

CURRICULUM VITAE

Dr. Aya Mohamed Asaad Mahmoud

Personal Record:

Name : **Aya Mohamed Asaad Mahmoud Saad.**

Address : Azhaar el saraya, building 5, infront of masjed Aly ebn Abi Taleb Smouha Alexandria, Egypt.

Date of Birth : December, 1948, Cairo.

Marital Status : Married, Three Children.

Nationality : Egyptian.

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Educational Record:

- **Bachelor of Pharmacy (1967-1972):**

University : University of Cairo, Egypt.

Grade : Very Good, Honor.

- **M.Sc. Degree in Pharmaceutical Sciences (1977):**

Department of Pharmacognosy, Faculty of Pharmacy,

University of Alexandria, Alexandria, Egypt.

The Thesis Titled:

PHARMACOGNOSTICAL STUDY OF SOME PLANTS GROWING IN EGYPT BELONGING TO THE FAMILIES LABIATAE AND LEGUMINOSAE.

- **Ph.D. Degree in Pharmaceutical Sciences (1984):**

Department of Pharmacognosy, Faculty of Pharmacy,

University of Alexandria, Alexandria, Egypt.

The Thesis Titled:

**PHARMACOGNOSTICAL STUDY OF CERTAIN
ASTRAGALUS AND AJUGA SPECIES GROWING IN
EGYPT.**

- **Assistant Professor of Pharmacognosy (1989):**

Department of Pharmacognosy, Faculty of Pharmacy,
University of Alexandria, Alexandria, Egypt.

- **Professor of Pharmacognosy (2002):**

Department of Pharmacognosy, Faculty of Pharmacy,
University of Alexandria, Alexandria, Egypt.

Occupational Record:

May, 1972.

Name of Employer : Faculty of Pharmacy, University of Cairo,
Cairo, Egypt.

Position : Student Demonstrator in Pharmacognosy
Dept.

Duties : Preparation and Supervision of Laboratory.

May, 1973 - November, 1977.

Name of Employer : Faculty of Pharmacy, University of
Alexandria, Alexandria, Egypt.

Position : Student Demonstrator in Pharmacognosy
Dept.

Duties : Preparation and Supervision of Laboratory.

November, 1977 - February, 1984.

Name of Employer : Faculty of Pharmacy, University of
Alexandria, Alexandria, Egypt.

Position : Assistant Lecturer in Pharmacognosy Dept.

Duties : Preparation and Supervision of Laboratory.

February, 1984 - June, 1989.

Name of Employer : Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt.
Position : Lecturer in Pharmacognosy Dept.
Duties : Teaching Undergraduate Courses on Applied Pharmacognosy and Medicinal Plants and Supervising M. Sc. students.

December, 1988 - November, 1990.

Child Care Leave.

June, 1989 - June, 2002.

Name of Employer : Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt.
Position : Assistant Professor in Pharmacognosy Dept.
Duties : Teaching Undergraduate Courses on Applied Pharmacognosy and Medicinal Plants and Supervising M. Sc. students.

June, 2002.

Name of Employer : Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt.
Position : PROFESSOR in Pharmacognosy Dept.
Duties : Teaching Undergraduate Courses on Applied pharmacognosy and Medicinal Plants and Supervising M. Sc. and Ph.D. Students.

Since, 2010-2015

Participate in teaching course of Forensic Pharmacognosy in Pharos University.

Scientific Record:

- 1- Abdullah El-Lakani, M. Sc . Thesis, Department of Pharmacognosy, Faculty of Pharmacy, University of Alexandria (1988).
- 2- Soad Toaima, Ph.D. Thesis, Department of Pharmacognosy, Faculty of Pharmacy, University of Alexandria (1996).
- 3- Mohamed Radwan, M. Sc . Thesis, Department of Pharmacognosy, Faculty of Pharmacy, University of Alexandria (2000).
- 4- Mohamed Radwan, Ph.D. Thesis, Department of Pharmacognosy, Faculty of Pharmacy, University of Alexandria (2004).
- 5- Amr Mustafa El-Hawet , M. Sc. Thesis, Department of Pharmacognosy, Faculty Pharmacy, University of Alexandria (2007) .
- 6- Dina Selim, M. Sc. Thesis, Department of Pharmacognosy, Faculty Pharmacy, University of Alexandria (2009).
- 7- Alaa El Banna, **Master Thesis**, Department of Pharmacognosy, Faculty of Pharmacy, University of Alexandria (2013).
- 8- Dina Selim, Ph.D. Thesis, Department of Pharmacognosy, Faculty of Pharmacy, University of Alexandria (2015).
- 9- Alaa El Banna, Ph.D. Thesis, Department of Pharmacognosy, Faculty of Pharmacy, University of Alexandria (2018)

10- Ahmed Abdel Moneim Azab **Master Thesis**, Department of Pharmacognosy, Faculty of Pharmacy, University of Alexandria (in progress)

List of publications .

Publications before promotion to lecturer:

- 1- S. M. Khafagy, N. Nazmi Sabri, N. El-Sebakhy and **A. Asaad.** **Isolation of a new saponin glycoside from Astragalus alexandrinus Boiss.** *Egypt. J. Pharm. Sci.*, 20, No. 1-4, (1979).
- 2 S. M. Khafagy, N. Nazmi Sabri, N. El-Sebakhy, B. Blessington and **A. Asaad.** **A C-28 Ecdysone-like substances from Ajuga iva (L.) Schreb.** *Planta Medica*, 35, 184-5, (1979).
- 3- N. Nazmi Sabri, **A. Asaad** and S. M. Khafagy. **Isolation of four ecdysones from Ajuga iva (L.) Schreb. roots and a rapid semi quantitative method for ecdysone determination.** *Planta Medica*, 42, 293-5, (1981).
- 4 N. N. Sabri, N. A. El-Sebakhy, **A. M. Asaad** and S. M. Khafagy. **Saponins glycosides of Astragalus tomentosus lam. and A. peregrinus Vahl.** Bulletin of Faculty of Pharmacy, Cairo University vol. XXII No.1, (1983).
- 5- N. N. Sabri, N. A. El-Sebakhy, **A. M. Asaad** and S. M. Khafagy. **Two saponin glycosides from Astragalus boeticus L.** Bulletin of Faculty of Pharmacy, Cairo University vol. XXIII No. 1, (1984).
- 6 N. N. Sabri, N. A. El-Sebakhy, **A. M. Asaad** and S. M. Khafagy. **Macro- and micromorphological study of Ajuga iva (L.) Schreb. Part I The flower.** The Pharmaceutical Society of Egypt XVIII Egyptian Conference of Pharmaceutical Sciences, Cairo, (1984).
- 7 N. N. Sabri, N. A. El-Sebakhy, **A. M. Asaad** and S. M. Khafagy. **Macro- and micromorphological study of Aguga iva (L.) Schreb. Part II The leaf, stem and root.** The Pharmaceutical Society of Egypt XVIII Egyptian Conference of Pharmaceutical Sciences, Cairo, (1984).

Publications after promotion to lecturer:

- 8 N. N. Sabri, N. M. Ghazy, A. Abou-Donia, **A. Asaad**, and A. M. El-Lakany. **Pharmacognostical study of Salvia aegyptiaca L. Part I. Macro- and micromorphology of stem and leaf.** *Egyptian J. Pharm. Sci*, Vol. 29, 19-32, (1988).

- 9-** N. Sabri, Amina-H. Abou-Donia, Aya M. Asaad, Nabila M. Ghazi and Abdalla M. El-Lakany. **Pharmacognostical Study of Salvia aegyptiaca L. Macro- and micromorphology of the flower.** *Alex. J. Pharm. Sci.*, Vol .II, 9-13 (1988).
- 10-** **Aya M. Asaad** and Mohamed F. Lahloub. **Iridoid glucoside of Ajuga iva (L.) Schreb. (Lamiaceae).** *Alex.J.Pharm.Sci.*, Vol.II,132-5 (1988).
- 11-** Masouda E. Amer, **Aya M. Asaad** and Zeinab F. Mahmoud. **Alkaloids from Fumaria densiflora DC.** *Alex. J. Pharm. Sci.*, Vol. II, 116-8 (1988).
- 12-** Amina-H. Abou- Donia, **Aya M. Asaad**,Nabila M. Ghazi, Michael S. Tempesta and DaleR.Sanson. **Diterpene quinones from the roots of Rosmarinus officinalis L.** *Alex. J. Pharm. Sci.* Vol. III, 54-5 (1989).
- 13.** Nawal N.Sabri,Amina-H.Abu-Donia,**Aya M. Asaad**, Nabila M.Ghazi,Abdalla M.El-Lakany, Michael S.Tempesta and Dale R.Sanson. **Abietane diterpene quinones from the roots of Salvia verbenaca and S. lanigera.** *Planta Medica* Vol.55,582 (1989).
- 14** Nadia A. El-Sebakhy and **Aya M. Asaad.** **Macro- and micromorphological study of Phlomis floccosa D. Don. Lamiaceae, Part I. The leaf, stem and root.** *Egyptian J. Pharm. Sci.* Vol. 31, 310 (1990).
- 15-** **Aya M. Asaad**, Masouda E. Amer and Nadia El-Sebakhy. **Macro-and micromorphological study of Phlomis floccosa D. Don. Lamiaceae Part II. The flower.** *Egyptian J. Pharm. Sci.* Vol. 31, 315 (1990).
- 16-** Nawal N. Sabri, Amina-H. Abou-Donia, **Aya M. Asaad**, Nabila M. Ghazi, Abdalla M. El-Lakany and Michael Tempesta. **Tow new rearranged abietane diterpene quinones from Salvia aegyptiaca roots.** *The Journal of Organic Chemistry*,Vol. 54, 4097 (1989).

Publications after promotion to assistant professor :

- 17-** Nadia A. El-Sebakhy, Fathalla M. Harraz, Rokia M. Abdallah, **Aya M. Asaad**, F.Orsini,F. Pelizzoni, G. Sello and L. Verotta. **Cycloartane Triterpene Glycosides from Egyptian Astragalus Species.** *Phytochemistry*, Vol. 29, No.10, 3271-4, (1990).
- 18-** **Aya M. Asaad**, Nadia A. El-Sebakhy, Mohamed F. Lahloub and Sabri A. A. El-khayatt. **Iridoid Glucosides of Phlomis floccosa D. Don.** *Alex. J. Pharm. Sci.* Vol. 6, 183-5 (1992).
- 19-** Olfat M. K. Gabr, Nabila M. Ghazi, **Aya M. Asaad** and Fathalla Harraz. **Macro- and micromorphology of the leaf, stem and root of Thymus capitatus (L.)Hoffmogg et Link.** *Egypt. J. Pharm. Sci*, Vol. 34, No. 1-3, 1-12, (1993).

- 20- Fuliva Orsini, Luisella Verotta, Luciano Barboni, Nadia A. El-Sebakhy, **Aya M. Asaad**, Rokia M. Abdallah and Soad M. Toaima. **Cycloartane Triterpene Glycosides from Astragalus alexandrinus.** *Phytochemistry*, Vol. 35, No. 3, 745-49 (1994).
- 21- Nadia A. El-Sebakhy, **Aya M. Asaad**, Rokia M. Abdallah, Soad M. Toaima, Maged S. Abdel Kader and Frank R. Stermitz. **Antimicrobial Isoflavans from Astragalus Species.** *Phytochemistry*, Vol. 36 ,No. 6 , 1387-9 (1994).
- 22- Rokia M. Abdallah, Nabila M. Ghazy, **Aya M. Asaad**, Nadia A. El-Sebakhy, Angella pirillo and Luisella Verotta. **Constituents of the Egyptian Astragalus tomentosus Lam.** *Pharmazie*, 49, 377 (1994).
- 23- Pierluigi Gariboldi, Francesca Pelizzoni, Marco Tato, Luisella Verotta, Nadia El-Sebakhy, **Aya M. Asaad**, Rokia M. Abdallah and Soad M. Toaima. **Cycloartane Triterpene Glycosides from Astragalus trigonus.** *Phytochemistry*, Vol. 40, No. 6, 1755-60 (1995).
- 24- Francesca Pelizzoni, Luisella Verotta, Giuseppe Nicastro, Marco Tato, Nadia A. El-Sebakhy, **Aya M. Asaad**, Rokia M. Abdallah and Soad M. Toaima. **A minor Cycloartan – 3 B, 16 B- diglucoside from Astragalus trigonus.** *Gazzetta Chimica Italiana*, 126, 657 (1996).
- 25- **Aya M. Asaad**, Nagwa S.El-Shaer and Fikria Darwish. **Flavonoids from Dalbergia sisso Roxb. Cultivated in Egypt.** *Alex.J.Pharm.Sci*, Vol.14,(2),103-5 (2000).
- 26- **Aya M. Asaad.** **A minor Cycloartane Saponin from Astragalus boeticus.** *J. Pharm. Sci*, Vol. 14 (2) 105-8 (2000).
- 27- Nadia A El-Sebakhy, **Aya M. Asaad**, Rokia M. Abdallah, Soad M. Toaima, Luisella Verotta and Fulvia Orsini. **Constituents of Egyptian Astragalus tribuloides Del.** *Natural Product Sciences*, vol.6 (1) 11-15 (2000).
- 28- Luisella Verotta, Marco Guerrini, Nadia A. El-Sebakhy, **Aya M. Asaad**, Soad M. Toaima and Mohamed M. Radwan. **Cycloartane and Oleanane Saponins from Astragalus kahiricus DC. and Astragalus hamosus L.** World Congress of Pharmacy and Pharmaceutical Sciences 2001. 61 st. International Congress of FIP Singapore, 1 – 6 September (2001).
- 29- Luisella Verotta, Marco Guerrini, Nadia A. El-Sebakhy, **Aya M. Asaad**, Soad M. Toaima, Mohamed E. Abou-Sheer, Ying-De Luo and John M. Pezzuto. **Cycloartane Saponins from Astragalus peregrinus Vahl. As Modulators of Lymphocyte Proliferation.** *Fitoterapia*, Vol. 72, 894-905 (2001).
- 30- **Aya M. Asaad.** **Astragalus tomentosus Lam. : Macro- and Micromorphology of the Flower and phytochemical study of the Roots.** *Alex. J. Pharm. Sci.*, Vol.16 (2), 63-9 (2002).

Publications after promotion to professor:

- 31- Luisella Verotta, Marco Guerrini, Nadia A. El-Sebakhy, **Aya M. Asaad**, Soad M. Toaima, Mohamed M. Radwan, Ying-De Luo and John M. Pezzuto. **Cycloartane and Oleanane Saponins from Egyptian Astragalus spp. as Modulators of Lymphocyte Proliferation.** *Planta Medica*, Vol.68, 986-94 (2002)
- 32- Mohamed M. Radwan, Afgan Farooq, Nadia A. El-Sebakhy, **Aya M. Asaad**, Soad M. Toaima and David G. I. Kingston. **Acetals of Three New Cycloartane – Type Saponins from Egyptian Collection of Astragalus tomentosus.** *Planta Medica*, Vol.67, 487-90 (2004).
- 33- Mohamed M. Radwan, Nadia A. El-Sebakhy, **Aya M. Asaad**, Soad M. Toaima and David G. I. Kingston. **Kahiricoside II – V , cycloartane glycosides from an Egyptian collection of Astragalus kahiricus.** *Phytochemistry*, Vol. 65, 2909-13 (2004).
- 34- Soad M. Toaima, Mohamed M. Radwan, **Aya M. Asaad** and Nadia A. El- Sebakhy. **Cytotoxic Isoflavones From Calligonum comosum L'Her** *Bull. Fac. Pharm. Cairo Univ.*, 45(1), 171 (2007).
- 35- Mohamed M. Radwan. Nadia A. El-Sebakhy. **Aya M. Asaad**. Soad M. Toaima, and David G.I. Kingston. **Spinocoumarin I, a new coumarin derivative from Astragalus spinosus Forssk.** *Natural Product Communications*, 2(9), 919 (2007).
- 36- Nadia El Sebakhy, **Aya Assad**, Soad Toaima. Mohamed Radwan and Dina Selim."Four Cycloartane Saponins from the Roots of Astragalus Kahricus DC. and a validated HPLC Method for Quantitative Determination of Cycloartane Saponins in the Dried Alcoholic Plant Extracts". The 2009 AAPS Annual Meeting and Exposition, November 8-12(2009) in Los Angeles, California, USA.
- 37- Amr M. El-Haweyt, Soad M Toaima, **Aya M. Asaad**, Mohamed M. Radwan and Nadia A El-Sebakhy. **Chemical constituents from Astragalus annularis Forssk. and A. trimestris L., Fabaceae.** *Brazilian Journal of Pharmacognosy*, accepted 29 April, (2010), available on line.
- 38- Rasha M. Allam , Dina A. Selim , Asser I. Ghoneim , Mohamed M. Radwan , Salwa M. Nofal , Amani E. Khalifa, Ola A. Sharaf , Soad M. Toaima , **Aya M. Asaad** , Nadia A. El-Sebakhy. **Hepatoprotective Effects of Astragalus kahricus Root Extract Against Ethanol-Induced Liver Apoptosis In Rats.** *Chineese Journal of Natural Medicines*, 11(4): 0354-0361 (2013).

- 39- Nadia A. El-Sebakhy, **Aya M. Asaad**, Soad M. Toaima and Mohamed M. Radwan "Kahiricoside VI, a new cytotoxic cycloartane - type saponin from *Astragalus kahiricus*". AAPS Annual Meeting and Exposition, November10-14 San Antonio (2013).
- 40- Mohamed Abdel Tawab Korany, Marwa Said Moneeb, Dina Ahmed Selim, **Aya Mohamed Asaad**,and Nadia Abdel Aziz El-Sebakhy. **Densitometric Kinetic Stability Studies of Some Plant Extracts Using Different Regression Methods.** Journal of Planar Chromatography - Modern TLC 29,2,148-154 (2016)
- 41 Mohamed A. Korany, Marwa S. Moneeb, Aya M. Asaad, Nadia A. El-Sebakhy& Alaa A. El-Banna. **The Use of Merbromin Fluorescence Quenching for the Assay of Silymarin in its Natural Source and Pharmaceutical Preparations.** *Analytical Chemistry Letters*, TACL 9(2): 152 – 167 (2019).
- 42- Mohamed A. Korany, Marwa S. Moneeb, Aya M. Asaad, Nadia A. El-Sebakhy& Alaa A. El-Banna. **Determination of 10-Hydroxy-2-Decenoic Acid Content in Royal Jelly Products by High Performance Thin Layer Chromatography.** *Participated as a poster in the International Conference on Pharmaceutical & Healthcare Sciences (PHS 2019) on 6-7 November 2019, Hilton Alexandria Green Plaza.*
- 43- Mohamed A. Korany, Marwa S. Moneeb, Aya M. Asaad, Nadia A. El-Sebakhy& Alaa A. El-Banna. **Analysis of astragalosides I, II & IV in some Egyptian Astragalus species and Astragalus dietary supplements using high performance liquid chromatography/evaporative light scattering detector and non-parametric regression .** Under review in the *Journal of Phytochemical Analysis* .