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<https://www.researchgate.net/profile/Heba-Elzahabi/research>

<https://www.linkedin.com/in/heba-elzahabi-b3605a14>

Profile

PhD, Pharmaceutical Chemistry Department, Al Azhar University. MBA, University of East London (UEL); Certified Business Incubator manager, ASRT; Entrepreneurship Thought, BABSON University; X-Public Relation Coordinator, NARO Office; Activities Coordinator, AUEC; Entrepreneurship Consultant, Techno-space Academy; Board Member, AFIATE Forum; Membership, WASET organization.

Work Experience

Professor and Head of the Pharmaceutical Medicinal Chemistry Department

College of Pharmacy / Al Azhar University (Girls)/Cairo
2024 – Present

Scientific research reviewer

Arch der Pharm / Bioorganic chemistry / ChemMedChem / Medicinal Chemistry Research
2017 - Present

Director of Scientific Research Committee

Quality Assurance and Accreditation Unit, Al Azhar University
2016 - 2017

Associate professor in the Pharmaceutical Medicinal Chemistry Department

College of Pharmacy / Al Azhar University (Girls)/Cairo
2012-2017

Lecturer in the Pharmaceutical Medicinal Chemistry Department

College of Pharmacy / Al Azhar University (Girls)/Cairo
2003-2011

Assigned as lecturer of practical organic chemistry course for 2nd year

College of Pharmacy / Ain Shams University /Cairo
2003-2004

Teaching assistant in pharmaceutical chemistry department

Pharmacy college/ Al Azhar University (Girls)/Cairo

1995-2003

External reviewer for course specification for undergraduate and postgraduate

Helwan University / 6th October University

2023

Assigned for teaching of Pharmaceutical Medicinal Chemistry

College of Pharmacy / Modern University for technology & information (MTI)

2021 – 2023

Technical / Section Editor

Azhar Journal of Pharmaceutics & Medical Sciences, EKB

2020 – 2021

Worked in registration dep. For pharmaceutical formulations and drug

Central Administration of Pharmaceutical Affairs/ Cairo

1993-1994

Innovate Egypt Program Alumni

VentureWell Collaboration

2024

Judge panel member in AFFIAT forum (Jordan, 2024)

Techno-space (SMART education)

2024

Judge panel member in YLI (iSpark, Save the Children) for startup Demo-day

iSpark & Save the Children

2024

Judge panel member in Cairo University Rally Symposium, CURS for startup Demo-day.

Cairo University Rally Society

2024

Trainer in RWAQ Cairo incubator

RWAQ Cairo incubator

2024

Judge panel member in AFFIAT forum

Techno-space (SMART education)

2022 – present

Member at Entrepreneurship Club Cairo University, ECCU

Cairo University

2024

Co-ordinator at Azhar University Entrepreneurship Club (AUEC)

Al Azhar University

2018 - present

Entrepreneurship consultant at Techno-space Academy

Cairo / Alexandria

2019 – present

Education

PhD of pharmaceutical chemistry

Al Azhar University, Egypt 2003

MBA

University of East London, London, UK
2023

Innovate Egypt 2023

Entrepreneurship training program, May 2023

Cairo Innovate Egypt 2023 Pitch-day

Entrepreneurship training program, June 2023

Entrepreneurial Thoughts course, Babson University achiever

Babson University, USA 2020

Teaching Experience

Post-graduate teaching (Master / PhD)

- 1- Drug design, (Master) PCM1.
- 2- Advanced Pharmaceutical 1, (Master) PCM2.
- 3- Structure elucidation of drugs, (Master) PCM3.
- 4- Modern synthetic reactions for drugs (PhD) PCP1
- 5- Advanced Pharmaceutical 2, (PhD) PCP2

College of Pharmacy/ Al Azhar University (Girls)/Cairo
2014-2021

Undergraduate teaching in pharmaceutical medicinal chemistry (3rd, 4th, and 5th academic level)

- 1- Medicinal Chemistry I
- 2- Medicinal Chemistry II
- 3- Medicinal Chemistry III
- 4- Drug Design

Some Publications & Scientific Project:

Design, anticancer evaluation of new pyridopyrimidines

Scientific Project

Source: STDF

Amount: 200.000 EP

2020-2021

1-New pyrano-pyridine conjugates as potential anticancer agents: design, synthesis and computational studies

Future Medicinal Chemistry

IF 3.2

November 2024

DOI: 10.1080/17568919.2024.2431475

2-Design, Molecular Modeling, MD Simulations, Essential Dynamics, ADMET, DFT, Synthesis, Anti-proliferative, and Apoptotic Evaluations of a New Anti-VEGFR-2 Nicotinamide Analogue

Current Pharmaceutical Design

IF 2.6

November 2023

DOI: 10.2174/0113816128274870231102114858

3-Novel Pyrido-Thiazolo-Pyrimidinone Hybrids targeting EGFRWT and EGFR790M: Design, Synthesis, Anticancer Activity, and Docking Simulation

Azhar International Journal of Pharmaceutical and Medical Sciences

January 2023

DOI: 10.21608/aijpms.2022.147229.1149

4-A New Theobromine-Based EGFRWT and EGFR790M Inhibitor and Apoptosis Inducer: Design, Semi-Synthesis, Docking, DFT, MD Simulations, and In Vitro Studies

Processes

IF 2.8

November 2022

DOI: [10.3390/pr10112290](https://doi.org/10.3390/pr10112290)

5-Modified pyrido[2,3-d] pyrimidin-4(3H)-one derivatives as EGFRWT and EGFR790M inhibitors: Design, synthesis, and anti-cancer evaluation

Journal of Molecular Structure

IF 3.841

December 2022

DOI: 10.1016/j.molstruc.2022.133971

6-Discovery of new 1H-pyrazolo[3,4-d] pyrimidine derivatives as anticancer agents targeting EGFRWT and EGFR790M

Journal of Enzyme Inhibition and Medicinal Chemistry

IF 5.05

VOL. 37, NO. 1, 2283-2303

<https://doi.org/10.1080/14756366.2022.2112575>

2022

7-Design, synthesis, and anti-cancer evaluation of new pyrido[2,3-d] pyrimidin-4(3H)-one derivatives as potential EGFRWT and EGFR790M inhibitors and apoptosis inducers

Journal of Enzyme Inhibition and Medicinal Chemistry

IF 5.05
37, 1053–1076
<https://doi.org/10.1080/14756366.2022.2062752>
2022

8-Antibacterial and Anticancer Profiling of New Benzocaine Derivatives: Design, Synthesis, and Molecular Mechanism of Action

Arch. Pharm. Chem. Life Science.
February 2022
IF 3.751
DOI: 10.1002/ardp.202100451

9-Design, synthesis and evaluation of new quinazolin-4-one derivatives as apoptotic enhancers and autophagy inhibitors with potent antitumor activity

European journal medicinal chemistry
June 2021
IF 6.514
DOI: [10.1016/j.ejmech.2021.113609](https://doi.org/10.1016/j.ejmech.2021.113609)

10-Cytotoxicity, docking study of new fluorinated fused pyrimidines scaffold: thermal and microwave irradiation synthesis

Medicinal chemistry
Jun 2021
IF 2.5
DOI: <https://doi.org/10.2174/1573406416666191216120301>

11-Discovery of new quinolines as potent colchicine binding site inhibitors: design, synthesis, docking studies, and anti-proliferative evaluation

Journal of Enzyme Inhibition and Medicinal Chemistry
IF 5.05
January 2021
DOI: 10.1080/14756366.2021.1883598

12-Novel thiobarbiturates as potent urease inhibitors with potential antibacterial activity: Design, synthesis, radiolabelling and biodistribution study.

Bioorganic and medicinal chemistry.
DOI:10.1016/j.bmc.2020.115759.
IF 3.07
12,2020
2020

13-Synthesis and Antitumor Activity of Novel Hybrids of Pyrimidine/Benzimidazole Scaffolds

Polycyclic Aromatic Compounds.
Doi.org/10.1080/10406638.2020.1833050.
IF 1.89
2020

14-Design and synthesis of novel tranilast analogs: Docking, antiproliferative evaluation and in-silico screening of TGFβR1 inhibitors.

Bioorganic Chemistry.

<https://doi.org/10.1016/j.bioorg.2020.104368>.

IF 3.94

105, 12, 104368

2020

15-Modifying the Lipophilic Part of Phenylthiazole Antibiotics to Control Their Drug Likeness.

European Journal of Medicinal Chemistry.

doi.org/10.1016/j.ejmech.2019.111830.

IF 4.94

2019

16-Utility of anthranlic acid and diethylacetylene dicarboxylate for synthesis of nitrogenous organo/organometallic compounds as urease inhibitor.

Archiv der pharmazie

DOI: 10.1002/ardp.201800314.

IF 2.59

352:e1800314

2019

17-1New thiobarbituric acid scaffold-based small molecules: Synthesis, cytotoxicity, 2D-QSAR, pharmacophore modelling and in-silico ADME screening.

European Journal of Pharmaceutical Sciences.

IF 3.66

130, 124

2019

18-1Synthesis of New Bis-Spiropyrazoles as Antitumor Agents under Ultrasound Irradiation.

Mini-Reviews in Medicinal Chemistry.

DOI:10.2174/1389557517666170912170027.

IF 2.51

18, 631-637, 2018

2018

19-Anticancer evaluation and molecular modelling of multi-targeted kinase inhibitors based pyrido[2,3-d] pyrimidine scaffold.

Journal of Enzyme Inhibition and Medicinal Chemistry.

IF 4.31

33, 546

2018

20-Approaches of virtual screening in drug discovery.

Book published by LAMBERT Academic publishing.

2017

21-Synthesis, Characterization, and Biological Evaluation of Some Novel Quinoxaline Derivatives as Antiviral Agents.

Arch. Pharm. Chem. Life Science.

IF 2.59

350,

2017

22-An Efficient Synthesis of Novel Bioactive Thiazolyl-Phthalazinediones under Ultrasound Irradiation.

Molecules.

IF 3.01

22, 319

2017

23-A study of the allosteric inhibition of HCV RNA dependent RNA polymerase and implementing virtual screening for the selection of promising dual-site inhibitors with low resistance potential.

Journal of Receptors and Signal Transduction.

IF 1.65

36, 22

2016

24-Synthesis and antiviral activity of some new bis-1,3-thiazole derivatives.

European Journal of Medicinal Chemistry

IF 4.94

102, 266

2015

25-Eco-friendly synthesis and 2D-QSAR study of novel pyrazolines as potential anticolon cancer agents.

Medicinal Chemistry Research.

IF 1.72

24, 652

2015

26-Utility of 2-Thiohydantoin Derivatives in the Synthesis of Some Condensed Heterocyclic Compounds with Expected Biological Activity.

International Life Science.

10, 1993

2013

27-Synthesis of some new pyrazole-based 1,3-thiazoles and 1,3,4-thiadiazoles as anticancer agents.

European Journal of Medicinal Chemistry

IF 4.94

70, 740

2013

28-Synthesis, Docking, and Antibacterial Activity of Some Novel 4-Substituted-s-triazino[1,2-a] benzimidazoles.

Der Pharma Chemica

4, 2140

2012

29-Virtual Screening in Drug Discovery, A Topic between Believe and Reality?

Biochemistry & Pharmacology

1, 1

2012

30-Synthesis, characterization of some benzazoles bearing pyridine moiety: Search for novel anticancer agents.

European Journal of Medicinal Chemistry

IF 4.94

46, 4025

2011

31-Synthesis and anticancer activity of some novel diphenic acid derivatives.

Der Pharma Chemica

3, 48

2011

32-A convenient synthesis and molecular modelling study of novel purine and pyrimidine derivatives as CDK2/cyclin A3 inhibitors.

Bioorganic & Medicinal Chemistry

IF 3.07

18, 7639

2010

33-Microwave-assisted synthesis and in-vitro anti-tumour activity of 1,3,4 -triaryl-5-N-arylpyrazole-carboxamides.

European Journal of Medicinal Chemistry

IF 4.94

45, 2427

2010

34-Facile Synthesis and In-Vitro Antitumor Activity of Som Pyrazolo[3,4-b] pyridines and Pyrazolo[1,5-a]pyrimidines Linked to a Thiazolo[3,2 a] benz-imidazole Moiety.

Arch. Pharm. Chem. Life Sci. 343 (2010) 24–30.

IF 2.59

343, 24

2010

35-Synthesis of Novel 1-Pyrazolylpyridin-2-one as Potential Anti-inflammatory and Analgesic Agents.

Arch. Pharm. Chem. Life Science.

IF 2.5

36-Ethoxycarbonylmethylenequinoxalin-2-one in Heterocyclic Synthesis. Part 2: Synthesis and Pharmacological Evaluation of new 6,7-Dimethylquinoxaline as Potential Nonulcerogenic Anti-inflammatory and Analgesic Agents.

Afinidad.

63, 57.

2006

37-Ethoxycarbonylmethylenequinoxalin-2-one in Heterocyclic Synthesis. Part 1: Synthesis of New Substituted and Condensed Quinoxalines.

Afinidad.

62, 151.

2005

38-Synthesis and Pharmacological Evaluation of Novel Quinoxalines as Potential Non-ulcerogenic Anti-inflammatory and Analgesic Agents.

Arzneim-Forsch. /Drug Research.

55, 738.

2005

39-Synthesis and Anticonvulsant Activity of some novel 4,4'-Dibromo-dibenz-5,7(6H) diones

Egypt. J. Pharm. Science.

39, 475

1998

Supervision and judgement of PhD and Master Theses:

20 theses of both

Membership:

American chemical society

2010-2011

The world Academy of Science, Engineering and Technology (WASET)

2021 - Present

Reviewer

Medicinal Chemistry Research.

Archiv Der Pharmazie.

Current Organic Chemistry.

Bioorganic chemistry.

Attended conferences and Scientific Workshops:

Certificate for oral presentation and moderation of the 4th international conference of chemistry and applied science.

Inti International University, Malaysia.

2022

Certificate for oral presentation in 3rd international conference for infection, prevention, and control.

Coalesce conference group

2022

Certificate for Poster presentation in 2nd Edition of Chemistry World Conference.

Magnus conference group

2022

**Certificate for oral presentation in 2nd PUA International Conference
"Multidisciplinary Approaches in Pharmaceutical Sciences"**

Pharos University

2020

Certificate of attendance for "Cairo Innovation" Competition.

Academy for Scientific Research and Technology.

2019

Certificate of attendance for workshop course "Introduction to Teaching Excellence in Pharmacy Education" under supervision of Knowledge E Organization with EKB.

Al Azhar University.

2018

Certificate of attendance for workshop course "Artificial Intelligence and Drug repositioning"

Helwan University.

2018

Active attendance of the 4th workshop "Application of QSAR in drug discovery"

October 6 university.

2018

Active attendance of the 3rd condensed training course "Application of molecular docking in drug design and discovery".

October 6 university.

2018

Joined Clinical and Pharmacotherapy course.

Active Training center.

2018

XXXIII International conference of pharmaceutical sciences Organized by: Egyptian Pharmaceutical Society.

Cairo University conference hall.

2016

Participation in the workshop “Bibliometrics, benchmarking and impact factors” under supervision of E Knowledge organization with the coordinator Egyptian knowledge bank.

Al Azhar University Cairo, Egypt.

2016

Participation in the workshop “University rankings” under supervision of E Knowledge organization with the coordinator Egyptian knowledge bank.

Al Azhar University Cairo, Egypt.

2016

Training course “Self-Evaluation for HE Institute”.

National authority for quality assurance and accreditation of education.

2016

Training course “Strategic planning for HE institutes”.

National authority for quality assurance and accreditation of education

2016

Training course (Educational programs and courses specification and evaluation of learning outcomes).

National authority for quality assurance and accreditation of education.

2015

Training course (Crisis management).

Quality assurance and training center Al Azhar University

2014

Training course (Developing legal and administrative skills).

Quality assurance and training center Al Azhar University

2014

Training course (strategic planning).

Quality assurance and training center Al Azhar University

2014

Training course (Current trends in higher education development).

Quality assurance and training center Al Azhar University

2014

Training course (effective stress and time management).

Quality assurance and training center Al Azhar University

2014

4th International scientific conference of faculty of pharmacy (Cairo University).

Cairo University conference hall
2013

Awards

Certificate of organizing workshop “Computer Aided Drug Design in Medicinal Chemistry” held in North Africa Regional Office of AAU & Saleh Kamel Center, Al Azhar University.
2019

Certificate of organizing AU Week Forum under Supervision and Organization of North Africa Regional Office of AAU in Al Azhar University (NARO).
2019

Certificate of organizing workshop “NMR From Chart to Structure” held in North Africa Regional Office of AAU in Al Azhar University (NARO).
2019

Certificate of appreciation for the contribution of organizing workshop course “Quality Assurance Knowledge and Skills” held in North Africa Regional Office of AAU in Al Azhar University (NARO). Under supervision of AAU.
2019

Certificate of appreciation for the contribution of organizing “COREVIP 2019” Conference under the cooperation of Al Azhar University and Association of African Universities (AAU).
2019

Certificate of appreciation for the contribution of organization of the first Olympic Champion for the youth of African University under the cooperation of Al-Azhar University and Association of African Universities (AAU).
2019

Certificate of appreciation for the contribution of organization of the Inauguration of North Africa Regional Office of AAU in Al Azhar University (NARO). Under Supervision of Association of African University (AAU).
2019

Certificate of appreciation for the contribution of organization the forum titled “High education and pharmaceutical manufacturing” under the cooperation of Al Azhar University and Association of African Universities (AAU).
2018

Certificate of appreciation for the contribution of the awareness campaign about the misuse of the antibiotics that was organized in cooperation with WHO and Egyptian Ministry of Health.
2018

Certificate of appreciation for the contribution of organization of the opening ceremony of the academic year 2018-2019.

2018

Certificate of appreciation for the contribution as coordinator for the standard of scientific research in the year of accreditation.

2018

Certificate of appreciation for the contribution of the 1st scientific day of college of pharmacy Al Azhar University (Girls') entitled "An updated view in pharmaceutical sciences and practice".

2016

Activities in Quality Assurance of Education

External reviewer for courses specification for undergraduate and postgrad

Helwan University / 6th October

2022

Coordinator for scientific research standard during Accreditation period

Pharmacy college/ Al Azhar University (Girls)/Cairo

2017 – 2019

Head of the Developing and Media committee of Crises and Disaster unit.

Pharmacy college/ Al Azhar University (Girls)/Cairo

2016-2017

College Coordinator with NAQAA for the training courses sessions entitled:

1- Strategic planning for HE institutes.

2- Self-evaluation for HE institutes.

Pharmacy college/ Al Azhar University (Girls)/Cairo

2015-2016

Coordinator for scientific research committee (Quality Assurance unit) achievement:

1- Share in planning Vision, Mission, and Research plan.

2- Assemble and summarize the annual reports for the scientific research plan.

3- Share in establishing the ARS for the postgraduate.

4- Share in establishing the course specs and reports for postgraduates.

5- Prepare the file of scientific research for accreditation.

Pharmacy college/ Al Azhar University (Girls)/Cairo

2015-2017

Arrange a lecture titled:

How to read and write scientific paper?

Pharmacy college/ Al Azhar University (Girls)/Cairo

2015- 2016

Leadership & Administrative Positions

Member in the control committee.

Pharmacy college/ Al Azhar University (Girls)/Cairo
2003-2022

Head of the control committee.

Pharmacy college/ Al Azhar University (Girls)/Cairo
2014-2021

Member in college council

Pharmacy college/ Al Azhar University (Girls)/Cairo
2019 / 2020

Member in student affairs committee.

Pharmacy college/ Al Azhar University (Girls)/Cairo
2018-2019

Member of the committee of the scientific labs and equipment.

Pharmacy college/ Al Azhar University (Girls)/Cairo
2017-2018

Member in grants & mission committee

Pharmacy college/ Al Azhar University (Girls)/Cairo
2013-2017

Member of the technical committee for the central lab (examine FTIR).

Pharmacy college/ Al Azhar University (Girls)/Cairo
2013-2014

Entrepreneurship Education & Activities

Held an info session in entrepreneurial mindset: Target attendees (Student in 4th and 5th grades).

Pharmacy college/ MTI University/ Cairo
2022

Joining RWAQ Cairo incubator in training team and incubatee officer.

Hosted in Al Azhar University, College of Pharmacy.
July 2021 – Present.

Held an info session in entrepreneurial mindset: Target attendees (Student in 4th and 5th grades).

Pharmacy college/ Al Azhar University (Girls)/Cairo.
2021

Coordinator for Azhar Entrepreneurship Club

Al Azhar University (AUEC) for Faculty of pharmacy
2018 – Present

Join online courses in Babson College:

Wellesley, Massachusetts, USA.

Achievement: Successfully completed and received passing grades in the following courses:

- 1- The Entrepreneurial Mindset.
- 2- Financial Accounting Made Fun Eliminating Your Fears.
- 3- Analytics for Decision Making.
- 4- Financial Analysis for Decision Making Funding Your Business.
- 5- Marketing fundamentals who is your customer.
- 6- Digital strategy and action.

Babson College: Wellesley, Massachusetts, USA.

November 2019 - April 2020

Held an info session in entrepreneurial mindset: Target attendees (Student in 4th and 5th grades).

Pharmacy college/ Al Azhar University (Girls)/Cairo.

December 2019

Successfully complete “Business Principles and Entrepreneurial Thought XSeries” From Babson college with NTL-ID: 80-55; following NTL initiative that funded from Ministry of Communication and Information Technology (MCIT) includes 6 courses:

- 1- Certificate Analytics for Decision Making.
- 2- Certificate Digital strategy and action.
- 3- Certificate Financial Accounting Made Fun Eliminating Your Fears.
- 4- Certificate Financial Analysis for Decision Making Funding Your Business.
- 5- Certificate Marketing fundamentals who is your customer.
- 6- Certificate The Entrepreneurial Mindset.

Officer for incubated groups in RWAQ Cairo incubator.**Training activity in Entrepreneurship:**

- 1- Provide training courses for startups in BMC and value proposition.
- 2- Provide training courses for startups in lean startups.

References

Eli Velasquez

B.S. in Mechanical Engineering from Boston University and a J.D. degree with an Intellectual Property Law Certificate from Whittier Law School.

Founder & CEO

Capital Stack Investors

Founder & Managing Partner

Investors of Color

Relation: Instructor and trainer during INNOVATE EGYPT PROGRAM.

Email: eliseo.velasquez@gmail.com

LinkedIn: <https://www.linkedin.com/in/eli-velasquez/>

Dr. Eng Mohamed Galal Farghaly.

Dean of Faculty of Engineering, Al Azhar University.

PhD of Engineering Freidrich-Alexander University.

Advisor for Innovation, Entrepreneurship, and incubators.

Director, Technology, Innovation Commercialization Office, Al Azhar University

Director for TICO office Al Azhar University

Relation: working under his supervision in Azhar University Entrepreneurship Club (AUEC) and RWAQ CAIRO incubator.

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Prof PhD Reem K. Arafa

Director of Non-Academic Student Life

Professor of Biomedical Sciences

Zewail City of Science, Technology, and Innovation.

rkhidr@zewailcity.edu.eg

+20 1002074028

Prof PhD Sherif Fouad Hammad

PharmD Program Direct, Egyptian Japanese University for Science and Technology (EJUST)

Sherif.Hammad@ejust.edu.eg

+20 1013747382

Prof PhD Mohamed Ayman Elzahabi

Ex-Head of Pharmaceutical Chemistry Department, Al Azhar University Boys Branch

Relation: Co-partner in research work.

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