Ahmed Samir Ibrahim Elkhouly

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EDUCATION AND ACADEMIC SUMMARY :

PhD in Pharmaceutical Chemistry (July 2014)

• Faculty of Pharmacy, Hacettepe University - Turkey .

MSc in Pharmaceutical Chemistry (September 2009)

• Faculty of Pharmacy, Cairo University – Egypt .

BSc in Pharmaceutical Science (May 2002)

- Faculty of Pharmacy, Zagazig University Egypt (1997-2002)
- Cumulative Grade: very good with honor .

High School (1997)

- High School Name: Sirs El-layan High School .
- Grade : 96.25 %

WORK AND JOB HISTORY :

2019 up to date	Pharmaceutical Sciences Department, Faculty of Pharmacy, Jerash University, Jordan
	Lecturer (Assistant professor) of Organic chemistry and Medicinal chemistry
2020 up to date	Faculty of Pharmacy, Jerash University, Jordan Head of Quality Assurance (QA) committee
2017 -2018	Egyptian Prime Minister Member of Egyptian Health Development committee
2016 -2019	Medicinal Chemistry Department, Faculty of Pharmacy University of Sadat City, Menoufia – Egypt <i>Lecturer (Assistant professor) of Organic chemistry and Medicinal chemistry</i>
2014-2016	National Organization for Drug Control and Research (NODCAR), HPLC Laboratory, Cairo - EgyptResearcher & technical manger- Revising drug registration files, responsible for lab technical training & supervision and supervising pharmaceutical chemistry MSc students .
2010-2014	Pharmaceutical Chemistry Department, Faculty of Pharmacy , Hacettepe University, Ankara, Turkey <i>Researcher</i>

	- Conducting Ph.D research work, participating in research projects, teaching in pharmaceutical chemistry laboratories including practical training courses for graduate students; and supervising graduation projects .
2008- 2010	National Organization for Drug Control and Research (NODCAR) Member of NODCAR Accreditation Committee - Participate in an Organizational level project to qualify laboratories to be accredited according to ISO/IEC 17025 international standards.
2005-2010	NODCAR, Pharmaceutical Chemistry Laboratory Assistant Researcher (Parallel with the aforementioned routine work) - Conducting research work .
2006-2010	 NODCAR, HPLC Laboratory <i>Technical Manager Deputy</i> Supervise Q.C Specialists, review analytical test methods, test results reports & ensure lab equipment suitability . Participate in establishing, implementing & reviewing the Quality management system of the laboratory to comply with ISO/IEC 17025 international standards as HPLC lab is certified (Accredited) since April 2008 .
2003-2006	NODCAR, HPLC Laboratory <i>Drug Control Specialist</i> - Evaluate the quality of pharmaceuticals in their different pharmaceutical forms in accordance to the national and international standards using HPLC systems.
TRAINING :	
Internal training at Sa	adat University
2018	 Role of Calibration in the development of laboratory quality Modern techniques in teaching Exam test Item preparation Question bank preparation

- Exam automatic remarking

Internal training at NODCAR

2008	- Method Validation
2007	 Training on Agilent HPLC 1200 instrument Awareness for ISO/IEC 17025 for laboratory accreditation
2005	 Management requirements of ISO/IEC 17025 Technical requirements of ISO/IEC 17025 Principles of HPLC Instrumentation of HPLC Computational approach of R&D in pharmaceutical industry
External training	
2014	 In-Silico Techniques: Three-Dimensional Modeling and Simulation of Protein Structure Prediction Organized by Faculty of Medicine, Bahçeşehir University, Istanbul, Turkey .

2008	 Measurement uncertainty Organized by Egyptian Accreditation Council "EGAC " Application of HPLC in Bioavailability studies (practical training)
2006	At Drug Research center DRC (A private bioavailability center) - Drug inspection Organized by Central Administration for Technical Support and Project, Pharmaceutical Reform Program & Europe Aid

TECHNICAL & ACADEMIC SKILLS :

- Ability to teach pharmaceutical and organic chemistry topics, in addition to some pharmaceutical analytical chemistry topics .
- Ability to teach & demonstrate international standards & guidelines required for quality certification of organizations. (eg, ISO 17025, WHO guidelines, etc.).
- Ability to stand alone in Synthetic Chemistry laboratory .
- Ability to use CEM Discover®SP and Milestone Flexiwave microwave synthesis system .
- Ability to use different molecular modeling programs such as **Autodock** docking program & **LigandScout 3.1** Pharmacophore Generating program
- Ability to operate Interchim Puriflash chromatography systems ...
- Ability to operate Agilent and Thermo HPLC systems .
- Ability to analyze different pharmaceutical dosage forms using HPLC by performing identification, assay, impurities and content uniformity of the active ingredients.
- Ability to participate in initiation, development & maintenance of the laboratory quality system with compliance of ISO/IEC 17025 international standard .

PUBLICATIONS :

- S. Öztürk Yıldırım , R. J. Butcher, A. El-Khouly, C. Şafak and R. Şimşek. 3,3,6,6-Tetramethyl-9-(1-methyl-1H-indol-2-yl)-1,2,3,4,5,6,7,8,9,10-decahydroacridine-1,8-dione. Acta Cryst. (2012). E68, o3365-03366, *doi:10.1107/S1600536812045722*

- El-Khouly, S. Öztürk Yıldırım, R. J. Butcher, R. Şimşek and C. Şafak. 9-(5-Bromo-1H- indol-2-yl)-1,2,3,4,5,6,7,8,9,10-decahydroacridine-1,8-dione dimethyl sulfoxide monosolvate. Acta Cryst. Acta Cryst. (2012). E68, o3337 , *doi:10.1107/S1600536812045886*

- M. G. Gündüz, R. J. Butcher, S. Öztürk Yıldırım, A. El-Khouly, C. Şafak and R. Şimşek. Ethyl 4-(5-bromo-1H-indol-3-yl)-2,6,6-trimethyl-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate. Acta Cryst. (2012). E68, 03404-03405, *doi:10.1107/S1600536812046909*

- S. Öztürk Yıldırım , R. J. Butcher, R. Şimşek, A. El-Khouly and C. Şafak. 2,2,7,7-Tetramethyl-1,2,3,4,5,6,7,8-octahydroacridine-1,8-dione. Acta Cryst. (2013). E69, o88-o89 , *doi:10.1107/S1600536812048957*

- S. Öztürk Yıldırım , R. J. Butcher, M. G. Gündüz, A. El-Khouly, R. Şimşek and C. Şafak. Ethyl 2,7,7-trimethyl-4-(1-methyl-1H-indol-3-yl)-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate. Acta Cryst. (2013). E69, o40-o41 , *doi:10.1107/S1600536812047976*

- A. El-Khouly, M. G. Gündüz, Ç. Çengelli, R. Şimşek, K. Erol, C. Şafak, S. Öztürk Yıldırım, R. J. Butcher. Microwave-Assisted Synthesis and Spasmolytic Activity of 4-Indolylhexahydroquinoline Derivatives. Drug Res. (2013) 63, 579-585, *doi: 10.1055/s-0033-1348261*

- Miyase Gözde Gündüza, Fatma Işli, Ahmed El-Khouly, Şeniz Yıldırım, Gökçe Sevim Öztürk Fincan, Rahime Şimşek, Cihat Şafak, Yusuf Sarıoğlu, Sema Öztürk Yıldırım, Ray J. Butcher. Microwave-assisted synthesis and myorelaxant activity of 9-indolyl-1,8-acridinedione derivatives. Euro. J. Med. Chem. (2014) 75, 258-266, http://dx.doi.org/10.1016/j.ejmech.2014.01.059

- Erdem Kamil Özer, Miyase Gözde Gündüz, Ahmed El-Khouly, Mehmet Yıldırım Sara, Rahime Şimşek, Alper Bektaş İskit, Cihat Şafak. Microwave-assisted synthesis of condensed 1,4-dihydropyridines as potential calcium channel modulators. Turk J Chem. (2015) , *doi:10.3906/kim-1412-72*

- Özge Sürücü, Gülçin Bolat, Ahmad El-Khouly, Miyase Gözde Gündüz, Rahime Simşek, Serdar Abacı1, Filiz Kuralay, Cihat Şafak. Electrochemical Detection of Antioxidant Activities of 1,4-Dihydropyridine Derivative. Hacettepe J. Biol. & Chem. (2016) 44 (4), 535–548

- Miyase Gözde Gündüz, Gaetano Rango, Rahime Şimşek, Michlele De Luca, Cihat Şafak, Fedora Grande, Ahmed El-Khouly, Fatma Işli, Şeniz Yıldırım, Gökçe Sevim Öztürk Fincan, Giuseppina Ioele. Synthesis and photodegradation studies of analogues of muscle relaxant 1,4-dihydropyridine compounds. Acta Pharm. 67 (2017)341-355 , *doi:10.1515/acph-2017-0026*

- Erdem Kamil Ozer*, Miyase Gozde Gunduz, Ahmed El-Khouly, Yildirim Sara, Rahime Simsek, Alper Bektas Iskit and Cihat Safak. Synthesis of fused 1,4-dihydropyridines as potential calcium channel blockers. Turk J Biochem 2017, *doi* 10.1515/tjb-2016-0247

- Marwa Fouad Mansour, Micheal Assefa, Ahmed El-Khouly, Peixi Zhu, Ann Van Schepdae and Erwin Adams. Development of a reversed phase liquid chromatographic method for analysis of pyridoxal-5'-phosphate and its impurities. Electrophoresis 2018, 39, 2540-2549, *doi 10.1002/elps.201800066*

- Refaie M. Kassab, Sobhi M. Gomha, Zeinab A. Muhammad* and Ahmed S. El-khouly, "Synthesis, Biological Profile, and Molecular Docking of Some New BisImidazole Fused Templates and Investigation of Their Cytotoxic Potential as Anti-tubercular and/or Anticancer Prototypes", Medicinal Chemistry 2021, 17: 1. *doi* 10.2174/1573406417666201208121458

- Mohamed Hamdi, Hend Mohamed Abdel-Bar, Enas Elmowafy, Ahmed El-khouly, Mai Mansour, and Gehanne A.S. Awad, "Investigating the Internalization and COVID-19 Antiviral Computational Analysis of Optimized Nanoscale Zinc Oxide", ACS Omega Article ASAP. *doi: 10.1021/acsomega.0c06046*

POSTERS :

- "Synthesis and calcium channel modulatory activity of 4-(2-Indolyl)- or (3-Indolyl)- 1,4,5,6,7,8 hexahydroquinoline derivatives" 47th International Conference on Medicinal Chemistry, 6-8 July (2011), University of Lyon, Lyon, France.

- "Potassium channel opening and myorelaxant activities of new 9-indolyl-1,8-acridinedione derivatives "Frontiers in Medicinal Chemistry, 17-20 March (2013), **Munich, Germany**.

- "Microwave-assisted synthesis and biological evaluation of novel condensed dihydropyridine derivatives as calcium channel modulators", Frontiers in Medicinal Chemistry, 17-20 March (2013), Munich, Germany .

COMPUTER AND LANGUAGE SKILLS

• Computer skills :

Excellent Computer Skills with significant knowledge of MS Windows, MS Office (Word, Excel, Access, Power point)

- Languages :
- Arabic (Mother tongue)
- English (Good written and spoken)
- Turkish (fair)

PERSONAL DATA :

- Date of birth: January 14th, 1981.
- Address: Sirs El-Layan, Menoufia, Egypt .
- Nationality: Egyptian .
- Martial Status: Married .
- Military service: Exempted.