



CURRICULUM VITAE

Head of Pharmaceutical Chemistry Department, College of Pharmacy, King Saud University, Riyadh 11451, Saudi Arabia



Personal Information:

Name:
Nationality: Saudi
Date of Birth: 1973
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Academic Qualifications:

December 2006- up to date Associate Professor of Medicinal Chemistry.
September 2002 - 2006 Assistant Professor, Pharmaceutical Chemistry Department, College of Pharmacy, King Saud University, Riyadh.
July 2002: Ph.D, Medicinal Chemistry, School of Pharmacy, Bradford University, Thesis title: "*In Vitro* Production of Reactive Oxygen Species By Guinea Pig Liver Aldehyde Oxidase"
October 1999: Master, Medicinal Chemistry, School of Pharmacy, Bradford University, Dissertation title: "Aldehyde oxidase, a molybdenum hydroxylase enzyme"
1996-1997: Teaching Assistant and Instructor, College of Pharmacy, King Saud University.
1990-1996: B.Sc. in Pharmacy Science with Honors, College of Pharmacy, King Saud University, Riyadh.

Other Advanced Courses Attended at University of Bradford:

1998 (32 Mondays) Post-Graduate Courses of Higher Education (one academic year)
1999 (20 Mondays) Orientation to University Teaching Program (20 weeks)
2000 Time Management (Short Course)

Committee Memberships:

- Supervisor for the Scientific Chair named "Drug Exploration and Development" in KSU-2009-
- Chairman of Pharm. Chem. Dept.- College of Pharmacy, KSU-2009-
- Member of Certificate accreditation Committee in Ministry of High Education.
- Research and Scientific Publication Committee Chairman in Saudi Pharmaceutical Society Since 2008-.

- KSU Consultant for Knowledge Exchange and Technology Transfer (Kett).
- Consultant for Twinning Program in KSU.
- Member of Nanotechnology committee.
- Medicinal Chemistry Board Committee at King Saud University.
- Pharmacy-Training Committee Member at College of Pharmacy for four Years.
- British Council Active member.
- Membership of Scientific Associations:
 - Active Member in Saudi Pharmaceutical Society (SPS-Since 1992-).
 - International Union of Pure and Applied Chemistry (IUPAC, affiliate member, 2004-).
 - International Society for the Study of Xenobiotics (ISSX, 1999-).
 - Canadian Society for Pharmaceutical Sciences (CSPS, 2002-).
- Academic experiences:
 - Supervisor for three PhD thesis.
 - Supervisor for master thesis.
 - Head-Member in Chemical and Instrumental Committee.
 - Member in Sub-Committee for the Preparation of Celebration on 50 Years from establishing the KSU

 - Pharmaceutical-Training Committee Member at College of Pharmacy for two Years. (1423 and 1425).

 - Member in High Studies Programs Committee.
 - Member in Annual Report Committee.
 - Member in Emergency Accidents Facing Specialists.
 - Internal Examiner for Two theses.
 - Department Coordinator for Library Book Lists.
 - Member in Final Exam Committee.
 - Member in Library Committee.
 - Member in Written Exam Committee for Candidate Students for Medical Colleges.
 - Member in Acceptance and Admission Committee.

University and Community Service:

- Reviewing papers for the following journals: Saudi Pharmaceutical Journal, Saudi Medical Journal, and Research Journal of Medicine and Medical Sciences (Member of Editorial Board).
- Head of Saudi Student Club (Bradford, UK).
- Several Lectures in Hospitals and Meetings: e.g. King Fahad Specialist Hospital (alqaseem), Alquraiaat General Hospital (Alquraiaate).
- Active member in society services such as Almaseef community services, Riyadh.

Recent Conferences and Symposia:

B) Papers Submitted to Academic and Specialized Conferences Which Have Been Refereed and Published in Full in the Conference Proceedings:

- C. Beedham, J. A. Smith and *Mohamed A. Al-Omar*; "Formation of hydrogen peroxide and superoxide anion during oxidation catalysed by guinea pig liver aldehyde oxidase", *Drug Metabolism Reviews*, Vol.35, No.S2, pp 205, New York, USA, 2003.
- Mohamed A. Al-Omar*; "In vitro inhibitory effect of quinolinic acid on aldehyde oxidase activity of guinea pig liver", *Innovation in Chemistry*, pp 226, Beijing, China, 2005, 40th IUPAC Congress.
- D. A. Al-Deeb, *Mohamed A. Al-Omar*, N. R. El-Brollosy, E.E. Habib, T.M. Ibrahim, A.A. El- Emam "Synthesis, antimicrobial, and anti-inflammatory activities of novel 1-adamantyl derivatives, *Saudi Pharmaceutical Journal*, Vol. 13, No. 4 (supplement), pp 75, Riyadh, Saudi Arabia, 2005, 9th International Pharmaceutical Sciences Conference and Exposition.
- Mohamed A. Al-Omar*, Abdul-Rahman M. Al-Obaid, Nasser R. El-Brollosy and Ali A. El-Emam, "Some Observations on the Base-Catalyzed Cyclocondensation of 2,6-Dihalobenzaldehydes, Ethyl Cyanoacetate, and Thiourea". 22nd International Congress on Heterocyclic Chemistry (IHC-22) at the Delta Hotel and Conference Centre in St. John's, Newfoundland and Labrador, Canada August 3-7, 2009
- Mohamed A. Al-Omar*, Deema A. Al-Turki, Laila A. Abozeid, Ihsan A. Shehata, Mohammed S. Al-Awady, "Synthesis, Biological Evaluation and Molecular Modeling Study of New 2- Thioxoimidazolidin-4-one Analogs as Selective COX-2 Inhibitors". 22nd International Congress on Heterocyclic Chemistry (IHC-22) at the Delta Hotel and Conference Centre in St. John's, Newfoundland and Labrador, Canada August 3-7, 2009
- Mohamed A. Al-Omar* and Abd El-Galil E. Amr, "Synthesis of Novel Macrocyclic chiral 2,6-Bis- amino Acid Residul Pyridine Derivatives as Biologically Active Candidates". 8th Saudi International Pharmaceutical Conference and Exhibition, 26-28 April 2010, Alhaisalia, Al-Riyadh, Saudi Arabia.
- Deema A. Al-Turki, *Mohamed A. Al-Omar*, Laila A. Abozeid, Ihsan A. Shehata, Mohammed S. Al-Awady, "Design, Synthesis, Molecular Modeling and Biological Evaluation of Novel Diaryl Heterocyclic Analogs as Potential Selective Cyclooxygenase-2 (COX-2) Inhibitors". 8th Saudi International Pharmaceutical Conference and Exhibition, 26-28 April 2010, Alhaisalia, Al-Riyadh, Saudi Arabia.
- Fatmah A. M. Al-Omary, Laila A. Abozeid, Mahmoud N. Nagi, El-Sayed E. Habib, Alaa A.-M.

Abdel-Aziz, *Mohamed A. Al-Omar* and Hussein I. El-Subbagh, "Nonclassical Antifolate Compounds as Dihydrofolate Reductase Inhibitors". 8th Saudi International Pharmaceutical Conference and Exhibition, 26-28 April 2010, Alphaisalia, Al-Riyadh, Saudi Arabia.

- Adel S. El-Aza, *Mohamed A. Al-Omar*, Alaa A.-M. Abdel-Aziz, Abulaziz M. Aleisa, Sayed- Ahmed M.M. and Sami G. Abdel-Hamide, "Design, Synthesis and Biological Evaluation of Quinazoline Derivatives as Potential Antitumor Agents: Molecular Docking Study". 8th Saudi International Pharmaceutical Conference and Exhibition, 26-28 April 2010, Alphaisalia, Al-Riyadh, Saudi Arabia.

- Mohamed Hefnawy, *Mohammed Al-Omar*, Saeed Julkhuf, Sabry Attia, Ehab Abourashed and Hussein El-Subbagh, "Novel, Selective Sample Stacking Capillary Electrophoresis Technique Induced by Reverse Migrating Pseudostationary Phase for the Determination of the New Ultra- Short Acting Hypnotic "HIE 124" in Mice Serum". 8th Saudi International Pharmaceutical Conference and Exhibition, 26-28 April 2010, Alphaisalia, Al-Riyadh, Saudi Arabia.

- *Mohamed A. Al-Omar*, Ebtehal S. Al-Abdullah, Ihsan A. Shehata, and Ali A.El-Emam, "Synthesis, Antimicrobial, and Anti-inflammatory Activities of Novel 3-(1-Adamanty)-1-arylideneamino-5- mercapto-1,2,4-triazoles and Related Derivatives". 8th Spanish-Italian Symposium on Organic Chemistry (SISOC-VIII) Centro Culturale San Gaetano, Padova, Italy, July 3rd-6th 2010

Computing Skills:

- In Research:
 - Competent in using the following Software in Research:
 - Shimadzu UV-210 and other series of Spectroscopy Software Package
 - Pharmaco-Kinetics Software
 - Other general math./stat. Software (SPSS)
 - Chemwin® and ChemInnovation® Softwares

- In Teaching:
 - Using the following Software in teaching:
 - Smart Board
 - AutoCAD
 - Microsoft Office XP (PowerPoint®, PDF-Xchange®, Excel® and Word®).

- Awards, Citations and Honors
 - Honored Members of Marquis Who's Who in the World 2010.
 - Recognized by Who's Who AcademicKeys since 2007.

Area of Interest:

- Mainly drug metabolism *via* molybdenum hydroxylase enzymes, also analysis and synthesis of new drugs in cooperation with other colleagues in the field worldwide

References:

1. Dr C. Beedham, School of Pharmacy, Medicinal Chemistry, University of Bradford, Bradford, BD7 1DP, West Yorkshire, UK, Tel.+441274234713, Fax. +441274235600.
2. Dr J. A. Smith, School of Pharmacy, Medicinal Chemistry, University of Bradford, Bradford, BD7 1DP, West Yorkshire, UK, Tel.+441274234703, Fax. +441274235600.
3. Dr A. F. Ashour, EDTI, School of Engineering, Design and Technology, University of Bradford, Bradford, BD7 1DP, West Yorkshire, UK, Tel.+441274233870, Fax. +441274781681.

List of Publication:

1.	Abdel-Aziz AA, El-Azab AS, Attia SM, Al-Obaid AM, <u>Al-Omar MA</u> , El-Subbagh HI. Synthesis and biological evaluation of some novel cyclic-imides as hypoglycaemic, anti-hyperlipidemic agents. <i>Eur J Med Chem.</i> 46(9):4324-9 (2011).
2.	Youssef, Khairia; <u>Al-Omar, Mohamed</u> ; El-Subbagh, Hussein; Abou-zeid, Laila; Abdel-Gader, Abdel-Galil; Haress, Nadia; Al-Tuwaijri, Ali Synthesis, antiplatelet aggregation activity, and molecular modeling study of novel substituted-piperazine analogues. <i>Medicinal Chemistry Research</i> , 20(7): 898-911 (2011).
3.	Bhat MA, <u>Al-Omar MA</u> . Synthesis, characterization and in vivo anticonvulsant and neurotoxicity screening of Schiff bases of phthalimide. <i>Acta Pol Pharm.</i> 68(3): 375-80 (2011).
4.	Abounassif MA, <u>Al-Omar MA</u> , Amr AG, Mostafa GA. PVC membrane sensor for potentiometric determination of iron (II) in some pharmaceutical formulations based on a new neutral ionophore. <i>Drug Test Anal.</i> 3(6): 373-9 (2011), doi: 10.1002/dta.231.
5.	Tanveer A. Wani, <u>Mohammed A. Al-Omar</u> , Seema Zargar, Huntington Disease: Current Advances in Pathogenesis and Recent Therapeutic Strategies. <i>International Journal of Pharmaceutical Sciences and Drug Research</i> , 3(2): 69-79 (2011).
6.	Bhat MA, <u>Al-Omar MA</u> , Siddiqui N. Synthesis of 2-(substituted phenyl)-3-[5-(2-oxo-2H-chromen-3-yl)-1,3,4-oxadiazol-2-yl]-1,3-thiazolidin-4-ones with antimicrobial activity. <i>Acta Pol Pharm.</i> 68(2): 295-9 (2011).

7.	Alaa, A. M. Abdel-Aziz, Yousif A. Asiri, Adel S. El-Azab, <u>Mohamed, A. Al-Omar</u> , and Takehisa Kunieda, Profiles of Drug Substances, Excipients and Related Methodology, Tadalafil Volume 36, 278-328, 2011.
8.	A. M. Mohamed, Abdel-Galil E. Amr, M. A. Alsharari, H. R.M. Al-Qalawi, M. D. Germoush and <u>M. A. Al-Omar</u> : "Anticancer Activities of Some New Synthesized Thiazolo[3,2-a]pyrido[4,3-d]pyrimidine Derivatives". <i>Amm. J. Biochem. Biotechnol.</i> 7(2): 43-54 (2011).
9.	H. S. Ali, <u>M. A. Al-Omar</u> and Abd El-Galil E. Amr. "Pharmacological and acute toxicity studies of some synthesized macrocyclic bis-Schiff-base candidates". <i>J. Amer. Sci.</i> , 7(9):177- 184 (2011). (ISSN: 1545-1003).
10.	H. S. Ali, <u>M. A. Al-Omar</u> , A. S. Al-Khalifa, M. M. Abdulla, E. Ezzeldin and Abdel-Galil E. Amr (2011): Ant-Alzheimer activity and structure activity relationship of some synthesized terpinoidal oxaliplatin analogs". <i>J. Amer. Sci.</i> , 7(9):534-542 (2011). (ISSN: 1545-1003).
11.	S.A.S. Ghozlan, <u>M.A. Al-Omar</u> , Abd El-Galil E. Amr, K. Khalil, A.A. Abd El-Wahab (2011): Synthesis and antimicrobial activity of some heterocyclic 2,6-bis(substituted)-1,3,4- thiazolo-, oxadiazolo- and oxathiazolidinopyridine derivatives from 2,6-pyridine dicarboxylic acid dihydrazide". <i>J. Heterocycl. Chem.</i> , In Press, 2011.
12.	U. W. Hawas, <u>M. A. Al-Omar</u> , Abd El-Galil E. Amr, A. G. Hammam (2011): Synthesis of some thiopyrimidine and thiazolopyrimidines starting from 2,6-di-benzylidene-3- methylcyclo-hexanone and its antimicrobial activities". <i>Arabian J. Chem.</i> , In Press, 2011. DOI:10.1016/j.arabjc.2010.09.019
13.	U. W. Hawas, <u>M. A. Al-Omar</u> , Abd El-Galil E. Amr, A.G. Hammam (2011): Anticancer activity of some new synthesized tetrahydroquinoline and tetrahydrochromene carbonitrile derivatives". <i>Amm. J. Applied Sci.</i> , Accepted, 8/2010.
14.	Saleh A. Bahashwan, <u>M. A. Al-Omar</u> , E. Ezzeldin, M. M. Abdalla, A. A. Fayed, and Abdel- Galil E. Amr (2011): Androgen receptor antagonists and anti-prostate cancer activities of some synthesized steroidal candidates". <i>Chem. Pharm. Bull.</i> , Accepted 7/2011.
15.	
16.	
17.	
18.	<u>Mohamed A. Al-Omar</u> , "Synthesis and Antimicrobial Activity of New 5-(2-Thienyl)-1,2,4-triazoles and 5-(2-Thienyl)-1,3,4-oxadiazoles and Related Derivatives". <i>Molecules</i> 2010, 15: 502-514
19.	Alaa A.-M. Abdel-Aziz, <u>Mohamed A. Al-Omar</u> , Adel S. El-Azab, Takehisa Kunieda, "Conformational preferences of sterically congested 2-imidazolidinone using X-ray analysis and computational studies. Part 1: Trans-1-acetyl-4,5-di-tert-butyl-2-imidazolidinone" <i>Journal of Molecular Structure</i> 2010, 969: 145-154.
20.	Fatmah A. M. Al-Omary, Laila A. Abou-zeid, Mahmoud N. Nagi, El-Sayed E. Habib, Alaa A.-M.

	<p>Abdel-Aziz, Adel S. El-Azab, Sami G. Abdel-Hamide, <i>Mohamed A. Al-Omar</i>, Abdulrahman M. Al-Obaid, Hussein I. El-Subbagh, "Non-classical antifolates. Part 2: Synthesis, biological evaluation, and molecular modeling study of some new 2,6-substituted-quinazolin-4-ones".</p> <p><i>Bioorganic & Medicinal Chemistry</i> 2010, 18: 2849–2863</p>
21.	<p><i>Mohamed A. Al-Omar</i>, Ebtehal S. Al-Abdullah, Ihsan A. Shehata, Elsayed E. Habib, Tarek M. Ibrahim, and Ali A. El-Emam, "Synthesis, Antimicrobial, and Anti-inflammatory Activities of Novel 5-(1-Adamantyl)-4-arylideneamino-3-mercapto-1,2,4-triazoles and Related Derivatives".</p> <p><i>Molecules</i> 2010, 15: 2526-2550.</p>
22.	<p><i>Mohamed A. Al-Omar</i>, Abdul-Rahman M. Al-Obaid, Nasser R. El-Brollosy, and Ali A. El-Emam, "Some observations on the base-catalyzed cyclocondensation of 2,6-dihalobenzaldehydes, ethyl cyanoacetate, and thiourea".</p> <p><i>Synthetic Communications</i> 2010, 40: 1530–1538</p>
23.	<p>Mashooq A. Bhat, <i>Mohammed A. Al-Omar</i>; Nadeem Siddiqui, "Synthesis, anticonvulsant and neurotoxicity of some novel 1,3,4-oxadiazole derivatives of phthalimide".</p> <p><i>Der Pharma Chemica</i>, 2010, 2(2): 1-10</p>
24.	<p><i>Mohamed A. Al-Omar</i>, "Stereoselective HPLC Assay of Acebutolol Enantiomers With Fluorescence detection and its application to pharmacokinetics".</p> <p><i>World Applied Science Journal</i>, Accepted 19/5/2010</p>
25.	<p><i>Mohamed A. Al-Omar</i> and Abd El-Galil E. Amr, " Anti-inflammatory, Analgesic, Anticonvulsant and Antiparkinsonian Activities of Some Pyridine Derivatives Using 2,6-disubstituted Isonicotinic Acid Hydrazides,</p> <p><i>Arch. Pharm. Life Sci</i>: Accepted, 22/4/2010.</p>
26.	<p>M. Hefnawy, <i>Mohamed A. Al-Omar</i>, S. Julkhuf, S. Attia, E. Abourashed, H. El-Subbagh, "Novel, Selective Sample Stacking Microemulsion Electrokinetic Capillary Chromatography Induced by Reverse Migrating Pseudostationary Phase for the Determination of the New Ultra-Short Acting Hypnotic "HIE-124" in Mice Serum".</p> <p><i>Anal. Chem. Acta</i>. Accepted, 20/5/2010.</p>
27.	<p>Mashooq A. Bhat, <i>Mohamed A. Al-Omar</i>; Nadeem Siddiqui, "Synthesis of 2-(substituted phenyl)-3-[5-(2-oxo-2H-chromen-3-yl)-1,3,4-oxadiazol-2-yl]-1,3-thiazolidin-4-ones with antimicrobial activity".</p> <p><i>Acta Poloniae Pharmaceutica-Drug Research</i>, 69(2): 2011; Accepted, 11/5/2010.</p>

28.	Ahmad H. Alghamdi, Ali F. Alghamdi, <i>Mohammed A. Al-Omar</i> , "A Study of Stripping Voltammetric Behaviour of Cefadroxil Antibiotic in the Presence of Cu (II) and its Determination in Pharmaceutical Formulation". <i>Portugaliae Electrochimica Acta</i> 2009, 27(6): 645-655.
29.	Mohamed Hefnawy, <i>Mohammed A. Al-Omar</i> , Saeed Julkhuf, " Rapid and sensitive simultaneous determination of ezetimibe and simvastatin from their combination drug products by monolithic silica high-performance liquid chromatographic column". <i>Journal of Pharmaceutical and Biomedical Analysis</i> 2009, 50: 527-534
30.	<i>Mohammed A. Al-Omar</i> , "Ofloxacin, Profiles of Drug Substances, Excipients, and Related Methodology" 2009, 34: 265-298.
31.	Alghamdi, Ahmad H.; Alghamdi, Ali F.; <i>Mohammed A. Alomar</i> , "Electroanalytical determination of the hypertensive drug propranolol by anodic stripping voltammetric technique. <i>Arabian Journal of Chemistry</i> 2008, 1(1): 37-46
32.	Al-Ghamdi, Ahmad H.; Al-Ghamdi, Ali F.; <i>Mohammed A. Al-Omar</i> , "Electrochemical studies and square-wave adsorptive stripping voltammetry of spironolactone drug". <i>Analytical Letters</i> 2008, 41(1): 90-103.
33.	<i>Mohamed A. Al-Omar</i> , "Simultaneous HPLC method for the determination of zafirlukast and loratadine in human plasma using UV detection and solid phase extraction". <i>Current Topics in Analytical Chemistry</i> , 2008, 7: 21-27.
34.	<i>Mohamed A. Al-Omar</i> , Dina T. El-Sherbiny, Saadia M. El-Ashry, Mohamed A. Moustafa, Fathalla Belal, and Ali A. El-Emam, "Alternating current polarographic determination of nilvadipine in dosage forms and in spiked human plasma". <i>Current Topics in Electrochemistry</i> 2008, 13: 37-45.
35.	Al-Ghamdi, Ali F.; Al-Ghamdi, Ahmad H.; <i>Mohammed A. Al-Omar</i> , "Electrochemical determination of ketotifen antihistamine by adsorptive stripping voltammetric technique". <i>Egyptian Journal of Analytical Chemistry</i> 2008, 17: 98-113.
36.	<i>Mohammed A. Al-Omar</i> ; Al-Ghamdi, Ali F.; Al-Ghamdi, Ahmad H., "Adsorptive stripping voltammetric determination of chlorotetracycline in pharmaceuticals and biological fluids through complexation with Zn (II)". <i>Saudi Pharmaceutical Journal</i> /2008, 16(3-4): 231-238.
37.	Alghamdi, Ali F.; Alghamdi, Ahmad H.; <i>Alomar, Mohammed A.</i> , "Stripping voltammetry of

	penicillamine and its determination in pharmaceutical formulation and biological fluids". <i>Journal of Saudi Chemical Society</i> (2008), 12(1), 1-11
38.	El-Brollosy, Nasser R.; <i>Mohamed A. Al-Omar</i> ; Al-Deeb, Omar A.; El-Emam, Ali A.; Nielsen, Claus, "Synthesis of novel uracil non-nucleosides analogues of 3,4-dihydro-2-alkylthio-6-benzyl-4-oxopyrimidines and 6-benzyl-1-ethoxymethyl-5-isopropyluracil". <i>Journal of Chemical Research</i> 2007, 5: 263-267.
39.	Al-Fayez, M. A.; Aleisa, A. M.; <i>Al-Omar, M. A.</i> , "In vitro interaction of 6-iodo-4-oxo-quinazoline derivatives with cytosolic molybdenum hydroxylases". <i>Journal of Biological Sciences</i> 2007, 7(3): 532-538.
40.	Ali, El-Emam, H. Elsubagh, O. Al-Deeb, <i>Mohamed A. Al-Omar</i> , Medicinal Chemistry An Introduction By Dr. Gareth Thomas (Translation to Arabic), King Saud University press, ISBN: 978-9960-55-469-3, Part I, pp. 1-414, 2009.
41.	Ali, El-Emam, H. Elsubagh, O. Al-Deeb, <i>Mohamed A. Al-Omar</i> , Medicinal Chemistry An Introduction By Dr. Gareth Thomas (Translation to Arabic), King Saud University press, ISBN: 978-9960-55-470-9, Part II, pp. 415-970, 2009.
42.	<i>Mohamed A. Al-Omar</i> ; Al-Mohizea, Abdullah M., "Famotidine, Profiles of Drug Substances". Excipients, and Related Methodology (2009), 34, 115-151
43.	<i>Mohamed A. Al-Omar</i> ; "The X-linked adrenoleukodystrophy (X-ALD) and oxidative stress" <i>Journal of herbal pharmacotherapy</i> , Vol. 6 (3-4), 2006, pp 125-34.
44.	<i>Mohamed A. Al-Omar</i> , A.S. El-Azab, H.A. El-Obeid and S.G. Abdel Hamide " Synthesis of Some New 4-(3H)-Quinazoline Analogs As Potential Antioxidant Agents" <i>Journal of Saudi Chemical Society</i> , Vol. 10, 2006, pp 113-127
45.	A. Al-Ghamdi, F. Belal, <i>Mohamed A. Al-Omar</i> ; "Square-Wave Adsorptive Stripping Voltammetric determination of danazol in capsules" <i>Journal of Pharmaceutical and Biomedical Analysis</i> , Vol. 41, 2006, pp 989-993
46.	O. A. Al-Deeb, <i>Mohamed A. Al-Omar</i> ; N. R. El-Brollosy, E.E. Habib, T.M. Ibrahim, A.A. El-Emam "Synthesis, antimicrobial, and anti-inflammatory activities of novel 2-[3-(1-adamantyl)-4-substituted-5-thioxo-1,2,4-triazolin-1-yl]acetic acid 2-[3-(1-adamantyl)-4-substituted-5-thioxo-1,2,4-triazolin-1-yl]propionic acids and related relatives" <i>Bioorganic & Medicinal Chemistry</i> , Vol. 56, 2006, pp 40-47.
47.	A.K. Al-Suwailem, A.S. Al-Tamimi, <i>Mohamed A. Al-Omar</i> and M.S. Al-Suhiban "Safety and

	mechanism of action of orlistat (tetrahydrolipstatin) as first local antiobesity drug" Journal of Applied Sciences Research, Vol. 2, 2006, pp 205-208.
48.	<i>Mohamed A. Al-Omar</i> ; "In vitro inhibitory effect of quinolinic acid on aldehyde oxidase activity of guinea pig liver: a proposed mechanism" Saudi Pharmaceutical Journal, Vol. 13, 2005, pp 164-170
49.	<i>Mohamed A. Al-Omar</i> ; "Assessment of olanzapine in combined and mono-therapy for the treatment of bipolar disorder" Pakistan Journal of Biological Sciences, Vol 8, 2005, pp. 493-497.
50.	<i>Mohamed A. Al-Omar</i> , S. T. Al-Rashood, H. I. Al-Subbagh and S.G. Abdel Hamide "Interaction of 2-thio-4-oxo-quinazoline derivatives with guinea pig liver molybdenum hydroxylases, xanthine oxidase and aldehyde oxidase" Journal of Biological Science, Vol. 5, 2005, pp. 370-378
51.	<i>Mohamed A. Al-Omar</i> and M. Al-Arifi "Comparative effects of scopoletin and menadione on aldehyde oxidase activity of guinea pig liver" Journal of Biological Science, Vol. 5, 2005, pp 525- 531
52.	<i>Mohamed A. Al-Omar</i> and M. Al-Arifi "Glucagon-Like Peptide-I Derivatives and Dipeptidyl Peptidase-IV Inhibitors: New Hope for the Treatment of Type-2 Diabetes" Saudi Medical Journal, Vol. 26 (10), 2005, pp. 1511-1515
53.	<i>Mohamed A. Al-Omar</i> and M. Al-Arifi "Current and new strategies in therapy of neurodegenerative disorders: amyotrophic lateral sclerosis as a model" Arabic Journal of Pharmaceutical Sciences, Vol. 3 (1), 2005, pp. 105-112
54.	<i>Mohamed A. Al-Omar</i> ; "Effect of 2-hydroxy-1,4-naphthoquinone, a natural dye of Henna, on aldehyde oxidase activity in guinea pig liver" Journal of Medical Science, Vol. 5, 2005, 163-168.
55.	<i>Mohamed A. Al-Omar</i> , K. M. Youssef, M. A. El-Sherbeny, S. A. Awadalla, H. I. El-Subbagh "Synthesis and In Vitro antioxidant activity of some new fused pyridine analogs" Arch. Pharm. Chem. Life Sci. Vol. 338, 2005, pp. 175-180.
56.	I. Alsarra, <i>Mohamed A. Al-Omar</i> , R. Gadkariem and F. Belal, "Voltametric determination of montelukast sodium in dosage form and human plasma", Il-Farmaco, Vol. 60, 2005, pp 563-567
57.	<i>Mohamed A. Al-Omar</i> , S. G. Abdel-Hamide, H. A. Al-Khamees and H. Al-Subbagh, "Synthesis and biological screening of new substituted-3-H-quinazoline-4-one analogs as antimicrobial agents", Saudi Pharmaceutical Journal, Vol. 12, (2-3), 2004, pp 63-71
58.	<i>Mohamed A. Al-Omar</i> , A. Al-Majed, M. Sultan, E. A. Gadkariem and F. Belal, "Voltammetric study of danazol and its determination in capsules and biological fluids" Journal of Pharmaceutical and Biomedical Analysis, Vol. 37, (1), 2005, pp 199-204

59.	<i>Mohamed A. Al-Omar</i> , "Analytical Profiles for nimodipine", Analytical Profiles of Drug Substances, Excipients and Related Methodology, Vol. 31, 2004, pp 337-375.
60.	El-Emam, O. A. El-Deeb, <i>Mohamed A. Al-Omar</i> and J. Lehmann, "Synthesis, antimicrobial, and anti-HIV-1 activity of certain 5-(1-adamantyl)-2-substituted thio-1,3,4-oxadiazoles and 5-(1- adamantyl)-3-substituted aminomethyl-1,3,4-oxadiazoline-2-thiones ", Bioorganic & Medicinal Chemistry, Vol. 12, 2004, pp 5107 -5113.
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