

Laila Mahmoud Mohamed Gad (Ph. D)

Associate Prof. Pharmaceutical Organic Chemistry

% Personal information:

Date of birth	Jan., 10, 1948
Place of Birth	Alexandria - EGYPT
Religion	Muslim
Nationality	Egyptian
Social Status	Married, two sons & two daughters
Foreign Languages	English (Excellent) + Arabic (Native language)

% Academic Qualifications:

1971 **B. Sci.** Pharmaceutical Science (very good with honor),
Faculty of Pharmacy, University of Alexandria.

1980 **M.Sci.** Pharmaceutical Organic Chemistry,
Faculty of Pharmacy, University of Mansoura.
*“Synthesis and Characterisation of Some Heterocyclic
Sulphonyl Ureas as Antidiabetic Agents”*
A. A. Abou Ouf, M. M. El-Kerdawy, A. M. Farghaly and L.M.Gad

1984 **Ph. D.** Pharmaceutical Organic Chemistry,
Faculty of Pharmacy, University of Mansoura .
*“Synthesis and Structural Elucidation of Certain
Antimonial Schistosomocidal Agents”*
M. M. El-Kerdawy and L. M. Gad

% 1991 Post-Doctorate Research Abroad:

Postdoctorate Research Fellowship; Medicinal Chemistry Department, School of Pharmacy, Medicinal College of Virginia, Virginia Commonwealth University. **Richmond, Virginia, USA** for six months , (May-Nov. 1991) ,in the lab.of Prof . Dr. **R. A. Glennon.**

% Professional Experiences:

2002 - Associate Prof. Pharmaceutical Organic Chemistry.
Faculty of Pharmacy, King Abdul-Aziz University, Jeddah, KSA.

- 1995 Associate Prof. Pharmaceutical Organic Chemistry.
- 1984 Assistant Prof. Pharmaceutical Organic Chemistry.
- 1980 Assistant Lect. Pharmaceutical Organic Chemistry.
- 1974 Research Associate & Graduated Teaching Organic Chemistry,(Domenstrator).
- 1971 Research Associate & Graduated Teaching Pharmacognosy,(Domnstrator).

“All these positions (1971 – 2002) are in the Faculty of Pharmacy,Mansoura University, Mansoura, Egypt ”

% Visiting Professor:

Visiting Prof. for teaching Pharm. Organic Chemistry in Dubai Pharmacy College
Dubai ,UAE. (Oct. 1993 - July 1994).

% Consultant Advisory Position:

1. M. Sci. Degree Supervision:

“ Some Quinoxaline and Triazole Derivatives as Antimicrobial Agents Synthesis and Characterization ” (1987-1991) .
M. M. El-Kerdawy, A. Tantawy , [L.M. Gad](#) and E. Rady.

2. M. Sci. Degree Supervision:

“ Development of Heterocyclic Sulphur Compound of Physiological Interest ” (1989-1992) .
M. M. El-Kerdawy , M.A. Mustafa , [L.M. Gad](#) and S. E. Badr.

3. Ph. D. Degree Supervision:

“ Synthetic Studies of (-)-Cephalotaxine ” (1995-1999) .
M. Ikeda , S. M.Bayomi , I. A. Shehata , A. M. Abdelal , [L.M.Gad](#)
and S. A. El-Bialy

4. M. Sci. Degree Supervision:

“ Synthesis of Certain I-Adamantly Derivatives of Expected Pharmacological Activity ” (1997 - 2002)
A.A. El-Emam , [L.M.Gad](#) , A.M. Barghash and G.S.Hafez

% Conferences Attended as active participant :

- 1 • 1980 **XVI Con. of Pharmaceutical Science. (oral presentation)**
Dar El-Hekma, Cairo, Egypt. Feb. 24-27 (1980).

- 2 • 1985 **First International Con. of Applied Science.(oral presentation)**
University of Zagazig, **Zagazig, Egypt**. March 30 -1 April (1985).
- 3• 1991 **43 rd Southeast Regional Meeting American Chemical Society**
Richmond , Virginia , USA . Nov.12 – 15 (1991) (*audient*)
- 4• 1994 **XXIV Conf. of Pharmaceutical Science. (oral presentation)**
International Conference Center ,**Cairo , Egypt** , December 20 -22 (1994).
- 5• 2002 **VIII Ibn Sina Inter.Conf.On Pure and Applied Heterocyclic Chemistry.**
Isis Hotel , **Luxor ,Egypt** . Feb. 16 -19 (2002) . (Poster presentation)
- 6• 2002 **Advancing Pharmaceutical Care in Saudi Arabia**
Helton Hotel **Jeddah,KSA** , October 21-23 (2002) (*audient*)
- 7• 2007 **The 7th International Saudi Pharmaceutical Conference.**
El-Faisalia Hotel, Rayadah, KSA, March 19-21 (2007).

% **Workshop Attended:**

- 2005 **Means to Implement the Document Of Views of Prince Abduallah bin Abdul-Aziz on Higher Education**
Great Confrence Hall , king Abdul-Aziz University, **Jeddah, KSA**
19 - 21 Dhu Al-Hijjah 1425 H 30 january - 1 February 2005 G
- 2007 **Problem Based learning**
Quality Programs for Faculty Development - king Abdul-Aziz University
6-7,10/safar/1428H24-25,28/2/2007G

% **Training courses & Skills :**

- 2003 **N.L.P Course(First level)** 5/2003 ,KAU Hospital ,Jeddah , KSA.
- 2004 **Mirosoft Excel** 22/2/2004 - 14/3/2004 (2 Hrs / week)
Computer lab. Faculty of Medicine KAU, Jeddah , KSA.
Windows 11/ 9 /2004 - 14/ 9 /2004;(12 Hrs for the course)
Computer lab. Faculty of Art, KAU, Jeddah , KSA.
Word Program 18/ 9 /2004 - 22/ 9 /2004 (12 Hrs for the course).
Computer lab.Faculty of Art,KAU,Jeddah,KSA.
- **Computer-Aided Drug Design** , Computer lab.(boys),Faculty of Pharmacy,KAU.
- 2005 **Introduction to Statistic** 14/ 2 /2005 -15/ 2 /2005
Education Development Center ,KAU,Jeddah,KSA

% **Scientific Professional Membership:**

Egyptian Pharmaceutical Society.

% **Published Books & Experimental notes:**

Notes in Theoretical & experimental Organic Chemistry for Pre- , First and Second Years with other staff members in Pharmaceutical Organic Chemistry Department , Faculty of Pharmacy, Mansoura University

% **Teaching Experiences :**

Pharmaceutical Organic Chemistry courses for graduate and post-graduate students.

□ Basic course of Pharmaceutical Organic Chemistry cover the following topics:

Introduction,Hydracarbons:

1. Carbon Compounds ; Structures & Properties: Hyberidization , Bonding...etc.
2. Chemical Reactivity and types of Organic Reactions
3. Alkanes and Cycloalkanes, Alkenes & Alkynes & Dienes

Stereochemistry

Aliphatic Compounds & Aromatic Compounds:

- 1- Benzene & Aromaticity
- 2- Electrophilic Aromatic Substitution reactions
- 3- Alcohol ,Thiols ,Ethers , Epoxides,Phenol
- 4- Carbonyl Compounds :- Aldehydes & Ketones
- 5- Carboxylic acids and their derivatives
- 6- Sulphonic acids & Sulphonamides
- 7- Amines & Nitrocompounds

Polynuclear Aromatic Compounds.

- 1- Biphenyl & Its derivatives , Atropisomerism
- 2- Naphthalene,Anthracene,Phenanthrene & their derivatives

Macro-molecules: Carbohydrate , Lipids ,Polymers
Amino Acids :Peptides ,Nucleic acids &proteins

Chemistry of Heterocyclic Compounds

- 1- Introduction , Classification & Nomenclature.
- 2- 5-membered rings : Pyrrole, Furan ,Thiophene , Imidazole ,Indoleetc.
- 3- 6-membered ring : Pyridine & its derivatives
- 4- Quinoline & Isoquinoline
- 5- 7-membered ring, Fused rings.
- 6- Purine .Uric acid,...etc.

Spectroscopy :IR, UV, NMR and MS.

% Research Interests:

Synthesis of novel heterocyclic pharmaceutical organic compounds of possible pharmacological activity in the following areas:

**Hypoglycemic - hypolipidemic - antihypertensive agents - Anticancer.
Antimicrobial - Antiviral (virus Hepatitis - Aids - Flu) - Antibilharzial
- agents of potential CNS activity.**

% Research Projects:

1 • 2005

Design and Synthesis of Aryloxyalkylamines as 5-HT_{1B} Agonist to be tested as Analgesic with Possible Antimigraine Activity.

Abdelkader M. Ismaiel, Mohamed A. Moustafa, [Laila M. Gad](#) & Fayda H. Bamanie
Faculty of Pharmacy , KAAU ,Jeddah ,KSA.

Sponser: Institute of Research & Consultation, king Abdul-Aziz University.

Research Number 440 / 425 (One period for 9 month)

period of project: 1 / 12 / 1425 H ----- 25 / 10 / 1426 H

2 • 2006

Design and Synthesis of Some Cyclic and Acyclic Imides for Hypolipidemic Activity.

Faida H. Bamanie, Zohier El-Marzooki, Mohamed A. El-Zahaby & [Laila M.Gad](#) .

Faculty of Pharmacy , KAAU ,Jeddah ,KSA.

Sponser: Institute of Research & Consultation, king Abdul-Aziz University.

Research Number 426 / 048 (One period for 12 month)

Period of project: 15 / 1 / 1427 H ----- 1 9 / 1 / 1428 H

3 • 2007

Research Proposal: Design and Synthesis of Naphthalimides as PPAR α Agonist.

Antihyperlipidemic, and Antiatherosclerotic Agents.

Laila M.Gad, Magdy M. Ginienah, Mohamed A. El-Zahabi, Faida H. Bamanie,
Zohier El-Marzooki, and Salah A. Ghareib.

Faculty of Pharmacy, KAAU, Jeddah, KSA.

Sponser: Deanship of Scientific Research, king Abdul-Aziz University.

% Activities

دورات يعقدها مركز تطوير التعليم الجامعي -جامعة الملك عبد العزيز-جدة:

- 2004 دورة الخارطة الذهنية 2004/4/5
دورة إعداد ملف المادة الدراسية 2004/9/25
2005 دورة تحفيز القدرات وتوجيها نحو تدريس فعال 2005/4/3
دورة كيف نقاوم القلق 2005/9/11
أساليب التقييم المختصة بالاختبارات 2005/9/27 -2005/9/25
2006 ورشة عمل كيف تخطي و تصمى مادتك الدراسية بفعالية- وكالة التعليم عن بعد
"تجربة أعضاء هيئة التدريس المنتدبات لجامعة فرجينيا تك" 4/4/2006

% Mailing Address:

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Jeddah,KSA 02- 6292786

Mobile

Jeddah,KSA : 0507675915
Egyt :002-0101997814 or 002-0123572032

Home Address

University Buildings, Block 7, Flat 5, Geehan

E-Mail Address

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lgad@kaau.edu.sa
gad_laila@hotmail.com

Website

www.lailagad.eu.kz

List of Publications

1. "Sulphonyl Ureas and Thioureas of 1,3,4- Thiadiazole to be tested as Hypoglycemic agents"

A. A. Abou Ouf , M. M. El-Kerdawy , A. M. Farghaly and [L. M. Gad](#)
Egypt.J Pharm.Sci., 21, No. 3-4 p.189-198 (1980).

2. "Synthesis of Certain Organo-Trivalent Antimonials as Potential Schistosomocidal Agents"

M. M. El-Kerdawy and [L. M. Gad](#)
First Int. Conf. Applied Sci. ,Zagazig Univ. vol. 1 p 141-157 (1985)

3. "Synthesis of Novel Imidazotetrazepine Derivatives for Potential CNS Activity "

A.Tantawy , [L. M. Gad](#) , A.M. Barghash and M. Tayel.
Alex. J. Pharm. Sci. vol. III (2) p.145-147 September (1989).

4. "2,4,5-Trisubstituted Pyrimidin-6-ones of Potential Antimicrobial Activity."

A. Tantawy , M. Tayel , [L. M. Gad](#) and M. B. El-Ashmawy.
Alex. J. Pharm. Sci. vol. III (2) p.173 -175 September (1989).

5. "Imidazodiazepine Derivatives of Chemotherapeutic Interest."

A.Tantawy and [L.M. Gad](#)
Mans. J. Pharm. Sci. vol. 7, No. (1) p. 134-145 (1991).

6. "Synthesis and Characterization of 1,2,4-Triazolo [4,3-a] quinoxalines & 1,2,4-Triazolo-s-Triazines as potential Antimicrobial Agents."

M. M. El-Kerdawy, A. Tantawy, [L. M. Gad](#) and E. Rady.
The Chinese Pharm. J. 43 (5) ,355-364(1991).

7. "Further Investigation of 5-Phenylpentylamine Derivatives as Novel Sigma Receptor Ligands ."

M. El-Ashmawy, S. Y. Ablordeppey, H.Issa, [L. M. Gad](#), G. B. Fisher , K. J. B. Howie and R. A. Glennon.
J. Med. Chem. Res. (2) p. 119-126 (1992).

8. "Synthesis of Novel Thiazalopyrimidine & Thiazalothiazine Derivatives. "

M. M. El-Kerdawy , M.A. Mustafa , [L.M. Gad](#) and S. E. Badr.
Bull. Fac. Pharm. Cairo Univer. Vol. 31, No. (1) p. 67-74 (1993).

9. "Further Investigation of Quinoxalines, Synthesis & Characterization."

[L. M. Gad](#)
Mans. J. Pharm. Sci vol. 10, No. (2) p. 237-253 (1994).

10. “Synthesis of Certain New Pyridine Derivatives of Possible Pharmacological Activity.”

[L. M. Gad](#) and F. E. Goda.

Mans. J. Pharm. Sci. vol. 12 , No. (1) p. 110-117 (1996).

11. “ A Formal Total Synthesis of (-)-Cephalotaxine “.

M. Ikeda , S. A. El-Bialy, K. Hirose , M.Kotake , T. Sato ,S. M.. Bayomi , , I. A. Shehata,

A. M. Abdelal , [L. M. Gad](#) and T.Yakura

Chem.Pharm.Bull.47(7)983-987(1999).

12. “Efficient formal total synthesis of (-)-Cephalotaxine using reductive intra-molecular Heck reaction and optical resolution”.

S.A.A. El-Bialy, M. A. Ismail, [L. M.Gad](#), and A. M.M. Abdelal.

Med.Chem.Res. ,11(5) , 293-300 (2002)

13. “Synthesis and Biological Activity of Certain 1- Adamantyl Derivatives”

A.A. El-Emam, [L.M.Gad](#), A.M. Barghash and G.S.Hafez (Under Publication)

14. “Design and Synthesis of Aryloxyalkylamines as h5-HT1B Agonists with Potential analgesic activity”.

A. M. Ismail,M.A.Moustafa , [L. M.Gad](#), and F.H.Bamanie.(Under Publication)

15. “Synthesis of Piperazino and Morpholino Derivatives of Aryloxypropane with Potential analgesic and Possible antimigraine activity”.

A. M. Ismail,M.A.Moustafa , [L. M.Gad](#), and F.H.Bamanie.(Under Publication)

16. “Synthesis of Some new derivatives of Cyclic Imides for Hypolipidemic Activity”.

Mohamed A. Al-Zahabi, [Laila M. Gad](#), Faida H. Bamanie, and Zohair Al-Marzooki.(Under Publication)