

# CURRICULUM VITAE

**Name:** Hosny Fouad Mohamed

**Title:** Professor (Biochemistry & Bioenergetics)

**Tel:** +0203-5851439

**iphone:** +201003113279

**Email:** drhfouad@gmail.com



## QUALIFICATIONS

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

## POSTS HELD & CAREER BACKGROUND

- |                   |   |
|-------------------|---|
| 2010 till Present | Professor (Biochemistry), Faculty of<br>Pharmacy, Alexandria University                             |
| 2009              | Vice President, Higher Studies &<br>Research, Pharos University in<br>Alexandria (PUA)              |
| 2006              | Vice Dean – Faculty of Pharmacy,<br>Pharos University, PUA  |
| 1985 -2006        | Professor of Biochemistry, Faculty of<br>Pharmacy, Alexandria University                            |
| 1979 – 1985       | Associate Professor (Biochemistry), Faculty of Pharmacy, Alexandria<br>Univ.                        |
| 1972 – 1979       | Lecturer (Biochemistry), Faculty of Pharmacy, Alexandria University                                 |
| 1964 – 1967       | Instructor (Demonstrator), Dept of<br>Pharmacognosy, Faculty of Pharmacy,<br>Alexandria University. |

**FELLOWSHIPS, RESEARCH ASSOCIATIONS AND VISITS:**

2003 – 2005	Head, Pharmacy School, College of Technology, Muscat, Oman.
1997 - 2003	Head of Basic Sciences Dept, Institute of Health Sciences, Ministry of Health, Muscat, Oman.
1992 - 1997	Visiting Professor, Oman Assistant Pharmacy Institute (OAPI), Ministry of Health, Muscat, Oman (6 terms each for 3 months / yr).
1991	Visiting Professor, College of Pharmacy, Beirut Arab University, Lebanon (one term for 3 months).
1989 - 1991	Professor, Dept. of Pharmacology, College of Pharmacy, Tripoli University, Tripoli, 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	Member of the Permanent Committee for Promotion of professorships & Assistant Professorship in Biochemistry (Egypt).
1978 – till present	<ul style="list-style-type: none"><li>- Member of the Egyptian Pharmaceutical Society.</li><li>- Member of the Syndicate of Pharmacists of Egypt.</li><li>- Member of the Syndicate of Pharmacists of Alexandria.</li><li>- Member of the Egyptian Biochemical Society</li></ul>
1977 – till present	<ul style="list-style-type: none"><li>- Member of Biochemistry and Bioenergetics Association, USA.</li></ul>
1975 – till present	<ul style="list-style-type: none"><li>- Member of editorial Board of Faculty of Pharmacy Scientific Journal, Alexandria University</li></ul>

## **INSTITUTIONAL ESTABLISHMENTS:**

1. Took share in the establishment of Oman Assistant Pharmacy Institute (OAPI), Ministry of Health, Muscat, Oman - 1992. Aiming at the graduation of competent Omani Assistant Pharmacists to fill the gap for assistant pharmacist needs of the Society.
2. Establishment of a new Assistant Pharmacy Division at the Higher College of Technology, Ministry of Manpower, Muscat, Oman 2002. Aiming at the graduation of competent Omani Assistant Pharmacists, to meet the needs of labor market for assistant pharmacists.
3. Took share in the establishment of Pharos University in Alexandria (PUA) – 2006.

## **TEACHING CAPABILITIES & EXPERIENCE:**

The teaching experience extended for **more than 40 years**

### **1. Biochemistry Courses:**

- a) Human biochemistry for undergraduate pharmacy students
- b) A case-oriented approach course (clinically-oriented)
- c) Biochemistry 1, Biochemistry 2, Clinical Biochemistry, Clinical Nutrition courses for Clinical Pharmacy Students (Clin. Pharmacy Program).
- d) Clinical Laboratory Investigation for Pharm D students (Pharm D Program).
- e) Applied Biochemistry -1 and Applied Biochemistry-2 (for students applying for the Diploma of Biochemical Analysis).
- f) Advanced and Selected Topics in Biochemistry for Graduate Students applying to Master and PhD degrees.

### **2. Pharmaceutical Chemistry Courses:**

- 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:**

- 1) Biochemistry
- 2) Bioenergetics
- 3) Molecular Biology
- 4) Biochemical-Pharmacology
- 5) Clinical Chemistry

## RESEARCH PUBLICATIONS:

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, Tashkend, 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 mitochondria! 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 mitochondria! 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 Ebtehad 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, 1984.
  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. Hosnv 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. Hagag.  
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. Ageel.  
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, Damascus, 1995.
  34. Abdelhady S, El-Ashmawy NE, El-Bahrawy H and Fouad H: Gene expression of PPARs is upregulated by NSAIDs and correlates with COX-2 suppression in inflamed-rat muscle. Int Org Sci Res-J Pharm Biol Sci; 3(3): 25-34, 2012.
  35. Abdelhady S, El-Ashmawy NE, El-Bahrawy H and Fouad H: Cyclooxygenase-independent mechanism of NSAIDs. Am J PharmTech Res; 4(1): 453-468, 2014.
  36. Amira M. Senbel, Amal G. Omar, Lobna M. Abdel-Moneim, Hosny F. Mohamed, Tahia T. Daabees  
Evaluation of L-arginine on kidney function and vascular reactivity following

ischemic injury in rats: Protective effects and potential interactions.  
Pharmacological Reports 66 (2014) 976-983