaceutical organic Chemistry-2		
	➤ 2010222 : Medicinal Chemistry - 2		
	➤ 2010313: Medicinal Chemistry-3		
	➤ 2010323 : Drug Design		

Research Interests	<ul style="list-style-type: none"> ➤ Structure-based drug design ➤ Ligand-based drug design ➤ Virtual screening of new anti diabetic drugs. ➤ Design and synthesis of novel anticancer. ➤ All computational & molecular modeling studies. ➤ Homology modeling. ➤ 3D QSAR.
Research Grants Received	<ul style="list-style-type: none"> ➤ Design and Synthesis of Novel Dipeptidyl Peptidase IV Inhibitors for the Treatment of Type-2 Diabetes Mellitus, KFU annual Research Grant, DSR 2012-2013, SAR 77000. 2012-2013 ➤ Dr. Mohammed Abdou Khedr, Dr. Ibrahim Al-Haider, Dr. Bandar Al- Dhubiab, Dr. Tamer Mustafa, Dr. Maged El- Sayed, Design and Synthesis of Novel Phosphonate Containing molecules that could be used in Treatment of cancer. KFU annual Research Grant, DSR 2013-2014, SAR 96000. 2013-2014
Publications	<ul style="list-style-type: none"> • Repositioning of 2,4-Dichlorophenoxy acetic acid as a potential anti-inflammatory agent: In Silico and pharmaceutical formulation study. <i>In press</i>, European Journal of Pharmaceutical Sciences, 2014. • Synthesis, molecular docking and antibacterial evaluation of various quinoline Schiff bases: labelling and biodistribution of ^{99m}Tc-2-(p-hydroxybenzylidene)-1-(quinoline-4-yl) hydrazine. <i>Medicinal Chemistry Research</i>, 2014, 23, 4011-4020 • Synthesis, Molecular Docking and Preliminary in-Vitro Cytotoxic Evaluation of Some Substituted Tetrahydro-naphthalene (2',3',4',6'-Tetra-O-Acetyl-β-D-Gluco/-Galactopyranosyl) Derivatives. <i>Molecules</i> 2012, 17, 4717-4732 • Synthesis, antitumor activity and molecular docking study of novel benzofuran-2-yl pyrazole pyrimidine derivatives. <i>Acta Poloniae pharmaceutica – Drug research</i>. 2011, 68 (3). • Synthesis, biological evaluation and molecular docking of quinazoline-4(1H)-one derivatives as anti-inflammatory and analgesic agents. <i>Acta Pol Pharm</i>. 2011, 68(5):665-75 • Synthesis, Biological Evaluation and Molecular Docking of Novel Series of Spiro[2h,3H]quinazoline-2,1'-cyclohexan]-4(1H)-one Derivatives as Antiinflammatory and Analgesic Agents. <i>Eur. J. Med. Chem.</i> 2010. 45 (6), 2117-2131 • 2-Arylamino-4-Amino-5-Aroylthiazoles. "One-Pot" Synthesis and Biological Evaluation of a New Class of Inhibitors of Tubulin Polymerization. <i>J. Med. Chem.</i> 2009. 52 (17), 5551-5555 • West Nile Virus Helicase: Homology Modeling and Docking Studies, <i>Antiviral research</i>. 2009, 82, 2, 60.

Presentations and Abstracts	<ul style="list-style-type: none"> ➤ QSAR-Based Virtual Screening: Computational tool for discovering potential inhibitors of West Nile Virus NS3 Protease. 'Fragment- and Ligand-based <i>Drug Design Conference</i>' at Oxford University, United Kingdom. ➤ "Personal strategic planning and grant writing", College of clinical pharmacy, 17-12-2012. KFU. ➤ Mohammed Abdou, "Molecular Modeling 'concepts and applications' that was held in Helwan University, Egypt. 17-01-2012 ➤ Mohammed Abdou, "Computer-aided drug design and synthesis of novel antivirals", Cardiff university, UK.
Workshops and seminars attended	<ul style="list-style-type: none"> ➤ Attended Workshop on "Using Blackboard: Skills and tools", KFU, KSA, held on Sep. 16 & 18, 2012. ➤ Attended Workshop on "Orientation and training program for ne faculty", KFU, KSA, held on Oct. 7-9, 2012. ➤ Attended Workshop on "Course Design", KFU, KSA, held on Nov, 12-13, 2012. ➤ Attended Workshop on "Developing Research Abilities: Idea Formulation and Research Management"- KACST, KFU, KSA, held on Dec, 5, 2012. ➤ Attended Workshop on "Effective Teaching strategies", KFU, KSA, held on Dec. 10-11, 2012. ➤ Attended Workshop on "Life-Long Learning", KFU, KSA, held on Dec. 24-25, 2012 ➤ Attended Workshop on "Measuring Student Learning", KFU, KSA, held on Jan. 14-15, 2012
Meberships	<ul style="list-style-type: none"> ➤ 07/2008-present: Member of eCheminfo molecular modeling institute ➤ 2009-present: Member of Antiviral research and chemotherapy ➤ 12/2012-present: CCG (Molecular Modeling and drug design)