

### Basic Information :

**Name :** khairia M. Youssef  
**Title :** Professor of Pharmaceutical Organic Chemistry



Professor Khairia Youssef, Professor of Organic Chemistry, Department of Pharmaceutical Chemistry.

- Dr. Khairia had the Bachelor of Pharmaceutical Sciences, the Master degree and Ph.D. in Organic Chemistry from Faculty of Pharmacy, Cairo University on 1977, 1980 and 1984, respectively.
- On 1988, Dr. Khairia was on a special research assignment with Etreby Computer in Los Angeles, California, U.S.A.
- On 1992, Dr. Khairia was on a Peace Fellowship for Post Doctoral Research which concerns with "Design and Synthesis of Potential Antileukemic and/or Antiviral 2'-Deoxymethylene Nucleosides" at the University of Southern California, Los Angeles, California, U.S.A., under the supervision of Dr. Eric J. Lien, Ph. D. The design of the work is based on QSAR.
- Prof. Dr. Youssef is interested in drug design, synthesis and evaluation of certain pharmacologically active compounds.

Prof. Youssef had been awarded the Bronze award from King Abdul Aziz city for science and technology for the exclusive research "Synthesis of Curcumin Analogues as Potential Antioxidant, Cancer Chemopreventive Agents" which had been granted by King Abdul Aziz city for science and technology, Project No. AR 19-39. Prof. Youssef had been awarded a certificate from The Marquis Who's who Publications Board as a subject of biographical record in Who's who in Science and Engineering 2008-2009. Inclusion in which is limited to those individuals who have demonstrated outstanding achievement in their own fields of endeavor and who have, thereby, contributed significantly to the betterment of contemporary society. She had been awarded the silver award from King Abdul Aziz city for science and technology for the exclusive research "Novel Modified Estrogens: Synthesis, Binding Affinity to Estrogen Receptor, Biological and Antitumor Activities of various Novel Modified Estrogen" which had been granted by King Abdul Aziz city for science and technology, Project No. AR 24-4.

Prof. Youssef had been awarded the FUE Azazi Award for Outstanding Research for the academic year 2012/2013. This reflects well on the important contributions to the scholarly reputation of FUE. Perzigian, Anthony (perzigaj) PERZIGAJ@UCMAIL.UC.EDU

Prof. Youssef as an International Conference Organizer had been awarded a Certificate for Participating as Organizer for the 1st FUE International Conference on Pharmaceutical Technologies (1st FUE-ICPT), Feb, 2012. <http://icpt.fue.edu.eg/>

Also, Prof. Youssef had been awarded a Certificate for Participating as Organizer for 3rd FUE International Conference of Pharmaceutical Sciences (3rd FUE-ICPS), Feb, 9-11, 2015. <http://www.fue.edu.eg/pharmaconference>.

Finally, Prof. Youssef was informed that the organizing committee of OMICS International Pharma Middle East Conference November 02-04, 2014, Dubai, UAE are pleased to join them and give a keynote presentation on: Targeted Drug Delivery System (TDDS): Encapsulating Newly Synthesized Anti-cancer Compounds-Conjugated Gold Nanoparticles

Also, she was informed that the selection committee has decided to be one of the Conference Organizing Committee. [www.conferenceseries.com](http://www.conferenceseries.com)

### Education :

Certificate	Major	University	Year
PhD			1984
Masters			1980
Bachelor			1977

### Teaching Experience :

Name Of Organization	Position	From Date	To Date
Faculty of Pharmaceutical Sciences and Pharmaceutical Industries, Future University in Egypt	Professor of Pharmaceutical Organic Chemistry	01/01/2007	01/01/2016

Faculty of Pharmaceutical Sciences and Pharmaceutical Industries, Future University in Egypt	Professor of Pharmaceutical Organic Chemistry	01/01/2007	01/01/2015
Faculty of Pharmacy, King Saud University, K.S.A.	Professor at the Pharmaceutical Chemistry Department	01/01/2005	01/01/2007
College of Pharmacy, Science and Medical studies Department, King Saud University, K.S.A.	Head of Pharmaceutical Chemistry Department	01/01/2002	01/01/2005
Faculty of Pharmacy, King Saud University	Professor at Pharmaceutical Chemistry Department	01/01/1999	01/01/2002
Pharmaceutical Chemistry Department, Faculty of Pharmacy, King Saud University	Associate Professor	01/01/1994	01/01/1999
Faculty of Pharmacy, Cairo University	Assistant Professor at the Organic Chemistry Department	01/01/1992	01/01/1994
Faculty of Pharmacy, Cairo University	Assistant Professor at the Organic Chemistry Department	01/01/1989	01/01/1991

### **Research :**

Design, synthesis and molecular modeling study of certain VEGFR-2 inhibitors based on thienopyrimidine scaffold as cancer targeting agents

Design, synthesis and molecular modeling study of certain VEGFR-2 inhibitors based on thienopyrimidine scaffold as cancer targeting agents.

N-substituted-piperidines as novel anti-alzheimer agents: Synthesis, antioxidant activity, and molecular docking study

67. Design, synthesis and 3D QSAR based pharmacophore study of novel imatinib analogs as antitumor-apoptotic agents.

Design, synthesis and 3D QSAR based pharmacophore study of novel imatinib analogs as antitumor-apoptotic agents

N-substituted-piperidines as Novel Anti-alzheimer Agents: Synthesis,

Medicinal Attributes of Thienopyrimidine Based Scaffold Targeting

Medicinal attributes of thienopyrimidine based scaffold targeting tyrosine kinases and their potential anticancer activities.

Design and synthesis of potential Ribonucleotide reductase enzyme (RNR) inhibitors as antileukemic and/or antiviral 2'-Deoxymethylene Nucleosides

Curcumin Analogs with anticipated anticancer activity Iten M. Fawzy<sup>1</sup>, Khairia M. Youssef<sup>1,2</sup>, Nasser S. M. Ismail<sup>2</sup>, J. Gullbo<sup>3</sup> and Khaled A. M. Abouzid<sup>2</sup>. <sup>1</sup>Pharmaceutical chemistry Dept. Faculty of Pharmaceutical Sciences & Pharmaceutical Industries, Future University, Cairo, 12311, Egypt.

Chemopreventive Effects of Curcumin Analogs in DMH-Induced Colon Cancer in Albino Rats Model.

Design and synthesis of potential Ribonucleotide reductase enzyme (RNR) inhibitors as antileukemic and/or antiviral 2'-Deoxymethylene Nucleosides

Design and Synthesis and Biological evaluation of Novel Curcumin Analogs with anticipated anticancer activity

Design and Synthesis and Biological evaluation of Novel Curcumin Analogs with anticipated anticancer activity

Chemopreventive Effects of Curcumin Analogs in DMH-Induced Colon Cancer in Albino Rats Model.

Simultaneous determination of ciprofloxacin hydrochloride and metronidazole in spiked human plasma by ultra performance liquid chromatography tandem mass spectroscopy. Asmaa Mandour<sup>1</sup>, Ramzeia Ismail<sup>1</sup>, Khairia M. Youssef<sup>1</sup>, Ehab El-Kady<sup>2</sup>. <sup>1</sup>Dept. of Pharm. Chemistry, Faculty of Pharmaceutical Sciences and Pharmaceutical Industries, Future University, Cairo, Egypt.

Design and synthesis and biological evaluation of novel curcumin analogs with anticipated anticancer activity. Iten M. Fawzy<sup>1</sup>, Khairia M. Youssef<sup>1,2</sup>, Nasser S. M. Ismail<sup>2</sup>, J. Gullbo<sup>3</sup> and Khaled A. M. Abouzid. Al- Azhar University Magazine for Pharmaceutical Publications- July 2013.

Molecular Modeling of Novel Curcumin Analogs with Anticipated Anticancer Activity. Iten M. Fawzy, Khairia M. Youssef, Nasser S. M. Ismail, Khaled A. M. Abouzid. <sup>1</sup>Pharmaceutical chemistry Dept. Faculty of Pharmaceutical Sciences & Pharmaceutical Industries, Future University, Cairo, 12311, Egypt.

Synthesis of curcumin and ethylcurcumin bioconjugates as potential antitumor agents,

Synthesis, antiplatelet aggregation activity, and molecular modeling study of novel substituted-piperazine analogues. Khairia M. Youssef • Mohamed A. Al-Omar • Hussein I. El-Subbagh • Laila A. Abou-zeid • Abdel-Galil M. Abdel-Gader •

PAC, a novel curcumin analogue, has anti-breast cancer properties with higher efficiency on ER-negative cells

Synthesis, antiplatelet aggregation activity, and molecular

### **Conference :**

Design and synthesis of potential Ribonucleotide reductase enzyme (RNR) inhibitors as antileukemic and/or antiviral 2'-Deoxymethylene Nucleosides

Targeted Drug Delivery System (TDDS): Encapsulating Newly Synthesized Anti-cancer Compounds-Conjugated Gold Nanoparticles

Design and Synthesis of Novel Imatinib Analogs as Anti-Tumor Multi-Targeting Kinases.

Molecular docking and in silico ADME study of Novel N9-substituted Purines targeting CK1 and abl-tyrosine kinase

Novel Curcumin Analogs Modeling, Synthesis, Tubulin Polymerization and Cytotoxic Assays.

Modeling and Synthesis of Novel Curcumin Analogs with Anticipated Anticancer Activity

PAC: A NOVEL CURCUMIN ANALOGUE WITH POTENT ANTI-CANCER

SYNTHESIS OF THIOGLYCOSIDES OF EXPECTED NOVEL BIOLOGICAL

Molecular Modeling of Novel Curcumin Analogs with Anticipated Anticancer Activity

Synthesis of Potential Drugs for thromboembolic Heart Diseases: The 3rd International Meeting on Medicinal and Pharmaceutical Chemistry. 16-20 October 2007, Antalya, Turkey.

Synthesis of alkylamino- and Alkylthioacetyl-amino estrone derivatives as anticancer agents. The 7th International Saudi Pharmaceutical Conference. 19-21 March 2007, Riyadh, Saudi Arabia.

Synthesis of some 2- and 4-peptidylestrone derivatives of potential therapeutic activity. The 7th International Saudi Pharmaceutical Conference. 19-21 March 2007, Riyadh, Saudi Arabia.

Synthesis of Potential Drugs for thromboembolic Heart Diseases

Modified estrogens: Synthesis of alkylamino- and Alkylthioacetyl-amino estrone derivatives as anticancer agents.

Synthesis of some 2- and 4-peptidylestrone derivatives of potential therapeutic activity.

Curcumin Analogs as Anticancer Agents: 1) Preclinical Safety Evaluation in Mice and Rats. 2) Chemopreventive Effects in DMH-Induced Colon Cancer in Albino Rats Model. The International Symposium on Recent Progress in Curcumin Research, September 11-12, 2006 at Yogyakarta, Indonesia.

Synthesis of bioconjugate analogs of curcumin as potent antitumor agents. 9th International Pharmaceutical Sciences Meeting and Exposition, December 17-21, 2005 in Riyadh, Saudi Arabia.

Curcumin Analogs as Anticancer Agents: 1) Preclinical Safety Evaluation in Mice and Rats. 2) Chemopreventive Effects in DMH-Induced Colon Cancer in Albino Rats Model.

Novel Hydroxyphenylureas as Antioxidant and Chemopreventive Agents. XVIIth International Symposium on Medicinal Chemistry, September 1- 5, 2002, Barcelona, Spain, Barcelona, Spain.

Synthesis of Curcumin Analogues as Potential Antioxidant, Cancer Chemopreventive Agents. Cambridge Healthtech Institute, Exploiting Molecular Diversity, February 13- 15, 2002, San Diego, California, USA.

"Adamantane Derivatives: Synthesis of Some Aminoadamantanes as Potential Antitumor and Antiviral Agents". Cambridge Healthtech Institute's Seventh Annual, High-Throughput Organic Synthesis, San Diego, California, USA. February, 13- 15, 2002.

"Novel Hydroxyphenylureas as Antioxidant and Chemopreventive Agents". XVIIth International Symposium on Medicinal Chemistry, September 1- 5, 2002, Barcelona, Spain, Barcelona, Spain

Novel Hydroxyphenylureas as Antioxidant and Chemopreventive Agents.

Synthesis of Curcumin Analogues as Potential Antioxidant, Cancer chemopreventive agent

Synthesis of Some Aminoadamantanes as Potential Antitumor and Antiviral Agents

"Synthesis of certain diarylsulfonylureas as antitumor agents". Saudi Pharmaceutical Society, The Pharmacy Profession in the 21st Century, Riyadh, October, 1999.

“Novel pyridothienopyrimidine, pyridothienotriazolopyrimidine and pyridothienothiazine derivatives as potential antimicrobial and antitumor agents”. Saudi Pharmaceutical Society, The Pharmacy Profession in the 21st Century, Riyadh, October, 1999.

Attempts synthesis of spiro [3H-Indole-3,5-(4H) [1,3,4]oxadiazole].Effect of acetic anhydride on (2-oxo-3H-indol-3-ylidene) hydrazides.

“Attempts synthesis of spiro [3H-Indole-3,5-(4H) [1,3,4]oxadiazole].Effect of acetic anhydride on (2-oxo-3H-indol-3-ylidene) hydrazides”. International conference of pharmaceutical sciences and technology. Alexandria March 22-25, (1995).

Synthesis of 6-[4-(substituted-amino)phenyl]-4,5-dihydropyridazin-3(2H)-ones as potential inotropic agents.The 22nd Egyptian Pharmaceutical Society conference for pharmaceutical sciences (1994).

“New pyrimidine-containing antimicrobial agents: synthesis and preliminary testing”. The 22nd Egyptian Pharmaceutical Society conference for pharmaceutical sciences (1994).

“Synthesis and inotropic activity of novel benzoxazinyl and benzoxazolyl pyridazinone derivatives”. The 22nd Egyptian Pharmaceutical Society conference for pharmaceutical sciences (1994).

Synthesis of 6-[4-(substituted-amino)phenyl]-4,5-dihydropyridazin-3(2H)-ones as potential inotropic agents.The 22nd Egyptian Pharmaceutical Society conference for pharmaceutical sciences (1994).

“Design and synthesis of potential antileukemic and/or antiviral 2'-deoxymethylene nucleosides”.American Association of Pharmaceutical Scientists Meeting (1992).

Design and synthesis of potential antileukemic and/or antiviral 2'-deoxymethylene nucleosides.

#### **Book :**

NOVEL HYDROXYPHENYLUREAS AS ANTIOXIDANT AND CHEMOPREVENTIVE AGENTS

2- A Comprehensive Introduction to Medicinal and Pharmaceutical Chemistry.

#### **Awards :**

<b>Award</b>	<b>Donor</b>	<b>Date</b>
AZAZI FUE Award for Outstanding Research	Future University in Egypt	01/01/2013
D. Walid Bin Amin El-Kayaly For Scientific Research award- Saudy Pharmaceutical Syndicate, for the research titled: Synthesis, dihydrofolate reductase inhibition, antitumor testing, and molecular modeling study of some new 4(3H)-quinazolinone analogs.	El-Kayaly For Scientific Research award- Saudy Pharmaceutical Syndicate, Saudi Arabia	01/01/2010
the Bronze award from King Abdul Aziz city for science and technology for the exclusive research “Synthesis of Curcumin Analogues as Potential Antioxidant, Cancer Chemopreventive Agents” which had been granted by King Abdul Aziz city for science and technology, Project No. AR 19-39.	King Abdul Aziz city for science and technology	01/01/2010
A certificate from The Marquis Who's who Publications Board as a subject of biographical record in Who's who in Science and Engineering 2008-2009.	Who's who in Science and Engineering, USA	01/01/2009
the silver award from King Abdul Aziz city for science and technology for the exclusive research	King Abdul Aziz city for science and technology, Saudi Arabia	01/01/2008