

CURRICULUM VITÆ.

Personal information:

Name: Hoda Mohamed Fathy Mohamed Aly Sherif

Date of birth: 8/5/1972

Gender: Female.

Religion: Muslim.

Nationality: Egyptian.

Marital status: married.

Number of children: two

Spoken languages: English: very good

French: very good

Arabic: mother language

German: level G2 from Goethe institute.

E-mail: Hodasherif@hotmail.com.

Educational background:

School: Soeur Franciscaines du coeur immacule de Marie, Alexandria

B. Pharm Sci , faculty of pharmacy, Alexandria University, Alexandria.

Academic and professional qualifications:

- Master degree in Pharmaceutical sciences, Alexandria University.
The title of the thesis was “Phytochemical investigation of Cleome droserifolia, family cleomaceae”. The Swiss government kindly provided a

grant for me to pursue the practical part of the thesis in Switzerland (1998-1999).

- PHD degree in pharmaceutical sciences.
The title of the thesis was ‘evaluation of some Egyptian plants as raw materials for pharmaceutical industry’

Details of working experience:

- Under- graduate training at Pharco Pharmaceutical company during faculty studies (summer 1993).
- Pharmacist in governmental vaccination stores (1994-1995).
- Part-time pharmacist in local pharmacies for four years (1994-1998).
- Demonstrator, Pharmacognosy department, faculty of pharmacy, Alexandria University (1996-2000).
- Assistant lecturer, in the same department (2001-2008).
- Lecturer, in the same department (2008-2020).
- Associate professor in the same department (2020-date)

Teaching experience

- Participated in Theory and practical courses in Pharmacognosy given to second year Pharmacy students, Faculty of Pharmacy, Alexandria University, Egypt (2008-date).
- Participated in Theory and practical courses in Pharmacognosy II given to clinical Pharmacy students, Faculty of Pharmacy, Alexandria University, Egypt (2009/2010).
- Participated in Theory and practical courses in Pharmacognosy given to first year Pharmacy students, Faculty of Pharmacy, Damanhour branch, Alexandria University, Egypt (2010/2011).

- Participated in Theory and practical courses in Phytochemistry II given to clinical Pharmacy students, Faculty of Pharmacy, Alexandria University, Egypt (2013/2014).
- Participated in Theory and practical courses in chromatography and separation technique course given to clinical Pharmacy students, Faculty of Pharmacy, Alexandria University, Egypt (2014/2015, 2016-date)
- Participated in Theory and practical courses in “Identification and analysis of toxic plants and natural toxins”. For postgraduate students, faculty of medicine, Alexandria university (2015-date).
- Participated in Theory and practical courses in advanced chromatography course given to PhD students, Faculty of Pharmacy, Alexandria University, Egypt (2015-date).

Thesis I have participated in supervising:

- MSC thesis of pharmacist Rahma sayed Rashad, faculty of pharmacy, alexandria university entitled “Investigative study of *Withania somnifera* Family Solanaceae Cultivated in Egypt to be Used for Pharmaceutical Industry” finished at 2017
- PhD thesis of assistant lecturer Rasha Mohamed Mahmoud Abohadida, faculty of nursing, Alexandria university, “**Effect of Acupressure versus Ginger on Gastrointestinal Side-Effects of Chemotherapy for Children with leukemia**” finished 2019.
- MSC thesis of pharmacist Randa mostafa, institute of medical research, Alexandria university “**The therapeutic potential of Rosemary leaf extract for non-alcoholic fatty liver disease in rats**” finished 2019
- PhD thesis of assistant lecturer Rahma Sayed Rashad faculty of pharmacy, alexandria university entitled “**High-Throughput *In-silico* and *In-vitro* screening for Discovery of anticoagulants from Selected Egyptian plants**”

- MSC thesis of pharmacist Aya Magdy , faculty of pharmacy, arab academy of science and maritime transportation, entitled “**Phytochemical and biological investigation of Mastic oleoresin**”
- MSC thesis of pharmacist Yomna abdelrahman, faculty of pharmacy, alexandria university entitled “**Chemical composition and biological properties of some oleo-gum resins belonging to family Burseraceae**”
- MSC thesis of pharmacist Mahmoud abdelkader, faculty of pharmacy, alexandria university entitled “**Tracking both the source and quality of regionally produced Olive oil using chemical and compositional analysis of the oil**”

Other skills:

- Former Girl scout leader (1989-1995).
- Former fencing player for fencing club, Alexandria (1987-1989).

Conferences, lectures, and seminars attended:

- Seminar on the mass spectrometry MALDI/TOF, TOF-TOF, ESI and proteomics by Owe Rapp from Bruker Daltonik held at Sheraton Montazah Alexandria, 29/11/2005.
- Practice of HPLC by Dr. Adel elmihiy, 4/ 2007.
- Biovision conference, Bibliotheca Alexandrina, 2010.
- Counterfeit herbal medicines, the problems and strategies for solution, by Prof. Dr. Sawsan Elmasry. 4/4/2010.
- Attendance of Faculty and Leadership Development project (17 courses).
- Attendance of lecture about Academic Standards and NARS. Faculty of Pharmacy, Alexandria University, Alexandria, 23 March, 2009.
- Attendance of work shop about Student Assessment. Faculty of Pharmacy, Alexandria University, Alexandria, 13 May, 2009.
- Attend the mobility day held by Research, Development & Innovation Programme in the Conference hall, Faculty of Medicine, Alexandria University on 21th October 2008.
- Attend the scientific research day held in the Conference hall, Faculty of pharmacy, Alexandria University on 22th February 2014

- حضور ورشة عمل بعنوان
- flipping class 2018- 11
- الدورة التدريبية الأساسية فى مجال خدمات تنظيم الأسرة (مبادرة القطاع الخاص- اسال-استشير-هنا خبير) 1997.
- المؤتمر العلمي لكلية الصيدلة – جامعة الاسكندرية تحت عنوان "تطوير العملية التعليمية" (2010 \ 9\ 16 -15)

Social and other activities:

A. Students-related activities

An external examiner in Pharmacognosy to Egyptian Universities.

(June 2009 to date)

B. Other activities:

- عضو لجنة خدمة المجتمع و شئون البيئة (2009- للآن)
- عضو لجنة الأزمات و الكوارث (2009- 2010)
- عضو لجنة الامتتاع عن التدخين "جامعة بلا تدخين" (2009)
- رئيس صندوق التكافل لصالح العاملين بكلية الصيدلة (2010-اليوم)
- المساهمة فى اقامة السوق الخيرى لصالح صندوق التكافل لصالح العاملين بكلية الصيدلة (1992- للآن).
- المساهمة فى كتابة الميثاق الأخلاقى لكلية الصيدلة (2009).
- عضو مجلس ادارة جمعية خريجي كلية الصيدلة (2009) .
- ورشة عمل من ادارة مشروعات التطوير (مركز التعليم الالكتروني) عن المقررات الالكترونية الموجودة بكليات الصيدلة المختلفة الخميس 26 /11 /2010 بالمكتبة الرقمية بكلية الصيدلة.
- عضو فريق معيار المشاركة المجتمعية وتنمية البيئة فى وحدة ضمان بكلية الصيدلة - جامعة الإسكندرية فى العام الجامعي ٢٠١٣-٢٠١٦ ..

List of publications of Dr. Hoda Fathy

1. Dolabellane diterpenes from *Cleome droserifolia*. **Hoda M. Fathy**, Mohamed I. Aboushoer, Fathallah M. Harraz, Abdallah A. Omar, Gilles Goetz and Rafael Tabacchi. *Natural product communications* 3,(2008).
2. A New naphthoquinone with anti-inflammatory activity from an Egyptian collection of *Echiochilon fruticosum*. **Hoda M. Fathy**, Mohamed I. Aboushoer, Azza Baraka , Maged S. Abdel-Kader, and Abdallah A. Omar. *Natural Product Sciences*.15(1) : 22-26 (2009).
3. Terpenes and Flavonoids from *Cleome droserifolia*. **Hoda M. Fathy**, Mohamed I. Aboushoer, Maged S. Abdelkader, Gilles Goetz and Abdallah, A. Omar. *Natural product research* 2010;24(7):687-96.
4. Extract-Template Modeling and Pattern Recognition in the Assessment of (*Cymbopogon proximus*) Mohamed I. Abou-Shoer, **Hoda M. Fathy**, Abdallah A. Omar. *American Journal of Analytical Chemistry*, 2011, 2, 500-510.
5. A New Indenone from *Echiochilon fruticosum*, a Potential Beta-secretase 1 (BACE1) and Acetylcholinesterase (AChE) Inhibitor , **Hoda M Fathy**, Mohamed I Aboushoer, *Der Pharma Chemica*, 2017, 9(14):100-103
6. Validated thin-layer chromatographic method for the identification and monitoring of the effect of the extraction method on the yield and phytochemical constituents of Egyptian *Withania somnifera* leaves, Rahma S. R. Mahrous, **Hoda M. Fathy**, Rasha M. Abu EL-Khair Abdallah A. Omar, *journal of separation sciences*.41, 2017.
7. Egyptian *Withania somnifera* L., Chemotype and Comparative *in vitro* Cytotoxic Activity of Extracts and Isolated Withanolides. Rasha A. Nassra, Rahma Sr. Mahrous, **Hoda M. Fathy**, Rasha M. Abu El-Khair and Abdallah A. Omar, *European Journal of Medicinal Plants*. 21(3): 1-12, 2017.

8. The Protective Effect of Egyptian *Withania somnifera* Against Alzheimer's, Rahma SR Mahrous, Doaa A Ghareeb, **Hoda M Fathy**, Rasha M Abu EL-Khair and Abdallah A Omar, *Med Aromat Plants* (Los Angels), 2017, 6:2
9. Targeted and Untargeted-Metabolite profiling to Track the Compositional Integrity of Ginger during Processing Using Digitally-Enhanced HPTLC Pattern Recognition Analysis.,Rehaim, S. Ibrahim, **Hoda M. Fathy**, February 2018, *Journal of Chromatography B* 1080
10. Inhibition of tumour necrosis factor (TNF) activity by a new ergostane steroid from *Cleome droserifolia*, **HODA M FATHY** , *International Journal of Pharmacy and Pharmaceutical Sciences*, 10 (5), 2018.
11. Polyphenolics From *Gymnocarpus decandrus* Forssk roots and their biological activities, **Hoda M. Fathy**, *Natural Products Research*, 2019
12. Evaluation of citric acid and clove oil as edible anti-virulence and resistance-modifying agents against problematic klebsiella clinical isolates in EGYPT. Hoda M. G. Omar, Eva A. Edward, and **Hoda M. Fathy**. Poster presented in PHS, international conference on pharmaceutical and health care sciences towards a new pharmacy era, 6-7 november 2019, organized by the faculty of pharmacy Alexandria university and currently under review in "international microbiology" journal.
13. Chemical constituents of Egyptian *Withania somnifera* leaves and fruits and their anticholinesterase activity. Rahma S. Mahrous, **Hoda M. Fathy**, Rasha M. Abu el-khair and Abdallah A. Omar. *Journal of Mexican Chemical Society*, accepted , 2019, 63(4).
14. Attitudes, knowledge and practice of herbal remedy use among the population visiting pharmacies and health care providers in Alexandria, Egypt: a cross-sectional study. **Hoda Fathy**, Raghda El-Hawy and Raghda Hassan, *European Journal of Medicinal Plants*, 30 (2), 2019.

15. Anticoagulant activity screening of an in-house database of natural compounds for discovering novel selective factor Xa inhibitors; a combined in silico and in vitro approach. Ibrahim, R.S., Mahrous, R.S., **Fathy, H.M.** et al. *Med Chem Res* 29, 707–726 (2020). <https://doi.org/10.1007/s00044-020-02516-5>
16. Evaluation of citric acid and clove oil as safe anti-virulence and resistance-modifying agents against problematic klebsiella clinical isolates in Egypt. Eva A. Edward , Hoda M. G. Omar, and **Hoda M. Fathy**. *J Microbiol biotech Food Sci*: 9(6): 1060-1067.
17. *In-silico* recognition of liquorice phytoconstituents specially glabranin b as a potential cathepsin l inhibitor to hinder 2019-ncov host cell entry. **Hoda Fathy**, Walid abdelhady, Reham s. Ibrahim. *International journal of pharmaceutical sciences review and research* 64(1), 197-200