

## **CURRICULUM VITAE**

***Dr. Omar Ahmed Al-Dheeb***

### **Personal Information:**

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### **Academic Qualifications:**

*Since 1420* **Professor of Medicinal Organic Chemistry**  
*1415-1420* **Associate Professor of Medicinal Chemistry.**  
*1421-1423* **Heqad of Pharmaceutical chemistry Dept.**  
*1412-1414* **Supervisor of the Central Laboratory at the College of  
Pharmacy, King Saud University, Riyadh.**  
*1409-1415* **Assistant Professor, Pharmaceutical Chemistry Department,  
College of Pharmacy, King Saud University, Riyadh.**  
*1403-1409* **PhD, Medicinal Chemistry, School of Pharmacy, Bradford  
University.**  
*1401-1403:* **Teaching Assistant and Instructor, College of Pharmacy,  
King Saud University.**  
*1396-1401:* **B.Sc. in Pharmacy Science with Honors, College of  
Pharmacy, King Saud University, Riyadh.**

### **Other Advanced Courses Attended at University of Bradford:**

*1405 (32 Mondays)* **Post-Graduate Courses of Higher Education (one academic  
year)**  
*1407 (20 Mondays)* **Orientation to University Teaching Program (20 weeks)**  
*1408-1409* **Time Management (Short Course)**

### **Committee Memberships:**

- 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 1403).
  - International Union of Pure and Applied Chemistry (IUPAC, affiliate member, 1410-).
  - International Society for the Study of Xenobiotics (ISSX, 1415).
  - Canadian Society for Pharmaceutical Sciences (CSPS, 1417).
- Academic experiences:
  - Supervisor for PhD thesis.
  - Co-Supervisor for a number of master degrees.
  - Head-Member in Chemical and Instrumental Committee.
  - Pharmaceutical-Training Committee Member at College of Pharmacy for two Years. (1415 and 1419).
  - 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), Alquraiat General Hospital (Alquraiate).
- Active member in society services such as Almaseef community services, Riyadh.

**Recent Symposia:**

- Symposium on 1<sup>st</sup> Annual Pharmacist Day, 3/4/1425 H, Security Forces Hospital, Riyadh, Saudi Arabia.

- Continuing Pharmaceutical Education Series, 1<sup>st</sup> of April 1420, King Abdulaziz Medical City, Riyadh, Saudi Arabia.
- Series of prestige lecture sponsored by British Cultural Council from 2003-up to now.

**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:

- AutoCAD.
- Microsoft Office XP (PowerPoint®, PDF-Xchange®, Excel® and Word®).

### List of PUBLICATIONS

1. A.F. Casy, G.H. Dewar and **O.A. Al-Deeb**. Conformational equilibria of hydrochloride salts of pethidine, ketobemidone and related central analgesics of the 4-arylpiperidine class. *J. Chem. Soc. Perkin Trans.*, **11**, (1989).
2. A.F. Casy, G.H. Dewar and **O.A. Al-Deeb**. Stereochemical studies of the 4-alkyl-4-arylpiperidine class of opioid ligand. *Magn. Reson. Chem.*, **27**, 964 (1989).
3. A.F. Casy, G.H. Dewar and **O.A. Al-Deeb**. Stereochemical influence upon the opioid ligand activities of 4-alkyl-4-arylpiperidine derivatives. *Chirality*, **1**, 202 (1989).
4. A.F. Casy, G.H. Dewar and **O.A. Al-Deeb**. Opioid properties of some isomeric derivatives of phencyclidine. *J. Pharm. Pharmacol.*, **44**(1), 19 (1992).
5. **O.A. Al-Deeb**, E.M. Abdel-Moety, S.M. Bayomi and N.A. Khattab. Spectrophotometric quantification of astemizole and its demethylated metabolite in urine after TLC separation. *Eur. J. Drug Metab. Pharmacol. Kinet.*, **4**, 251 (1992).
6. **O.A. Al-Deeb**, E.M. Abdel-Moety, N.A. Khattab and A.A.Khalil. Potentiometric titrimetry for simultaneous determination of ampicillin and dicloxacillin in bulk form and in capsules. *Acta Pharm. Fenn.*, **101**, 215 (1992).

7. H.A. Al-Khamees, **O.A. Al-Deeb** and S.M. Bayomi. Synthesis of 2-substituted-1,2,4-triazolo[1,5-a]pyrimidine and 1,2,4-triazolo[4,3-a]pyrimidine derivatives as potential antimicrobial agents. *Indian J. Heterocyclic. Chem.*, **2**, 237 (1993).
8. **O.A. Al-Deeb**, H.A. Al-Khamees and S.M. Bayomi. Carbon-13 NMR: The identification of some 2-substituted-1,2,4-triazolo[1,5-a]pyrimidine and 1,2,4-triazolo[4,3-a] pyrimidine derivatives. *Indian J. Heterocyclic Chem.*, **3**, 101 (1993).
9. **O.A. Al-Deeb**, K.A. Al-Rashood and A.A. Khalil. Synthesis of new (1-phenylcyclohexyl) piperazine derivatives as potential analgesics. *Bull. Fac. Pharm. Cairo Univ.*, **31**(4), 473 (1993).
10. K.A. Al-Rashood, E.M. Abdel-Moety, **O.A. Al-Deeb**, A.A. Khalil and N.A. Khattab. Derivative spectrophotometry for stability-indicating determination of norfloxacin in bulk form and tablets. *Sci. Pharm.*, **62**, 225 (1994).
11. **O.A. Al-Deeb**. Synthesis and analgesic activity of new phencyclidine derivatives. *Arzneim.-Forsch./Drug Res.*, **44**(11), 10, 1141 (1994).
12. Faiza S. El-Shafie, **Omar A. Al-Deeb**, Mona E.M. Hammad, Ali A. Mustafa and Humeida A. El-Obeid. Synthesis and analgesic activity of new 1-(p-substituted phenacyl)-4-substituted piperazines and piperidines and their carbinol derivatives. *Sci. Pharm.*, **62**, 389 (1994).
13. E.M. Abdel-Moety, **O.A. Al-Deeb**, and N.A. Khattab. Determination of dextromethorphan hydrobromide in bulk form and dosage formulations by high performance liquid chromatography. *J. Liq. Chromatogr.* **18**(20), 4127 (1995).
14. E.M. Abdel-Moety, K.A. Al-Rashood, **O.A. Al-Deeb** and N.A. Khattab. Stability indicating HPLC method for determination of ampicillin and dicloxacillin in bulk forms, admixtures and in capsules. *Sci. Pharm.*, **63**, 7 (1995).
15. **O.A. Al-Deeb**, E.M. Abdel-Moety, M.A. Abounassif and S.R. Alzaben. Stability-indicating high performance liquid chromatographic method for determination of norfloxacin in bulk and tablets. *Boll. Chim. Farmaceutico.*, **134**(9), 497 (1995).
16. **Al-Deeb, O.A.**, E.M. Abdel-Moety, M.A. Abounassif, and S.R. Alzaben. Photochemical stability of norfloxacin and its stability-indicating quantification in tablets. *Boll. Chim. Farmaceutico.*, **135**(6), 397 (1996).

17. **Omar Al-Deeb.** Carbon-13 NMR nuclear magnetic resonance spectra of some 4-substituted analogues of phencyclidine and thienylcyclidine. *Saudi Pharm. J.*, **4**(2), 84 (1996).
18. **O.A. Al-Deeb.** New analgesics derived from the phencyclidine analogue thienylcyclidine. *Arzneium,-Forsch.-/Drug Res.*, **46**(1), 5, 505 (1996).
19. Nagwa H. Foda, Mahasen A. Radwan and **Omar A. Al-Deeb.** Fluvoxamine Maleate, Analytical Profiles of Drug Substances, Vol. 24, Brittain, H.G. (Editor), Academic Press (1996); pp. 165-209.
20. Mahasen A. Radwan, Nagwa H. Foda, and **Omar A. Al-Deeb.** Mebeverine Hydrochloride, Analytical Profiles of Drug Substances, Vol. 25, Brittain, H.G. (Editor), Academic Press, (1997).
21. **Omar A. Al-Deeb**, Faiza S. El-Shafie, Mona E.M. Hammad, Ali A. Mustafa and Humeida A. El-Obeid. <sup>13</sup>C and <sup>1</sup>H nuclear magnetic resonance spectral studies on some 1,4-disubstituted piperazine derivatives with analgesic properties. *Saudi Pharm. J.*, **5**(2-3), 103 (1997).
22. **O.A. Al-Deeb**, B.M. Al-Hadiya and N.H. Foda. Quantitative analysis of mebeverine in dosage forms by HPLC. *Chromatographia*, **44** (7/8), 427 (1997).
23. **Omar A. Al-Deeb**, Nagwa H. Foda, Faiza El-Shafie and Ahmed Al-Afifi. High performance liquid chromatographic assay of chlorpheniramine maleate in tablet formulations. *J. Liq. Chromatogr.*, **20**(14), 2221 (1997).
24. Ashraf. H. Abadi, Hamad A. Al-Khamees, **Omar A. Al-Deeb**, Mohei M. Elmazar and Abdulrahman M. Ageel. Synthesis and pharmacological evaluation of some 3-[(4-aryl- and benzylpiperazinyl)alkoxy]-2-methyl-4-(3*H*)-quinoxolinones as potential neuroleptic agents. *Sci. Pharm.*, **65**, 113 (1997).
25. E.M. Abdel-Moety and **O.A. Al-Deeb.** Stability-indicating liquid chromatographic determination of trifluoperazine hydrochloride in bulk form and tablets. *Eur. J. Pharm. Sci.*, **5**, 1 (1997).
26. **Omar A. Al-Deeb.** Antinociceptive properties of some 4-benzylpiperidine analogues of phencyclidine and thienylcyclidine. *Sci. Pharm.*, **65**, 253 (1997).
27. **O.A. Al-Deeb**, K.A. Al-Rashood, E.I. Elkhawad, F.S. El-Shafie and K.E.H. El-Tahir. The pharmacological effects of some 1*H*-1,4-benzothiazineylide derivatives on the cardiovascular system of the rat and some smooth muscles. *Boll. Chim. Farmaceutico.*, **136** (11), 691 (1997).

28. **O.A. Al-Deeb**, H.I. El-Subbagh and E.M. Abdel-Moety. Stability indicating quantitation of azintamide in dosage formulations. *Sci. Pharm.*, **66**, 47 (1998).
29. Ashraf Abadi, **Omar Al-Deeb**, Ahmed Al-Afify and Hassan El-Kashef Synthesis of 4-alkyl (aryl)-6-aryl-3-cyano-2(1*H*)-pyridinones and their 2-imino isosteres as nonsteroidal cardiotoxic agents. *IL Farmaco* **54**, 195 (1999).
30. F. Belal, **O.A. Al-Deeb**, A.A. Al-Majed, E.A.R. Gad-Kariem. Voltammetric determination of N-nitrosoderivatives of atenolol and propranolol in simulated gastric juice. *IL Farmaco*, **54**, 700-704 (1999).
31. Ekram M. Hassan, Fathalla Belal, **Omar A. Al-Deeb**, and Nasr Y. Khalil. Spectrofluorimetric determination of vagabatratin and gabapentin in dosage forms and spiked plasma samples through derivatization with 4-chloro-7-nitrobenzo-2-oxa-1,3-diazole. *Journal of AOAC International*, **84**, No. 4, 1017-1024 (2001).
32. A.A. El-Emam, **O.A. Al-Deeb**, M. Al-Omar and J. Lehmann. Synthesis and 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*, **12**, 5107-5113 (2004).
33. Mohamed Al-Omar, **Omar A. Al-Deeb**, Hamad A. Al-Khamees, and Ali A. El-Emam. 1,3,4-Thiadiazolones. Regioselective *O*-Demethylation on Dehydrative Cyclization of 1-(3,4,5-Trimethoxybenzoyl)-4-substituted Thiosemicarbazides with Sulphuric Acid. *Phosphorus, Sulfur, and Silicon*, **179**, 2509 (2004).
34. Omar A. Al-Deeb, Mohamed A. Al-Omar, Nasser R. El-Brollosy, Elsayed E. Habib, Tarek M. Ibrahim, and Ali 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 Acids, 2-[3-(1-adamantyl)-4-substituted-5-thioxo-1,2,4-triazolin-1-yl]propionic Acids and Related Derivatives. *Arzneim Forsch./Drug Res.* **56**, No. 1, 40 (2006).
35. Adan A. Kadi, Nasser R. El-Brollosy, **Omar A. Al-Deeb**, Elsayed E. Habib, Tarek M. Ibrahim, Ali A. El-Emam. Synthesis, Antimicrobial, and Anti-inflammatory Activities of Novel 2-(1-adamantyl)-5-substituted-1,3,4-oxadiazoles and 2-(1-adamantylamino)-5-substituted-1,3,4-thiadiazoles. *European Journal of Medicinal Chemistry* **42**, 235 (2006).
36. Ebtehal S. Al-Abdullah, Ihsan A. Shehata, **Omar A. Al-Deeb**, and Ali A. El-Emam. Microwave-assisted Dehydrosulfurization: An Efficient, Solvent-Free Synthesis of 5-(1-Adamantyl)-2-arylamino-1,2,4-triazolo[3,4-*b*][1,3,4]thiadiazoles. *Heterocycles*, **71**, No. 2 (2007).

Nasser R. El-Brollosy, Mohamed A. Al-Omar, **Omar A. Al-Deeb**, Ali A. El-Emam and Claus Nielsen. Synthesis of Novel Uracil Non-nucleosides Analogues of 3,4-dihydro-2-alkylthio-6-benzyl-4-oxopyrimidines and 6-Benzyl-1-ethoxymethyl-5-isopropyluracil. Journal of Chemical Research, May 263 (2007).