

Petra University
(Private Accredited University)

Faculty of Pharmacy & Medical Sciences.
Dean's Office



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مكتب العميد

CURRICULUM VITAE (CV)

TAWFIQ ARAFAT

PERSONAL DATA

2012

Nationality : Jordanian

Marital Status: Married with three children

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PRESENT POSITION

Professor of Pharmaceutical Chemistry,
Dean of the Faculty of Pharmacy and Medical Sciences
University of Petra, Amman Jordan since 1992 till now.

EDUCATION

1. Ph.D in Pharmaceutical Chemistry, 1980, School of Pharmacy U.W.I.S.T, Cardiff, United Kingdom.
2. M.Sc in Pharmaceutical Analysis, 1977, School of Pharmacy U.W.I.S.T, Cardiff, United Kingdom.
3. B.Sc Pharmacy, June, 1974, School of Pharmacy, Baghdad University, Iraq.



ACADEMIC AND PROFESSIONAL POSITIONS

- **Dean, Faculty of Pharmacy and Medical Technology, University of Petra Amman Jordan, 1992 till now.
- ** Dean, Faculty of Pharmacy Jordan University 1991-1992
- **Principal Investigator of Bioequivalence studies since 1983 till now.
- **Consultant and Reviewer for the Ministry of Health in Jordan in subjects related to Bioequivalence and Bioavailability studies.
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- **Chairman of Pharmaceutical Chemistry Department, School of Pharmacy, Jordan University, Amman Jordan 1988-1989.
- **Assistant Dean, School of Pharmacy, Jordan University, Amman Jordan, 1986 – 1988
- **Associate Professor, 1990, School of Pharmacy, Jordan University Amman Jordan.
- **Assistant Professor, 1983, School of Pharmacy, Jordan University, Amman Jordan
- **January, 1982 - October 1983, Senior Researcher, ACDIMA, Amman, Jordan
- **January, 1980 - January 1982, Head of the Quality Control Department, Kuwait Pharmaceutical Plant, Kuwait
- **June, 1974 -June 1975 Pharmacist in-charge, Al-Hanan Pharmacy Kuwait.

TEACHING EXPERIENCE

During the period of 1983 till now, I have been teaching the following courses:

- **Organic Pharmaceutical Chemistry
- **Analytical Chemistry
- **Medicinal Chemistry
- **Instrumental Analysis
- **Advanced Instrumental Analysis



PUBLICATIONS

1. Factors Influencing Polymorphic Transition of Hyoscine N-Butyl Bromide.
T.Arafat, M.Saleh and A.Badwan.
Drug Development and Industrial Pharmacy. 14(15-17), 2127- 2142 (1988).
2. Physicochemical Study of Terfenadine Glassy State.
M.Sheikh Salem, M.Hassan, H.Alkaysi, **T.Arafat**, A.Abumaloooh
and A.Badwan.
International Conference of Pharmaceutical Technology. Paris.
3. Levelling off the Effect of particle Size on Dissolution in Spironolactone
Tablets.
A.Badwan, Nabulsi, M. Saleh, and **T.Arafat**.
International Conference on Pharmaceutical Technology. Paris.
4. Bromhexine Determination by Diazotization Using Potentiometric Titration.
T.Arafat.
Analytical Letter, Vol. 2, 1990.
5. Physicochemical Properties of Ethinyloestradiol
E.Sallam, N. Salman, **T. Arafat**, and R. Zaru.
6th Pharmaceutical Technology Conference, Paris. June 1992
6. Dissolution Characteristics of Interactive Powder Mixtures.
E.Sallam, H.Ibrahim, M.Takieddin, T.Baghal, M.Saket, R.Awad
and T.Arafat.
8th Pharmaceutical Technology Conference, Monte Carlo. June 1994
7. Studies Relating to the Content Uniformity of Suppositories.
E.Sallam, H.Ibrahim, M.Takieddin M.Saket, R.Awad, **T.Arafat**
and M. Othman.
Drug Development and Industrial Pharmacy, 15(14-16), 2653-2673, 1989.



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8. A Bioequivalence Study of two Products of Ranitidine Tablets.
M.Saket, **T.Arafat**, R.Awad, H.Ibrahim, M. Saleh, E.Sallam,
S.Zmeili and M.Gharaibeh.
Current Therapeutic Research, Vol. 46, 5, 924-931, 1989.

 9. A bioequivalence Study of two Products of Dipyridamole Tablets.
T.Arafat, M.Saket, R.Awad, H.Ibrahim, M.Saleh, M.gharaibeh,
E.Sallam and M.Shber.
International Journal of Clinical Pharmacology Therapy and Toxicology. vol.
27, 11, 564-567, 1989.

 10. Analysis of Ranitidine in Plasma using High Pressure Liquid
Chromatography.
T.Arafat, M.Saket, R.Awad, M.Saleh, E.Sallam and M.Gharaiabeh
Alexandria Journal of Pharmaceutical Science. 1990.

 11. High Performance Liquid Chromatography (HPLC) Determination of
Nifedipine in Human Serum.
T.Arafat, Y.Al-Qussuis, H.Mouti, S.Zmieli, S.Judeh and O.Shaheen.
Dirasat, Vol. 17, Number 3, 1990.

 12. Terfenadine
A.Badwan, H.Alkaysi, L. Owis, M.Salem and **T.Arafat**.
"Analytical Profile of Drug Substances" .Vol. 19, 627-661, 1990.

 13. Some Formulation Aspects of Terfenadine Solid Dispersion.
A.Badwan, A.Abumalh, L.Owis, M.Salem, H.Alkaysi and **T.Arafat**
Eur. J. Pharm. Biopharm, 37(3), 166-170, 1991.



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14. Pharmacokinetics and Pharmacodynamics of Two Commercial Oral Nifedipine Products.
O.Shaheen, S.Zmeili, Y.Al-Qussuois, **T.Arafat** and H.Mouti.
International. J. of Clinical Pharmacology, Therapy and Toxocology. Vol.29 (9), 337-341, 1991.
 15. A Bioequivalence Study of Two Products of Furosemide Tablets.
R.Awad, **T.Arafat**, M.Saket, M.Saleh, M.Gharaibeh, S.Zmeili, E.Sallam, M.Shubair and S.Qobrosi
International J. of Clinical Pharmacology, Therapy and Toxocology.Vol. 30 (1), 18-23, 1992.
 16. Tenoxicam Polymorphic Modifications
L.Nabulsi, L.Owais, **T.Arafat** and A.Badwan.
6th International Conference on Pharmaceutical Technology, Paris, June, 1992.
 17. Pharmacokinetics and Pharmacodynamics of Two Oral Formulations of Metformin Hydrochloride.
T.Arafat, A.Kaddoumi, M.Shami and M.Yassin.
Advances In Therapy, Vol. 11, No.1, 21-33, 1994.
 18. A Bioequivalence Study of Two Brands Of Captopril Tablets.
T.Arafat, A.Kaddoumi, N.Al-Muhtasib, M.Shami, M.Yassin and A.Jehanli. Advances In Therapy, Vol. 11, No .6, 320-330, 1994.
 19. A Liquid Chromatographic Method For The Determination of Norfloxacin in Plasma.
T.Arafat.
Alex. J. Pharma. Sci., Vol. 9(1), February, 1995.
 20. Determination of Cisapride in Biological Samples.
T.Arafat, M.Shami, A.Kaddoumi, A.Badwan and M.Yassin.
Alex. J. Pharma. Sci., Vol., 9(1), February, 1995.



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21. Determination of Terfenadine in Commercial Dosage Forms By Spectrofluorimetry and High Performance Liquid Chromatography
T.Arafat and A.Kaddoumi.
Alex. J. of Pharma. Sci. Vol., 9 (2), 113 , June.1995.
 22. Determination of Captopril in Human Blood by an Enzyme - Linked Immunosorbent Assay.
A. Jehanli, **T. Arafat** and M. Al-Shami
J.Pharma. Pharmacology, Vol. 48, (914-917), 1996.
 23. Ibuprofen Sustained - Release Dosage Forms.
M.Gharaiabeh, **T.Arafat** and E. Sallam.
Clinical Drug Investigation, Vol.11, (3), 174 - 183, 1996
 24. Pharmacokinetic and Pharmacodynamic Profiles of Two Brands of Amlodipine Determined by Enzyme Linked Immunosorbent Assay
K.Matalaka, **T.Arafat**, T.El-Thaher, K. Qawasmeh, S. Shebli, M.Hamad and A. Badwan.
J.Pharm. Pharmacol. Commun. Vol. 6, 539- 544, 2000.
 25. Enzyme Linked Immunosorbent Assay for Determination of Amlodipine in Plasma
K.Matalaka, T.El-Thaher , Mohammad Saleem, **T.Arafat**, , Ahmed Jehanli and A. Badwan.
J.of Clinical Laboratory Analysis. Vol. 15, 47- 53, 2001.
 26. Assessment of a controlled release hydrophilic matrix formulation for metoclopramide HCl.
Enas Hasan, Bassam Amro, **Tawfiq Arafat**, Adnan Badwan
European Journal of Pharmaceutics and Biopharmaceutics 55 (2003) 339-344.



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27. Pharmacokinetics and pharmacodynamics profiles of enalapril maleate in healthy volunteers following determination of enalapril and enalaprilat by two specific enzyme immunoassays **T.Arafat, et al.**
Journal of Clinical Pharmacy and Therapeutics, June {2005}, 30, 1 - 10
28. Effect of Steric bulk and stereochemistry on the rates of diketopiperazine formation from N-aminoacyl-2,2-dimethylthiazolidine-4-carboxamide (dipeptideamides) – a model for a new prodrug linker system.
Ghadeer A.R. Suaifan , Mary F. Mahon, **Tawfiq Arafat**, and Michael D. Threadgill
Tetrahedron 62, (2006) 11245- 11266.
29. A trend of low serum Vit. B12 in Jordanian adults from two ethnic groups in Amman
Nancy Hakooz, Rana Abu- Dahab, **Tawfiq Arafat** and Mohammed Hamad.
Jordan Medical Journal, Vol; 40, no: 2 page 80-87 , 2006.
30. Validated liquid chromatographic–ultraviolet method for the quantitation of tadalafil in human plasma using liquid–liquid extraction.
Ashok K. Shakya a,* , Ahmed N.A. Abu-awwad b, **Tawfiq A. Arafat b**, Munther Melhim.
J. of Chromatography and biomedical Application
accepted 29 January 2007
31. *Synthetic approach to peptides containing the L-Gln-L Val-D(s) Dmt Motif*
Ghadeer A.R. Suaifan , **Tawfiq Arafat**, and Michael D. Threadgill
BioOrganic and Medicinal Chemistry, Volume 15, (2007), 3474 - 3488.



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32. Smoking behavior modulates pharmacokinetics of orally administered clopidogrel
A.M Yousef Ph.D, **Tawfiq Arafat, Ph.D**, N.R. Bulatova Md. Ph.D, and R.Al-Zumyli, B.Sc
Journal of Clinical Pharmacy and Therapeutics, (2008) 33, 439- 449.
33. Simultaneous Determination of Triprolidine and Pseudoephedrine in Human Plasma by Liquid Chromatography-ion trap mass spectrometry
Ashok K. Shakya*¹, **Tawfiq A. Arafat**^{2¶}, Ahmad N. Abu awwad², Munther Melhim², Jafar Al-Ghani² and Mahmoud J. Yacoub²
Journal of Chromatography B, 2009
34. Tamsulosin quantification in human plasma by high performance liquid Chromatography coupled to electrospray tandem mass spectrometry
Ashok K. Shakya¹, Nancy M. Hakooz, **Tawfiq A. Arafat**, Ahmed N.A. Abu-awwad, Jafar AbdEl-Ghani and Munther Melhim
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35. Simple and rapid HPLC method for the determination of alfuzosin in human plasma
Ashok K. Shakya¹, **Tawfiq A. Arafat**, Ahmad Abuawaad, Hamza Al-Hroub, Munther Melhim
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36. Genetic Analysis of Thiopurine Methyl Transferase Polymorphism in Jordanian Population
Nancy Hakooz, **Tawfiq Arafat**, Debbie Payne, William Ollier, Julie Andrews and William Newman
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37. Bioadhesive controlled metronidazole release matrix based on chitosan and xanthan gum.
Eftaiha Ala'a F; Qinna Nidal; Rashid Iyad S; Al Remawi Mayyas M; Al Shami Munther R; **Arafat Tawfiq A**; Badwan Adnan A
Marine drugs 2010;8(5):1716-30.
38. Enhancement of Oral Bioavailability of Insulin in Humans
Adnan Badwan, mayas Remawi, Amani Elsayed, **Tawfiq Arafat**, Munther Melhim, Omar Abu Hijleh, and naser Idkaidek,
Neuroendocrinology letters, Volume 30 No,1 , 2009, 101 - 105
39. Effect of Licorice Drink on the Systemic Exposure of Verapamil in Rabbits
Ibraheem D.Al-Deeb, **Tawfiq Arafat** and Yacoub M. Irshid
Drug Metabolism Letters,2010, 4, 173-179
40. Effect of Microgravity on the Pharmacokinetics of Ibuprofen in Humans
Nasir Idkaidek,Ph.D.* , **Tawfiq Arafat, Ph.D.**
Accepted for Publication,in Journal of Clinical Pharmacology, 2011
41. Influence of Genetic Variation in Enzyme CYP2C19 and the Effect on the Pharmacokinetic Profile of Lansoprazole, Screening the Allele frequencies of CYP2C19*1, CYP2C19*2 and CYP2C19*3 in the Jordanian Population.
Nancy Hakooz. Imad Zallom and **Tawfiq Arafat**
Oral Presentation in Kuwait, 2011
42. Effect of Mint Drink on metabolism of Nicotine as measured by Nicotine to Cotinine Ratio in Urine of Jordanian Smoking Volunteers
Abdulrahman Ghazi, Abdulazim Salhab, **Tawfiq Arafat**, and Yacoub irshaid
Nicotine and Tobacco Research, 2011, (1-7).



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43. The Effect of Ethyl Acetate Extracts of Pomelo Mix on Systemic Exposure of Verapamil in Rabbits.
Suad Aqel, Yacoub Irshaid, Munir Gharaibeh and **Tawfiq Arafat**
Drug Metabolism letters, 2011, 5, 92- 98
44. Genetic polymorphism of CYP2C19 in a Jordanian population: influence of allele frequencies of CYP2C19*1 and CYP2C19*2 on the pharmacokinetic profile of lansoprazole
Imad Zalloum • Nancy Hakooz • **Tawfiq Arafat**
Mol. Biol Rep, July 2011,
45. Plasma concentrations of 25-hydroxyvitamin D among Jordanians: Effect of biological and habitual factors on vitamin D status
Eyad M Mallah^{1*}, Mohammad F Hamad², Mays A ElManaseer³, Nidal Qinna², Nasir M Idkaidek³, **Tawfiq A Arafat¹** and Khalid Z Matalka²
BMC Clinical Pathology 2011, 11:8
46. Metformin IR versus XR Pharmacokinetics in Humans
Nasir Idkaidek, **Tawfiq Arafat**, Munther Melhim , Jaafar Alawneh and Nancy Hakooz
Journal of Bioequivalence & Bioavailability (accepted)
47. UDP-glucuronosyltransferase 1A4(UGT1A4)polymorphisms in a Jordanian population.
Nancy Hakooz, Sameh Alzubiedi, Al-Motassem Yousef, **Tawfiq Arafat**, Rana Dajani, Nidaa Ababneh, Said Ismail
Mol. Bioi Rep. 25, February, 2012.