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I- Personal information :

i-Name: Safa Mohammed Shams Eldin.

ii-Present appointment: Lecturer at Pharmacognosy department , Faculty of Pharmacy , University of Alexandria, Alexandria, Egypt.

iii-Date of birth: April, 14, 1983 .

iv-Nationality: Egyptian.

v-Marital status: Married.

vi-Number of children: Two.

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II- Academic qualification:

1- Bachelor of Pharmaceutical sciences, Excellent, Honor degree, University of Alexandria (2005).

2- Master degree in Pharmaceutical sciences, Department of Pharmacognosy, School of Pharmacy, Alexandria University (2/2010). The title of the thesis is:
"Phytochemical investigation of *Inula crithmoides*, family Asteraceae"

3- PhD in pharmaceutical sciences, Department of Pharmacognosy, School of Pharmacy, Alexandria University (8/2016). The title of the thesis is:
"Phytochemical investigation of some plants belonging to family fabaceae"

III-Employment:

1- Demonstrator at the Department of Pharmacognosy (9/2006):

2006- 2007: Phytochemistry for the third year (alkaloids identification tests, alkaloidal assay, carbohydrates identification tests, volatile oils, chromatography....) and pharmacognosy for the first year students (flowers, leaves, seeds, bark and wood)

2007- 2010: Applied pharmacognosy for the fourth year (microcrystal tests, spectroscopy, powder mixture, herbal remedies, HPLC, GC,).

2- Assistant lecturer at the Department of Pharmacognosy (2/2010) :

2011- 2012: Pharmacognosy for the first year and pharmacognosy for the second year (fruits, herbs, subterranean organs,...)

2013-2014: Applied pharmacognosy and quality control of herbal drugs for the final year undergraduate students.

2015-2016: Visiting Scholar, National Center for Natural Product Research, University of Mississippi, USA.

3- Lecturer at the Department of Pharmacognosy (8/2016):

2016-2017: lecturing of some courses of phytochemistry for the third year students (glycosides, chromatography and plant tissue culture).

Major research interest:

Isolation, analysis, biological screening and structure elucidation of biologically active plant secondary metabolites from medicinal plants using chemical methods as well as different spectroscopic techniques particularly NMR techniques.

List of publication of Safa Shams Eldin

1. "Phytochemical and antimicrobial investigation of *Inula crithmoides* L." M.A. Aboul Ela, A.M. El-Lakany, **Safa M. Shams-El-Din** and Hala M. Hammada. Alex. J. Pharm. Sci., 25, 26 (2011).
2. "New Quinic Acid Derivatives from Hepatoprotective *Inula crithmoides* Root Extract" Maha M. Aboul Elaa, Abdalla M. El-Lakanya, Maged S. Abdel-Kaderb, Saleh. I. Alqasoumib, **Safa M. Shams-El-Din**, and Hala M. Hammada, Helvetica Acta Chemica, 95, 61 (2012).
3. "A New Validated HPTLC Method for Quantitative Determination Of 1, 5-Dicaffeoylquinic Acid In *Inula Crithmoides* Roots." Maha A. Aboul-Ela, Abdalla M. El-Lakany, Hala M. Hammada and **Safa M. Shams-El-Din**, Pak. J. Pharm. Sci., 25, 4, Oct. (2012).
4. "Phenolics and Isoflavans from *Trigonella Stellata* and their NF- κ B and iNOS Inhibitory Activity", Shams Eldin SM, Radwan MM, Wanas AS, Khan S, Habib AM, Kassem FF, Hammada HM, Elsohly MA, *Planta medica*, 82, April (2016). <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0036-1578765>
5. "Bioactivity-Guided Isolation of Potential Antidiabetic and Antihyperlipidemic Compounds from *Trigonella stellata*", Safa ShamsEldin, Mohamed Radwan, Amira Wanas, Abdel-Azim Habib, Fahima Kassem, Hala Hammada, Shabana Khan, Michael Klein, Khaled Elokely, and Mahmoud ElSohly. *J. Nat. Prod.* 81, 1154–1161 (2018). <https://pubs.acs.org/doi/10.1021/acs.inatprod.7b00707>

B- Conferences:

- Poster presentation Hepatoprotective activity screening of *Inula crithmoides* L. extracts at the **Biovision 2012** conference held at the Bibliotheca Alexandrina, Alexandria Egypt in April – 2012.
- **ICSB-15th** Annual Oxford International Conference on the Science and Regulation of Botanicals. It was held at the NCNPR, University of Mississippi, Oxford, Mississippi on April 13th-16th, 2015.
- Poster presentation entitled "Anticancer activity-guided fractionation of *Trigonella stellata* extract", presented in **AAPS** (American Association of Pharmaceutical Scientists), which was held at the orange county convention center, Orlando, Florida, USA on October 25-29, 2015, and in the annual NCNPR annual poster conference.
- Poster presentation entitled "Phenolics and isoflavans from *Trigonella stellata* and their NF- κ B and iNOS inhibitory activity" in **ICSB-16th** Annual Oxford International Conference on the Science of Botanicals and 5th Interim American Society of Pharmacognosy Meeting - ASP on April 11th - 14th, 2016, NCNPR, university of Mississippi, Oxford, Mississippi, USA.
- A talk entitled "New antidiabetic and anti-inflammatory isoflavans from *Trigonella stellata*, Fabaceae at the faculty of pharmacy Alexandria University, annual conference held at 6-7 November, 2016 at the conference hall, Faculty of pharmacy, Alexandria University.
- Sixth scientific Annual conference of Faculty of Pharmacy, Alexandria University- held on November 29th, 2018.

C- Training courses and workshops:

- Effective teaching (2010).
- Thinking skills (2010).
- Scientific research methodology (2010).
- Effective communication skills (2010).
- Decision making and problem solving (2010).
- Effective meeting management (2010).
- Sharing in the summer training course of students of the third year (2011).
- Ethical conduct and code of ethics (2013).

- Quality standards in education (2014).
- Competitive research projects (2014).
- References management system (2015).
- E-learning (2015)
- Attended a Training session "Hands on NMR, principles and applications" by BRUKER (2015).
- Attended a lecture entitled "VCD for the determination of the absolute configuration of natural products" (2016).
- Digital learning (2018).
- Author workshop by ELSEVIER (2018).
- Flipping classroom and Web-2 tools (2018).
- International publishing of research (2019).

D- Lectures:

- تطوير الوضع الراهن لمنظومة البحث العلمي . ألقياها الدكتور عصام خليل ابراهيم- (8-2019)
- Terpenoid cell factory, given by Dr. Ingy Ibrahim (10-2019)