

MAJDI MOHAMMAD MAH'D BKHAITAN

Nationality: Palestinian

Age: 55

Home Address

Jenin-West Bank

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Work Address

Arab American University

Basic Medical Sciences Unit

Jenin

Palestine

EDUCATION

1996 – 1999

University of Messina, Italy

Ph.D. in Pharmaceutical Sciences “Pharmaceutical Chemistry”

Supervisor: Prof. Giovanni Romeo

Thesis: Modified Dideoxynucleosides: Synthesis of Chiral 1', 2'-isoxazolidino and 2'-dimethylamino nucleosides

1989 – 1993

University of Messina, Italy

Degree in Pharmacy “ Pharmaceutical Sciences”

(Graduated with highest honors)

Supervisor: Prof. Rita Costa

Thesis: Mucilaginous plants and their use in pharmacy

EMPLOYMENT

1994 - 1996

Pharmacist at a community pharmacy-Italy

2000 -2007

Assistant Professor of Pharmaceutical Chemistry at Al-Zaytoonah University of Jordan

2000

Visitor lecturer at the Applied Science University for Inorganic Medicinal Chemistry

2007-2018

Assistant Professor of Pharmaceutical Chemistry at Um-Alqura University.

2018-2018	Associate Professor of Pharmaceutical Chemistry at Um-Alqura University.
2018-Now	Associate Professor of Pharmaceutical Chemistry. Basic Medical Sciences Unit, Arab American University in Palestine

Academic positions

	Head of Quality and international accreditation committee at the faculty of pharmacy at AAUP 2022-Now
	A member of the university level committee for the international accreditation AAUP 2022-Now
	<ul style="list-style-type: none"> Acting vice dean for postgraduate studies and scientific research at the faculty of pharmacy, UQU, 2015-2016
	<ul style="list-style-type: none"> Acting vice dean of academic affairs at the faculty of pharmacy, UQU, 2012-2015
	<ul style="list-style-type: none"> Head of Pharmaceutical Chemistry Department at the faculty of pharmacy at Umm-Alqura university in the academic year 2011-2012
	<ul style="list-style-type: none"> Head of assessment committee at the faculty of pharmacy 2013-2016
	<ul style="list-style-type: none"> Head of curriculum committee at the faculty of pharmacy 2013-2015
	<ul style="list-style-type: none"> 2008 -2011 Secretary of pharmaceutical chemistry department at UQU Faculty of Pharmacy.
	<ul style="list-style-type: none"> President of the faculty of pharmacy committee for continuous education for the two years 2009-2011 and a member in the same committee 2011 -2012 at UQU, faculty of pharmacy
	<ul style="list-style-type: none"> Final year research project coordinator and head of Final year research project committee and the course designer at UQU faculty of pharmacy in the year 2010-2011 and 2011-2012
	<ul style="list-style-type: none"> President of the faculty of pharmacy committee for establishing the bridging program in the academic year 2011 and a member for the year 2012
	<ul style="list-style-type: none"> As Assistant professor of pharmaceutical chemistry at Um-Alqura university faculty of Pharmacy I hold lectures in Medicinal Chemistry for B-Pharm and PharmD students.
	<ul style="list-style-type: none"> In the academic year 2009/2010 I was involved in presenting the preparatory year course: learning skills, which focuses on active learning, thinking strategies and problem solving
	<ul style="list-style-type: none"> In the acad. year 2010/2011 I have also designed the final year research project for both B-Pharm and PharmD programs, and presented the first semester of the course for both the programs.
	<ul style="list-style-type: none"> Elected Pharmacy faculty council member in the academic year 2005/2006 as well as 2006/2007 at Al-Zaytoonah University Faculty of Pharmacy.

<ul style="list-style-type: none"> As an assistant professor in the department of pharmacy at Al-Zaytoonah University in Jordan I held lectures in Medicinal chemistry, Advanced Medicinal Chemistry, Organic Pharmaceutical Chemistry with the practical part involved for the fourth and fifth year undergraduate students as well as, and for a brief period, Organic Chemistry for 2nd and 3rd year undergraduate students.
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Training

<p>A 4 hours workshop entitled “Best Practices in Exam Design: Assessment, Validity, and Standard Setting” held on 29/7/2025, presented by Dr. Mohammad Jaradat, AAUP.</p>
<p>The presentation of a 4 hours workshop entitled “Avoiding the Pitfalls: How to Write MCQs That Measure True Learning” held on 09/07/2025, AAUP</p>
<p>Training Course In "IMET2000 Research Education Program" via ZOOM, March 2024, the International Medical Education Trust 2000 Palestine</p>
<p>Basic Life Support (CPR and AED) Program, March 2023, AAUP</p>
<p>Workshop “Standards for Reviewing and Evaluating Scientific Research from the Perspective of the Reviewers” held by General Secretariat of the Association of Arab Universities, August 2023</p>
<ul style="list-style-type: none"> 10 hours workshop entitled “best practices for planning educational assessment and curriculum mapping” 24-25/01/2017, Al-Ain University in collaboration with AACP and ACPE, Abu-Dhabi, UAE
<ul style="list-style-type: none"> 10 hours Constructive learning workshop presented by Thomas Boyle, Manchester university, May 2015, Hilton hotel, Jeddah
<ul style="list-style-type: none"> 12 hours’ workshop entitled: University learning strategies. Presented by Prof. Abdallah Almufleh, Muharram 1434, December 2012 (in Arabic language)
<ul style="list-style-type: none"> 18 training hours workshop entitled: Certificate Program for university Teaching, presented by dr. Keith Parker from University of Connecticut, USA, at UQU 29/may- 01/june-2011, UQU, Makkah
<ul style="list-style-type: none"> A 33 hour workshop in: “Active Learning”, 1430/1431-2009/2010. Presented by Dr. Ahmad Zakaria, Um-Alqura University, Makkah
<ul style="list-style-type: none"> A 12 Hours workshop entitled: e-learning, teaching and learning skills, 29-31/12/2009, presented by Dr. Badrul Huda Khan, McWeadon Education, USA.
<ul style="list-style-type: none"> A 15 hours training Course entitled: The art of teaching and learning presented by dr. Kerby Barriek from the university of Florida, held in Jeddah 20-22/10/2009
<ul style="list-style-type: none"> A 15 hours Training course in qualitative research held in Um-Alqurah University, 11-13-april, 2009
<ul style="list-style-type: none"> A 25 hours training Course in Peer Counseling Hilton Jeddah organized by King Fahad University, presented by dr. Sergio Piccinin 12- 16/11/1430. (Not completed)
<ul style="list-style-type: none"> ICDL Certified 2009

•	A 12 hours course in Blackboard learning system (e-learning) held by GCE(general computers and electronics co. and I'm now involved in the introduction of blackboard learning system in the Al-Zaytoonah private university.
•	Workshop in collaboration with Brigham Young University concerning Creating health awareness in antismoking campaigns 13-17/7/206, Al- Zaytoonah Private University of Jordan, Amman, Jordan.
•	Workshop For the development of the accreditation parameters in theJordanian private medical schools, Amman, Jordan 08/01/2005.

Awards and Funds

<ul style="list-style-type: none"> • 	<p>Winner of an international refereed Research proposal funded with 500 thousand \$ ca from King Abdel-Aziz City for science and technology (KACST) as principal investigator Number: 13-MED729-10 entitled: Preparation and Development Through Computer-Aided Drug Design of bifunctional Hybrid agents with combined anti hyperglycemic anticancer activities and antihyperglycemic cardioprotective activities <i>(suspended due to KACST program discontinue).</i></p>
<ul style="list-style-type: none"> • 	<p>Winner of an international refereed Research proposal funded with 500 thousand \$ ca from King Abdel-Aziz City for science and technology (KACST) as principal investigator Number: 11-MED-1699-10 entitled: Preparation and Development Through Computer-Aided Molecular Drug Design of Isoxazolidine Nucleosides and Isoxazolidinyl and Nucleosidyl Podophyllotoxin Derivatives with Potential Antiviral and Anticancer Activities, with 500 thousand \$ca. starting April 2013 and terminated with positive outcome 2017</p>
<ul style="list-style-type: none"> • 	<p>Winner of an international refereed Research proposal funded from King Abdel-Aziz City for science and technology (KACST) as Co-investigator Number: 11-Bio-1685-10 entitled: Bioinformatics and Biotechnology enhanced drug design and synthesis of flavin analogs as novel antitumor agents,, starting February 2013.</p>
<ul style="list-style-type: none"> • 	<p>Winner of an international refereed Research proposal funded from King Abdel-Aziz City for science and technology (KACST) as Co-investigator Number: 12-MED2310-10 entitled: Plants with Potential Anti-cancer Effect: Phytochemical, Biological and Mechanistic Studies. Development of the Production of Active Natural Compounds in vitro and the Optimization of the Biological Activity by Chemical Modifications analogs as novel antitumor agents, starting February 2014.</p>
<ul style="list-style-type: none"> • 	<p>Winner as PI of DSR (deanship of scientific research) at Umm Alqura University entitled: Synthesis and biological evaluation of nucleoside and nucleotide analogs. Project Number: 43310007, Sum of fund 137.000 SAR. Year 2014</p>
<ul style="list-style-type: none"> • 	<p>Winner of research fund at Al-Zaytoonah private university of the sum of 3000\$ in the year 2005-2006 entitled “assessing the mutagenic and anti-mutagenic effects of modified nucleosides”.</p>

Papers (Publications)

<ul style="list-style-type: none">• Synthesis and In Vivo Hypolipidemic Effect of Some N-(Benzoylphenyl)-Carboxamide Derivatives in Triton WR-1339-Induced Hyperlipidemic Rats, Kamal Sweidan, Ghassan Abu Sheikha, Ghassan Shattat, Tariq Al-qirim, Majdi Bkhaitan, Brazilian journal of pharmaceutical chemistry, volume 58, 2022, https://doi.org/10.1590/s2175-97902022e191142
<p>Design and Synthesis of 4-O-Podophyllotoxin Sulfamate Derivatives as Potential Cytotoxic Agents, Ammar Bader, Majdi M Bkhaitan, Ashraf N Abdalla, Qasem MA Abdallah, Hamed I Ali, Dima A Sabbah, Ghadeer Albadawi, Ghassan M Abushaikha, Evidence-based Complementary & Alternative Medicine (eCAM), Volume 2021, Article ID 6672807, https://doi.org/10.1155/2021/6672807</p>
<ul style="list-style-type: none">• Synthesis and Antiproliferative Activity of 4β-O-Substituted, 4β-N-Substituted Deoxypodophyllotoxin Derivatives, and 4β-OH- 4'-O-Substituted Podophyllotoxin, Majdi Bkhaitan, Sanaa K. Bardaweel, Ghassan Abushaikha, Agha Zeeshan Mirza, and Kamal A. Sweidan, ChemistrySelect, 2020, 5, 14924– 14929
<ul style="list-style-type: none">• Proapoptotic Activity of Achillea membranacea Essential Oil and Its Major Constituent 1, 8-Cineole against A2780 Ovarian Cancer Cells, Ashraf N Abdalla, Usama Shaheen, Qasem Abdallah, Guido Flamini, Majdi M Bkhaitan, Mohamed IS Abdelhady, Roberta Ascrizzi, Ammar Bader, Molecules, 2020, 25, 7, pp 1582
<ul style="list-style-type: none">• Cytotoxicity of Some Plants of the Asteraceae Family: Antiproliferative Activity of Psidium punctulata Root Sesquiterpenes, Ammar Bader, Qasem M. A., Abdallah Mohamed I. S. Abdelhady, Nunziatina De Tommasi, Nicola Malafrente, Usama Shaheen, Majdi M. Bkhaitan and Roberta Cotugno, records of natural products .13:4 (2019) 307-315.
<ul style="list-style-type: none">• Molecular dynamics simulations reveal structural insights into inhibitor binding modes and mechanism of casein kinase II inhibitors, Zaheer Ul-Haq, Sajda Ashraf, Majdi M Bkhaitan, Journal of Biomolecular Structure and Dynamics, 2019, 1-32, https://doi.org/10.1080/07391102.2018.1450166
<ul style="list-style-type: none">• Synthesis and in Vivo Lipid-Lowering Activity of Novel Imidazoles-5-carboxamide Derivatives in Triton-WR-1339-Induced Hyperlipidemic Wistar Rats, Suhair H Jasim, Ghassan M Abu Sheikha, Haneen M Abuzaid, Tariq M Al-Qirim, Ghassan F Shattat, Dima A Sabbah, Samah A Ala, Mustafa S Aboumair, Kamal A Sweidan, Majdi M Bkhaitan, Chemical and Pharmaceutical Bulletin, 66, 10, pp 953-958
<ul style="list-style-type: none">• Synthesis of Novel Benzimidazole-2-carboxamide Derivatives and in Vivo Antihyperlipidemic Activity Evaluation, Ghassan Abu Sheikha, Majdi Bkhaitan, Hanin Kalloush, Lama Hamadneh, a Reema Abu Khalaf, Tariq Al-Qirim, and Yusuf Al-Hiari, Chemical & pharmaceutical bulletin, 2018, vol.66, pp423-426

<p>Preparation and biological evaluation of metronidazole derivatives with monoterpenes and eugenol, Majdi M Bkhaitan, Mohammed Alarjah, Agha Zeeshan Mirza, Ashraf N Abdalla, Hamdi M El-Said, Hani S Faidah, <i>Chemical biology & drug design</i>, 2018, vol. 92, issue 6, pp. 1954-1962</p>
<p>Simultaneous Determination of Simvastatin with Caffeine in Bulk Drug, Formulation and their Monitoring in Mice Plasma Through HPLC-PDA Technique, Majdi M. Bkhaitan, <i>current analytical chemistry</i>, vol. 13, 2017, DOI: 10.2174/1573411013666170721112505</p>
<ul style="list-style-type: none"> • Reprofiling of Full-length Phosphonated Carbocyclic 2'-Oxa-3'-Aza Nucleosides towards Antiproliferative Agents: Synthesis, Antiproliferative Activity and Molecular Docking Study. Bkhaitan, M. M., Mirza, A. Z., Abdalla, A. N., Shamshad, H., Ul-Haq, Z., Alarjah, M., & Piperno, A, (2017), volume 90, pp. 678-689, <i>Chemical Biology & Drug Design</i>. doi.org/10.1111/cbdd.12987
<ul style="list-style-type: none"> • Identification of Potent Virtual Leads and ADME Prediction of Isoxazolidine Podophylotoxin Derivatives as Topoisomerase II and Tubulin Inhibitors MM Bkhaitan, AZ Mirza, H Shamshad, HI Ali., <i>Journal of Molecular Graphics and Modelling</i>, 2017, 73, 74-93
<ul style="list-style-type: none"> • Atom and receptor based 3D QSAR models for generating new conformations from pyrazolopyrimidine as IL-2 inducible tyrosine kinase inhibitors. Zaheer Ul-Haq, Juweria Shahrukh Effendi, Sajda Ashraf, Majdi M Bkhaitan, <i>Journal of Molecular Graphics and Modelling</i>, 2017, 74, 379-395
<ul style="list-style-type: none"> • Spectrophotometric Method for Determination of Meclizine in Pure and Dosage form Via Ion Pair Complex Formation Using Eosin Y, M Bkhaitan, M Agha Zeeshan Mirza, <i>Current Pharmaceutical Analysis</i>, 2016, 12, 1-6
<ul style="list-style-type: none"> • A Novel Quantitative Spectrophotometric Method for the Analysis of Vigabatrin in Pure Form and in Pharmaceutical Formulation. Bkhaitan, M., & Agha Zeeshan Mirza, M., (2016), <i>Current Pharmaceutical Analysis</i>, Volume 12, Number 4, November 2016, pp. 365-370(6)
<ul style="list-style-type: none"> • Stability indicating HPLC-DAD method for simultaneous determination of atorvastatin, irbesartan and amlodipine in bulk and pharmaceutical preparations, Bkhaitan, M. & Agha Zeeshan Mirza, M., <i>Bulletin of the Korean Chemical Society</i>, 2015, 36: 2230-2237. doi: 10.1002/bkcs.10433
<ul style="list-style-type: none"> • Study of the Effects on DNA of Two Novel Nucleoside Derivatives Synthesized as Potential Anti-HIV, Ahmed O. Maslat, Majdi Bkhaitan, and Ghassan Abu Sheikha, <i>Drug and Chemical Toxicology</i>, Vol. 30, No. 1, 2007: pp. 41-53
<ul style="list-style-type: none"> • Synthesis and in Vitro Antiviral Studies of Bis(Pivaloyloxymethyl) Ester Derivative of 9-(((Phosphonomethyl)aziridin-1-yl)methyl)Adenine (PMAMA). Ghassan M. Abu Sheikha, Majdi M. Bkhaitan, Rami A. Al-Hourani, Ali M. Qaisi, Roberta Loddo and Paolo La Colla, <i>Saudi Pharmaceutical Journal</i>, 2007, volume 15, 1, 16-22

- **Stereoselective synthesis of homochiral annulated sultams via intramolecular cycloaddition reactions**, U. chiachio; A.rescifina; **Majdi Bkhaitan**; G. Grassi, A.Piperno; T. Privetera; and G.Romeo. *Tetrahedron*, **57**, 3425-3433, 2001

Oral Presentations and Posters

<p>Reprofiling of Phosphonated Isoxazolidine Nucleosides towards Antiproliferative activity: Synthesis, Antiproliferative Activity and Computational Study. Majdi M. Bkhaitan, 15th Annual Congress of International Drug Discovery Science and Technology-Japan 2017 (IDDST-Japan 2017)IDDST-Japan 2017, Osaka 25-27th July, 2017</p>
<p>Identification of Potent Virtual Leads and ADME Prediction of Isoxazolidine Podophylotoxin Derivatives as Topoisomerase II and Tubulin Inhibitors, Majdi M.Bkhaitan et al, International congress and exhibition on pharmacy, 2017, April 3-5, Dubai, UAE. (Poster)</p>
<p>Workshop entitled: Topoisomerase II as an anti-cancer target, Majdi M Bkhaitan and Hina shamshad, The First Pharmaceutical Conference: From Bench to Bedside, College of Pharmacy, UQU, Security Forces Hospital, Makkah, 13-14th April 2016, Oral Presentation.</p>
<p>preparation and Development through Computer-Aided Molecular Drug Design of Isoxazolidine Nucleosides and Isoxazolidinyl and Nucleosidyl Podophyllotoxin Derivatives with Potential Antiviral and Anticancer Activities Majdi M. Bkhaitan, second scientific meeting at Umm Alqura faculty of pharmacy, Umm Al-Qura University, Makkah, KSA 4th April, 2014. (Oral presentation)</p>
<p>Cytotoxicity evaluation of some selected middle eastern edible and aromatic plants against human cancer cell lines, XIV Congresso della Società Italiana di Fitochimica, 10-12 June, 2015, Padova, Italy (poster Presentation)</p>
<p>Development of new Bi-functional agents for the treatment of acute and chronic diseases. Majdi M. Bkhaitan, The 1st International scientific meeting of faculty of pharmacy, Emerging Molecular Targets in Cancer Therapy and Drug Development (From Research Labs to Pharmaceutical Industries). Umm Al-Qura University, Makkah, KSA 16-18th march, 2013. (Oral presentation)</p>

<p>Student's Perception of the Usefulness of Web 2.0 Wiki Application in Pharmacy Education, <i>Majdi Bkhaitan</i>, The 14th Annual Congress of the Scientific Association of Colleges of Pharmacy In the Arab World And The 2nd International Conference of the College of Pharmacy and Health Sciences Ajman University of Science and Technology, Ajman, UAE, 7-9 February 2012.(oral presentation)</p>
<p>Study of the Effects on DNA of Two Isoxazolidinyl Nucleosides, <i>Majdi Bkhaitan</i>, Ahmed O. Maslat and Ghassan Abu Sheikha, Jordan International pharmaceutical conference 2006, 15-17 November, Al-Zaytoonah Private University of Jordan, Amman, Jordan (Poster)</p>
<p>Antiviral Chemotherapy: synthesis and biological evaluation of novel modified nucleosides. Majdi Bkhaitan, Eleventh Jordanian pharmaceutical conference 28-30 September 2005 (presentation)</p>
<p>Modified Dideoxynucleosides as potential antiviral agents. M. Bkhaitan, First Antiviral and anticancer agents' symposium, Applied science university, April, 2000.</p>
<p>Stereoselective Synthesis of Enantiomeric Isoxazolidine- fused β- Lactams U. Chiacchio; A. Piperno; G. Romeo and Majdi Bkhaitan, 2nd Italian-Spanish Symposium on Organic Chemistry, June 7-11, 1998, Lecce, Italy.</p>
<p>Nucleosides Analogs as Potential Antiviral Agents, Majdi Bkhaitan; U. Chiacchio; A. Corsaro; D. Iannazzo; A. Piperno and R. Romeo, XXV National Convention of Organic Chemistry, Folgoria, 8-12 September 1998, Italy.</p>
<p>Modified Dideoxynucleosides: Synthesis of chiral 1', 2'- Isoxazolidine Nucleosides. Majdi M. Bkhaitan, XVIII Advanced Course in Pharmaceutical Chemistry, Urbino, 29 June- 03 July 1998, Italy.</p>
<p>Synthesis of Chiral 2',-N- Alkyl-3- hydroxyalkyl-1',2'-N,O-nucleosides as potential anti HIV agents. Majdi Bkhaitan; U. Chiacchio; D. Iannazzo; A. Rescifina and A. Piperno, Regional Conference of Organic Chemistry, December 1997, Palermo, Italy.</p>
<p>Stereoselective Synthesis of Sultams by Intramolecular 1,3 Dipolar Cycloaddition of unsaturated Sulphonamides, M. Alessi; Corsaro, A.; G. Gumina, Majdi Bkhaitan; D. Iannazzo; A. Rescifina; e V. Pistarà. Italian Chemical Society- Regional Conference of Organic Chemistry, December 1996, Catania, Italy.</p>

Conference Attendance

15th Annual Congress of International Drug Discovery Science and Technology -Japan 2017 (IDDST-Japan 2017)IDDST-Japan 2017, Osaka 25-27th July, 2017.
International congress and exhibition on pharmacy , April 3-5, 2017, Dubai, UAE.
The 1st scientific conference of Faculty of pharmacy Umm Al-Qura , University, Makkah, KSA 13th-14th April, 2016
The 2nd scientific meeting of Faculty of pharmacy Umm Al-Qura University , Makkah, KSA 3rd April, 2014
The 1st International scientific meeting of faculty of pharmacy, Emerging Molecular Targets in Cancer Therapy and Drug Development (From Research Labs to Pharmaceutical Industries) . Umm Al-Qura University, Makkah, KSA 16-18th march, 2013
The 14th Annual Congress of the Scientific Association of Colleges of Pharmacy in the Arab World And The 2nd International Conference of the College of Pharmacy and Health Sciences , Ajman University of Science and Technology, Ajman, UAE, 7-9 February 2012.
Jordan International pharmaceutical conference 2006, 15-17 November , Al-Zaytoonah Private University of Jordan, Amman, Jordan
Eleventh Jordanian pharmaceutical conference 28-30 September 2005 .
Global integration of Graduate programs GIGP2004 , Al-Zaytoonah University of Jordan, November 26-30.2004, Amman, Jordan.
XVI Advanced Course in Pharmaceutical Chemistry, Urbino, 4-6 July 1996. HPLC troubleshooting "Method development in HPLC" Messina, 27 May 1996.
XVII Advanced Course in Pharmaceutical Chemistry, Urbino, 29 June-03 July 1998 , Italy
Regional Conference of Organic Chemistry , December 1997, Palermo, Italy.
2nd Italian-Spanish Symposium on Organic Chemistry , June 7-11, 1998, Lecce, Italy.
Scientific committee member of the tenth pharmaceutical conference , held in Amman, March 2002

Researcher research engines URL

Research Engine	URL
Scopus	https://www.scopus.com/authid/detail.uri?authorId=35073548500
Google scholar	https://scholar.google.com/citations?user=nHeKKcMAAAAJ&hl=en
Orcid	https://orcid.org/0000-0002-9912-1456
Research gate	https://www.researchgate.net/profile/Majdi_Bkhaitan
Academia. edu	https://uqu.academia.edu/MajdiMohammad
Researcherid	http://www.researcherid.com/rid/Q-6312-2016

