



Prof. Talal Ahmad Aburjai

BSc, MSc, PhD Pharmacy

Professor of Phytochemistry and Natural Products Analysis and Chemistry
Department of Pharmaceutical Sciences,

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Dean, Faculty of Pharmacy, University of Jordan

Member of board of trustees, Philadelphia University

Member of board of trustees, Center of Excellence for Pharmaceutical Preparations

Member of board of trustees, Jordan university Hospital

Member of Supreme Committee of Food and Drug-JFDA (2010-2014)

Chairman of the Strategic Committee (Faculty of Pharmacy, 2013-2018)

Chairman of the Executive Committee of the Society of Faculties of Pharmacy in the Arab World

Chairperson of Herbal and Natural Products Committee, JFDA

Founder and Principle of the Jordanian Society of Palliative Therapy

Chair of Pharmacy Sector, Jordan Society of Scientific Research (JSSR)

Chair of Pharmacy Section, Higher Education and Accreditation Commission

Member of Executive committee MeTA (Medicine Transparency Alliance)-JFDA, MoH, WHO

SUMMARY OF PROFESSIONAL QUALIFICATIONS

- *Organizational and Strategic Planning*
- *Management Coaching*
- *Extensive background in staff recruitment and retention*
- *Staff training and development*
- *Superb written and oral communication skills*

ADMINISTRATIVE ACTIVITIES

- Dean, Faculty of Pharmacy, The University of Jordan, Amman-Jordan (2010- tell now)
- Dean, Faculty of Pharmacy, Applied Science University, Amman-Jordan (2007-2009).
- Dean, Faculty of Allied Sciences, Applied Science University, Amman-Jordan (2007-2008).
- Chair of Department of Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, Amman, Jordan (1997-2003).
- Chair of Department Council (1997-2012).
- Chair of Faculty Council (1997-2003, 2006-2009, 2010-).
- Chair of Postgraduate Committee (1999-2009).

Main Responsibilities:

- Leading the staff member of the faculty
- Leading and supervise the administrative team (Teaching assistant, clarets, secretarial team)
- Preparation of curriculum and controlling its application from the different parties
- Develop a budget for the administration of the Faculty which conforms to University practices.
- Responsible for ensuring that the budget is expended in keeping with the general objectives towards which the budget was developed.
- Create an environment oriented to trust, open communication, creative thinking, and cohesive team effort
- Provide the team with a vision of the faculty objectives
- Motivate and inspire staff and administrative group
- Coach and help students; help resolve dysfunctional behavior
- Intervene when necessary to aid the student in resolving issues
- Assure that the faculty members have the necessary education and training to effectively participate on the team
- Encourage creativity, risk-taking, and constant improvement
- Foster and encourage research within the Faculty

NATIONWIDE ACTIVITIES and CONSULTATION

1. **Team Leader of the project.** Conservation of Medicinal and Herbal Plants in Jordan, the National Center for Agriculture Research Technology Transfer (**NCARTT**), Ministry of Agriculture, Jordan: (Consultant)
 - Variability of Essential Oils Content and Composition in Wild Accessions of Jordanian Majoran (*Origanum Syriacum*), 1998 - 1999.
 - Effect of Different Shading Regimes on Herbage Yield and Essential Oil Content of Cultivated Oregano, 1999 - 2000.
 - Influence of Different Environmental and Agricultural Management Conditions on Flavor Ingredients in Cultivated Melissa (*Melissa officinalis*) and Rossel Tea (*Hibiscus sabdarifa*), 1999 - 2000.
2. **Team Leader of the project.** Development of Medicinal Herbal Plants in Jordan as an Integrated Sector, the Royal society for the Conservation of Nature (RSCN):
 - Medicinal Plants Inventory, Ethnopharmacological and Pharmacognostical Studies, 2001-2002.
3. Sukhtian housholding and Toiletries Mfg. Company, Faculty for Factory (FFF) program, 2003.
4. **Team Leader of the project.** Discovery of new drugs from Jordanian Plants. Higher Council for Science and Technology, Jordan, 2004-2007.
5. **Team Leader of the project.** Evaluation of the fungicidal and nematicidal activities of *Inula viscosa* and *Ranunculus asiaticus* against certain soil borne plant pathogenic fungi and parasitic nematodes. National Center for Agriculture Research Technology Transfer (**NCARTT**), Ministry of Agriculture, Jordan, 2005.
6. Conservation of Medicinal and Herbal Plants of Jordan. A botanical Survey of Wild Medicinal and Aromatic Plants In Mujib Nature Reserve and Surrounding area. Ministry of Planning and International Cooperation-Royal Society for Conservation of Nature (**RSCN**), 2005.
7. Workshop on "Volatile oils in Mujeb Reserve plants". Training course for locals and staff of Mujeb Reserve. April, 2008.
8. Workshop on "Volatile oils in Mujeb Reserve plants". Training course for Ministry of Education staff in South of Jordan. April, 2008.
9. **Team Leader of the project.** Ministry of Education. National Team of Introducing the concept of medicinal Plants in Students courses from grade 1 to grade 12. 2008.

10. **Team Leader of the project.** Natural Iron chelating agent for thalassemic patient's alternative to deferoxamine. Supported by Ministry of Higher education. 134.000 JD (2009-2013)
11. **Team Leader of the project.** Development of more than 6 drugs. These drugs based on Jordanian natural flora and all of them are launched in the market.

GENERAL INFORMATION

Date of Birth : Aug. 05, 1964
Place of Birth : Irbid - Jordan.
Nationality : Jordanian
Marital Status : Married, with two Childs

EDUCATION

1. Post Doctorate, Department of Pharmaceutical sciences, Faculty of Pharmacy, University of Kentucky, Lexington, KY. USA (2004).
2. Ph.D. in Pharmacy (Phytochemistry and Natural Product Analysis), December 1996, Milan University, Milan, Italy.
3. MSc. In Pharmacy (Plant Biotechnology and Pharmaceutical analysis), December 1993, Milan University, Milan, Italy.
4. B.Sc. in Pharmacy (Pharmacy and Pharmaceutical Chemistry), 1988, Faculty of Pharmacy, Damascus University, Syria.

LANGUAGES

Arabic: Mother Tongue
English : Very good
Italian: Very good
French: Fair

AREAS OF SPECLALIZATON

- Pharmaceutical Analysis
- Ethno pharmacology
- Phytochemistry, Pharmacognosy and Natural Product Analysis.
- Pharmacological Activities and Toxicity of Medicinal Plants.
- Biosynthesis and Biotransformation Studies on Plant Cell and Tissue Cultures.
- Plant Biotechnology.
- Natural Products Quality Control
- Instrumental Analysis (HPLC, IR, UV, NMR, MS)
- CAM therapy

TITLE OF Ph.D. THESIS

- Secondary metabolites from Plant Origin and their biological evaluation.

PRESENT POSITION

- Professor, Department of Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, Amman-Jordan.

ACADEMIC APPOINTMENTS

- *6/11/2006-*
Professor, Department of Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, Amman, Jordan.
- *1/7/2004 – 1/10/2004*
Visiting Professor, Department of Pharmaceutical Sciences, Faculty of Pharmacy, University of Kentucky, Lexington USA (Prof. Peter A. Crooks Group).
- *1/9/2003 – 1/7/2004*
Sabbatical Year, Department of Pharmaceutical Sciences, Faculty of Pharmacy, Amman Alahlia University, Amman, Jordan.
- *16/2/2002 – 5/11/2006*
Associate Professor, Department of Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, Amman, Jordan.
- *16/2/1997 – 15/2/2002*
Assistant Professor, Department of Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, Amman, Jordan.
- *15/3/1996 - 25/12/1996*
Teaching Assistant, Department of Organic Chemistry and Industrial Chemistry, Milan University, Milan, Italy.
- *2/12/1991 - 22/11/1992*
Teaching and Research Assistant, Department of Phytochemistry and Pharmacognosy, Faculty of Pharmacy, University of Jordan, Amman, Jordan.

ADMINISTRATIVE ACTIVITIES

- Dean, Faculty of Pharmacy, University of Jordan (2010- till now)
- Dean, Faculty of Pharmacy, Applied Science University, Amman-Jordan (2007-2008)
- Dean, Faculty of Allied Sciences, Applied Science University, Amman-Jordan (2007-2008).
- Chairman of Department of Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, Amman, Jordan (1997-2003).
- Member of Department Council (1997-2009).
- Member of Faculty Council (1997-2003, 2006-2009).
- Member of Postgraduate Committee (1999-2009).

OTHER ACTIVITIES

- Member of JFDA higher committee for food and drug
- Health Consultant: Hayat FM(104.7)
- Consultant: Jordan Co. for Dead Sea Products
- Consultant: The Royal Society for Conservation of Nature 2001- tell now
- Consultant: Ministry of Planning-Jordan, Medicinal Plants Project 2004-2006
- Consultant: Sukhtian housholding and Toiletries Mfg. Company 2004
- Consultant: Ozone for Cosmetics and Natural Products Manufacturing 2005-2006
- Consultant: Oxygen for Cosmetics and Natural Products preparations 2005- tell now
- Pharmacist, Community Pharmacy, Amman, Jordan (1988-1991).
- Member of JFDA committee for cosmetic preparations.
- Member of JFDA committee for natural preparations.

TEACHING EXPERIENCES

- *Undergraduate Courses, Faculty of Pharmacy*
 1. Phytochemical analysis, Fourth year students (2 credit hours, major responsibilities).
 2. Clinical Nutrition, Pharm D students (2 credit hours, major responsibilities).
 3. Phytochemical analysis lab., Fourth year students (2 credit hours, major responsibilities).
 4. Instrumental Analysis, Third year students (2 credit hours, major responsibility)
 5. Practical Instrumental Analysis, Third year students (1 credit hour, joint responsibility)
 6. Pharmacognosy Course, Third year students (2 credit hours; major responsibility)
 7. Practical Pharmacognosy, Third year students (1 credit hour, joint responsibility)
 8. Phytochemistry (I) Course, Third year students (3 credit hours, major responsibility).
 9. Practical Phytochemistry (I) Course, Third year students (1 credit hour, joint responsibility)
 10. Phytochemistry (II) Course, Fourth year students (3 credit hours, major responsibility)
 11. Pharmacy Legislation, Fifth year students (1 credit hour, major responsibility)
 12. Toxic, Hallucinogenic and Allergenic Plants, Fifth year students (2 credit hours, major responsibility)
 13. Selected topics in Phytochemistry, Fifth year students (2 credit hours, major responsibility)
 14. Under Graduate seminar in Pharmaceutical Sciences (1 credit hour, major responsibility).
 15. Phytochemical Analysis Course, Fourth year students (2 credit hours, major responsibility).

- **Postgraduate Courses**

1. Pharmaceutical Technology, Faculty of Pharmacy, **PhD** (3 credit hours, major responsibility).
2. Natural Products Chemistry, Faculty of Pharmacy, **MSc** (3 credit hours, major responsibility).
3. Natural Products Chemistry Practical, Faculty of Pharmacy, **MSc** (1 credit hours, major responsibility).
4. Phytotherapy, Faculty of Pharmacy, **MSc** (3 credit hours, major responsibility).
5. Medicinal Natural Products, Faculty of Pharmacy, **PhD** (3 credit hours, major responsibility).
6. Spectroscopy, Faculty of Pharmacy, **PhD** (3 credit hours, major responsibility).
7. Interpretation in Toxicology, **MSc** (3 credit hours, joint responsibility).
For MSc Students in Toxicology, Department of Pathology, Microbiology and Forensic Medicine, Faculty of Medicine
8. Method Development in Toxicology, **MSc** (3 credit hours, joint responsibility). For MSc Students in Toxicology, Department of Pathology, Microbiology and Forensic Medicine, Faculty of Medicine
9. Food-drug Interaction. **MSc** (3 credit hours, Main responsibility).
Department of Nutrition, Faculty of Agriculture.

PhD STUDENTS SUPERVISION

1. "**Ex-situ Cultivation of Wild Jordanian *Hypericum* Species: Quantifying Hypericin Content in Response to Fertilization**", Mohammed Alrfaie, Faculty of Agriculture, University of Jordan, Starting February 2005-2008.
2. "**Melissa officinalis and Rosmarinus officinalis acting at GABA receptors**" University of Sydney, Australia. Abeer Bargouthi. April 2007-2011.
3. "**In-Vitro and In-Vivo Evaluation of Synthetic Triazoloquinolone Derivatives Against *Helicobacter pylori*** ", Mohammad K. Abu Sini. Faculty of Science, University of Jordan, Jordan. 2011-

MSc STUDENTS SUPERVISION

1. "**Investigation of Chemical Constituents and Antimicrobial Activity in *Ferula harmonis* F. Root** ", M. AL-Shae'r, Faculty of Pharmacy, University of Jordan, graduated May 2000.

2. **"The Antioxidant Properties of Selected Medicinal Plants on Erythrocytes"** Sana Sobuh. Faculty of Science, University of Jordan, graduated May, 2002.
4. **"The Effect of *Brassica olearacea* on the Pharmacokinetics of Ciprofloxacin in an Animal Model"**, Amani. Saa'deh, Faculty of Pharmacy, University of Jordan, graduated July, 2003.
5. **"Platelet aggregation Inhibition Effect of The Aerial Parts of *Gundelia tounnifortii*"**, S. AL-Halabi, Faculty of Medicine, University of Jordan, graduated November 2004.
6. **"The effect of *Apium graveolens* seeds on fertility of male albino rat"**, Ola Sanabra, Faculty of Science, University of Jordan, graduated April 2007.
7. **"Effect of Thujone and Myrecene on diabetes mellitus in albino rats "**, Sumia Al-Omari, Faculty of Science, University of Jordan, graduated April 2007
8. **"The anti-inflammatory activity of the leave extracts of *Urtica pilulifera* on albino rats"**, Suha Abudoleh, Faculty of Science, University of Jordan, graduated April 2007
9. **"Anti-inflammatory activity of Jordanian *Silybum marianum* on albino rats"**, Yara Malakha, Faculty of Science, University of Jordan, Starting November 2004.
10. **"Evaluation of *Mercurialis annua* extracts on skin wound healing of albino mice"**, Asma Frajeen, Faculty of Science, University of Jordan, graduated May 2007.
11. **"Experimental Validation of Ethnopharmacological Data Obtained Via ICF and UV for Some Antimicrobial Jordanian Medicinal Plants and Chemical Evaluation of the Active Volatile Oils"**, Reem A. Darhalli, Faculty of Pharmacy, University of Jordan. April 2007.
12. **"The Immunomodulatory Properties of Some Wild and Cultivated Jordanian Plants Containing Parthenolide"**, M. Ayman Salqini. Faculty of Pharmacy, University of Jordan. April 2007.
13. **"Hypoglycemic Activity of Volatile oils constituents"**, A. Hanan, Faculty of Science, University of Jordan, August 2007.
14. **"SAR of some volatile oils constituents on diabetes mellitus"**, Ayman Alqenna, Faculty of Pharmacy, University of Jordan. August 2007.
15. **"Burn Healing Activity of *Mercurialis annua* Extract on albino mice"**, M. Maysa, Faculty of Pharmacy, University of Jordan. August 2007.

16. **“ The effect of Artemisia herba alba on the fertility of diabetic rats”**
Issa A. Hmoud, Faculty of Science, Al-Albait University, May 2008.
17. **“Wound healing properties of Alkanna strigosa”**, Reem Issa, Faculty of Pharmacy, University of Jordan. May, 2007-2009.
18. **"Wound healing properties of Northen Badia plants"** Ali Sarhan
Faculty of Science, Al-Albait University, May 2007-2009.
19. **"Burns and wound healing activity of Urtica pilulifera on Albino rats"**
Halima BuSaid, Faculty of Science, Department of Biological Sciences,
University of Jordan, 2007-229.
20. **" Hepatoprotective activity of some Jordanian plants"** Ahmad Saed,
Faculty of Science, Al-Albait University, May 2007-2009.
21. **Active Constituents and antidiabetic properties of Sarcopoterium spinosum.** Lubna Huzaifa, Damascus university, Syria. 2010.
22. **Phytochemical investigation of Solanum nigrum grown in Libia.** Iman Owne. Al-Fateh University, Tripoli, Libya. 2010.

MSc STUDENTS EXAMINAR

1. **“Stability of Lamotrigine and Fluoxetine in Plasma”** Ibrahim. A.Binsumait, Faculty of Medicine, University of Jordan, May 2000.
2. **“Pharmacognostical and Phytochemical Identification of Selected Medicinal Plants Commonly Used in Jordan”** Sawsan Abu- Hamdah, Faculty of Pharmacy, University of Jordan, May 2001.
3. **“The Effect of Formulation Factors on Thiomersal Activity against Pseudomonas aeruginosa and Staphylococcus aureus”.** “Ali Abu-Kaddom, Faculty of Pharmacy, University of Jordan, January 2002.
4. **"Development and Evaluation of Analytical Methods for Detection and Rapid Screening for alpha Amylase Inhibitors in Natural Products: Application to Commonly Used Plants "** Rawand S. Abu Soud, Faculty of Pharmacy, University of Jordan, May 2002.
5. **"Impact of Microwave Processing on Properties of Solid Drug Delivery Systems”** Rani J. Qasem, Faculty of Pharmacy, University of Jordan, July 2002.
6. **"Determination of Some Pesticide Residues in Selected Medicinal Plants Commonly Used in Jordan”** Reema M. Hajou, Faculty of Pharmacy, University of Jordan, January 2003.

7. **"Phytochemical investigation of Colchicum triphyllum grown in Jordan"** K. Al-Eleimat, Faculty of Pharmacy, Jordan University of Science and Technology, Irbid, Jordan, May 2004.
8. **"Antioxidant activity of some Jordanian edible plants"** Ahmad Rustum, Faculty of Agriculture, University of Jordan, January 2005.
9. **"Phytochemical investigation of Prosopis fracta"** Rania Obeidat, Faculty of Pharmacy, Jordan University of Science and Technology, June 2005.
10. **"Dyeing Hair with Hibiscus sabdariffa Extract and Studying the Different Variables Affecting the Dyeing Process"** Lidia K. Halaseh, Faculty of Pharmacy, University of Jordan, July 2005.
11. **"Studying the Skin Whitening Effects of Arbutus andachne Extract"** Reem Issa, Faculty of Pharmacy, University of Jordan, July 2005.
12. **"Composition of Jordanian Rosemary and Fennel Essential Oils and their Antimicrobial Effects against Four Major Bacterial Food borne Pathogens and a Fungus"** Maysa H. Al-Nabulsy. Faculty of Pharmacy, University of Jordan, December 2006.
13. **"Studying the Free Radical Scavenging Properties of Iberis amara and Iberis giraltrica"**. Kadria Musbah. Faculty of Pharmacy, Al-Fateh University. Tripoli-Libya. 5/4/2010. External examiner.
14. "The effects of triazoloquinone on male fertility of albino rats". Rughia Musbah, Faculty of Science, Al albeit University. 29/7/ 2012.
15. "effects of newly prepared compound in induced diabetic and hyperlipidemic albino rats". Omayma Al-Jamal. Faculty of Science, Al albeit University. 29/7/ 2012.
16. Sheeren Alaidi.

PhD STUDENTS EXAMINAR

1. Anioxidant Activity of Selected Medicinal Plants in vitro and on Human Erythrocytes. Nisreen Abdallat, Department of Biological Science, Faculty of Science, University of Jordan. July 5, 2011.
2. The synthesis of novel heterocyclic carboxamide derivatives and evaluation of their antihyperlipidemic and antioxidant activity. Manal Najdawi, Faculty of Pharmacy, University of Jordan August, 2011.

RESEARCH INTEREST

1. Investigation of Parthenolide as anticancer agent
2. Semi synthetic derivative of Parthenolide
3. The use of natural derivatives as pharmaceutical matrix
4. Natural matrix for sustained released tablets

5. Ethnopharmacological Use of Local Medicinal Plants and their applications in Modern Therapy.
6. Natural Products analysis.
7. Plant Cell and Tissue Culture.
8. Biological Evaluation of Natural Products.
9. Medicinal and Toxic Plants: Studying of the active principles, their separation, structure elucidation by spectroscopic means (IR, MS, NMR) and biological effects.
10. Nematicidal effects of natural products.
11. Investigation of new anticancer drugs from medicinal local plants.
12. Discovery of new insecticidal natural products from local plants.
13. Qualitative and quantitative analysis of aromatic Jordanian herbs.
14. General quality control of natural derivatives.
15. Cosmetic use of natural products and their formulations.

CURRENT RESEARCH PROJECTS

1. The effects of some Jordanian plants on the fertility of animals (Albino rats, males and females).
2. The effect of environmental conditions, geographical factors, ontogenetic variations on the volatile oils composition of thyme, sage, eucalyptus, black cumin, Achillea, Melissa and other local aromatic plants.
3. Antimicrobial (antibacterial and antifungal) activities of some Jordanian plants.
4. Antiplatelet activity of some Jordanian plants.
5. Contamination of abused drugs with pathogenic microorganism
6. Interferences of some Jordanian herbal drink extracts with urine drug analysis using TDX (Joint project with Dr. K. Hadidi and Dr. A. Battah, Faculty of Medicine, University of Jordan).
7. GC, GC/MS as a tool for qualitative and quantitative determination of natural derivatives.
8. Detection of parthenolid in some plants utilizing HPLC.
9. LC-MS analysis of *Ferula hermonis* constituents and their evaluation as antileukemic effect (Joint Project with Prof. Dr. Peter Crooks and Dr. Abeer Al-Gananeem. Faculty of Pharmacy, University of Kentucky, USA).
10. Repellency and toxicity effects of some Jordanian plant extracts on Sweet potato whitefly *Bemisia tabaci* Genn.(Homoptera: Aleyrodidae). (Joint Project with Dr. Mazen Atteyat, Faculty of Agriculture, Albalqa University).
11. Ethnopharmacological studies of Jordan Flora
12. Discovery of natural hypoglycemic drugs
13. Discovery of natural chelating agents for treatment of ferrous overload in Thalassaemic patients
14. Risk factors among Jordanian athletes

NATIONWIDE ACTIVITIES and CONSULTATION

1. Conservation of Medicinal and Herbal Plants in Jordan, the National Center for Agriculture Research Technology Transfer (NCARTT), Ministry of Agriculture, Jordan: (Consultant)

- Variability of Essential Oils Content and Composition in Wild Accessions of Jordanian Majoran (*Origanum Syriacum*), 1998 - 1999.
 - Effect of Different Shading Regimes on Herbage Yield and Essential Oil Content of Cultivated Oregano, 1999 - 2000.
 - Influence of Different Environmental and Agricultural Management Conditions on Flavor Ingredients in Cultivated Melissa (*Melissa officinalis*) and Rossel Tea (*Hibiscus sabdarifa*), 1999 - 2000.
2. Development of Medicinal Herbal Plants in Jordan as an Integrated Sector, the Royal society for the Conservation of Nature (RSCN):
 - Medicinal Plants Inventory, Ethnopharmacological and Pharmacognostical Studies, 2001-2002.
 3. Sukhtian housholding and Toiletries Mfg. Company, Faculty For Factory (FFF) program, 2003.
 4. Discovery of new drugs from Jordanian Plants. Higher Council for Science and Technology, Jordan, 2004-2007.
 5. Evaluation of the fungicidal and nematocidal activities of *Inula viscosa* and *Ranunculus asiaticus* against certain soil borne plant pathogenic fungi and parasitic nematodes. National Center for Agriculture Research Technology Transfer (NCARTT), Ministry of Agriculture, Jordan, 2005.
 6. Conservation of Medicinal and Herbal Plants of Jordan. A botanical Survey of Wild Medicinal and Aromatic Plants In Mujib Nature Reserve and Surrounding area. Ministry of Planning and International Cooperation-Royal Society for Conservation of Nature (RSCN), 2005.
 7. Workshop on “Volatile oils in Mujeb Reserve plants”. Training course for locals and staff of Mujeb Reserve. April, 2008.
 8. Workshop on “Volatile oils in Mujeb Reserve plants”. Training course for Ministry of Education staff in South of Jordan. April, 2008.
 9. Ministry of Education. National Team of Introducing the concept of medicinal Plants in Students courses from grade 1 to grade 12. 2008.
 10. Natural Iron chelating agent for thalassemic patient's alternative to deferoxamine. Supported by Ministry of Higher education. 134.000 JD (2008)
 11. Ageing among Jordanian population. Supported by Ministry of Higher education. 120.000 JD (2008)

MEMBERSHIP IN SCIENTIFIC AND PROFESSIONAL SOCIETIES

- Jordan association of Palliative Therapy
- American Association of Pharmaceutical Sciences (AAPS)
- Jordanian Pharmaceutical Society.
- Jordan-Swedish Medical Association.
- Jordan Sport Medicine Association.
- The European Association for International Education.
- Jordan Society for Quality.
- The Arab Science & Technology Foundation
- Italian Chemical Society
- Pharmacog.net
- Member of Courses Evaluation Committee, Faculty of Pharmacy, University of Jordan.
- Member of Postgraduate Committee, Faculty of Pharmacy, University of Jordan.
- Member of the Scientific and Research Committee, Jordan Pharmaceutical association.
- Member and examiner at the Boarding Committee, Jordan Pharmaceutical association (Pharmacy Profession Qualifying Exam).
- Member of Cosmetics Committee at Jordan Food and Drug Administration (JFDA), Ministry of Health.
- Member of Bovine Encephalopathy Committee at Jordan Food and Drug Administration (JFDA), Ministry of Health.

REVIEWER

Acts as manuscript reviewer for the following research journals:

- Flavour and Fragrance Journal
- Pharmaceutical Biology
- Journal of Medicinal Plant Research (JMPR)
- Pharmacognosy Magazine
- Evidence Based Complementary and Alternative Medicine
- Science Asia Journal
- Boletin Latinoamericano y del Caribe de Plantas Medicinales y Aromaticas [BLACPMA]
- Journal of Herbs, Spices and Medicinal Plants
- Journal of Ethnobiology and Ethnomedicine
- Dirasat (Deanship of Academic Research, University of Jordan)
- Al-Najah University Journal
- Al-Basaer Journal (Deanship of Academic Research, University of Petra)
- Arabic Journal for Pharmaceutical Sciences
- Damascus University Journal for The Medical Sciences
- Applied Science University Journal
- Jordan Pharmaceutical Sciences Journal. Editorial Board

- RJMS. Editorial Board
- Advances in pharmacological Sciences
- Associate Editor of the **American Journal of Analytical Chemistry (AJAC)**
- International Journal of advances in Pharmacy, Biology and Chemistry (IJAPBC).
- **Development in Pharmaceutics (DP)**

SKILLS

- Computer Literacy: word7, Excel 5, Chemdraw, Isisdraw, DOS, PowerPoint.
- Internet.
- Chemistry Databases.

PUBLICATIONS

1. Ali Alsarhan, Kamal Mansi, **Talal Aburjai**, Ahed Al-Khatib, Muhammed Alzweiri, Naznin Sultana. **HSP70 AND INOS BIOMARKERS IN EVALUATING THE HEALING PROPERTIES OF RUBIA TINCTORUM.**
European Journal of Scientific Research 05/2013; 99(15):1857-7881.
2. Ali Alsarhan, N. Sultan, M.R.A. Kadri and **T. Aburjai.**
Ethnopharmacological Survey of Medicinal Plants in Malasia, the Kanghar Pulai Region.
International Journal of Pharmacology 10, 3923 (2012).
3. Ziad Ermili, Kamal Mansi, **Talal Aburjai**, Ahmad Bani Ata, Ziad M. Hawamdeh. **Evaluation the functional status of the liver in elite Jordanian athletes.**
Medicina Sportiva (2012), vol VIII, no 2, 1819 – 1822.
4. Yasser Bustanji, Nedhal AlDouri, Ala Issa, Sundus Mashallah, Areej Assaf, **Talal Aburjai** and Mohammad Mohammad.
Cytotoxic effect of *Mercurialis annua* L. methanolic extract on six human solid cancer cell lines.
Scientific Research and Essays Vol. 7(14), pp. 23, 2012
5. Salih Chibani , Wissem Gherboudj , Ahmed Kabouche, Rachid Touzani , **Talal Aburjai**, and Zahia Kabouche .
GC-MS Analysis of *Senecio giganteus* Desf. from Algeria
TEOP 16 (1) 2013 pp 123 - 125
6. Yousif Y. Bilto^{1*}, Sanaa Suboh¹, Talal Aburjai² , Shtywy Abdalla¹
Structure-activity relationships regarding the antioxidant effects of the flavonoids on human erythrocytes.
Natural Science Vol.4, No.9, 740-747 (2012)
7. Salih Chibani, Chawki Bensouici, Ahmed Kabouche, Talal Aburjai, Rachid Touzani and Zahia Kabouche. **Analysis of the Essential Oil of Aerial Parts of *Ferula lutea* Poiret from Algeria.**
Journal of essential oils Bearing Plants 15(4) 2012 pp682-685.
8. Muhammed Alzweiri, Yusuf M. Al-Hiari, **Talal Aburjai** and Osama Abdel-Aldaem.
On-Column Approach in the HPLC-UV Analysis of Non-chromophoric Compounds Using Azelaic Acid as a Model
JJPS 5 (3), 243-251(2012).

9. L. Hudaifa, M. Hudaib, **T. Aburjai**. "Chemical composition of the essential oils from roots of *Sarcopoterium spinosum* (L.) (Rosaceae) grown in Syria".

Journal of Essential Oil Bearing Plants (in press 2012).

10. M. al-Ghazawi, **T. Aburjai**, N. shraim, A. BaniJaber, S. AbuRuz. **Effect of Licorice extract on the pharmacokinetics of ciprofloxacin in rabbits after oral administration using an improved HPLC assay.**

JJPS 5, 2, 120-130(2012).

11. Ziad Ermeley, Kamal Mansi, Talal Aburjai, Ahmad Bani Ata, Ziad M. Hawamdeh. Evaluation the functional status of the liver in elite Jordanian athletes compared with healthy controls.

Journal of Medicinal Plants Research VIII (2) No.30 (2012).

12. Safwan Shiyab, Mohamed Shatnawi, Rida Shibli, Muhammed Alzweiri, Muhannad Akash and **Talal Aburjai**. **Influence of developmental stage on yield and composition of *Origanum syriacum* L. oil by multivariate analysis**

Journal of Medicinal Plants Research Vol. 6(15), pp. 2985-2994, 2012

13. I. Labed, S. Chibani, Z. Semra, A. Kabouche, **T. Aburjai**, R. Touzani, and Z. Kabouche. **Antibacterial Activity and Chemical Composition of Essential Oil of *Athamanta sicula* L. (Apiaceae) from Algeria.**

E-Journal of Chemistry, 9, 2,796-800 (2012).

14. **Talal A. Aburjai**, Iman M. Oun, Abdurazag A. Auzi, , Mohammad M. Hudaib. Volatile oil constituents of fruits and leaves of *Solanum nigrum* L. growing in Libya.

Journal of Essential oil bearing plants (Accepted 7, 2012).

15. Chiban, H.Berhail-Boudouda, A.Kabouche, **Talal Aburjai**, Z.Kabouche. Analysis of the essential oil of *Ferula Communis* L. from Constantine, Algeria.

Inte.J.Med. Arom. Plants, Vol. 1, No.2, pp. 41-44 (2011).

16. **Talal Aburjai**, Muhammed Alzweiri, Yusuf M. Al-Hiari. Temperature and pressure behaviours of methanol, acetonitrile/ water mixtures on chromatographic systems.

American Journal of Analytical Chemistry 2, 934-937(2011).

17. Suha Abudoleh, Ahmad Disi, Eyad Qunaibi and **Talal Aburjai**. **Anti. Arthritic Activity of the Methanolic Leaf Extract of *Urtica pilulifera* L. on Albino Rats.**

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- 32- عضو اللجنة المشكلة لدراسة بعض المستحضرات الطبيعية المنتجة من قبل شركة Himalaya Drugco
- 33- عمل ندوة في مدرسة ميمونة أم المؤمنين الثانوية الشاملة للبنات بعنوان "الأعشاب الطبية في الأردن ومستقبلها الدوائي".
- 34- ندوة في نادي الحديقة و المنزل بعنوان "الأعشاب الطبية واستعمالاتها"
- 35- مستشار المركز الوطني للبحوث الزراعية-وزارة الزراعة في مشروع "تطوير زراعة النباتات الطبية والعطرية في الأردن".