

Dina Louis Nassif Boctor



Personal Information

- Place of Birth: Cairo, Egypt
- Social Status: Married.

Education:

PhD, Pharmaceutical Sciences (Pharmaceutics), 2008
MSc, Pharmaceutical Sciences (Pharmaceutics). 2002
BSc, Pharmaceutical Sciences, 1998 (Grade: Excellent, Honors).

A private Diploma in Family counseling from Christian Counseling Institute in Ard Elgolf, Heliopolis.

Professional experience

- **From 1st September 2024:**
Acting as Head of Department of Pharmaceutics in Faculty of Pharmacy, Egyptian Chinese University
- From December 2015 till now:
Head of the Quality Assurance unit in Faculty of Pharmacy, Heliopolis University, which got the accreditation certificate from NAQAAE on December 2021.
- From July 2018 till now:
Associate Prof. Pharmaceutics and Industrial Pharmacy
- From September 2015 up till 2018:
Lecturer and Acting as Head on the Department of

Pharmaceutics and Pharmaceutical Technology,
Faculty of Pharmacy and Drug Technology,
Heliopolis University.

- From January 2009 to September 2015:
Lecturer,

Dept. of Pharmaceutics, Faculty of Pharmacy, Cairo
Univ.

Part time lecturer in:

- Faculty of Pharmacy, Misr International
University
- Faculty of Pharmacy, Future University
- Faculty of Pharmacy Heliopolis University

- From November 1998 to January 2009:

Teaching Assistant, Dept. of Pharmaceutics, Faculty
of Pharmacy, Cairo Univ.

Publications

- Paper published in Heliyon 10 (2024) e23637. One Factor at a Time and factorial experimental design for formulation of L-carnitine microcapsules to improve its manufacturability. Mahmoud M Hegazy, Alia A Badawi, Mohamed A. El-Nabarawi, Mohammed A. Eldegwy and Dina Louis.
- Paper published in Biomedicines 11, 2440, 2023. A Comparative Study on Cyclodextrin Derivatives in Improving oral Bioavailability of Etoricoxib as a Model Drug: Formulation and Evaluation of Solid Dispersion-Based Fast-Dissolving Tablets. Doaa Elsegaie, Mohamed A. El-Nabarawi, Hanaa Abdelmonem Mahmoud, Mahmoud Teaima and Dina Louis.
- Paper published in Research J. Pharm. and Tech., 16(4), April, 2023. Formulation of Nano-sized dispersion from Calendula Officinalis: A Natural

gateway to preparation of a Hair Dye. Dina Louis and Amira Rashad.

- Review published in Therapeutic Delivery, DOI: 10.4155/tde-2022-0057. An overview on liquisolid technique: its development and applications. Amira Rashad and Dina Louis
- Paper published in International Journal of Nanomedicine, 2019:14 5073–5085, Curcumin-loaded nanostructured lipid carriers prepared using Peceol™ and olive oil in photodynamic therapy: development and application in breast cancer cell line. Amr Ehab Kamel, Maha Fadel and *Dina Louis*.
- Paper published in Research J. Pharm. and Tech. 12(6): June 2019: Formulation and In-vitro Characterization of Self Nano-emulsifying Drug Delivery System (SNEDDS) for enhanced Solubility of Candesartan Cilexetil. Doaa Elsegaie, Mahmoud Teaima, Mina I. Tadrous, *Dina Louis*, Mohamed A. El-Nabarawi.
- Review Article published in Mod Appro Drug Des. 2(3), MADD.000537.2018: An Overview of Microsponge as a Novel Tool in Drug Delivery. Abdulla Ahmed, Mina Makram, Mostafa Sayed and *Dina Louis*.
- Review Article published in: Drug Des Int Prop Int J 1(5)- 2018: An Overview on Niosomes: A Drug Nanocarrier. Mahmoud Kamal, Mohamed Maher, Amr Ibrahim and *Dina Louis*.
- Paper published in Inventi Rapid: NDDS Vol. 2018, Issue 2, Bisoprolol Hemifumarate Matrix Tablets for Sustained Release: Preparation and Evaluation.

Saadia A Tayel, Nagwa Foda, *Dina Louis*

- Paper published in Acta Pharmaceutica 67 (2017), 511–525, Solving manufacturing problems for L-carnitine-Ltartrate to improve the likelihood of successful product scale-up. Aliaa A. Badawi, Mahmoud M. Hegazy, *Dina Louis*, Mohammed A. Eldegwy

- Paper published in Tropical Journal of Pharmaceutical Research 2016, 15(11): 2329-2335

Studies on Cleaning Validation for a Cream and Ointment Manufacturing Line

Aliaa A Badawi, Khaled Hegazy, *Dina Louis*

- Paper published in Iranian Journal of Pharmaceutical Sciences 2016, 15 (1): 71-82
Formulation and Evaluation of Nanocrystals of a Lipid Lowering Agent

Dina Louis

- Paper published in International Journal of Pharmaceutics 2015, 495: 664–670, Leflunomide biodegradable microspheres intended for intra-articular administration: Development, anti-inflammatory activity and histopathological studies

Doaa Ahmed El-Setouhy, Nevine Shawky Abdelmalak, Shady E. Anis, *Dina Louis*

- Inventi Rapid: Pharmaceutical Process Development Vol. 2015, Issue 1,

Validating the Cleaning Process of a Vial Filling Machine

Aleya A Badawi, Khaled Hegazy, *Dina Louis*.

- Paper published in Journal of Drug Delivery Science and Technology: 2014, 24(6): 665- 672

Olmesartan medoxomil surface solid dispersion-based orodispersible tablets: Formulation and in-vitro Characterization.

A. Abd-El Bary, *D. Louis*, S. Sayed

- Paper published in *Inventi Rapid: NDDS* Vol. 2014, Issue 3, www.inventi.in.

Liquisolid Tablet Formulation as a Tool to Improve the Dissolution of Olmesartan Medoxomil

Ahmed Abd-El Bary, *Dina Louis* and Sinar Sayed

- Paper published in *AAPS PharmSciTech.*, 2010, 11 (2): 679-685.

Formulation of Ketotifen fumarate fast melt granulation sublingual tablet

Saadia A Tayel, Iman I Soliman, *Dina Louis*

- Paper published in "European Journal of Pharmaceutics and Biopharmaceutics" , 2008, 69: 342-347. Improvement of dissolution properties of Carbamazepine through application of the liquisolid tablet technique.

Saadia A Tayel, Iman I Soliman, *Dina Louis*

- Participant as poster presenter for the research entitled "Formulation of Calendula Officinalis nano-dispersion: A green approach to hair dyeing" in the ACS-HU Conference on 16 April 2024.

Conferences

- Participant as poster presenter for the research entitled “Formulation of Calendula Officinalis Nano-Dispersion: A Green Approach to Hair Dyeing”, in the 6th International conference of Pharmaceutical Sciences of FUE held on 14 and 15 February 2024.
- Participant as poster presenter for the research entitled “Breast Cancer management by repurposing cubosomal Nitrofurantoin: formulation, evaluation and cell line-based assessment”, in Dubai International Pharmaceutical and Technology Conference and Exhibition DUPHAT 2024 on 9-11 January. The poster won the 6th best research poster prize.
- Attending the 11th International Scientific Conference of Faculty of Pharmacy, Cairo University, “Authenticity for Excellence in Pharmacy” on 14 and 15 May 2023
- Attending the 10th International Scientific Conference of Faculty of Pharmacy, “Reshaping Pharma Sustainability and Innovation for Better Pandemic Response” on 6 and 7 May 2021.
- Attending the 18th Symposium of Natural Products Research Network for Eastern and Central Africa (NAPRECA), 2019
- Attending the Global Health Emerging Leaders Program, Faculty of Pharmacy, HU University.
- Attending the First Scientific Conference of Faculty of Pharmacy and Pharmaceutical Technology- HU University, 2018
- Attending the 7th International Scientific Conference for Faculty of Pharmacy, Cairo University, 2016
- Participating in the 6th International Scientific Conference for Faculty of Pharmacy, Cairo

University, 2015 with a poster presentation entitled:
"Bisoprolol Hemifumarate Matrix Tablets:
Preparation and Evaluation"

- Attending the 5th International Scientific Conference for Faculty of Pharmacy, Cairo University, 2014
- Participating in the 4th International Scientific Conference for Faculty of Pharmacy, Cairo University, 2014 with a poster presentation entitled:
" Formulation and Evaluation of Nanocrystals of a Lipid Lowering Agent"
- Participating in the 31st Pharmaceutical Science Conference (23-25 December 2008) which was held in Dar Eldefaa Elgawee, with two poster presentations, entitled:
"Buccal spray as a novel dosage form of ketotifen fumarate."
"Formulation of ketotifen fumarate as fast melt granulation sublingual tablet."

Additional professional activities

Teaching interests: I am interested and experienced in teaching Pharmaceutics, both theoretical and practical issues. My teaching methods include traditional lecturing methods as well as the modern techniques of teaching including data shows and demonstrations. I have also practiced remote teaching/ online learning, in addition to using community based learning as a teaching method. I believe also that the best method to deliver information to the student is through encouraging student research and discussion with the teacher.

Courses I have taught included :

- a. Physical pharmacy.
- b. Dosage forms (liquid, semisolid and solid dosage forms)
- c. Industrial pharmacy and quality control.
- d. Cosmetics
- e. Advanced Drug Delivery systems
- f. Drug information.
- g. Community Pharmacy.
- h. Hospital Pharmacy.
- i. Pharmacy orientation.
- j. Parenteral and sterile dosage forms.

Computer skills: I have a good experience in using computer programs as word, excel, power point, publisher, some statistics programs as Design Expert® as well as Photoshop®.

I am also well experienced in carrying out Online teaching and also preparing online exams, in addition to utilizing LMS.

In the Quality Assurance Field: I have attended a number of workshops and training programs about QA in the field of High Education as preparation of program and course specification, Teaching and evaluation of students according to QA standards, The National Academic Reference Standards (Pharmacy Sector, both 2009 and 2017 fields), Strategic Planning and External Evaluation Faculties and High Education Institutes.

I have also participated in preparing the Program Specifications of Faculty of Pharmacy- HU University based on both NARS 2009 and 2017.

I also participated in preparing the Course specifications of Pharmaceutics and Pharmaceutical Technology Dept, Faculty of Pharmacy, HU University according to both NARS 2009 and NARS 2017.

I have also been responsible for the Quality Management Standard, participated in setting the Strategic plan for Faculty of Pharmacy, HU Univ., as well as participated in preparing the Faculty Self-study, Self-evaluation and internal audit activities.

I have experience in report writing, analysis of questionnaires, appropriate communication with students and staff as well as good managerial practice.

Other Skills: I have worked long in Faculty of Pharmacy, Heliopolis Univ. on the administrative student affairs as preparation of student semester and exam schedule (2015-2019).

Experience in the field of managing student advising and mentoring for both regular and probation student (2015-2020)

Experience in field on Exam control work (2000- 2015, control assistant and member in Faculty of Pharmacy, Cairo Univ.), (2015- 2019: member and head of control in Faculty of Pharmacy, Heliopolis university)

Languages

An excellent command of Arabic and English languages both written and spoken. (I am an English school graduate)

Fair spoken and written French language.