

Curriculum Vitae



Prof. Dr. Fatma Ulku Afifi (Yazar)
Professor of Pharmacognosy and Phytochemistry
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Marital Status : Married, 3 children

Lingual Skills

Turkish (Mother tongue), German (excellent), English (excellent), Arabic (good), French (fair) and Latin (basics).

Hobbies

Reading, travelling

Education :

1975-1979	Dr. Sc. Nat. (Pharmacognosy and Phytochemistry) Doctor of Natural Sciences, ETH-Zurich, Switzerland.
1966-1971	Magister of Pharmacy-University of Vienna, Austria
1957-1966	Austrian High School St. Georg, Istanbul-Turkey

Employment and Academic Career

<u>Dates</u>	<u>Place</u>	<u>Rank</u>
9/2003 - present	University of Jordan Faculty of Pharmacy	Prof. of Pharmacognosy and Phytochemistry
9/2002 – 9/2003	University of Jordan	Leave without payment
10/1991-9/2002	Faculty of Pharmacy University of Jordan	Dean of the Faculty
1997	University of Jordan Faculty of Pharmacy	Promoted to Prof of Pharmacognosy and Phytochemistry
1992-1995	University of Jordan Faculty of Pharmacy	Head of the Dept. (Dept. of Pharmacognosy and Phytochemistry and Pharmaceutical Chemistry).
1991	University of Jordan Faculty of Pharmacy	Promoted to Associated Prof.
8/1991-10/1991	University of Jordan Faculty of Pharmacy	Vice Dean
1989-1991 1986-1988	University of Jordan Faculty of Pharmacy	Head of the Dept. of Pharmacognosy.
1981-1986	University of Jordan Faculty of Pharmacy	Assistant Prof. (Dept. of Pharmacognosy).
1979-1980	ETH-Zurich	Lecturer in Pharmaceutical Institute.
1977-1979	ETH-Zurich Faculty of Pharmacy	Teaching assistant. Dept. of Pharmacognosy
1973-1975	Zurich-Switzerland	Pharmacist
1971-1973	Linz-Austria	Pharmacist in Linzchemie AG Dept.-New product

Research Interests

- Isolation, identification and structure determination of plant constituents
- Biological activity of the natural products (antiulcer, hypoglycemic, antiplatelet, anticancer)
- Ethnopharmacology and evidence based phytotherapy using local medicinal plants
- Pharmacy education

Teaching Experience

Undergraduate Courses

- 1- Pharmacognosy: Theoretical and practical courses.
- 2- Phytochemistry I: Theoretical and practical courses.
- 3- Phytochemistry II: Theoretical and practical courses.
- 4- Toxic, Hallucinogenic and Allergenic Plants.
- 5- Pharmacy Practice and Communication Skills.

Postgraduate Courses

- 1- Advanced Natural Products' Chemistry (MSc)
- 2- Anticancer agents (PhD)
- 3- Natural Products Chemistry (PhD)
- 4- Cardiovascular Agents (PhD)
- 5- Phytotherapy (MSc)

Examination Committees

- 1- Examiner of the MSc students in the faculties of Pharmacy, Medicine, Science and Agriculture (University of Jordan)
- 2- External examiner of the MSc students in the Faculty of Pharmacy (Jordan University of Science and Technology)
- 3- External examiner of the MSc students in the Faculty of Agriculture (Balqa Applied University)
- 4- External examiner in the Faculty of Pharmacy- Fateh University, Trablus- Libya

Supervised Theses

- 1- The Influence of Some Local Medicinal Plant Extracts on Skin Wound Healing Activity; Evaluated by Histological and Ultra-Structural Studies (PhD in Biological Sciences) Co- Supervisor January 2001.
- 2- Pharmacognostical and Phytochemical Identification of Selected Medicinal Plants Commonly Used in Jordan (MSc in Pharmaceutical Sciences) Supervisor, May 2001.
- 3- Investigation of the Active Constituents of the Jordanian *Portulaca oleracea* (Portulacaceae) and Simple Evaluation of the Crude Extract's Skin Wound Healing Activity in *Mus musculus* JVI-1 (MSc in Pharmaceutical Sciences) Supervisor, June 2002
- 4- Development and Evaluation of Analytical Methods for Detection and Rapid Screening for Alpha Amylase Inhibitors Natural Products : Application to Commonly Used Plants (MSc in Pharmaceutical Sciences) Supervisor, June 2002
- 5- Determination of Pesticides in Selected Medicinal Plants Found in Jordan (MSc in Pharmaceutical Sciences) Supervisor, January 2003.
- 6- Investigation the Effect of Some Pharmaceutical Compounds on the Volatile Oils of Selected Threatened Medicinal Plants in Jordan after Propagation by Tissue Culture Technique (MSc in Agriculture/Balqa Applied University) Co-Supervisor, January, 2005.
- 7- Productivity and Some Aspects of Phytochemical Analysis of *Teucrium polium* L. Grown in Different Environments (MSc. In Agriculture/University of Jordan) Co-Supervisor, July, 2005.
- 8- Studying the skin whitening effect of *Arbutus andrachne* extract (MSc in Pharmaceutical Sciences/University of Jordan) Supervisor, July, 2005.

- 9- Dyeing hair with *Hibiscus sabdariffa* extract and studying the different variables affecting the dyeing process (MSc. In Pharmaceutical Sciences/University of Jordan) Co-supervisor, July, 2005.
- 10- Screening of some common medicinal plants of Jordan for alpha amylase inhibition activity (MSc. In Pharmaceutical Sciences/University of Jordan) Co-supervisor, August 2005.
- 11- Determination of Some Heavy Metals in Selected Medicinal Plants Commonly Used in Jordan 2004 (MSc. In Medicine/Toxicology Faculty of Medicine/University of Jordan) Co-supervisor, December, 2006.
- 12- Computer aide modeling of neuroaminidase enzyme to identify novel antiviral compounds from local Jordanian flora: Potential for treating Avian Flu (MSc. In Pharmaceutical Sciences/University of Jordan) Co-supervisor, January 2007.
- 13- Determination of the activity of *Sarcopoterium spinosum* as an antidiabetic plant on the hyperglycemic and normoglycemic rats (MSc. In Medicine/Toxicology Faculty of Medicine/University of Jordan) Supervisor, in process.
- 14- *In vitro* cytotoxic activity of selected Jordanian medicinal plants using "Leukemia cells" (MSc in Pharmaceutical Sciences/University of Jordan) Supervisor, in process.
- 15- GC-MS determination of the volatile oil composition and evaluation of *in vitro* antiproliferative activity for selected medicinal plants indigenous to Jordan against breast adenocarcinoma cell line (MCF7) (MSc in Pharmaceutical Sciences / Faculty of Pharmacy / University of Jordan) Supervisor, August, 2008.
- 16- Phytochemical analysis and evaluation of the hypolipidemic activity of the Jordanian wild *Crategus aronia*. (MSc in Biology / Faculty of Science /University of Jordan) Supervisor, July, 2009.
- 17- Studies on some *Salvia* species grown in Jordan: Volatile oils composition and mechanism of action of their antiproliferative activity (MSc in Pharmaceutical Sciences / Faculty of Pharmacy / University of Jordan) Supervisor, June, 2010.

- 18- Preparation, physicochemical characterization and biological evaluation of some hesperidin-metal complexes. (MSc in Pharmaceutical Sciences / Faculty of Pharmacy / University of Jordan) Co-Supervisor, June 2010.
- 19- Phytochemical and pharmacological screening of wild Jordanian *Papaver polytrichum* Boiss et Kotschy and partial chemical modification of selected or isolated major compounds (PhD in Medicinal Chemistry and Drug Discovery / Faculty of Pharmacy / University of Jordan) Supervisor, in process

Committee and Council Memberships (past and present)

- Member of the Middle Eastern Cancer Concoortium (**MECC**) (2010-)
- Member of the International Association of the Medicinal Plants (**GA**) (1979-)
- Member of the Jordanian Pharmaceutical Syndicate (from 2001 -)
- Member of the Jordan FDA (**JFDA**) Committee for Medicinal Plants and Natural Products (2008 -)
- Member of the Technical Accreditation Committee of the Ministry of Higher education and Scientific Research (2004 -2010)
- Member of the Accreditation Committees of the Private Faculties of Pharmacy (1996, 2000, 2008, 2009, 2010)
- Member of the Advisory Editorial Board of **International Journal of Life Science and Medical Reviews** (2011-)
- Member of the Editorial Board of **Jordan Journal of Pharmaceutical Sciences** (2007-)
- Member of the Editorial Board of **Pharmacy Times Middle East Edition** (2006-)
- Member of the Editorial Board of **The Open Complementary Medicine** (2008-)
- Member of the Editorial Board of **Arab Journal of Pharmaceutical Sciences** (1992-2002)
- Member of the Editorial Board of **Pakistani Journal of Pharmaceutical Sciences** Sciences(1996-)
- Member of the Editorial Board of **Pharmaceutical Journal of the University Musul** (1996-2006)
- Member of the Editorial Board of **Dirasat** (1994-1998)
- Member of the Arbitration Committee of "The El-Hassan Bin Talal Award for Academic Excellence" (2000)

- Chairperson and Organizing Committee member of several International and local conferences and scientific days in the University of Jordan
- Chair and member of various scientific committees at the University and Faculty of Pharmacy level (curriculum, tender, library, scientific, student affairs,)
- Chair and member of the Council of the Faculty of Pharmacy, UJ
- Member of the University Council (12 years)
- Member of the Dean's Council (11 years)
- Member of the Rational Use of Drugs Committee of the Ministry of Health (1998-2000)
- Member of the Permanent Committee for Evaluation of Drugs and Pharmaceutical Preparations from Medicinal Plants (1990-2002)
- Chair of the Executive Committee of the Association of Colleges of Pharmacy in the Arab World (2001)
- Member of the Executive Committee of the Association of Colleges of Pharmacy in the Arab World (1991-2002)

Publications

A- Chapter in Books

1-Afifi, F. U. Hajou R. M. and Battah A. H. : "**Medicinal plants, pesticide residues and analysis**" in: "*Handbook of Pesticides: Methods of Pesticide Residues Analysis*" (Editors: Leo M. L. Nollet and Hamir S. Rathore) (1st Edition) CRC Press, USA; 2009 (Print ISBN 978-1-4200-8245-6), pp. 401-434.

2-Afifi F. U., Al-Gabbiesh A. H., Hassawi D. S. : "**Essential oil production from the callus of threatened *Iris* species of Jordan**" in: "*Floriculture, Ornamental and Plant Biotechnology: advances and topical issues*" (Editor: Teixeira da Silva J.A.). Vol.5 (1st Edition). Global Science Books, Isleworth, UK, pp 227-233 (Print ISBN 978-4-903313-12-2), May, 2008.

B- Scientific Journals

1-Afifi F. U. and Abu Dahab R.: Phytochemical screening and biological activities of *Eminium spiculatum* (Blume) Kuntze (Family Araceae). **Natural Product Research**, accepted (2011).

2-Abbudi A. and **Afifi F.U.**:Plants used for the treatment of diabetes in Jordan: A review of scientific evidence. **Pharmaceutical Biology**, 49(3), 221-239 (2011).

3-**Afifi-Yazar F.U.**, Kasabri V. and Abu-Dahab R. Medicinal plants from Jordan in the treatment of cancer: Traditional uses vs. *in vitro* and *in vivo* evaluations. **Planta Medica**, accepted (2011).

4-Kasabri V. **Afifi F. U.** and Hamdan I. *In vitro* and *in vivo* acute antihyperglycemic effects of five selected indigenous plants from Jordan used in traditional medicine **Journal of Ethnopharmacology**, 133, 888-896 (2011).

5-Kasabri V., **Afifi F. U.** and Hamdan I.: Evaluation of the acute antihyperglycemic effects of four selected indigenous plants from Jordan used in traditional medicine. **Pharmaceutical Biology**, accepted (2010).

6-Al Jaber H. I., Al-Qudah M. A. M., Barhoumi L., Abaza I. F. and **Afifi F. U.** Essential oil composition of the aerial parts of fresh and air-dried *Salvia palaestina* Benth. (Lamiaceae) growing wild in Jordan. **Natural Products Communications**, accepted (2010).

7-Al-Bakri A., Othman G. and **Afifi F. U.**: Determination of the antibiofilm, antiadhesive and anti-MRSA activities of seven *Salvia* species. **Pharmacognosy Magazine**, 6(24), 264-270 (2010). Elsevier

8- Wazaify M., **Afifi F. U.**, El-Khateeb M. and Ajlouni K.: Complementary and alternative medicine use among Jordanian patients with diabetes. **Complementary Therapies in Clinical Practice**, accepted (2010).

9-Al-Kalalkeh, J. Z., Abu-Dahab R. and **Afifi F. U.**: Volatile oil composition and antiproliferative activity of *Laurus nobilis*, *Origanum syriacum*, *Origanum vulgare* and *Salvia triloba* against human breast adenocarcinoma cells. **Nutrition Research**, 30(4), 271-278 (2010). Elsevier

10- **Afifi F. U.**, Wazaify M., Jabr M. and Treish E. The use of herbal preparations as complementary and alternative medicine (CAM) in a sample of patients with cancer in Jordan. **Complementary Therapies in Clinical Practice**, 16(4), 208-212 (2010). Elsevier

11- Hamdan I. I. and **Afifi F. U.**: Capillary electrophoresis as a screening tool for alpha amylase inhibitors in plant extracts. **Saudi Pharmaceutical Journal**, 18(2), 91-95 (2010).

- 12-Al-Essa M. K., Shafagoj Y. A., Mohammed F. I. and **Afifi F. U.** : Relaxant effect of ethanol extract of *Carum carvi* on dispersed smooth muscle cells of the guinea pig. **Pharmaceutical Biology**, 48(1), 76-80 (2010).
- 13- **Afifi F. U.**, Abu –Irmaileh B. E. and. Al-Noubani R. A.:Comparative Analysis of the essential oils of *Teucrium polium* L. Grown in Different Arid & Semi Arid Habitats in Jordan. **Jordan Journal of Pharmaceutical Sciences**, 2(1), 42-52 (2009).
- 14-Hamdan I. I. and **Afifi F. U.**: Screening of some plants of the Jordanian flora for α -amylase inhibitory activity. **Pharmaceutical Biology**, 46(11), 746-750 (2008).
- 15- Issa R. A., **Afifi F. U.** and Amro B.: Studying the Antityrosinase Effect of *Arbutus andrachne* L. Extracts. **International Journal of Cosmetic Sciences**, 30, 271-276 (2008).
- 16- Abu-Dahab R. and **Afifi F. U.** : Aniproliferative activity of selected medicinal plants of Jordan against a breast adenocarcinoma cell line (MCF7). **Scienta Pharmaceutica**, 75, 121-136 (2007).
- 17- Abu Hamad A., **Afifi F.** and Taha M. Combining Docking, Scoring and Molecular Field Analyses To Probe Influenza Neuraminidase-Ligand Interactions **Journal of Molecular Graphics and Modelling**, 26(2), 443-456 (2007).
- 18-Hajou R., **Afifi F. U.** and Battah A.: Multiresidue pesticide analysis of the medicinal plant *Origanum syriacum*. **Food Additives and Contaminants**, 24(3), 274-279 (2007).
- 19- Shahadeh M. and **Afifi F. U.** : Platelet aggregation inhibitors from aerial parts of *Ruta chalepensis* grown in Jordan. **Integrative Medicin Insights**, 2, 35-39 (2007).
- 20- Gabbiesh A. H., Hassawi D. S., Taha M. and **Afifi F. U.**: Effect of increasing concentration of quinine on the volatile compounds in cultured tissues of *Iris atrofusca* Baker and *Iris petrana* Dinsmore **Biotechnology**, 6(2), 218-224 (2007).
- 21- Al-Essa M. K., Faysal I. Mohammed F. I. , Shafagoj Y. A. and **Afifi F. U.** Studies on the direct effects of the alcoholic extract of *Tilia cordata* Miller (Tiliaceae) on dispersed intestinal smooth muscle cells of guinea pig. **Pharmaceutical Biology**, 45(3), 246-250 (2007).
- 22- Khalil, E., **Afifi F. U.** and Husseini, M. Evaluation of the Wound Healing Effect of Some Jordanian Traditional Medicinal Plants Formulated in Pluronic F127 Using Mice (*Mus musculus*). **Journal of Ethnopharmacology**, 109, 104-112 (2007).

- 23- Al-Bakri, A. G. and **Afifi F. U.** : Evaluation of antimicrobial activity of selected plant extracts by rapid XTT colorimetry and bacterial enumeration. **Jornal of Microbiological Methods**, 68, 19-25 (2007).
- 24- Al-Gabbiesh A., Hassawi D. S. and **Afifi F. U.** Determination of genetic diversity among *Iris* species using random amplified polymorphic DNA analysis. **Biotechnology**, 5(2), 173-179 (2006).
- 25- Al-Noubani, R., Abu-Irmaileh, B. and **Afifi, F. U.** Folk Utilization of Medicinal Herbs among Rural Population in Wadi Mujib – Jordan. **Jordan Medical Journal**, 40(4), 232-249 (2006).
- 26- Al-Gabbiesh A. H., Hassawi D. S. and **Afifi F. U.**: *In vitro* propagation of endangered *Iris* species. **Journal of Biological Sciences** 6(6), 1035-1040 (2006).
- 27- Mohammed F. I., Al-Essa M. K., Shafagoj Y. A. and **Afifi F. U.** :Investigation of the direct effects of the alcoholic extract of *Elaeagnus angustifolia* L. (Elaeagnaceae) on dispersed intestinal smooth muscle cells of guinea pig. **Scientia Pharmaceutica**, 74, 21-30 (2006).
- 28- Hajou R., **Afifi F. U.** and Battah A.: Determination of multi-pesticide residues in *Mentha piperita*. **Pharmaceutical Biology**, 43(6), 554-562 (2005).
- 29- **Afifi F. U.**, Al-Khalidi B. and Khalil E. : Studies on the *invivo* hypoglycemic activities of two medicinal plants used in the treatment of diabetes in Jordanian traditional medicine following intranasal administration. **Journal of Ethnopharmacology**, 100(3), 314-318 (2005).
- 30- Abu-Hamdeh S., **Afifi F. U.**, Shehadeh M. and Khalid S. : Simple quality control procedures for selected medicinal plants commonly used in Jordan. **Pharmaceutical Biology**, 43(1), 1-7 (2005).
- 31- **Afifi F. U.** and Aburjai T. : Antiplatelet activities of *Varthemia iphionoides*. **Fitoterapia**, 75, 629-633 (2004).
- 32- Hamdan Imad I. and **Afifi F. U.** : Studies on the *in vitro* and *in vivo* Hypoglycemic Activities of some Medicinal Plants Used in The Treatment of Diabetes in Jordanian Traditional Medicine. **Journal of Ethnopharmacology**, 93, 117-121 (2004).
- 33- Hamdan I. I., Taha M. O. and **Afifi F. U.** : *In vitro* alpha amylase inhibitory effect of some clinically-used drugs. **Die Pharmazie**, 59, 799-801 (2004).

- 34- Hajou R., **Afifi F. U.** and Battah A. : Determination of multi-pesticide residues in *Pimpinella anisum* using two different AOAC methods. **Food Chemistry**, 88,469-478 (2004).
- 35- Rashed A., **Afifi F. U.**, Shaehada M. and Taha M. O. : Investigation of the Active Constituents of *Portulaca oleraceae* L. (Portulacaceae) Growing in Jordan. **Pakistan Journal of Pharmaceutical Sciences**, 17(1), 37-45 (2004).
- 36- Abu Soud R. S., Hamdan I. I. and **Afifi F. U.** : Alpha amylase inhibitory activity of some plant extracts with hypoglycemic activity. **Scientia Pharmaceutica**, 72, 25-33 (2004).
- 37- Abu Irmaileh B. and **Afifi F. U.** : Preliminary Evaluation of Medicinal Plant Mixtures Available in the Jordanian Market. **Arabian Gulf Journal**, 21(2), 124-133 (2003).
- 38- Rashed A. N., **Afifi F. U.** and Disi A. : Simple Evaluation of the Wound Healing Activity of a Crude Extract of *Portulaca oleraceae* L. (Growing in Jordan) in *Mus musculus* JV-1. **Journal of Ethnopharmacology**, 88, 131-136 (2003).
- 39- Abu-Irmaileh B. and **Afifi F. U.** : Herbal Medicine in Jordan with Special Emphasis on Commonly Used Herbs. **Journal of Ethnopharmacology**, 89(2-3), 193-197 (2003).
- 40- Abu Irmalah B. and **Afifi F.** : واقع التداوي بالنباتات الطبية في الاردن. **Dirasat** 1(27), 53-74 (2000).
- 41- **Afifi F.** and Abu Irmalah B. : Herbal Medicine in Jordan With Special Emphasis on Less Commonly Used Medicinal Herbs. **Journal of Ethnopharmacology**, 72, 101-110 (2000).
- 42- **Afifi, F. U.** , Khalil, E. and Abdalla, S. : Effect of isorientin isolated from *Arum palaestinum* on uterine smooth muscle of rats and guinea pigs. **Journal of Ethnopharmacology**, 65, 173 - 177 (1999).
- 43- **Afifi, F. U.** : Role of the plant originated crude drugs in management of some common diseases in Jordan. **Proceedings of XIIth International Symposium on Plant Originated Crude Drugs**, Edited by I. Calis, T. Ersoz and A. A. Basaran pp.68 - 76 (1999).
- 44- Shervington, A., Shervington, L. A., **Afifi, F.** and El-Omari, M. A. : Caffeine and Theobromine Formation by Tissue Cultures of *Camellia sinensis*. **Phytochemistry**, 47 (8), 1535 - 1536 (1998).

- 45- **Afifi F. U.**, Saket M. and Jaghabir M.: Hypoglycemic Effect of Linalool in Normal and Streptozotocin Diabetic Rats. **Acta Technologiae et Legis Medicamenti**, IX,N.2, 101-165, (1997).
- 46- **Afifi F. U.**, Shervington A. and Darwish R.: Phytochemical and Biological Evaluation of *Arum palaestinum*. Part 1: Flavone C-glycosides. **Acta Technologiae et Legis Medicamenti**, VIII (2), 105 - 111 (1997).
- 47- Darwish R. M., **Afifi F. U.** and Shervington A.: Comparison of the Antimicrobial Activity of Two Different Extracts of Jordanian Plants: A Preliminary Study. **Alexandria Journal of Pharmaceutical Sciences**, 11 (2), 75 - 77 (1997).
- 48- Shervington A., Darwish R. and **Afifi F.**: Volatile Oil Produced by Microbial Infected *Rosmarinus officinalis* Callus and Suspension Cultures. **Alexandria Journal of Pharmaceutical Sciences**, 11 (2), 81 - 84 (1997).
- 49- **Afifi F.**, Saket M., Jaghabir M. and Al-Eisawi D. : Effect of *Varthemia iphionoides* on Blood Glucose Level of Normal and Streptozotocin-Induced Diabetic Rats. **Current Therapeutic Research**, 58 (11), 888 - 892 (1997).
- 50- **Afifi F. U.**, Khalil E., Tamimi S. O. and Disi A.: Evaluation of the gastro-protective effect of *Laurus nobilis* seeds on ethanol induced gastric ulcer in rats. **Journal of Ethnopharmacology**, 58, 9 -14 (1997).
- 51- **Afifi F. U.**, Tamimi S. O., Khalil E. and Disi A. : Effect of the Aqueous Extract of *Laurus nobilis* Seeds on Ethanol- induced Gastric Ulcer in Rats. **Alexandria Journal of Pharmaceutical Sciences**, 11 (3), 127 - 129 (1997).
- 52- **Afifi F. U.**, Saket M. M., Jaghabir M. W. and Disi M. D.: Antagonistic Effect of an Aqueous Root Extract of *Eryngium creticum* on the Hyperglycemic Response Caused by *Cerastes cerastes* Envenomation in Rats. **Alexandria Journal of Pharmaceutical Sciences**, 10 (3), 195 - 199 (1996).
- 53- **Afifi F.U.**: Hypoglycemic Effects of *Prosopis fracta*. **International Journal of Pharmacognosy**, 31 (2), 161 - 164 (1993).
- 54- Aqel M., Al-Khalil S. and **Afifi F.**: The Relaxing Effect of *Ferula ovina* Extact on Uterine Smooth Muscle of Rat and Guinea Pig. **International Journal of Pharmacognosy**, 30 (1), 76 - 80 (1992).
- 55- Lahloub M. F., **Afifi-Yazar F.U.** and El-Khayaat S. A. A.: A New Iridoid Glucoside from *Veronica hederifolia L.* **Al - Azhar Journal of Pharmaceutical Sciences**, 9, 145 - 153 (1992).

- 56- **Afifi, F. U.** : Flavonoids from *Varthemia ipionoides*. **Alexandria Journal of Pharmaceutical Sciences**, 2, 185- 189 (1991)
- 57- Al-Khalil S., **Afifi F.U.** and Aqel M.: The Relaxing Effect of an Aqueous Extract of *Glaucium arabicum* on Uterine Smooth Muscle of Rat and Guinea Pig. **International Journal of Pharmacognosy**, 29 (4), 241 - 244 (1991).
- 58- Aqel, M., Al-Khalil, S., **Afifi, F.** and Al-Eisawi, D. : Effects of Aqueous Extract of *Glaucium arabicum* on Smooth Muscles of Rabbit and Guinea-Pig. **International Journal of Pharmacognosy**, 29 (1), 2 - 8 (1991).
- 59- Abdalla, S., Al-Khalil, S. and **Afifi, F.** : Observations on the Pharmacology of Thalictminine, an Oxyaporphine Alkaloid from *Thalictrum isopyroides*. **General Pharmacology** 22, 253 - 357 (1991).
- 60- **Afifi, F. U.**, Al-Khalil, S., Mahasneh, A., Al-Eisawi, D., Abdul-Haq, B. K. Sharaf, M., Wong, L. K. and Schiff Jr., P. L. : Antifungal Active Flavonoids from *Varthemia iphionoides*. **Phytotherapy Research**, 5, 173 - 175 (1991).
- 61- Aqel, M., Al-Khalil, S., **Afifi, F.** and Al-Eisawi, D. : Relaxant Effects of *Ferula sinaica* Root Extract on Rabbit and Guinea-Pig Smooth Muscle. **Journal of Ethnopharmacology**, 31, 373 - 381 (1991).
- 62- **Afifi, F.**, Al-Khalil, S. and Aqel, M. : Effects of Kumatakenin, Jaceidine and Xanthomicrol on Isolated Smooth Muscle of Rabbits. **Dirasat**, XVII (3), 176 -184 (1990).
- 63- Al-Khalil, S., Aqel, M., **Afifi, F.** and Al-Eisawi, D. : Effects of an Aqueous Extract of *Ferula ovina* on Rabbit and Guinea-Pig Smooth Muscle. **Journal of Ethnopharmacology**, 30, 35 - 42 (1990).
- 64- Aqel, M. B., Al-Khalil, S. and **Afifi, F.** : Effects of a *Ferula sinaica* Root Extract on the Uterine Smooth Muscle of Rat and Guinea-Pig. **Journal of Ethnopharmacology**, 31, 291 - 297 (1990).
- 65- **Afifi F.**, Al-Khalil, S., Aqel, M., Al-Muhteseb, M. H., Jaghabir, M., Saket, M. and Muheid, A. : Antagonistic Effect of *Eryngium creticum* Extract on Scorpion Venom *in vitro*. **Journal of Ethnopharmacology**, 29, 43- 49 (1990).
- 66- Al-Khalil, S., **Afifi, F.** and Mahasneh, A. : Antimicrobial Activity of Some Alkaloids and Alkaloid Derivatives Isolated from Jordanian *Thalictrum isopyroides*. **Journal of Biological Sciences Research**, (1989).

- 67- Abdalla, S., Abu Zarga, M., **Afifi, F.**, Al-Khalil, S., Mahasneh, A and Sabri, S. : Effects of 3, 3' -Di-O-methylquercetin on Guinea-Pig Isolated Smooth Muscle. **Journal of Pharmacy and Pharmacology**, 41, 138 - 141 (1989).
- 68- Jaghabir, M., Saket, M., **Afifi, F.**, Al-Khalil, S. and Muheid, A. : Potency of a Jordanian *Leiurus quinquestrius* Scorpion Venom and the Effect of *Eryngium creticum* on this Potency. **Dirasat**, XVI (4), 172 - 178 (1989).
- 69- Abdalla, S., Abu Zarga, M., **Afifi, F.**, Al-Khalil, S. and Sabri, S. : Effects of Hispidulin, a Flavone Isolated from *Inula viscosa*, on Isolated Guinea-Pig Smooth Muscle. **General Pharmacology**, 19 (4), 559 -563 (1988).
- 70- **Afifi, F.**, Al-Eisawi, D., Al-Khalil, S. and Schiff Jr.,P. L. : Alkaloids of *Glaucium grandiflorum*. **Journal of Natural Products**, 49 (6), 1166 - 1167 (1986).
- 71- Lahloub, M., **Afifi-Yazar, F. U.**, and Sticher, O. : Acetophenone glycosides from *Veronica* species. **Planta medica**, 45, 159 (1982).
- 72- **Afifi-Yazar, F. U.**, Sticher, O., Ueasato, S., Nagajima, K. and Inouye H. : Ladroside, a new iridoid glycoside From *Veronica officinalis* (Scrophulariaceae) and the elucidation of the absolute configuration at C(8) of Mussaenoside. **Helvetica Chimica Acta**, 64, 16 - 24 (1981).
- 73- Chaudhuri, R. K., **Afifi -Yazar, F. U.** and Sticher, O. :¹³C-NMR spectroscopy of naturally occurring iridoid glucosides and their acetylated derivatives. **Tetrahedron**, 36, 2317 - 2326 (1980).
- 74-**Afifi-Yazar, F. U.** und Sticher, O. : Verproside, a new iridoid from *Veronica officinalis* (Scrophulariaceae). **Helvetica Chimica Acta**, 63, 1905 - 1907 (1980).
- 75-Chaudhuri, R. K., **Afifi-Yazar, F. U.** and Sticher, O. : The Configuration of Naturally Occuring Iridoid Glucosides at C(6) and C(8): A Complementary Assignment Aid by ¹³C-NMR Spectroscopy. **Helvetica Chimica Acta**, 62 (5), 1603 - 1604 (1979).
- 76-Sticher O. und **Afifi-Yazar F. U.**: Minecosid und Verminosid, zwei neue Iridoidglucoside aus *Veronica officinalis* (Scrophulariaceae). **Helvetica Chimica Acta**, 62 (2), 535 - 539 (1979).
- 77-Sticher O. und **Afifi-Yazar F.U.**: Veronicosid, ein neues Iridoidglucosid aus *Veronica officinalis* (Scrophulariaceae). **Helvetica Chimica Acta**, 62 (2), 530 - 534 (1979).

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Posters and Oral Presentations

1-Kasabri V., Afifi F. U. , Abu-Dahab R. Traditional uses and scientific evidence for a selected native medicinal plant from Jordan: a critical evaluation. **1st United Arab Emirate Conference on pure and applied Chemistry (ECPAC)**, Sharjah 1-3/3/2011.

2-Wazaify M., Afifi F.U., El-Khateeb M., Ajlouni K. The use of herbal preparations as Complementary and Alternative Medicine (CAM) in a sample of patients with Diabetes Mellitus in Jordan. **The 3rd Kuwait International Pharmacy Conference**, Kuwait 14-16/2/2011.

3-Abu-Dahab R. and Afifi F.U. **The 3rd Kuwait International Pharmacy Conference**, Kuwait 14-16/2/2011.

4-Afifi F. U., Abu-Dahab R and Kasabri V.Traditional uses and scientific evidence for selected native medicinal plants from Jordan: a critical evaluation. **58th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research**, Berlin 29/8-2/9/2010 (Invited Key Note Lecturer)

5- Afifi F. U., Abu-Dahab R and Kasabri V. Volatile oil composition and antiproliferative activity of two *Origanum* species from Jordan. **11th Eurasia Conference on Chemical Sciences.**, Dead Sea, Jordan, 6-10 October, 2010.

6-Safa S. Daoud, Imad Hamdan and Fatma U. Afifi. Preparation, physicochemical characterization and biological evaluation of some hesperidin metal complexes. **11th Eurasia Conference on Chemical Sciences.**, Dead Sea, Jordan, 6-10 October, 2010.

7-Fatma U. Afifi, Violet Kasabri and Rana Abudahab. Critical evaluation of selected medicinal plants from Jordan for their anti-diabetic activities.**The 2nd International Symposium on Medicinal Plants, Their Cultivation and Aspects of Uses.** Petra, Jordan, 3-4november, 2010 (invited Key Note Lecturer).

8- Afifi F. U., Abu-Dahab R. And Ismail S. ; Screening of Medicinal plants for anticancer activities using MCF7 cell lines. **5th Palestinian Pharmaceutical & 1st Clinical Pharmacy Conference**, AlBira, Palestine 6-8/5/2009.

9-Amro B., Halaseh L. anf Afifi F. U. : Dyeing hair with *Hibiscus sabdariffa* extract and studying the different variables affecting the dyeing process. **25th IFSCC (International Federation of Societies of Cosmetic Chemists) Congress 2008**, Barcelona 6-9/10/2008.

- 10- **Afifi F. U.**, Abu-Dahab R. And Ismail S. ; Medicinal plants and anticancer activities: Experiences from Jordan using MCF7 cell lines. **BIT'S World Cancer Congress 2008**, Shanghai 12-17/6/2008.
- 11-**Afifi-Yazar F. U.** and Abu Dahab R. Comparison of antiproliferative activities of ethanolic plant extracts of the Jordanian flora using MCF7 and A549 cells. **International Congress and 55th Annual Meeting of the Society for Medicinal Plant Research / Gesellschaft für Arzneipflanzenforschung – GA**, Graz, Austria, 2/9-6/9/2007.
- 12-**Afifi-Yazar F.U.** and Shahadeh M. Antiplatelet activity of *Ruta chalepensis* L. (Rutaceae) grown in Jordan. **International Congress and 54th Annual Meeting of the Society for Medicinal Plant Research / Gesellschaft für Arzneipflanzenforschung – GA**, Helsinki, Finland, 29 /8 - 2 /9 2006.
- 13-Issa R., **Afifi F. U.** and Amro B. Screening of *Arbutus andrachne* grown in Jordan for antityrosinase activity. **4th ICNP Symposium**, Leysin (Switzerland), 28-31/5/ 2006.
- 14-Hajou R., **Afifi F. U.** and Battah A. Determination of pesticide residues in commonly used medicinal plants in Jordan. **4th ICNP Symposium**, Leysin (Switzerland), 28-31/5/ 2006.
- 15-Halase L., Amro B. and **Afifi F.**: The use of dried flowers and calyxes of *Hibiscus sabdariffa* as a hair dye. **11th Jordanian Pharmaceutical Conference**, Amman, 28-30/2005.
- 16-Al-Gabbiesh A., Hassawi D. S. and **Afifi F. U.** : *In vitro* propagation of some threatened *Iris* species that grown in Jordan. **Fifth Agriculture Scientific Conference**, Salt, 9-12/5/2005.
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- 20-**Afifi F. U.** and Abu-Irmaileh B. E. : From Traditional Medicine to Phytotherapy. **The Arab Conference on Medicinal Plants**, Manama (Kingdom of Bahrain), 13-15/5/2002
- 21-Abu-Hamdah S., **Afifi F. U.** and Sheahadeh M. : Pharmacognostical and Phytochemical Identification of Selected Medicinal Plants Commonly Used in

Jordan. **The 5th Scientific Congress of the Association of the Colleges of Pharmacy in the Arab World**, Amman (Jordan), 16-18 October, 2001.

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26- Afifi F. U. : Clinical Pharmacy in Jordan : Trend or Necessity. **The Second International Clinical Pharmacy Conference : Opportunities and Challenges**, Amman (Jordan), 21 –22 April, 1999.

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30-Abu-Irmaileh B. and **Afifi F. U.** : Status of Selling Medicinal and Herbal Plant Materials in Jordan. **Promotion and Preservation of Medicinal&Herbal Plants, Workshop on Medicinal and Herbal Plants in Jordan, National Center for Agricultural Research and Technology Transfer (NCARTT)**, Amman, 28/6/1998.

31-Afifi F. U. and Khalil E. : Gastroprotective and Antiulcerogenic Effects of *Laurus nobilis* Seeds. **The Third Palestinian Pharmaceutical Conference**, Bir Zeit (Palestine), 5 – 7 August, 1998.

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39- Afifi F. U. : Biosynthesis, Chemistry and SAR of Corticosteroids. **The Third Jordanian Pharmacists' Conference**, Amman 8-10/4/1986.