

Name: Hosny Fouad Mohamed

Title: Professor (Biochemistry & Bioenergetics)

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Biography

QUALIFICATIONS

- | | |
|------|---|
| 1971 | PhD (Biochemistry & Bioenergetics),
Moscow State University, USSR |
| 1964 | B. Pharm & Pharmaceutical
Chemistry
Faculty of Pharmacy, Alexandria
University |

POSTS HELD & CAREER BACKGROUND

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|-------------------------|--|
| Aug 2009 – till present | Vice Dean – Faculty of Pharmacy,
PUA |
| Jan 2009 – July 2009 | Vice President, Higher Studies &
Research, PUA |
| 2006 – Dec 2008 | Vice Dean – Faculty of Pharmacy,
PUA |
| 1985 -2006 | Professor of Biochemistry, Faculty of
Pharmacy, Alexandria University |
| 1979 – 1985 | Associate Professor (Biochemistry),
Faculty of Pharmacy, Alexandria
Univ. |
| 1972 – 1979 | Lecturer (Biochemistry), Faculty of
Pharmacy, Alexandria University |
| 1964 – 1967 | Instructor (Demonstrator), Dept of
Pharmacognosy, Faculty of Pharmacy,
Alexandria University |

FELLOWSHIPS, RESEARCH ASSOCIATIONS AND VISITS:

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| 2003 – 2005 | Head, Pharmacy School, College of |
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	Technology, Muscat, Oman.
1997 - 2003 Health,	Head of Basic Sciences Dept, Institute of Health Sciences, Ministry of Muscat, Oman.
1992 - 1997	Visiting Professor, Oman Assistant Pharmacy Institute (OAPI), Ministry of Health, Muscat, Oman (6 terms each for 3 months / yr).
1991 Pharmacy, term	Visiting Professor, College of Beirut Arab University, Lebanon (one for 3 months).
1989 - 1991 College Tripoli,	Professor, Dept. of Pharmacology, of Pharmacy, Tripoli University, Libya.
1983 - 1985	Staff Member, Dept. of Pharmacology, College of Pharmacy, King Saud University, KSA.
1977 - 1979	Post-doctoral Fellowship, Dept. of Biochemistry, College of Medicine, University of Iowa, Iowa, USA.
1967 - 1971	Scholarship, Dept. of Biochemistry, Moscow State University, USSR.
COMMITTEES, SOCIETIES AND ASSOCIATIONS:	
1995 till present for Assistant	Member of the Permanent Committee for Promotion of professorships & Professorship in Biochemistry (Egypt).
1978 – till present Pharmaceutical	- Member of the Egyptian Society.
Pharmacists	- Member of the Syndicate of of Egypt.
Pharmacists	- Member of the Syndicate of of Alexandria.
	- Member of the Egyptian Biochemical

	<p style="text-align: center;">Society</p> <p>1977 – till present - Member of Biochemistry and Bioenergetics Association, USA.</p> <p>1975 – till present - Member of editorial Board of Faculty of of Pharmacy Scientific Journal.</p> <p>INSTITUTIONAL ESTABLISHMENTS:</p> <ol style="list-style-type: none"> 1. Took share in the establishment of Oman Assistant Pharmacy Institute (OAPI), Ministry of Health, Muscat, Oman - 1992. 2. Establishment of a new Pharmacy Dept. at the Higher College of technology, Ministry of Manpower 2002 , aiming at the graduation of competent Omani Assistant Pharmacists. <p>TEACHING CAPABILITIES & EXPERIENCE: The teaching experience extended for more than 40 years</p> <ol style="list-style-type: none"> 1. Biochemistry Courses: <ol style="list-style-type: none"> a) Human biochemistry for undergraduate pharmacy students b) A case-oriented approach course (clinically-oriented) c) Applied Biochemistry & Chemical Pathology (for students applying for the Diploma of Biochemical Analysis) d) Advanced Course of Biochemistry (for Graduate students applying for Master Degree). 2. Pharmaceutical Chemistry Courses: <ol style="list-style-type: none"> a) Fundamentals of chemistry (for undergraduate students / the Institute of Health Sciences). b) Organic Chemistry (for undergraduate students / pharmacy). 3. Pharmacognosy & Phytochemistry Courses: Demonstration of practical courses of pharmacognosy & phytochemistry for undergraduate pharmacy students.
Research Interests	<ol style="list-style-type: none"> 1) Biochemistry 2) Bioenergetics 3) Molecular Biology 4) Biochemical-Pharmacology 5) Clinical Chemistry
Publications	Over 30 publications in National & international Journals as follows:

1. Hosny F. Mohamed and Yaguzhinsky, L. S.
Inhibitory analysis of phosphorylating mitochondria.
J. Biol. Sci., 10, 127, 1971.
2. Hosny F. Mohamed and Yaguzhinsky, L. S.
Uncoupling effect of alkylating agents. In "
Mitochondria : Structure and Function." , Nauka, p.
115, 1971 .
3. Hosny F. Mohamed and Kolesova, G. M.
Nucleophilic centers and hydrophobic sites in tightly-
coupled mitochondria. 7th Symposium of Biochemistry of
Mitochondria, Tashkent, 1971 .
4. Hosny F. Mohamed and Yaguzhinsky, L. S.
Alkylating agents as a tool for studying the mechanism of
energy coupling in mitochondria. 7th FEES Meeting,
Varna, Bulgaria, 1971.
5. Hosny F. Mohamed and R. Zeitoun
Comparative study of the effect of schistosomicidal drugs
on rat liver mitochondria.
14th Egyptian Conference of Pharmaceutical Sciences,
December, 1976, Cairo.
6. Hosny F. Mohamed and A. Ghazal
The in-vivo effect of organophosphate insecticides :
nuvacron and volaton on the mitochondrial swelling and
liver drug-metabolizing enzymes.
7. Hosny F. Mohamed
The effect of piperazine on the passive swelling of rat liver
mitochondria. The Alex. Medical J., 12, 135, 1977.
8. Hosny F. Mohamed
The in-vitro effect of piperazine on mitochondrial
ATPases. The Alex. Medical J., 12, 139, 1977.
9. Hosny F. Mohamed and Hayat S. El-Sayad,
Studies on the mitochondrial functions in protein-
energy deficient rats. Bulletin Alex. Fac. Med., 15, 17,
1979.
10. Hosny F. Mohamed and Hayat S. El-Sayad
The effect of protein-energy malnutrition on the
electrolyte levels in rat tissues.
Bulletin Alex. Fac. Med., 16, 385, 1980.
11. Hosny F. Mohamed L. Andreone and R.L. Dryer
Metabolism of dibromopalmitic acid.
Bulletin Alex. Fac. Med., 16, 394, 1980.

12. Hosny F. Mohamed and F. L. Dryer

Photoaffinity labeling of mitochondria with H3-2-azido-4-nitrophenol.
Bulletin Aiex. Fac. Med., 16, 385, 1980.
13. Hosny F. Mohamed and Ebtehag M. El-Dakkak
Acid-soluble nucleotides from mitochondria and mitochondrial inner membrane isolated from rat heart.
Bulletin Alex. Fac, Med., 16, 921,1981.
14. Hosny F, Mohamed and Hayat El-Sayad.
Study on serum electrolytes and trace metals in breast cancer. Bulletin Alex. Fac. Med., 17, 755, 1981.
15. R. Soliman and Hosny F. Mohamed. -
Preparation and antidiabetic activity of new substituted 3,5-di-arylpyrazolesulfonylurea derivatives.
J.Pharm.Sci.,70, 606, 1981.
16. R.-Soliman and Hosny' F. Mohamed.
Preparation and antidiabetic activity of cyclic sulfonylurea derivatives. J.Pharm.Sci., 70, 952,1981.
17. R. Soliman and Hosny F,....MQbarned.
Synthesis and antidiabetic activity of some suifonylurea derivatives of 3,5-disubstituted pyrazoles. J. Pharm.Sci.,72,999, 1983.
18. R. Soliman and Hosnv F. Mohamed.
Synthesis and antidiabetic activity of suifonylurea derivatives of 3,4,5-trisubstituted pyrazoles. J. Pharm. Sci., 72, 1004, 1983.
19. Hosny F. Mohamed and Hayat S. El-Sayad.
The level of the antiepileptic drug dilantin in saliva and gingival hyperplasia. Tanta Med. J., 11, 91, 1983.
20. M. Shams El-Deen and Hosnv F. Mohamed.
Binding study of the antiinflammatory agent diclofenac sodium to human serum albumin.
Die Pharmazeutische Industrie, 46, 1289, 1984.
21. Hosny F. Mohamed and A. A. Haggag.
Biochemical studies on oxygen-detoxifying enzymes in erythrocytes from patients with intestinal

schistosomiasis. IRCS.12, 818, 1884.

22. Hosny F. Mohamed and A. M. Sharaf.
The effect of some neuroleptic and tranquilizing agents on the liver drug-• metabolizing enzymes and mitochondrial ATPases activity. Bulletin Alex. Fac. Med., 20, 525, 1984.
23. Hosny F. Mohamed and hayat S. El-Sayad.
Proliferative changes of brown adipose tissue mitochondria in response to cold stress.
The Egyptian Biochem. J., 2, 207, 1984.
24. Hosny F. Mohamed and A. A. Haggag.
Studies on salicylates' antiinflammatory activity as superoxide radical scavengers.
The 18th Conference of the Egyptian Pharmaceutical Soc., C:4, p. 116, Cairo, 1984.
25. Hosny F. Mohamed and A. A. Haggag.
Effect of salicylates on the degradative changes of bovine synovial fluid caused by superoxide radicals.
Abstr. 18th Egyptian Pharm. Soc., C: 12, p. 124, Cairo, 1984.
26. Hosny F. Mohamed and A. A. Agee!
Mechanism of bromocriptine-induced hyperglycemia. Life Sciences, 36, 731, 1985.
27. Hosny F. Mohamed and E. El-Bassiouni.
Binding study of phenylbutazone and piroxicam to human serum albumin. IRCS Med. Sci., 14, 29, 1986.
28. Hosny F. Mohamed and M. A. Shams El-Din.
Binding of some benzodiazepines to human serum albumin. Alex. J. Pharm. Sci., 2, 109, 1988.
29. A. A. Haggag and Hosny F. Mohamed.
A histo-biochemical study on the diabetogenic action of bromocriptine. Med. Sci. Res., 18, 493, 1990.
30. A. Ghazal, R. Zeitoun, Hosny F. Mohamed.
Changes of brain neurotransmitters following pyrethroids treatment. Alex. J. Pharm. Sci, 5, 115, 1991.
31. A. A. Haggag, H. F. Mohamed, M. A. El-Dawy, H. Ghoraba and N. El-Ashmawy.
A histo-biochemical study on the diabetogenic action of bromocriptin. Med. Sci. Res., 18, 493-496, 1990.

32. M. Mohyee El-Din, R. Zeitoon, Hosny F. Mohamed, M. Abdel Sarnad, and E.A.Ali.

Isradipine-induced hyperglycemia in rats :
Involvement of sympathoadrenal system.

The annual Conference of The Egyptian Association
for Drugs and Experimental Therapeutics, Cairo,
1994.

33. Emad Hassan, Abir Kassem, Hosny F. Mohamed and Yossef Hammouda.

Enhanced intra-nasal delivery of insulin using Chitosan.
The 22nd Conference of The United Arab Pharmacists,
Damaskus, 1995.

SUPERVISION OF MASTER & PhD THESES:

Main supervisor and sharing the supervision of:

1. **10 master theses** (Pharmacy), in the field of Biochemistry, Molecular Biology, Clinical Biochemistry and Biochemical Pharmacology. (1974 – 2002)
2. **6 PhD theses** (Pharmacy) in the field of Clinical Biochemistry, biochemical pharmacology. (1978 – 2008)

CURRENT THESES SUPERVISION:

1. **A Master Thesis:** a study of the interaction of celecoxip, nitric oxide, and reactive oxygen species (ROS) in ischemic acute renal failure in rats (2009)
2. **A PhD Thesis:** Role of PAPARs and non-steroidal anti-inflammatory drugs (NSAIDs) in the treatment of inflammation induced by carragenan in rat muscle (2007)