



# Faculty of Pharmacy



**Prof. Dr. Salwa Farouk Farag Sayed**

**Professor of Pharmacognosy,  
Faculty of Pharmacy,  
Assiut University, Assiut, EGYPT**

## CURRICULUM VITAE

### PERSONAL INFORMATIONS:

Name: Salwa Farouk Farag Sayed  
Nationality: Egyptian  
Date and place of Birth: 4 / 11 / 1963, El-Menia, Egypt  
Marital Status: Married and have three children.  
Occupation: Professor in Department of Pharmacognosy, Faculty of Pharmacy, Assiut Univ., Assiut, Egypt.  
Present address: Dept. of Pharmacognosy, Faculty of pharmacy,  
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### SCIENTIFIC QUALIFICATIONS:

- May 1985: B. Sc. in Pharmaceutical Sciences from Assiut University (very good with degree of Honour).

- March 1990: M. Sc. in Pharmaceutical Sciences (Pharmacognosy) from Assiut University.
- October 1996: Ph. D. in Pharmaceutical Sciences (Pharmacognosy) from Assiut University.

### ACADEMIC APPOINTMENTS:

• December 1985-April 1990:	Teaching assistant and demonstrator, Pharmacognosy Department, Faculty of Pharmacy, Assiut University, Assiut, Egypt.
• April 1990-November 1996:	Associate Lecturer, Pharmacognosy Department, Faculty of Pharmacy, Assiut University, Assiut, Egypt.
• November 1996-May 2002:	Lecturer, Pharmacognosy Department, Faculty of Pharmacy, Assiut University, Assiut, Egypt.
• May 2002-October 2009:	Associate Professor, Pharmacognosy Department, Faculty of Pharmacy, Assiut University, Assiut, Egypt.
• October 2009-up to September 2017:	Professor, Pharmacognosy Department, Faculty of Pharmacy, Assiut University, Assiut, Egypt.
• August 2014-up to 31 July 2017	Head of Pharmacognosy Department, Faculty of Pharmacy, Assiut University.
• September 2017 up to 13 May 2018	Professor, Pharmacognosy Department, Faculty of Pharmacy, Deraya University, New Minia City-El-Minia, Egypt.
• 15 May 2018 up to now	Professor, Pharmacognosy Department, Faculty of Pharmacy, Taif University, Kingdom of Saudi Arabia.

### TEACHING EXPERIENCE:

- 1- Participating in teaching the practical courses of Pharmacognosy to the students of Pharmacy, Assiut University from 1985-1994.
- 2- Participating in teaching the theoretical and supervising the practical courses of phytochemistry for the third year pharmacy students, Faculty of Pharmacy, Assiut University from 1996-2008.
- 3- Participating in teaching the theoretical and supervising the practical courses of Chemistry of Natural Products-1 and Chemistry of Natural Products-2 for the third year pharmacy students, Faculty of Pharmacy, Assiut University from from 2009 till now
- 4- Participating in teaching the theoretical and supervising the practical courses of Complementary & Alternative Medicine for the fourth year pharmacy students, Faculty of Pharmacy, Assiut University.
- 5- Participating in teaching the theoretical course of Alternative Medicinal Therapies for the Clinical pharmacy students, Faculty of Pharmacy, Assiut University.
- 6- Participating in teaching the theoretical and supervising the practical courses of Phytochemistry-1 for the Clinical pharmacy students, Faculty of Pharmacy, Assiut University.
- 7- Participating in teaching the theoretical and supervising the practical courses of Phytochemistry-2 for the Clinical pharmacy students, Faculty of Pharmacy, Assiut University.
- 8- Participating in teaching special advanced courses for post graduate students, Faculty of Pharmacy, Assiut University.
- 9- Participating in teaching special advanced courses for PH. D. students, Faculty of pharmacy, Assiut University.
- 10- External examiner for Pharmacy Students at different Universities in Egypt.

### **RESEARCH INTEREST:**

- Botanical investigation of medicinal plants.
- Isolation and structural elucidation of different groups of naturally occurring compounds as Flavonoids, Terpenoids, Steroids, Tannins, Iridoids, Anthraquinones, Cyanogenic glycosides, Furochromones, Stilbenes and Saponins from their natural sources.

- Biological study of different plants and their chemical constituents.

## PUBLICATIONS:

1. Usama Ramadan Abdelmohsen, Soad A. L. Bayoumi, Nesma M. Mohamed, Yaser A. Mostafa, Che J. Ngwa, Gabriele Pradel and **Salwa F. Farag**. Naturally occurring phenylethanoids and phenylpropanoids: antimalarial potential. *Royal Society of Chemistry Advances*, 13, 26804-26811 (2023). doi: 10.1039/D3RA04242A.
2. Raghad Suliman Almathkori, Rema Nasser Alotaibi, Munirah Sultan Alhumaidi, Shreifa Thaar Alotibi, Shahad Ayidh Althobaiti, **Salwa Farouk Farag**. Prevalence of using medicinal and edible plants during the Covid-19 Pandemic in Taif-Saudi Arabia. *International Journal of Pharmaceutical Research & Allied Sciences*, 12(2):79-88 (2023). doi: 10.51847/FVUWyhI6yN
3. Iman S. A. Khallaf, Soad A. L. Bayoumi, Lourin G. Malak, Abeer M.R. Hussein, Anber F. Mohammed, Mohamed A. El-Mokhtar, **Salwa F. Farag**. The inhibition of inducible nitric oxide production in lipopolysaccharide-stimulated rat macrophages and in silico studies by flavonoids from *Iris spuria* L. rhizomes. *Journal of Ethnopharmacology*, Oct 5; 278:114311 (2021). doi: 10.1016/j.jep.2021.114311.
4. Usama Ramadan Abdelmohsen, Amgad Albohy, Basma S. Abdulrazik, Soad A. L. Bayoumi, Lourin G. Malak, Iman S. A. Khallaf, Gerhard Bringmann and **Salwa F. Farag**. Natural coumarins as potential anti-SARS-CoV-2 agents supported by docking analysis. *Royal Society of Chemistry Advances*, 11 (28), 16970-79 (2021)
5. Fatimah S. Al-wuthaynani, Ahlam O. Al-salmi, Amjaad K. Al-shehri, Eman H. Al-talhi and **Salwa F. Farag**. Prevalence of using aromatic and medicinal plants in the treatment of gastrointestinal tract diseases in Al-Taif city, Kingdom of Saudi Arabia. *Journal of Advances in Medicine and Medical Research*, 32(9): 45-60, (2020).
6. Samia M. El-Sayyad, Makboul A. Makboul, Rofida Wahman, and **Salwa F. Farag**. A new dihydrocoumarin from *Ficus sycomorus*. *Chemistry of Natural Compounds*, 56 (6), 1013-1015 (2020)

7. Nesma M. Mohamed, Makboul A. Makboul, **Salwa F. Farag**, Yan-Hong Wang, Shaymaa M. Mohamed, Samir A. Ross. Chemosystematically valuable triterpenoid saponins from *Glandularia x hybrid*. [Phytochemistry](#), 175, 112367 (2020)
8. Nesma M. Mohamed, Makboul A. Makboul, **Salwa F. Farag**, Amer H. Tarawneh, Shabana I. Khan, Tracy A. Brooks, Yan-Hong Wang, Samir A. Ross. Iridoid and phenylpropanoid glycosides from the roots of *Lantana montevidensis*. [Medicinal Chemistry Research](#), 27 (6), 1117-1126 (2017).
9. Samia M. El-Sayyad, Makboul A. Makboul, Rofida M. Ali, Salwa F. Farag. Hypotensive effect of *Ficus sycomorus* L. on the arterial blood pressure of rabbits. [Research and Reviews: Journal of Pharmacognosy and Phytochemistry](#), 4 (2) (2016).
10. Nesma M. Mohamed, Makboul A. Makboul, **Salwa F. Farag**, Surendra Jaina, Melissa R. Jacob, Babu L. Tekwani, Samir A. Ross. Triterpenes from the roots of *Lantana montevidensis* with antiprotozoal activity. [Phytochemistry Letters](#), 15, 30–36 (2016).
11. Samia M. El-Sayyad, Makboul A. Makboul, Rofida M. Ali, Jasmine O. El-Amir., **Salwa F. Farag**. Hepatoprotective activity of *Ficus sycomorus* L. against N-nitrosodiethylamine and CCl<sub>4</sub>-induced hepatocarcinogenesis in experimental rats. [Research & Reviews: Journal of Pharmacognosy and Phytochemistry](#), 3 (2), (2015)
12. El-Sayyad S.M., Makboul M.A., **Farag S.F.** and Ali. R.M. Macro- and micromorphology of the leaves, inflorescences and fruits of *Ficus sycomorus* L. cultivated in Egypt: Part 1. [Bulletin of Pharmaceutical Sciences, Assiut University](#), 37 (1), 1-25 (2014).
13. Makboul MA, Attia AA, **Farag SF**, Mohamed N M., Ross SA. Chemical constituents with free-radical-scavenging activity from the leaves of *Lantana montevidensis* (Spreng.) Briq. [Pharmacognosy Journal](#), 6 (6), 27-31 (2014)
14. Makboul MA, Attia AA, **Farag SF**, Mohamed NM, Ross SA, Takaya Y and Niwa M. A new pentacyclic triterpenoid from the leaves of *Lantana montevidensis* (Spreng.) Briq. [Natural Products Research](#), 27 (21), 2046-52 (2013).
15. Makboul A. Makboul, Ahmed A. Attia, **Salwa F. Farag**, Nesma M. Mohamed. Investigation of essential oil and biological activities of

- Lantana montevidensis* (Spreng.) Briq. cultivated in Egypt. [Journal of Natural Pharmaceuticals](#), 4 (1), 13-20 (2013).
16. Makboul A. Makboul, Ahmed A. Attia, **Salwa F. Farag**, Nesma M. Kamal. Macro- and micromorphology of the aerial parts of *Lantana montevidensis* (Spreng.) Briq. Cultivated in Egypt. [Bulletin of Pharmaceutical Sciences, Assiut University](#), 35(2), 127-160 (2012).
  17. Ahmed M.A. Abd El-Mawla, **Salwa F. Farag** and Till Beuerle. Cinnamyl alcohols and methyl esters of fatty acids from *Wedelia prostrata* callus cultures. [Natural Product Research](#), 25(1), 45–52 (2011).
  18. **Salwa F. Farag**, Yoshiaki Takaya and Masatake Niwa. Stilbene glucosides from the bulbs of *Iris tingitana*. [Phytochemistry Letters](#), 2(4), 148-151 (2009).
  19. **Salwa F. Farag**, Yuka Kimura, Hideyuki Ito, Junko Takayasu, Harukuni Tokuda and Tsutomu Hatano. New isoflavone glycosides from *Iris spuria* L. (Calizona) cultivated in Egypt. [Journal of Natural Medicines](#), 63 (1), 91-95 (2009).
  20. **Salwa F. Farag**. Polyphenolic compounds from the leaves of *Schinus terebinthifolius* Raddi. [Bulletin of Pharmaceutical Sciences, Assiut University](#), 31(2), 319-329 (2008).
  21. Hanaa M. Sayed, Mahmoud H. Mohamed, **Salwa F. Farag**, Gamal A. Mohamed, Olanrewaju R. M. Omobuwajo and Peter Proksch. Fructose–amino acid conjugate and other constituents from *Cyperus rotundus* L. [Natural Product Research](#), 22 (17), 1487-1497 (2008).
  22. Hanaa M. Sayed, Mahmoud H. Mohamed, **Salwa F. Farag**, Gamal A. Mohamed and Peter Proksch. A new steroid glycoside and furochromones from *Cyperus rotundus* L. [Natural Product Research](#), 21 (4), 343-350 (2007).
  23. Hanaa M. Sayed, Mahmoud H. Mohamed, **Salwa F. Farag**, Gamal A. Mohamed, Rainer Ebel, Olanrewaju R. M. Omobuwajo and Peter Proksch. Phenolics of *Cyperus alopecuroides* Rottb. inflorescences and their biological activities. [Bulletin of Pharmaceutical Sciences, Assiut University](#), 29 (1), 9-32 (2006).
  24. **Salwa F. Farag**. Phytochemical and pharmacological studies of *Ficus benjamina* L. Leaves. [Mansoura Journal of Pharmaceutical Sciences](#), 21 (2), 19-36 (2005).

25. Enaam Y. Backheet, **Salwa F. Farag**, Amany S. Ahmed and Hanaa M. Sayed. Flavonoids and cyanogenic glycosides from the leaves and stem bark of *Prunus persica* (L.) Batsch (Meet Ghamr) peach local cultivar in Assiut region. [Bulletin of Pharmaceutical Sciences, Assiut University](#), 26 (1), 55-66 (2003).
26. Hanaa M. Sayed, Mahmoud H. Mohamed, **Salwa F. Farag** and Gamal A. Mohamed. Macro- and micromorphological characters of *Cyperus rotundus* L. growing in Egypt. [Bulletin of Pharmaceutical Sciences, Assiut University](#), 24 (2), 211-233 (2001).
27. **Salwa F. Farag**. Phytochemical investigation of the aerial parts and roots of *Wedelia prostrate*. [Bulletin of Faculty of Pharmacy, Cairo University](#), 39 (3), 189-194 (2001).
28. Hanaa M. Sayed, Mahmoud H. Mohamed, **Salwa F. Farag** and Gamal A. Mohamed. Phytochemical and biological investigations of *Cyperus rotundus* L. [Bulletin of Faculty of Pharmacy, Cairo University](#), 39 (3), 195-203 (2001).
29. **Salwa F. Farag**. Macro- and micromorphology of the stem and leaf of *Wedelia prostrata* Hook. et Arn. (Hemsl.) cultivated in Egypt. [Bulletin of Pharmaceutical Sciences, Assiut University](#), 24 (2), 251-270 (2001).
30. Enaam Y. Backheet, **Salwa F. Farag** and Nasr A. El-Emary. Anthraquinones and iridoid glucosides from the roots of *Rubia tinctorum* L. [Bulletin of Faculty of Pharmacy, Cairo University](#), 39 (2), 135-139 (2001).
31. **Salwa F. Farag**, Amany S. Ahmed, Kenji Terashima, Yoshiaki Takaya and Masatake Niwa. Isoflavonoid glycosides from *Dalbergia sissoo*. [Phytochemistry](#), 57, 1263-1268 (2001).
32. **Salwa F. Farag**, Enaam Y. Backheet, Nasr A. El-Emary and Masatake Niwa. Isoflavonoids and flavone glycosides from rhizomes of *Iris cartholiniae*. [Phytochemistry](#), 50 (8), 1407-1410 (1999).
33. **Salwa F. Farag**, Nasr A. El-Emary and Masatake Niwa. Gallotannins from *Quercus robur* cultivated in Egypt. [Bulletin of Pharmaceutical Sciences, Assiut University](#), 21 (1), 1-6 (1998).

34. **Salwa F. Farag**, Nasr A. El-Emary, Makboul A. Makboul, Hashem A. Hassanean and Masatake Niwa. Revised  $^{13}\text{C}$ -NMR assignments of kaurenoids from *Wedelia prostrata* Hook. et. Arn. (Hemsl.). *Bulletin of Pharmaceutical Sciences, Assiut University*, 21 (1), 81-87 (1998).
35. **Salwa F. Farag**, Nasr A. El-Emary, Makboul A. Makboul, Hashem A. Hassanean and Masatake Niwa. Phytochemical investigation of *Wedelia prostrata* Hook. Et Arn. (Hemsl.); II- The ethyl acetate soluble fraction of the methanol extract. *Bulletin of Pharmaceutical Sciences, Assiut University*, 20 (1), 37-46 (1997).
36. **Salwa F. Farag**, Nasr A. El-Emary and Masatake Niwa. Eudesmanolides from *Wedelia prostrate*. *Chemical & Pharmaceutical Bulletin*, 44 (4), 661-664 (1996).
37. Nasr A. El-Emary, Makboul A. Makboul, Mohamed A. Abdel-Hafiz and **Salwa F. Farag**. Phytochemical study of *Euphorbia heterophylla* L. cultivated in Egypt. *Bulletin of Pharmaceutical Sciences, Assiut University*, 13 (1), 51-58 (1990).
38. Nasr A. El-Emary, Makboul A. Makboul, Mohamed A. Abdel-Hafiz and **Salwa F. Farag**. Macro- and micromorphology of *Euphorbia heterophylla* L. *Bulletin of Pharmaceutical Sciences, Assiut University*, 12 (3), 422-436 (1989).

## BOOKS:

- 1- Participation in the preparation of practical note of "**A Practical Manual of Chemistry of Natural Products-1**" for the third year students of Pharmacy, Assiut University.
- 2- Participation in the preparation of theoretical note of "**Notes on Chemistry of Natural products-1**" for the third year students of Pharmacy, Assiut University.
- 3- Participation in the preparation of practical note of "**A Practical Manual of Chemistry of Natural Products-2**" for the third year students of Pharmacy, Assiut University.
- 4- Participation in the preparation of theoretical note of "**Notes on Chemistry of Natural products-2**" for the third year students of Pharmacy, Assiut University.



- 5- Participation in the preparation of practical note of "**A Practical Manual of Alternative Medicine**" for the fourth year students of Pharmacy, Assiut University.
- 6- Participation in the preparation of theoretical note of "**Notes on Alternative Medicine**" for the fourth year students of Pharmacy, Assiut University.

## **CO-SUPERVISION**

- Pharmacognostical study of *Cyperus rotundus* L. Family Cyperaceae growing in Egypt. **Gamal A. Hussein, M.Sc. Thesis**, Pharmacognosy Department, Faculty of Pharmacy, Assiut University, Assiut (Approved **January, 2002**).
- Phytochemical and biological studies of certain *Cyperus species* growing in Egypt. **Gamal A. Hussein, PH. D. Thesis**, Pharmacognosy Department, Faculty of Pharmacy, Assiut University, Assiut (Approved **September, 2006**).
- Pharmacognostical study of *Lantana montevidensis* (Spreng.) Briqu. cultivated in Egypt. **Nesma Mustafa Mohamed Kamal, M.Sc. Thesis**, Pharmacognosy Department, Faculty of Pharmacy, Assiut University, Assiut (Approved **July, 2012**).
- Pharmacognostical study of *Ficus sycomorus* L. cultivated in Egypt. **Rofida Mustafa Ali, M.Sc. Thesis**, Department, Faculty of Pharmacy, Assiut University, Assiut (Approved **October, 2014**).
- Phytochemical and biological Study of Some Plants belonging to Family Verbenaceae. **Nesma Mustafa Mohamed Kamal, Ph.D. Thesis**, Pharmacognosy Department, Faculty of Pharmacy, Assiut University, Assiut (Approved **April, 2017**).

## **OTHER ACTIVITIES:**

- 1- Member of **Egyptian Syndicate** of Pharmacists, from 1985 till now.
- 2- Academic advising coordinator and student activities in Clinical pharmacy Program, Faculty of Pharmacy, Assiut University in March 2008- September 2011.
- 3- Member of **QAAP** of the Faculty of Pharmacy, Assiut University, responsible for Course Specification and Course Report Team.

## AWARDS

- April 15, 1994 until December 2, 1995, a member of internal mission Scholarship from Egyptian Mission Department at Faculty of Pharmacy, Meijo University, Nagoya, Japan (co-operative with Prof. Dr. Masatake Niwa) to carry out the practical part and literature collection of the Ph.D. degree.
- July 1, 2007, postdoctoral fellowship for 6 months provided by Egyptian Government at Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Tsushima, Okayama, Japan (Dr. Hideyuki Ito).

### ♣ حضور دورات تنمية قدرات أعضاء هيئة التدريس:

- ١- إدارة الوقت وضغوط العمل: ١٩-٢١ فبراير ٢٠٠٥م
- ٢- إتخاذ القرارات وحل المشكلات: ١٦-١٩ أبريل ٢٠٠٥م
- ٣- أخلاقيات وآداب المهنة: ١٠-١٢ مايو ٢٠٠٥م
- ٤- Course and Curriculum Design: ٢٤-٢٧ يوليو ٢٠٠٥م
- ٥- الإتجاهات الحديثة فى التدريس: ٢٥-٢٧ مارس ٢٠٠٦م
- ٦- تأكيد الجودة والإعتماد: ١-٢ أبريل ٢٠٠٦م
- ٧- التدريس باستخدام التكنولوجيا: ١-٣ يوليو ٢٠٠٦م
- ٨- تقييم التدريس: ١٧-١٩ يوليو ٢٠٠٦م

### ♣ حضور المؤتمرات العلمية والندوات:

- ١- مؤتمر جامعة أسيوط الأول للعلوم الصيدلانية - أسيوط فى الفترة من ٤-٥ مارس ١٩٩٨م والمشاركة بعرض البحث الآتى:

"Gallotannins from *Quercus robur* cultivated in Egypt"

- ٢- مؤتمر جامعة أسيوط الثانى للعلوم الصيدلانية - أسيوط فى الفترة من ٨-٩ مارس ٢٠٠٠م والمشاركة بعرض البحث الآتى:

"New Isoflavonoid glycosides from *Dalbergia sissoo*"

- ٣- ندوة إنجازات جامعة أسيوط فى الفترة من ١٦-١٧ أكتوبر ٢٠٠١م بقاعة المؤتمرات بكلية الزراعة -جامعة أسيوط.

٤- سمينار اليوم الواحد المنعقد بقسم الطبيعة - كلية العلوم - جامعة أسيوط فى ١٠ نوفمبر ٢٠٠١م عن :

"New Aspects in the Structure of Amorphous and Crystalline Materials"

٥- مؤتمر الأزهر الدولى الثانى للعلوم الصيدلية والبيولوجية المنعقد بدار الدفاع الجوى بالقاهرة فى الفترة من ١٩-٢١ ديسمبر ٢٠٠١ والمشاركة بعرض البحث الآتى:

"Phytochemical and biological investigations of *Cyperus rotundus* L."

٦- مؤتمر العلوم الصيدلية الدولى الثامن و العشرون الذى عقدته الجمعية الصيدلية المصرية المنعقد بدار الدفاع الجوى بالقاهرة فى الفترة من ١٧-١٩ ديسمبر ٢٠٠٢

٧- مؤتمر جامعة أسيوط الثالث للعلوم الصيدلية - أسيوط فى الفترة من ٥-٦ مارس ٢٠٠٢م

٨- مؤتمر الأزهر الدولى الثالث للعلوم الصيدلية والبيولوجية المنعقد بدار الدفاع الجوى بالقاهرة فى الفترة من ١٦-١٨ ديسمبر ٢٠٠٣.

٩- مؤتمر جامعة أسيوط الرابع للعلوم الصيدلية - أسيوط فى الفترة من ٦-٧ مارس ٢٠٠٤م

١٠- مؤتمر جامعة أسيوط الخامس للعلوم الصيدلية - أسيوط فى الفترة من ٧-٨ مارس ٢٠٠٦م

١١- مؤتمر جامعة أسيوط السادس للعلوم الصيدلية - أسيوط فى الفترة من ١٢-١٣ مارس ٢٠٠٨م

### ♣ حضور البرامج التدريبية بجامعة الطائف:

١- برنامج "تهيئة أعضاء وعضوات هيئة التدريس الجدد والعائدين من الابتعاث من منسوبي الجامعة" - جامعة الطائف - المملكة العربية السعودية فى الفترة من ١٧-١٩ ذو الحجة ١٤٣٩

٢- برنامج تدريبي بعنوان "كيفية توظيف مهارات منصة التعلم بلاك بورد فى التعليم" - جامعة الطائف - المملكة العربية السعودية فى الفترة من ١٨-٢٠ فبراير ٢٠١٩