



## **1- MU\_FSCI\_CHEM\_INOR\_DATA\_ Omar.Ahmed**

**Name : Omar Sayed Ahmed**

**Legal status: married**

**Nationality: Egyptian**

**Date of birth: 08 th July 1966**

**Place of birth: Menoufia, Egypt**

### **EDUCATION:**

Now – Associate professor, Department of Chemistry, Menoufia University, Shebin El-kom, Egypt.

- **2007 - 2005** as a post-doctoral student I did my research within the Medicinal chemistry group, Department of Pharmaceutical Sciences, University of Antwerp, Antwerp – Belgium.
- **2004 - 2002** Lecturer & Researcher, Department of Chemistry, Faculty of Science, Menoufia University, Shebin El-Kom, Egypt.
- **2002 - 2001** Postdoctoral fellowship, University of Syddansk, Institute of Chemistry, Denmark.
- **2001 - 1998** Lecturer & Researcher, Department of Chemistry, Faculty of Science, Menoufia University, Shebin El-Kom, Egypt.

**1998 - 1994** Doctor of Chemistry (Ph.D.)

*Menoufia University, Faculty of Science, Department of Chemistry*

- The Ph.D thesis entitled "Synthesis of new Nucleosides and Nucleotides with Expected Antiviral Activity" I did under supervision of Prof Dr. Erik B. Pedersen (Syddansk

University, Denmark) and Prof Dr. Ibrahim F. Zeid (Menoufia University, Egypt).  
The major part of the thesis was carried out in Denmark (Nov 1995 - Dec 1997).

- I received my Ph.D degree *summa cum laude*.

Now – Associate professor, Department of Chemistry, Menoufia University, Shebin El-kom, Egypt.

**2007 - 2005** as a post-doctoral student I did my research within the Medicinal chemistry group, Department of Pharmaceutical Sciences, University of Antwerp, Antwerp – Belgium. ▪

**2004 - 2002** Lecturer & Researcher, Department of Chemistry, Faculty of Science, Menoufia University, Shebin El-Kom, Egypt. ▪

**2002 - 2001** Postdoctoral fellowship, University of Syddansk, Institute of Chemistry, Denmark. ▪

**2001 - 1998** Lecturer & Researcher, Department of Chemistry, Faculty of Science, Menoufia University, Shebin El-Kom, Egypt. ▪

**1998 - 1994** Doctor of Chemistry (Ph.D.)

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The major part of the thesis was carried out in Denmark (Nov 1995 - Dec 1997). ▪

I received my Ph.D degree *summa cum laude*. ▪

**1994 - 1992** Master of Science (M.Sc.)

My M.Sc. diploma thesis entitled "Synthesis of Heterocyclic Compounds with Expected Biological Activity" I carried out in the Organic Chemistry Group under supervision of Prof Dr. Ibrahim F. Zeid (Professor). ▪

**1991-1988** Assistant Researcher, Air Pollution Department, NRC, Dokki, Cairo, Egypt. ▪

**1987-1983** I graduated from the home university with honour. ▪

On the last year of my M.Sc.study I was employed as a junior assistant in the Group of Organic Chemistry. My duty and fun was to teach young students fundamentals of organic chemistry in the course of the student's seminars. ▪

I belonged to the top of 5% students of my class. ■

Chemistry technician

My specialization was directed towards an Organic Chemistry. ■

During the last years I was training in medicinal chemistry, Antwerpen University as well as in ■  
air pollution, National Research Centre, Cairo, Egypt.

**EMPLOYMENT: 2007 - 2005** I was working as the full-time postdoctoral research in the Medicinal chemistry group. Department of Pharmaceutical Science, Antwerp University, Antwerp, Belgium.

**2005 - 2002** Lecturer & Researcher, Department of Chemistry, Faculty of Science, Menoufia University, Shebin El-Koam, Egypt.

**2002 - 2001** Postdoctoral fellowship, University of Syddansk, Institute of Chemistry, Denmark.

**2001 - 1998** Lecturer & Researcher, Department of Chemistry, Faculty of Science, Menoufia University, Shebin El-Koam, Egypt.

**1997 - 1995** Egyptian fellowship, University of Odense, Institute of Chemistry, Odense, Denmark.

**1995 - 1991** Assistant Lecturer, Department of Chemistry, Faculty of Science, Menoufia University, Shebin El-Kom, Egypt.

**1991 - 1988** Assistant Researcher, Air Pollution Department, National Research Centre, Cairo, Egypt.

**RECEIVED AWARDS:** Fellowship of Antwerp University, Department of ■  
Pharmaceutical Sciences for post-doctoral students (2005)

Fellowship of DANIDA (Denmark) to Institute of Chemistry, Syddansk University (2001) ■

Fellowship of the Egyptian Ministry of Higher Education (Ph D study) to the ■  
Department of Chemistry, Odense University, Denmark (1995)

Giving a lectures in Department of Biochemistry, Faculty of Veterinary on the ■  
University of Menoufia, Egypt from the Dean (2003)

**LANGUAGES:** English – fluent in speaking, writing and reading ■

Dutch– moderate in speaking, writing and reading ■

German – basic ■

French – basic ■

Arabic – mother tongue ■

## 2- MU\_FSCI\_CHEM\_INOR\_LINK\_Omar.Ahmed

- SKILLS AND EXPERIENCE: Performing chemical experiments, purification and identifications.
- Practice in the mass spectrometry as well as in the art of organic synthesis.
- Using computers programs, e.g. Microsoft Office, Beilstein Reactions, Isis Draw, ChemWindow, HyperChem, Science Finder and Internet.
- Operating LC-Ms, HPLC, IR, Flash Master, DNA synthesizer and NMR. Skills in analytical techniques e.g.  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR, 2D NMR, FT-IR and chromatographic separations

Quick learning of foreign languages and state of the art trends in sciences.

### HOBBY:

- Chemistry, chemistry .....
- High-tech in the Spectrometric analysis
- Sport – especially cycling, football, table tennis

Reading books both classical and scientific

### MEMBERSHIP:

Egyptian Society of Heterocyclic Chemistry

### PUBLICATIONS:

#### Articles in international journals

- Small, potent and selective diaryl phosphonate inhibitors for urokinase-type plasminogen activator with in vivo anti-metastatic properties, Jurgen Joossens, **Omar M. Ali**, Ibrahim El-Sayed, Georgiana Surpateanu, Pieter Van der Veken, Anne-Marie Lambeir, Buddy Setyono-Han, John A. Foekens, Anneliese Schneider, Wolfgang Schmalix, Achiel Haemers, Koen Augustyns; *J. Med. Chem.*, **2007**, 50, 6638.
- Amino Acid Derivatives, V [1]: Synthesis and Antiviral Evaluation of New  $\alpha$ -Amino Acid esters bearing  $\alpha$ -D-Mannofuranoside Side Chain. **Omar M. Ali** and Adel A.-H. Abdel-Rahman, *Monatsh. Chemie*, **2008**, 139, 53.
- Synthesis of N4- $\beta$ -D-glycoside cytosines and sugar N4-acetylcytosin-1-ylmethylhydrazones as antiviral agents, **Omar M. Ali**, Hamada H. Amer and Adel A.-H. Abdel-Rahman, *J. Chem. Res.*, **2007** (May), 281-283.

#### Articles in international journals

- Small, potent and selective diaryl phosphonate inhibitors for urokinase-type plasminogen activator with in vivo anti-metastatic properties, Jurgen Joossens, **Omar M. Ali**, Ibrahim El-Sayed, Georgiana Surpateanu, Pieter Van der Veken, Anne-Marie Lambeir, Buddy Setyono-Han, John A. Foekens, Anneliese Schneider, Wolfgang Schmalix, Achiel Haemers, Koen Augustyns; *J. Med. Chem.*, **2007**, 50, 6638.

- Amino Acid Derivatives, V [1]: Synthesis and Antiviral Evaluation of New  $\alpha$ -Amino Acid esters bearing  $\alpha$ -D-Mannofuranoside Side Chain. **Omar M. Ali** and Adel A.-H. Abdel-Rahman, *Monatsh. Chemie*, **2008**, 139, 53. ■
- Synthesis of N4- $\beta$ -D-glycoside cytosines and sugar N4-acetylcytosin-1-ylmethylhydrazones as antiviral agents, **Omar M. Ali**, Hamada H. Amer and Adel A.-H. Abdel-Rahman, *J. Chem. Res.*, **2007** (May), 281-283. ■
- Synthesis and Antiviral Evaluation of Some Sugar Uracil-1-ylmethylhydrazones and Their Oxadiazoline Derivatives, **Omar M. Ali**, Hamada H. Amer, Adel A.-H. Abdel-Rahman, *SYNTHESIS*, **2007**, No (18), 2823. ■
- Synthesis of N2-Arylisocytidines and N2-Aryl-2'-deoxyisocytidines. **Omar M. Ali**, *Monatsh. Chemie*, **2007**, 138, 917. ■
- Amino Acid Derivatives, Part 4: Synthesis and Antiviral Evaluation of New  $\alpha$ -Amino Acid esters bearing Methyl  $\beta$ -D-Ribofuranoside Side Chain. Ibrahim A. I. Ali, **Omar M. Ali**, and Adel A.-H. Abdel-Rahman, *Monatsh. Chemie*, **2007**, 138, 909. ■
- Generation and Cyclization of Thiocarbonyl S-Ylides by Reaction of Diazocompounds with C-Sulfonyldithioformates. Ahmed F. Khattab, **Omar M. Ali** and Ibrahim El-Sayed, *Heteroatom Chemistry*, **2007**, 18 (1), 28. ■
- Diphenyl Phosphonate Inhibitors for the Urokinase-Type Plasminogen Activator: Optimization of the P4 position. Jurgen Joossens, Pieter Van der Veken, Georgiana Surpateanu, Anne-Marie Lambeir, Ibrahim El-Sayed, **Omar M. Ali**, Koen Augustyns and Acheil Haemers, *J. Med. Chem*, **2006**, 49, 5785. ■
- Diels-Alder Reactions of Anthracenes with C-Sulfonyldithioformates. Ibrahim El-Sayed, **Omar M. Ali**, Anderas Fischer and Alexander. Senning, *Heteroatom Chemistry*, **2003**, 14 (2), 170-174. ■
- Synthesis of phosphoramidites of some nucleosides. Ahmed Abdel Mageed, **Omar M. Ali** and Erick B. Pedersen, *Bullten of the faculty of Science, Mansoura University*, **2002**, 28 (1), Supp., 2, April. ■
- Preparation of Oligonucleotides containing of 5-(N-methylpiperaziny) and 5-benzyloxymethyluracils. Ahmed E.-S. Abdel Megied, **Omar M. Ali**, Thomas Kofoed and Erik B. Pedersen, *Nucleosides and nucleotides*, **2001**, 20 (1,2), 1. ■
- Synthesis of 5-modified Uridine and their incorporation into oligonucleotide. Ahmed E.-S. Abdel Megied, **Omar M. Ali** and Erik B. Pedersen, *Fifth Mansoura Conference of chemistry and its rule in the enviroment* **2000**. ■
- Stabilizing a DNA three-way Junctionby insertion of N4-Aryl-2-deoxy-5-methylcytidines. **Omar M. Ali** and Erik B. Pedersen, *Acta Chemica Scandinavica*, **1999**, 53, 497. ■
- Targeting of Nucleic acid junction: Addressing to a branch point an oligonucleotide 14. conjugated with an Intercalator. **Omar M. Ali**, Thomas Franch, Kenn Gerdes and Erik B. Pedersen, *Nucleic Acid Research*, **1998**, 26 (21), 4919. ■
- Insertion of 5-methyl-N4-(1-pyrenylmethyl)cytidine into DNA duplex, three-way junction and triplex stabilities. Adel A.-H. Abdel-Rahman, **Omar M. Ali**, Erik B. Pedersen, *Tetrahedron*, **1996**, 52 (48), 15311. ■
- Reaction with sultones, synthesis of butane-1,4-sultone derivatives. I. Zeid, I. Imam Ismail, A. H. abdel-Aleem and **O. Makram**, *3th chemistry conference, Fac. Sci. Mans. Univ.* **1994**, pp1-7, April 27-29. ■

## Conferences and Meetings:

- **September 1994** Egyptian Heterocyclic Chemistry (one day meeting), Cairo University, Egypt.
- **May 1996** Danish Chemical Society Congress (two days), School of Pharmacy, Copenhagen University, Denmark.
- **February 1997** Ph D Student Conference (two days) Aarhus University, Denmark.
- **May 1997** Danish Chemical Society Congress (two days), Institute of Chemistry, Odense University, Denmark.
- **October 1998** IBN Siena International Conference (three days) Alexandria, Egypt .
- **September 1999** Egyptian Heterocyclic Chemistry (one day meeting), Ain Shams, Egypt.
- **September 2000** Egyptian Heterocyclic Chemistry (one day meeting), Cairo University, Egypt.
- **May 2002** Danish Chemical Society (two days) Aarhus University, Denmark.
- **September 2004** Egyptian Heterocyclic Chemistry (one day meeting), Ain Shams, Egypt.
- **September 2005** International Congress of Medicinal chemistry (two days), Antwerp University, Belgium.
- **November 2006** Ph D student meeting (two days), Namur, Belgium.

**February 2007** Sigma-Aldrich meeting (two days), Spa, Belgium