# SAFAA M. KISHK, PH.D.

Lecturer (Pharmaceutical Chemistry)
Medicinal Chemistry Department
Faculty of Pharmacy, Suez Canal University,
Ismailia, Egypt.

# \* PERSONAL INFORMATION

**Date of birth:** 3<sup>rd</sup> September 1983

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Web of Science h-index: 6

Scopus h-index: 7

## PROFESSIONAL EXPERIENCE

- <u>June 2018-present:</u> Lecturer, Medicinal Chemistry Department, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt. (Teaching Medicinal Chemistry Courses for undergraduate, postgraduate, and clinical pharmacy students). <u>April 2021-present:</u> Part-time Lecturer, Institute of Biotechnology, Suez Canal University, Ismailia, Egypt (Teaching Structural Bioinformatics, Molecular Modelling, and Networks & Biological Systems Biology courses for diploma, and PhD students).
- October 2017-May 2018: Assistant Lecturer, Medicinal Chemistry Department, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt (Teaching Medicinal Chemistry Practical Courses for undergraduate and clinical pharmacy students).
- <u>September 2015- September 2017:</u> PhD student in School of Pharmacy and Pharmaceutical Sciences, Cardiff University, UK, in a joint supervision Newton-Scholarship.

- January 2014 September 2015: Assistant Lecturer, Medicinal Chemistry Department, Faculty of Pharmacy, Suez Canal University, Egypt (Teaching Medicinal Chemistry Practical Courses for undergraduate and clinical pharmacy students).
- November 2006 December 2013: Demonstrator, Medicinal Chemistry Department, Faculty of Pharmacy, Suez Canal University, Egypt (Teaching Medicinal Chemistry Practical Courses for undergraduate and clinical pharmacy students).

## **\* EDUCATION AND DEGREES**

- **Diploma of Bioinformatics**, with overall grade: excellent with honour, Institute of Biotechnology, Suez Canal University, Ismailia, Egypt (2020).
- **PhD of Pharmaceutical Sciences (Medicinal Chemistry)**, with overall grade: excellent with honour, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt (2018).
- MSc of Pharmaceutical Sciences (Medicinal Chemistry), with overall grade: excellent with honour, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt (2013).
- **Bachelor of Pharmaceutical Sciences** with overall grade: excellent with honour, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt (2006).

# INSTITUTIONAL RESPONSIBILITIES

- Member of the Graduate Studies and Research Committee at the Faculty of Pharmacy Suez Canal University for the academic year 2018/2019.
- Member of the Measurement and Evaluation Committee at the Faculty of Pharmacy Suez Canal University.
- An academic advisor for the first year of the Bachelor of Pharmacy program (PharmD) for the academic year 2019/2020.
- Member of the Editorial Board of "Records of Pharmaceutical and Biomedical Sciences. Print ISSN: 2536-9857 - Online ISSN: 2535-2091", the official journal of the Faculty of Pharmacy, Suez Canal University, from November 2019 to date.
- Member of the Libraries Committee at the Faculty of Pharmacy Suez Canal University from the academic year 2019/2020 to date.
- Deputy Director of the Community Service and Environmental Development Unit from the academic year 2019/2020 to date.

- Representative of the Faculty of Pharmacy at the International Classification Unit at Suez Canal University for the academic year 2019/2020.
- Member of the Young Researchers Committee since the academic year 2019/2020 to date.
- Instructor of the safety and security workshop in laboratories at Suez Canal University from the academic year 2019/2020 until the academic year 2021/2022.
- An academic advisor for the second year of the Bachelor of Pharmacy program (PharmD) for the academic year 2020/2021.
- An academic advisor for the third year of the Bachelor of Pharmacy program (Pharm D) for the academic year 2021/2022.
- An academic advisor for the fourth year of the Bachelor of Pharmacy program (Pharm D) for the academic year 2022/2023.
- Academic mentor for the first year of the Bachelor of Clinical Pharmacy program (PharmD) at Ismailia National University for the academic year 2022/2023.
- A member of the College's Academic Support Unit (Outstanding Students Committee) for the academic year 2019/2020 to date.
- Member of the Supreme Committee to review exam results for the Bachelor of Pharmacy program from the academic year 2019/2020 to date.
- A member of the summer and field training follow-up unit for undergraduate students in the Bachelor of Pharmacy and Clinical Pharmacy programs for the academic year 2019/2020 to date.
- Member of the control of the third year, the clinical pharmacy program for the academic year 2018/2019 to date, the control of the second year, modern for the academic year 2018/2019 and the academic year 2019/2020, the control of the fourth year, modern / Pharm D for the academic year 2020/2021 to date.
- Head of Laboratory Safety Unit in Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt for the academic year 2020/2022.
- Member of ACS American Chemical Society, membership number 33333781, from September 6, 2022 to date.
- Member of the Council of the Department of Medicinal Chemistry at the Faculty of Pharmacy Suez
   Canal University for the academic year 2022/2023.
- Member of the Agreements Unit of the International Cooperation Office at Suez Canal University from the academic year 2022/2023.
- Member of the Ismailia Pharmacists Syndicate.

# PUBLICATIONS

- Nemr N, Kishk RM, Soliman NH, Farghaly RM, Kishk SM, Louis N. Perception of COVID-19 and Vaccine Acceptance among Healthcare Workers. *International Journal of Microbiology*. 2022. <a href="https://doi.org/10.1155/2022/1607441">https://doi.org/10.1155/2022/1607441</a>
- Abbas AM, Aboelmagd A, Kishk SM, Nasrallah HH, Boyd WC, Kalil H, Orabi AS. A Novel Ibuprofen Derivative and Its Complexes: Physicochemical Characterization, DFT Modeling, Docking, In Vitro Anti-Inflammatory Studies, and DNA Interaction. *Molecules*. 2022; 27(21):7540. <a href="https://doi.org/10.3390/molecules27217540">https://doi.org/10.3390/molecules27217540</a>
- Fakhry MM, Mahmoud K, Nafie MS, Noor AO, Hareeri RH, Salama I, Kishk SM. Rational Design, Synthesis and Biological Evaluation of Novel Pyrazoline-Based Antiproliferative Agents in MCF-7 Cancer Cells. *Pharmaceuticals*. 2022; 15(10):1245. <a href="https://doi.org/10.3390/ph15101245">https://doi.org/10.3390/ph15101245</a>
- Kishk SM, Eltamany EE, Nafie MS, Khinkar RM, Hareeri RH, Elhady SS, Yassen ASA. Design and Synthesis of Coumarin Derivatives as Cytotoxic Agents through PI3K/AKT Signaling Pathway Inhibition in HL60 and HepG2 Cancer Cells. *Molecules*. 2022; 27(19):6709. <a href="https://doi.org/10.3390/molecules27196709">https://doi.org/10.3390/molecules27196709</a>
- Nafie MS, **Kishk SM**, Mahgoub S, Amer AM. Quinoline-based thiazolidinone derivatives as potent cytotoxic and apoptosis-inducing agents through EGFR inhibition. *Chem Biol Drug Des*. 2022;99(4):547-560. https://doi:10.1111/cbdd.13997
- Kishk RM, Nemr N, Aly HM, Soliman NH, Hagras AM, Ahmed AA, Kishk SM, Ahmed MM, Louis N. Assessment of Potential Risk Factors for Coronavirus Disease-19 (COVID-19) Among Health Care Workers. *Journal of Infection and Public Health*. 2021. doi.org/10.1016/j.jiph.2021.07.004
- Nagy MI, Darwish KM, Kishk SM, Mostafa SM, Salama I. Insights into Novel Drugs Targeting Bcl-2 protein as Potential Anti-cancer Agents. *Records of Pharmaceutical and Biomedical Sciences*. 2021; 5(1):33-42.
- Nagy MI, Darwish KM, Kishk SM, Tantawy MA, Nasr AM, Qushawy M, Swidan SA, Mostafa SM, Salama I. Design, Synthesis, Anticancer Activity, and Solid Lipid Nanoparticle Formulation of Indole- and Benzimidazole-Based Compounds as Pro-Apoptotic Agents Targeting Bcl-2 Protein. *Pharmaceuticals*. 2021; 14(2):113. <a href="https://doi.org/10.3390/ph14020113">https://doi.org/10.3390/ph14020113</a>
- Kishk SM, Kishk RM, Yassen ASA, Nafie MS, Nemr NA, ElMasry G, Al-Rejaie S, Simons C. Molecular Insights into Human Transmembrane Protease Serine-2 (TMPS2) Inhibitors against

- SARS-CoV2: Homology Modelling, Molecular Dynamics, and Docking Studies. *Molecules*. 2020; 25(21):5007. <a href="https://doi.org/10.3390/molecules25215007">https://doi.org/10.3390/molecules25215007</a>
- Wadie MA, Kishk SM, Darwish KM, Mostafa SM, Elgawish MS. Simultaneous Determination of Losartan and Rosuvastatin in Rat Plasma Using Liquid Chromatography—Tandem Mass Spectrometric Technique for Application into Pharmacokinetic and Drug—Drug Interaction Studies. Chromatographia. 2020. DOI: 10.1007/s10337-020-03967-z
- Kishk RM, Abdalla MO, Hashish AA, Nemr NA, El Nahhas N, Alkahtani S, Abdel-Daim MM,
   Kishk SM. Efflux *MexAB*-Mediated Resistance in *P. aeruginosa* Isolated from Patients with Healthcare Associated Infections. *Pathogens*. 2020; 9(6):471.
   <a href="https://doi.org/10.3390/pathogens9060471">https://doi.org/10.3390/pathogens9060471</a>
- Kishk SM, McLean KJ, Sood S, Smith, D, Evans J, Helal MA, Gomaa MS, Salama I, Mostafa SM, De Carvalho LP, Levy CW, Munro AW, Simons C. Design and Synthesis of Imidazole and Triazole Pyrazoles as Mycobacterium tuberculosis CYP121A1 Inhibitors. *ChemistryOpen*. 2019. https://doi.org/10.1002/open.201900227
- Kishk SM, McLean KJ, Sood S, Helal MA, Gomaa MS, Salama I, Mostafa SM, De Carvalho LP, Munro AW, Simons C. Synthesis and Biological Evaluation of Novel cYY Analogues Targeting CYP121A1. *Bioorg Med Chem.* 2019; 27(8):1546-1561. doi: 10.1016/j.bmc.2019.02.051
- **Kishk SM**, Helal MA, Gomaa MS, Salama I, Mostafa SM, Simons C. Insights into Novel Drug Targets in *Mycobacterium tuberculosis*: Where Do We Stand and Where Do We Go from Here?. *Records of Pharmaceutical and Biomedical Sciences*. 2018; 2(1):14-21
- **Kishk SM**, Salama I, Mostafa S, El-Sadek M. Stability indicating chromatographic method for the determination of benzonatate, diphenhydramine, guaifenesin and phenylephrine. *Journal of Liquid Chromatography & Related Technologies*.2014; 37(5):726-747.

# GRANTS/AWARDS RECEIVED

- RESEARCH EXCELLENCE AWARD presented by Suez Canal University for the year 2021.
- RESEARCH EXCELLENCE AWARD presented by Suez Canal University for the year 2020.
- Prize for THE BEST RESEARCH, Health Sector, Suez Canal University, Egypt (March 2019).
- Newton-Scholarship funded from both the British Council and the Egyptian Ministry of Higher Education to complete my PhD research in Cardiff University, for two years (Sept 2015: Sept 2017).

## CONFERENCES

## As a speaker:

 Covid-19 Pandemic "Pharmaceutical and Biomedical research and perspectives" virtual conference held on 10 – 11<sup>th</sup> March 2021 at Faculty of Pharmacy, Jadara University, Irbid, Jordan.

### **Poster session:**

- The 2<sup>nd</sup> International Conference of Faculty of Pharmacy, Suez Canal University "Pharmaceuticals Used in Internal Medicine", held on 8 9<sup>th</sup> December 2019 at Tolip El-Forsan Resort, Ismailia, Egypt, with a poster entitled "Small Molecule Inhibitors of CYP51: Synthesis and Biological Evaluation of Azoles Targeting *Candida albicans*"
- XXIV EFMC International Symposium on Medicinal Chemistry Manchester, UK, held on 28<sup>th</sup> August 1<sup>st</sup> September 2016, with a poster entitled "Design and Biochemical Studies of New Azole Derivatives Targeting *Mycobacterium Tuberculosis* Cytochrome P450 Cyp121".

#### As a reviewer:

- The 5<sup>th</sup> Undergraduate Conference of Faculty of Pharmacy, Suez Canal University "Towards New Students Cadres", held on 8<sup>th</sup> March 2022 at Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt.
- The 6<sup>th</sup> Undergraduate Conference "Pharmaceutical Industries in the Light of Sustainable Development and Egypt's Plan 2030", held on 20<sup>th</sup> March 2023 at Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt.

### As an organizer:

- The 2<sup>nd</sup> International Conference of Faculty of Pharmacy, Suez Canal University "Pharmaceuticals
  Used in Internal Medicine", held on 8 9<sup>th</sup> December 2019 at Tolip El-Forsan Resort, Ismailia,
  Egypt.
- The 7<sup>th</sup> Young Researchers Conference "Science and Technology Digitalization", held online on 17
   18<sup>th</sup> May 2020.
- The 8<sup>th</sup> Young Researchers Conference "Future Shaping .... What is after the pandemic?", held online on 3 4<sup>th</sup> April 2021.

- The 4<sup>th</sup> Annual Conference of Graduate Researchers in Pharmaceutical Sciences "New Frontiers in Pharmaceutical Research 2", held on 28<sup>th</sup> November 2022 at Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt.
- The 10<sup>th</sup> Young Researchers Conference "Horizons of the Scientific Research and the New Republic", held on 6 – 7<sup>th</sup> March 2023 at Suez Canal University, Ismailia, Egypt.

### As an attendee:

- NMSF 30<sup>th</sup> Anniversary Symposium, held in July 2017 at Swansea University Medical School, Swansea, UK.
- The 20<sup>th</sup> Annual Meeting of Preventive Cardiology & Rehabilitation W.G. "Cardio-Prevent 2018" held on 15 16<sup>th</sup> November 2018 at Tolip Golden Plaza Hotel, Cairo, Egypt.
- The 1<sup>st</sup> Bioinformatics Conference "Diversity of Bioinformatics Careers", held on 26<sup>th</sup> December 2019 at Institute of Biotechnology, Suez Canal University, Ismailia, Egypt.
- The 2<sup>nd</sup> Bioinformatics Conference "Biotechnology Innovations and COVID-19 Pandemic" held on 21<sup>st</sup> November 2020 at Institute of Biotechnology, Suez Canal University, Ismailia, Egypt.
- The virtual Scientific Update conference "Flow Chemistry and Continuous Processing" held online on 11 – 12<sup>th</sup> May 2020.
- The 22<sup>nd</sup> EMBL PhD Symposium "The Roaring 20s: A New Decade for Life Sciences" held online on 27 28<sup>th</sup> November 2020.

# As a supervisor:

- The 5<sup>th</sup> Undergraduate Conference "Towards New Students Cadres" with a poster entitled "Design, Synthesis and Molecular Modeling of Quinazoline Derivatives as Dual Kinase Inhibitors Targeting EGFR and VEGFR-2" held on 8<sup>th</sup> March 2022 at Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt, and won 1st place over undergraduate research over faculty of pharmacy.
- The 4<sup>th</sup> Undergraduate Conference "New Republic … New Egypt" with a poster entitled "Design, Synthesis and Molecular Modeling of Quinazoline Derivatives as Dual Kinase Inhibitors Targeting EGFR and VEGFR-2" held on 27<sup>th</sup> March 2022 at Suez Canal University, Ismailia, Egypt, and won 1<sup>st</sup> place over undergraduate research over Suez Canal University.
- The 4<sup>th</sup> Annual Conference of Graduate Researchers in Pharmaceutical Sciences "New Frontiers in Pharmaceutical Research 2" with a poster entitled "Synthesis, Molecular Modeling and Biological

Investigation of New Heterocycles as Anticancer Agents" held on 28<sup>th</sup> November 2022 at Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt.

- The 5<sup>th</sup> Youth research Forum "Higher Education Institutions and their Role in Achieving Sustainable Development Goals" with a research article entitled "Design, Synthesis and Molecular Modeling of Quinazoline Derivatives as Dual Kinase Inhibitors Targeting EGFR and VEGFR-2" held online on 8 9<sup>th</sup> March 2023 at Qatar University, Qatar, and won the 1<sup>st</sup> place over Arabic countries.
- The 6<sup>th</sup> Undergraduate Conference "Pharmaceutical Industries in the Light of Sustainable Development and Egypt's Plan 2030" with a poster entitled "Effect of Novel Pyrazole Derivative on Experimental Acute Inflammation in Mice" held on 20<sup>th</sup> March 2023 at Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt, and won 2nd place over undergraduate research over faculty of pharmacy.

# **\* COURSES/WORKSHOPS**

- **CCG workshop** at St John's Innovation Center, Cambridge, UK, on 1<sup>st</sup> December 2016.
  - 1. Structure-Based Drug Design and Ligand Modification

Molecular Surfaces and Maps / Ligand Interactions / Conformational Searching / Ligand Optimization / Ligand Selectivity / Protein Alignments and Superposition

2. Advanced Structure-Based Drug Design

Pharmacophore Modeling / Docking / Fragment-based Design / Scaffold Replacement / R-Group Screening / Project Search / Protein-Ligand Interaction Fingerprints

- **CCG workshop** at St John's Innovation Center, Cambridge, UK from 23<sup>rd</sup> February 2017 to 24<sup>th</sup> February 2017.
  - 1. Applications of Pharmacophores in Drug Design

Pharmacophore Modeling / Pharmacophore Elucidation and Consensus / Flexible Alignments / Pharmacophore Searching / Protein-Ligand Interaction Fingerprints (PLIF)

2. Protein Alignments, Superpositions, Homology Modeling and Loop Modeling

Homology Modeling / Loop Modeling / Loop Conformational Searching / Sequence Alignments / Structure Superposition / Multimer Alignments and Superpositions

3. Antibody Modeling and Protein Engineering in MOE

Protein Engineering / Protein Properties / Developability / Hot Spot Analysis / Antibody Modeling / Humanization / Molecular Surfaces

4. Biologics: Protein Alignments, Modeling and Docking

Protein Alignments and Superposition / Loop and Linker Modeling / Homology Modeling / Protein-Protein Docking / Protein Solubility Analysis / 2D Hot Spot Mapping / PLIFs / Biologics QSAR Modeling

- The workshop entitled "Writing for a Grant" in the premises of Center of Excellence in Molecular and Cellular Medicine, Faculty of Medicine, Suez Canal University, on 29<sup>th</sup> August 2018.
- The workshop entitled "The Academy on Clinical Research Methodology", certified from NatureResearch Academies, on 16<sup>th</sup> October 2019.
- FLDP course entitled "Credit Hours System" held at Center of Education Development, Suez Canal University, Egypt from 23<sup>th</sup> October 2019 to 24<sup>th</sup> October 2019.
- The International Summer School on Bioinformatics (EG-CompBio) sponsored by DAAD, Nile University, Al-Azhar University and Universitatsmedizin Rostock from 25<sup>th</sup> October 2019 to 27<sup>th</sup> October 2019.
- The workshop entitled "Basic Bioinformatics Data Analysis by Geneious Software" authorized by Community Service Unit, Faculty of Veterinary Medicine, Suez Canal University, on 26<sup>th</sup> November 2019.
- WHO training course entitled "Infection Prevention and Control (IPC) for Novel Coronavirus (COVID-19)", online on 4<sup>th</sup> April 2020.
- FLDP course entitled "Organising Scientific Conferences" held online from 10<sup>th</sup> May 2020 to 11<sup>th</sup> May 2020.
- FLDP course entitled "Statistical Analysis SPSS" held online from 17<sup>th</sup> May 2020 to 19<sup>th</sup> May 2020.
- The online training entitled "MedChem Train e-School 2020", on 2<sup>nd</sup> June 2020.
- Schrodinger Online Course entitled "Introduction to Molecular Modeling in Drug Discovery", 7 modules with 20 contact hours total and submission of at least 90% of practical assignments, from 15<sup>th</sup> June 2020 to 15<sup>th</sup> July 2020.

- Pan African Bioinformatics Network for H3Africa (H3ABioNet) online course entitled "Introduction to Bioinformatics (IBT)", 6 modules with 92 contact hours total and submission of at least 90% of practical assignments, from 21<sup>st</sup> July 2020 to 21<sup>st</sup> September 2020.
- The American Association of Continuing Medical Education Activity entitled "The Arab Diabetes
  Forum Virtual Event 2020" held online and accredited for 26.50 hours of the Category I Credit of
  the Association's Designation, from 8<sup>th</sup> October 2020 to 9<sup>th</sup> October 2020.
- Training course entitled "Measurement, Evaluation and Test Preparation Health Sector" The Center for Measurement and Evaluation in the Unit for the Management of Higher Education Development Projects in cooperation with the Supreme Council of Universities, within the framework of the plan to activate the hybrid education system in Egyptian universities, held online from 8<sup>th</sup> December 2020 to 9<sup>th</sup> December 2020.
- The course entitled "Intensive Cancer Research Course (Tissue Culture, Molecular and Bioinformatics Perspectives)" in the premises of Center of Excellence in Molecular and Cellular Medicine, Faculty of Medicine, Suez Canal University, from 25<sup>th</sup> July 2021 to 29<sup>th</sup> July 2021.
- FLDP course entitled "Strategic Planning at Higher Education Institutions" held at Center of Education Development, Suez Canal University, Egypt from 9<sup>th</sup> December 2021 to 11<sup>th</sup> December 2021.
- The workshop entitled "**Springer-Nature Open Access Agreement**" in the premises of Center of International Publication, Suez Canal University, on 24<sup>th</sup> May 2022.
- The workshop entitled "**Endnote**" held at Center of Education Development, Suez Canal University, Egypt from 21<sup>st</sup> December 2022 to 22<sup>nd</sup> December 2022.
- The workshop entitled "Flow Cytometry as a Research Tool" in the premises of Oncology Diagnostic Unit, Faculty of Medicine, Suez Canal University, from 12<sup>th</sup> March 2023 to 13<sup>th</sup> March 2023.

## PHD EXPERIENCE

I was accepted in Newton-Scholarship funded from both the British Council and the Egyptian Ministry of Higher Education to complete my PhD research in Cardiff University, for two years.

My PhD thesis titled "Pharmaceutical Bio-Technology, Drug Design, Synthesis and Biological Evaluation of Novel Ainti-Infective Drugs" consisted of four chapters:

Chapter 1: General introduction and subdivided into four parts: (A) Cytochrome P450, (B) *Mycobacterium tuberculosis*, (C) *Candida albicans*, and (D) Objectives.

Chapter 2: Design and Synthesis of Imidazole and Triazole Pyrazoles as *Mycobacterium tuberculosis* CYP121A1 Inhibitors.

Chapter 3: Design and Biochemical Studies of New Azole Derivatives Targeting *Mycobacterium Tuberculosis* Cytochrome P450 CYP121.

Chapter 4: Computational Drug Design and Synthesis of Novel *Candida albicans* CYP51 Inhibitors: Studies on Different Strains and Mutants.

### MSC EXPERIENCE

My MSc thesis under the title "Spectrophotometric and Chromatographic Methods for Analysis of Some Important Pharmaceutical Preparations" consisted of five chapters:

Chapter 1: General introduction and subdivided into five parts: (A) cold and cough remedies, (B) Alzheimer's disease, (C) Derivatization in HPLC, (D) Derivative and Derivative Ratio Spectrophotometry and (E) literature review.

Chapter 2: Stability-indicating Chromatographic Method for the Determination of Benzonatate, Diphenhydramine, Guaifenesin and Phenylephrine.

Chapter 3: A Pre-column Derivatization Method Using Phenyl Isothiocyanate for the Determination of Memantine Hydrochloride in Tablets and Biological Fluids.

Chapter 4: Development and Validation of Liquid Chromatographic Methods for the Simultaneous Determination of Two Multicomponent Mixtures Containing Paracetamol and Promethazine Hydrochloride.

Chapter 5: Derivative and Derivative Ratio Spectrophotometry for the Simultaneous Determination of Two Multicomponent Pharmaceutical Preparations.

## BIOINFORMATICS DIPLOMA EXPERIENCE

Ten subjects were studied including: Molecular Biology and Genetic Engineering, Biotechnology, Bioinformatics, Handling and Analysis of Scientific Data, Scientific Research, Bioinformatics and Sequence Analysis, Proteomics and Functional Genomics, Genomics and Structural Bioinformatics, Molecular Systems Biology and Genes, Cells and Evolutions, with an Excellent Degree in all subjects.

# **SUPERVISION OF STUDENTS**

- Supervisor of 5 PhD students and 5 Master students, Faculty of Pharmacy, Suez Canal University,
   Egypt.
- Supervisor of 15 research projects, Professional Master's Program Pharm D, Faculty of Pharmacy,
   Suez Canal University, Egypt
- Supervisor of 14 research projects, Professional Master's Program in Clinical Nutrition, Faculty of Pharmacy, Suez Canal University, Egypt
- Supervisor of 5 research projects, Professional Master's Program in Pharmaceutical Business Administration, Faculty of Pharmacy, Suez Canal University, Egypt

# REFEREES

- **Prof Dr. Dina Mohamed Ali:** Dean of Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt. Tel: +2(0)1223983096
- **Prof Dr. Ismail Salama:** Vice Dean of Community Service and Environmental Development Affairs, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt. Tel: +2(0)1022257643
- <u>Prof. Dr. Ghada M. Hadad:</u> Vice Dean of Undergraduate Affairs, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt. Tel: +2(0)1024461600
- <u>Prof. Dr. Nader Nemr:</u> Vice Dean of Postgraduate Affairs, Faculty of Medicine, Suez Canal University, Ismailia, Egypt.

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• <u>Dr. Claire Simons</u>: Reader in Medicinal Chemistry, School of Pharmacy and Pharmaceutical Sciences, College of Biomedical and Life Sciences, Cardiff University, Redwood Building (Room 2.01), King Edward VII Avenue. Cardiff CF10 3NB, UK. Tel: +44(0)29 2087 6307

رئيس قسم الكيمياء الطبية عميد الكلية الدريس قسم الكيمياء الطبية أدرا محمد على الله سلامه أدرا محمد على