

CURRICULUM VITAE

Dr Ghadeer Abdul Rahman Suaifan

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Tabarbor, Amman, Jordan

PERSONAL DETAILS

Date of Birth: 1973

Sex: Female

Nationality: Jordanian

Marital Status: Married (Three son)

Number of sons: 3

Ages : 2, 9 and 10 years

Languages: Arabic (fluent), English (fluent).

CAREER HISTORY

- 2005 to date **Faculty of Pharmacy, The University of Jordan, Amman, Jordan,**
Assistant Professor of Medicinal Chemistry and Pharmaceutical
Instrumental Analysis.
- 2004 – 2005 **Faculty of Pharmacy, Philadelphia University, Amman,**
Assistant Professor of Medicinal Chemistry and Pharmaceutical
Instrumental Analysis
- 2000-2004 **Department of Pharmacy and Pharmacology, School of Pharmacy,**
University of Bath, Bath, UK
PhD Student, Teaching assistant
- 1996 – 2000 **Faculty of Pharmacy, Petra University, Amman, Jordan,**
Lecturer and Research Assistant

RESEARCH INTERESTS

Instrumental Analysis

- * Synthesis and Isolation of organic active compounds.
- * Structure elucidation using different spectroscopic methods (NMR, MS, UV and IR).
- * Crystallography studies
- * Chromatography Separation, Purification, and HPLC release studies and analysis.

Medicinal Chemistry

* Study of the steric bulk and stereochemistry effect on the rates of diketopiperazine formation from N-aminoacyl-2,2-dimethylthiazolidine-4-carboxamides (5,5-dimethyl-3-thiaproline dipeptide amides) - a model for a new prodrug linker system, in collaboration with University of Bath-UK.

* Optimization of linker/clip technology in the design of a new prodrug system for the treatment of Prostate Cancer

* Discovery of new selective and potent Nitric Oxide Synthase Inhibitors through molecular modelling and in-silico Screening and in vitro evaluation and subsequent chemical optimization of more potent leads.

RESEARCH RESPONSIBILITIES

My main responsibilities are planning, design, synthesis and analysis of medicinal targets for the treatment of prostate and blood cancer.

PUBLICATIONS

1- Suaifan, G. A. R. Y; Mahon, M. F.; Arafat, T.; Threadgill, M. D. Effects of steric bulk and stereochemistry on the rates of diketopiperazine formation from N-aminoacyl-2,2-dimethylthiazolidine-4-carboxamides (Dmt dipeptide amides)—a model for a new prodrug linker system. *Tetrahedron*. **2006**, 62, 11254-11266.

2- Suaifan, G. A. R. Y; Arafat, T.; Threadgill, M. D. Synthetic approaches to peptides containing the L-Gln-L-Val-D(S)-Dmt motif. *Bioorg. Med. Chem*, **2007**, 10, 3474-3488.

RECENT INVITED CONFERENCE LECTURES

* The 4th International Conference of the Royal Medical Services, Amman-**Jordan**, May-2008 “*Enzymatic prodrug delivery targeting of amine containing antitumor agents*”

* ACS National Meeting and Exposition (Division of Medicinal Chemistry) in Chicago, IL, **USA**. March– 2007 “*Synthesis of a new prodrug linker system used for selective delivery of drugs to prostate cancer*”

* XVth European Conferences of GP2A, University Of Bath, **Uk** September-2006 “*Synthesis of diketopiperazine from N-aminoacyl-2,2-dimethylthiazolidine-4-carboxamides (Dmt dipeptide amides)- a model for a new prodrug linker system used for selective delivery of drugs to prostate cancer*”