



Curriculum Vitae

Prof. Mohammed F. El-Refaei, Ph. D.

5th Al-Gama county, Khaled ben Waleed St. Mansoura, Egypt.

Professor of Biochemistry – Menoufiya University

Professor of Biochemistry – Al-Baha University – KSA.

Personal:

Date of Birth Oct 6th, 1965
Place of Birth Mansoura, Dakahlia, Egypt.
Sex Male.
Marital Status Married.

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EDUCATION

PhD in Chemistry (Biochemistry), 1998: Medical College of Georgia, Augusta, GA, USA* Scholar ship 2Y* and Menoufiya University, Egypt.

MS. D. in Chemistry (Biochemistry), October 1991: Zagazig University, Egypt.

B.Sc. (Chemistry) 1987: Faculty of Science, Mansoura University, Mansoura, Egypt.

M. Sc. Thesis

IN VITRO- study of Immunobiological effect of prostaglandin E2 on activated normal peripheral blood lymphocyte.

Ph. D. Thesis

Immuno-biological studies on the effect of some naturally occurring compounds on solid tumor in experimental female albino mice.

EMPLOYMENT

- 2011- Present** : **Al-Baha University- Faculty of Medicine – KSA**
- 2010** : Professor of Biochemistry and Molecular Biology, **Menoufiya University, Egypt (Changed to Sadat City University 2013).**
- 2004-2009** : **Associate Prof. Biochemistry, Menoufiya University, Egypt.**
- 1998 – 2004** : lecturer of Biochemistry, **Menoufiya University, Egypt.**
- 1996 -1998** : Ph. D. Graduate student and Predoctoral Research fellow, **Medical College of Georgia, Augusta, GA, USA.**
- 1993 -1996** : Assist. Lecturer of Biochemistry, **Menoufiya University, Egypt.**
- 1989 -1993** : Medical laboratory specialist, Urology & Nephrology Center, **Mansoura, Egypt.**
- 1988 -1991** : Master candidate, Zagazig University, Egypt.

Outside EGYPT:

2003-2011

: Associate Prof. Biochemistry, **Garyounis University, Faculty of Medicine and Faculty of Science. Lybia.**

TEACHING COURSES **From 1999**

Under Graduate :

- Medical biochemistry.
- Enzymes and Metabolism .
- Cancer biology and immunology.

- **Biochemistry (Libya, Faculty of Medicine and Science Garyounis University, Ajdabia Branch from 2003-2011).**

Post Graduate :

- Biochemistry of nucleic acid.
- Molecular Immunology.
- Cellular Biochemistry.
- Antibodies

PUBLICATIONS

Abstracts :

F. El-Chennawi, **M. F. El. Refaei** and M. A Ghoneim October, 1991.
Effect of prostaglandin E2 on cellular and humoral immune response. Abstract No 264
Experimental immunology, 5th congress European society for organ transplantation.
Maastricht, The Netherlands,

M. F.El. Refaei and N. H. Sarkar May, 1998.
The effect of snake venom on the growth of mouse mammary tumor cells. 98th general
meeting, American society for Microbiology 98:326. **Atlanta, GA USA.**

Publications:

1. **Protective effects of caffeic acid phenethyl ester on cadmium-induced testicular injury: A crucial role of antioxidant enzymes in male mice infertility.Heliyon**

2021-05-05 | journal-article

PMID: [34027170](#)

PMC: [PMC8121658](#)

DOI: [10.1016/j.heliyon.2021.e06965](#)

2. **Induction of synthesis of matrix metalloproteinases by interleukin-6; evidence for hepatic regeneration following hemi-hepatectomy.Clinical and experimental hepatology**

2020-05-27 | journal-article

▪ PMID: [32728631](#)

▪ PMC: [PMC7380479](#)

▪ DOI: [10.5114/ceh.2020.95679](#)

3. **Role of interleukin 6 in liver cell regeneration after hemi-hepatectomy, correlation with liver enzymes and flow cytometric studyClinical and Experimental Hepatology**

2020 | journal-article

1. DOI: [10.5114/ceh.2020.93055](#)

2. Part of ISSN: [2392-1099](#)

4. **Adult Acute Myeloid Leukemia – A Possible Relation to Disease Invasion and the Impact of Independent Prognostic Markers Associated with Survival OutcomeNew Aspects in Molecular and Cellular Mechanisms of Human Carcinogenesis**

2016-03-02 | book-chapter

1. DOI: [10.5772/61179](#)

2. Part of ISBN: [9789535143826](#)

3. Part of ISBN: [9789535122531](#)

5. **In-vivo antioxidant and anti-inflammatory activity of rosiglitazone, a peroxisome proliferator-activated receptor-gamma (PPAR-γ) agonists in animal model of bronchial asthmaJournal of Pharmacy and Pharmacology**

2015-10 | journal-article

1. DOI: [10.1111/jphp.12445](#)

2. Part of ISSN: [0022-3573](#)

6. **Emerging role of a peroxisome proliferator-activated receptor-gamma (PPAR-γ) agonist in bronchial asthma in vivo: antioxidant activity and the down-regulation of inflammatory factorsBiochemistry Letters**

2014-12-01 | journal-article

1. DOI: [10.21608/blj.2014.63402](#)

2. Part of ISSN: [1687-4773](#)

- 7. Alternative Medicine in Diabetes - Role of Angiogenesis, Oxidative Stress, and Chronic Inflammation** *The Review of Diabetic Studies*
2014 | journal-article
1. DOI: [10.1900/rds.2014.11.231](https://doi.org/10.1900/rds.2014.11.231)
2. Part of ISSN: [1613-6071](https://www.issn.org/issn/1613-6071)
3. Part of ISSN: [1614-0575](https://www.issn.org/issn/1614-0575)
- 8. Protective and anti-angiopathy effects of caffeic acid phenethyl ester against induced type 1 diabetes in vivo** *International immunopharmacology*
2013-07-04 | journal-article
1. PMID: [23831012](https://pubmed.ncbi.nlm.nih.gov/23831012/)
2. DOI: [10.1016/j.intimp.2013.06.019](https://doi.org/10.1016/j.intimp.2013.06.019)
- 9. Regulation of Apoptosis, Invasion and Angiogenesis of Tumor Cells by Caffeic Acid Phenethyl Ester** *Carcinogenesis*
2013-01-23 | book-chapter
1. DOI: [10.5772/55275](https://doi.org/10.5772/55275)
2. Part of ISBN: [9789535109457](https://www.isbn.org/9789535109457)
- 10. Neutrophil Apoptosis in Neutropenic Patients With Hepatitis C Infection: Role of Caspases 3, 10, and GM-CSF** *Indian Journal of Hematology and Blood Transfusion*
2011-06 | journal-article
1. DOI: [10.1007/s12288-011-0067-1](https://doi.org/10.1007/s12288-011-0067-1)
2. Part of ISSN: [0971-4502](https://www.issn.org/issn/0971-4502)
3. Part of ISSN: [0974-0449](https://www.issn.org/issn/0974-0449)
- 11. Inhibitory effect of caffeic acid phenethyl ester on mice bearing tumor involving angiostatic and apoptotic activities** *Chemico-Biological Interactions*
2010-07 | journal-article
1. DOI: [10.1016/j.cbi.2010.04.019](https://doi.org/10.1016/j.cbi.2010.04.019)
2. Part of ISSN: [0009-2797](https://www.issn.org/issn/0009-2797)
- 12. Snake venom inhibits the growth of mouse mammary tumor cells in vitro and in vivo** *Toxicon*
2009-07 | journal-article
1. DOI: [10.1016/j.toxicon.2009.03.017](https://doi.org/10.1016/j.toxicon.2009.03.017)
2. Part of ISSN: [0041-0101](https://www.issn.org/issn/0041-0101)
- 13. Soluble angiopoietin-2/sTie2 receptor ratio is an independent prognostic marker in adult acute myeloid leukemia** *Indian journal of hematology & blood transfusion : an official journal of Indian Society of Hematology and Blood Transfusion*
2009-03-01 | journal-article
1. PMID: [23100966](https://pubmed.ncbi.nlm.nih.gov/23100966/)
2. PMC: [PMC3453480](https://pubmed.ncbi.nlm.nih.gov/PMC3453480/)
3. DOI: [10.1007/s12288-009-0004-8](https://doi.org/10.1007/s12288-009-0004-8)
- 14. Prognostic implication of N-RAS gene mutations in Egyptian adult acute**

- myeloid leukemia.***The Egyptian journal of immunology*
2009-01-01 | journal-article
1. PMID: [20726318](#)
- 15. Elevated serum endostatin levels is associated with favorable outcome in acute myeloid leukemia.***Indian journal of hematology & blood transfusion : an official journal of Indian Society of Hematology and Blood Transfusion*
2008-03-01 | journal-article
1. PMID: [23100932](#)
2. PMC: [PMC3453162](#)
- 16. Angiogenesis factor pattern differs in acute lymphoblastic leukemia and chronic lymphocytic leukemia.***Hematology (Amsterdam, Netherlands)*
2007-08-01 | journal-article
1. PMID: [17654059](#)
2. DOI: [10.1080/10245330701340759](#)
- 17. Insulinotropic and anti-inflammatory effects of rosiglitazone in experimental autoimmune diabetes.***The review of diabetic studies : RDS*
2005-11-10 | journal-article
1. PMID: [17491689](#)
2. PMC: [PMC1783562](#)
3. DOI: [10.1900/rds.2005.2.146](#)
- 18. Enhanced Neutrophil Apoptosis in Neutropenic Patients with Hepatosplenic Schistosomiasis: Evidence of Serum Fas Ligand***Hematology*
2004-02 | journal-article
1. DOI: [10.1080/10245330310001652482](#)
2. Part of ISSN: [1607-8454](#)
- 19. Accelerated neutrophil apoptosis in neutropenic patients with hepatosplenic schistosomiasis is induced by serum Fas ligand***The Hematology Journal*
2004 | journal-article
1. DOI: [10.1038/sj.thj.6200542](#)
2. Part of ISSN: [1466-4860](#)
3. Part of ISSN: [1476-5632](#)
Source:El-Refaei M
- 20. Urokinase Plasminogen Activator Receptor and Soluble Matrix Metalloproteinase-9 in Acute Myeloid Leukemia Patients: A Possible Relation to Disease Invasion***Hematology*
2003-12 | journal-article
1. DOI: [10.1080/10245330310001621323](#)
2. Part of ISSN: [1607-8454](#)
- 21. Study of antioxidant enzymes level and phagocytic activity in chronic liver**

disease patients.*The Egyptian journal of immunology*

2003-01-01 | journal-article

1. PMID: [15719621](#)

22. **Assessment of Neutrophil Apoptosis Ex Vivo in Hepatosplenic Patients with Neutropnia Pre and Post Splenectomy . ((ENGLAND). Salah E. Aref, L.A. Mahmoud, M.F. El Refaei M. Abdelwahab and N. Abou Samara. Hematology; Vol (8) No: (4):265-272. 2003.**
23. **Tannic Acid Potentially Inhibits Tumor Growth, Raises Survival Of Mice Bearing Syngeneic Tumor. Mohamed F. El-Refaei, Tarek A. Salem, M.F.Elshal, and Mohamed Othman. The Egyptian Journal of Biochemistry & Molecular Biology, Vol:(21), No:(1). 139-155 , 2003. (EGYPT)**
24. **Study of antioxidant enzymes level and phagocytic activity in chronic liver disease patients. TA. Salem , MF El-Refaei and G A Badra. The Egyptian Journal of Immunology, Vol: (10), No: (1) 37 - 45. 2003. (EGYPT)**
25. **The Impact of the interferon- gama (IFN- γ)-cytokin net work in the in vitro apoptosis of leukemic B-chronic lymphocytic leukemia cells D.A Aladle, M.F El-Refaei and S.SA Shamaa. Egyptian J. of Haematology, Vol (27) , No (2).249-264, 2002 (Award). (JAPAN)**
26. **High Concentration Of Paclitaxel Induces Partial Inhibition And Cell Death In The Human Breast Cancer Cell Line Mcf-7 In Vitro. Mohamed, F. El Refaei, Tarek, A. Salem, Hisham, A. Ismael and Farha, A. El-Chennawy. Journal of The Egyptian National Cancer Institute, Vol :(14). No(3)223-228. 2002. (EGYPT)**

Awards and Projects

Bursary award recipient Kyoto **JAPAN** 2002, 150,000 yen For 10 Best Scientist.

Breast cancer MMTV Project Nara medical college (coauthor) **JAPAN**

SCIENTIFIC EXPERIENCE

- 1-Detection of cross match, HLA, DR and MLC from blood lymphocytes.
- 2-Molecular cloning, preparation and handling of DNA and RNA.
- 3-Genotyping using PCR, Dot Blot and Southern Blot analyses.
- 4-Western blot analysis for proteins.
- 5-Experimental animal research

- 6-Tissue culture of animal and human cell lines.
- 7-Immunohistochemistry.
- 8-Flowcytometry
- 9- Biochemistry lab. For undergraduate.

TRAINING COURSES

- 1-Workshop in application of immunochemical techniques, Cairo University 1993
- 2-Different techniques in PCR. Urology and Nephrology CTR . Mansoura University. April, 1994.
- 3-Training program in Belgium in Flowcytometry (FACS caliper) December 7 up to 14 1998.
- 4- Conference of Egyptian- France in immunology & Molecular biology, Oct 2000
- 5- Clinical Chemistry and Laboratory Medicine Oct, 20-25, 2002 . Kyoto Japan

References

1- Nurul H. Sarkar, PhD

Professor, Medical college of Georgia, Augusta, GA, 30912.

Fax: 706- 721 7915

E.Mail: nsarkar@mail.mcg.edu

2- Gregory I. Liou, Ph D

Associate professor of Ophthalmology; Biochemistry& Molecular Biology and Anatomy & Cellular biology. Medical College of Georgia, Augusta, GA, 30912.

Tel: (706)-721-4804

E.Mail: giliou@mail.mcg.edu

3- Farha A. Elshenawi

Professor of immunology and Molecular biology, faculty of medicine Mansoura Egypt

Phone No. 002-050-318064/ fax too

E- mail: Felcegym-2000@yahoo.com

4- Satomi Haga

Professor of pathology, Nara medical college, Japan.

Fax: 81-744-23-1306

5-Faten Zahran

Professor of biochemistry , Zagazig Univ. Faculty of Science. tel:0020552361144

Supervision

Assessment of neutrophils apoptosis and its relation to neutropenia in patients with intestinal shistosomiasis Faculty of Medicine Mansoura Univ M.D Thesis

Effect of polyphenolic compounds in mice bearing solid tumor
Institute of Genetics Menoufiya Univ. PhD Thesis

Biological, Immunological and biochemical evaluation of the activity of some chemotherapeutic agents on different cultured human lymphoma cells Faculty of Science Tanta University

The immunomodulating effect of rosiglitazone on experimentally-induced Diabetes Mellitus in mice Faculty of Pharmacy Tanta University, Msc Thesis.

Projects: PI.

1. *The impact hypoxia on child growth: A possible relation to growth factors in hypoxic area. 17000 USD*
2. *Impact of Caffeic Acid Phenethyl Ester on Spermatogonial Stem Cell Regulation and Spermatogenesis Under Oxidative Stress in vivo* •
25,000USD

• **Projects: CO I.**

1. *Automatic Classification of Tissue and Cell Morphology using Image Processing and Neural Network 30,000USD*
2. *AlBaha Honey-bee extract attenuates hyperglycaemia-mediated oxidative stress and protecting in streptozotocin-induced type 1 diabetes in vivo. 25,000 USD.*

Peer reviewer for the following international impact journal

Pharmaceutical Biology
Redox Report journal
Toxicology and Industrial Health
Journal of Clinical Laboratory Analysis
International Journal of Food Properties
Clinica Chimica Acta