

CURRICULUM VITAE

PERSONAL DETAILS

Name	Mohammad Sanad Abu Darwish	
Data of Birth	6.Jan,1973	
Material Status	Married	
Designation	Associate Professor	
Department	Essential & Applied Sciences	
Collage	Shoubak University College	
University	Al-Balqa Applied University (BAU)	
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Home Address	Ma'an - Jordan, P.O. Box (200). Zip Code 71111	

ACADEMIC QULIFICATION

(Qualification/Institution, Year)

PHD in Pharmaceutical Science/Pharmaceutical Chemistry & Pharmacognosy (Phytochemistry)/Ukrainian Pharmaceutical Academy, Kharkiv-Ukraine, 2000.

- Title of Thesis: Pharmacognostic Study of Different Organs of *Rhamnus cathartica* (Flora of Ukraine) & *Rhamnus dispermus* (Flora of Jordan).

MSC in Pharmacy/Ukrainian Pharmaceutical Academy. Kharkiv -Ukraine, 1996.

- Title of Thesis: Phyto-Chemical Analysis of Anti Hypertensive Extracts.

LANGUAGES

Arabic: Mother Tongue

English: Good

Russian: Very Good

ADMINSTRATIVE & ACADEMIC DUTIES

(Role, Organization, Period)

Dean of -Shoubak University College – BAU, 2006/2007—

Dean's assistant, Ma'an college– BAU, 2004/2005, 2005/2006.

Head of Essential & Applied Sciences Department. Ma'an College – BAU ,2003-2004.

Full Time Lecturer, Ma'an College, Nursing Dept, BAU, Jordan .2003

Part Time Lecturer, Al-Zaytoona University, Pharmacy Department, Jordan, 2001-2002.

Part Time Lecturer, Philadelphia University, Pharmacy Department, Jordan, 2002-2003.

Part Time Lecturer, Al-Qudes College, Pharmacy Department, Jordan, 2001-2002

PROFESSIONAL ACTIVITIES

(Role, Title, Place, Date)

Chairman of the Scientific and Organizing Committees of the 3rd International Symposium "Medicinal plants their cultivation and aspects of uses", Petra – Jordan, 21-23.11.2012. (http://3ismp.bau.edu.jo/home_page.html)

Member of Jordanian Desertification Thematic Research Group under National Desertification Committee, UNDP-Jordan, 2011-2012.

Participant of Professional Training in Understanding the Science of Environmental Governance and Building Capacity of Skills of Development of Environmental Policies and Strategies Related to Implementation of Rio-Conventions in Jordan and integration of Conventions ' Provision into National Development Planning, Amman-Jordan, 25-26.2.2012.

Chairman of the Scientific and Organizing Committees of the 2^{ed} International Symposium "Medicinal plants their cultivation and aspects of uses". Petra – Jordan, 3-4.11.2010. (<http://3ismp.bau.edu.jo/shobak/index.html>)

Head of Steering Committee of the 1st Workshop" Developing the Agricultural sector in Jordan is a National Responsibility". Shoubak University Collage-Jordan, 19.04.2009.

Participant of Training Program "The Strategic Dialogue for Presidents and Deans of Jordanian Universities and Colleges". The Royal Jordanian National Defiance College, Amman-Jordan, 03 - 05.03.2009.

Head of Steering Committee of the 1st International Symposium Medicinal plants their cultivation and aspects of uses". Petra – Jordan, 15-16.08.2008.

Member of Organizing Committee of The 1st International Symposium "Medicinal Plants their Cultivation and Aspects of Uses", Petra – Jordan, 15-16.08.2008.

Participant of training program for excellence workshop on "Promoting and enhancing the quality of nursing programs in Jordan " Al-Hussein Fund for excellence in collaboration with the Center for Quality Assurance in International Education, Amman-Jordan, 22-23.02.2006.

Participant of training Program in " Problem Solving for Better Health", organized by the Center for Educational Development/University of Jordan , and The Dreyfus Health Foundation ,New York-Jordan, 23-25.10.2003.

PROFFECINAL AFFILATION / MEMBERSHIP (Organization, Role, Start Year)

Jordan Pharmaceutical Association, Member, 1996.

Jordan Society for Scientific Research (JSSR), Member, 2005.

International Journal of Agriculture Sciences, Editorial Board Member, 2010.

Global Environmental Standard, member of the Community of Interest, 2011.

Isoflavone Research Initiative, Member, 2012.

AREAS OF SPECLALIZATON

Phytochemistry, Pharmacognosy and Natural Product Analysis.

Pharmacological Activities and Toxicity of Medicinal Plants.

Medicinal Plants & Natural Products Quality Control.

Ethnopharmacology.

RECENT SELECTED PUBLICATIONS

Chapter in Books & Synopsis

Al-Tawaha, A.R , McNeil, D.L , Yadav, SS, Turk, M., Ajlouni, M , **Abu-Darwish, M.S.**, Al-Ghzawi, A.L.A, Al-udatt, M and Aladaileh, S,2010, *Integrated Legume Crops Production and Management Technology*, Climate Change and Management of Cool Season Grain Legume Crops, Springer, Shyam Singh Yadav, David L. McNeil & Robert Redden (ed), Dordrecht, The Netherlands, pp. 325-349. ISBN 978-1-4020-6312-1 (2010) [Research Book Chapter]

Mohammad Sanad Abu Darwish.2000. Pharmacognostic Study of Different organs of *Rhamnus cathartica* L. (flora of Ukraine) & *R.dispermus* Ehr. (flora of Jordan) Synopsis of Thesis,Kaharkiv-Ukraine(2000) p22

Publications in peer reviewed journals

Mohammad Sanad Abu Darwish, Maria José Gonçalves, Célia Cabral, Lígia Salgueiro, 2012, Chemical composition and antifungal activity of berries essential oil from *Juniperus phoenicea* subsp. *phoenicea* from Jordan, Acta Alimentaria, An International Journal of Food Science, (Accepted)

Mohammad Sanad Abu-Darwish, Ezz Al-Dein Muhammed Al-Ramamneh, Viktoria Sergeevna Kyslychenko, and Uliana Vladimirovna Karpiuk, 2012, The antimicrobial activity of essential oils and extracts of some medicinal plants grown in Ash-shoubak region – South of Jordan, Pak. J. Pharm. Sci., 25, (1), 239-246.

Mazen Ateyyat, Saeid Abu-Romman, **Mohammad Abu-Darwish**, Ihab Ghabeish, 2012, Impact of Flavonoids against Woolly Apple Aphid, *Eriosoma lanigerum* (Hausmann) and Its Sole Parasitoid, *Aphelinus mali* (Hald.), Journal of Agricultural Science Vol. 4, No. 2, 2012.

Mohammad S. Abu-Darwish, Muhammad H. Alu'datt, Abdel Rahman Al-Tawaha, Khalil Ereifej, Ali Almajwal, Nidal Odat & Wesam Al Khateeb, 2011, Seasonal variation in essential oil yield and composition from *Thymus vulgaris* L. during different growth stages in the south of Jordan, Natural Product Research, 1–8, I First.

Ahmad H. Al-Fraihat, Sati Y. A. Al-dalain, Ziad B. Al-Rawashdeh, **Mohammad S. Abu-Darwish** and Jalal A. Al-Tabbal, 2011, Effect of organic and biofertilizers on growth, herb yield and volatile oil of marjoram plant grown in Ajloun region, Jordan, Journal of Medicinal Plants Research Vol. 5(13), 2822-2833.

Taha M. Rababah, Muhammad H. Al-u'datt, Majdi A. Al-Mahasneh, Hao Feng, Abdulaziz M. Allothman, Ali Almajwal, Wade Yang, Isra Kilan, Mohammad N. Alhamad, Khalil Ereifej and **Mohammad Abu-Darwish**, 2011, Effect of storage on the physicochemical properties, total phenolic, anthocyanin, and antioxidant capacity of strawberry jam, Journal of Food, Agriculture & Environment Vol.9 (2) : 1 0 1 - 1 0 5.

Kyslychenko, V., Karpiuk, U., Diakonova Ia. and **Mohammad S. Abu-Darwish**, 2010, Phenolic Compounds and Terpenes in the Green Parts of *Glycine hispida*. Adv. Environ. Biol., 4(3): 490-494.

Mohammad S. Abu-Darwish, Ziad H. Abu Dieyeh, Batarseh Mufeed, Abdel Rahman M. Al-Tawaha and Sati Yassin Ahmed Al-dalain, 2009, Trace element contents and essential oil yields from wild thyme plant (*Thymus serpyllum* L.) grown at different natural variable environments, Jordan, Journal of Food, Agr. & Env. Vol. 7 (3&4) . 920 - 924 .

Mohammad S. Abu-Darwish and Ziad Abu-Dieyeh, 2009, Essential Oil Content and Heavy Metals Composition of *Thymus vulgaris* Cultivated in Various Climatic Regions of Jordan, Int. J. Agri. & Biol. Vol. 11. 59–63.

Mohammad Sanad Abu-Darwish. 2009. Essential Oils Yield and Heavy Metals Content of Some Aromatic Medicinal Plants Grown in Ash-Shoubak Region, South of Jordan, Advances in Environmental Biology, 3(3): 296-301.

Mohammad S. Abu-darwish, Ezz AL-Dein Al-Ramamneh. 2009. The Present-day Survey of Registered and Standardized Herbal Medicines in Jordanian Pharmaceutical Market, American-Eurasian J. of Sus. Agr. (Accepted)

Ateyyat M. and **Abu-Darwish M**, 2008, Insecticidal activity of different extracts of *Rhamnus dispermus* (Rhamnaceae) against peach trunk aphid, *Pterochloroides persicae* (Homoptera: Lachnidae), Spanish J. of Agr. Res. 7(1) 160-164

Ziad H.M. Abu-dieyeh and **Mohammad S. Abu-darwish**, 2008, Effect of feeding powdered black cumin seeds (*Nigella sativa*) on growth performance of 4-8 week old broilers. J. animal & Veterinary Advances. 7 (3): 292-296.

Mohammad Abu-Darwish and A. Mazen Ateyyat, 2008, The pharmacological and pesticidal Actions of naturally occurring 1,8-dihydroxyanthraquinones Derivatives. World J. of Agr. Sci. 4 (4): 495-505.

Zhuravlev M.S., Kovaleva A.M., Komissarenko A.N., Kryuchkova T.N., **Abu – Darwish Mohammad**, 1999, Study of the Lipotropic Activity of Natural Anthraquinones and their Synthetic Analogues, News of Pharmacy – No1 (19)- P. 29-32.

Zhuravlev M.S., **Abu Darwish Mohammad**, 1999, The dynamic of Anthracin Derivatives in Bark of *Rhamnus cathartica* L. in Different Periods of Collection, News of Pharmacy, No2 (20)-P. 118-121.

Kartmazova L.S., Kryuchkova T.N., **Abu Darwish Mohammad**. 1999. Comparative Morphological Anatomic Study of Bark of *Rhamnus cathartica*, *Frangula alnus* and *Rhamnus dispermus*. The Physiological active compounds, No2(28)- P. 118-121.

Conferences

Mohammad Sanad Abu Darwish, Taha M. Rababah, Bayan Abdulhaq, Kyslychenko V.S., Andrey. I. Popik., Korol V.V. Ranya B. Esogh, 2012, Determination of Minerals and Amino Acids Contents, Anti-Inflammatory and Hepatoprotective Effects of *Syringa vulgaris* L. Extracts. International Conference on Agricultural, Biotechnology, Biological and Biosystems Engineering, World Academy of Science, Engineering and Technology, 26-27 Sept.2012, **Rome- Italy**

Mohammad S. Abu-Darwish, Ziad H. Abu-Dieyeh, Ahmad H. Al-Fraihat and Sati Y.A.Al-dalain, 2010, Essential oils and Heavy Metals Accumulation in *Salvia officinalis* Cultivated at Different Inter-row Spaces in Ash-Shoubak South Region of Jordan. Conference on International Research on Food Security, Natural Resource Management and Rural Development, Tropentag, 14 - 16 Sept., 2010 , **ETH Zurich-Switzerland**,

Mohammad S. Abu-darwish,2009,Essential oils yield and heavy metals content of Some Aromatic Medicinal Plants Grown in Shoubak Region, South of Jordan. The 13th international congress (Phytopharm 2009), 27-29.Aug, **Bonn-Germany**.

Ateyyat M.A. and **Abu-darwish M. S**, 2008, Impact of Different Extracts of *Rhamnus dispermus* Ehrenb.On Apterous Adults of Wooly Apple Aphid. The7thmeetingofGA, AFER, ASP, GA, PSE, &SIF, 3-8Aug.2008, Planta Medica. **Athens-Greece**, Vol.74, 245.

Mohammad S. Abu-darwish, 2008, Screening the Composition and Pharmacological Activities of Herbal Drugs in Jordan. 12th International congress (Phytopharm2008), 2-4Jul.2008, **St-petersburg-Russia**, P6.

Zhuravlev M.S., **Mohammad Abu-Darwish** and Kryuchkova T.M, 2008, The study of *Rhamnus L.* anthracen derivatives. The 1st International Symposium on Medicinal Plants, their Cultivation and Aspects of uses. **Petra-Jordan**, P40.

Mohammad S.Abu-darwish, 2007, The Pharmacological Actions of 1,8-dihydroxyanthraquinones from Medicinal Plants. The 11th International Congress (Phytopharm 2007), 27-30.Jun.2007, **Leiden- Netherlands**, P.42.

M.S.Zhuravlev, A.I.Pavli, T.N.Kryuchva, **Abu Darwish Mohammad**, 1999, The Anthraquinones of Some Types of Rhamnus Family and their Biological Activities. "Collection of Scientific Works" Contemporary Problems of Pharmacognosy and Phototherapy"., 1999 ,**Yaroslav–Russia**, P.299

Zhuravlev.M.M.,PavliA.I.,KryuchovaT.N.,AbuDarwishMohammad,1999,Pharmacog-nostice Study of Rhamnus dispermus,1999, Modern Pharmacy and Development Perspective in the New Millennium," Materials of the V National Pharmacists Conference of Ukraine", .1999, **Kharvlev-Ukrine**, P. 299

Abu Darwish Mohammad, Zhuravlev M.S., Pavli A.I., 1998, The chemical study of *Rhamnus cathartica* L. The International Conference "Physiological and Biological Aspects of the medicinal plants, 1998, **Novosibirsk-Russia**, P6.

Zhuravlev M.S., Pavli A.I., **Abu Darwish Mohammad**, T.N.Krychova.1998.Chemical and Biological Study of Phenolic Compounds of *Fragula alnus* and *Rhamnus Cathartica*, Theory and Practice of Development of Medicaments: Material of International Conference, **Kharkiv-Ukraine**, 1998, P. 110 – 114.

AREAS OF RESEARCH & CONSULTATION

(Project Title),(Role), (Period),(Source),(level)

Growth and Performance of Four Selected Medical Plants under Ash -Shouback Conditions, **Principle Researcher**, May 2007-September 2009,BAU,National.

Multi-functional Medicinal plants from Israel and Jordan: Anti Cancer Activity and Ecological Indicators, **Scientific Research Consultant**, 2010-2011, The Dead Sea and Arava Science Center, Regional.

Multi –functional medicinal plants from Israel and Jordan: Anti cancer Activity and ecological indicators, Plants in the Arava desert of Jordan and Israel as multi-purpose plants: as toxic metals bio-indicators and as medicinal plants, **Scientific Research Consultant**, 2012, The Dead Sea and Arava Science Center, Regional.

REVIEWER

Acts as manuscript reviewer for the following research journals:

Natural Product Research.

Pharmaceutical Biology.

HortScience.

Pakistan Journal of Pharmaceutical Sciences.

International Research Journal of Plant Science.

Scientific Interests

Isolation and Separation of Pure Natural Substances and Compounds from their Natural Resources.

Study of the Chemical Composition of Medicinal and Aromatic Herbs of the Jordanian Flora.

Study of The Pharmacological Activities (Antimicrobial, Anticancer, Anti-inflammatory, Hepato-Protective & Anti-Psoriatic activities) of the Medicinal plants.

Study of the Activity of the Medicinal Herbs on the Poultry Growth & Performance.

Study of the Heavy Metals Content of Medicinal Plants & The Ability of Medicinal Plants as Bio-Indicators.

Study of the Insecticidal Activity of the Herbal Natural Compounds.

Organizing of the Scientific Meeting Related to Medicinal Plants & Natural Products. (Conferences, Symposiums & Work shops)

REFEREES

1. Univ.-Prof. Dr. Rudolf Bauer, Institute of Pharmaceutical Sciences ,Department of Pharmacognosy Graz, Austria ,Phone: ++43-(0)316-380-8700 ,Fax: ++43-(0)316-380-9860 , E-mail: Rudolf.Bauer@uni-graz.at

2. Prof.Dr. Lígia Salgueiro, Center for Pharmaceutical Studies, Faculty of Pharmacy, Azinhaga de Santa Comba, University of Coimbra, 3000-548 Coimbra, Portugal. E-mail: ligia@ff.uc.pt

3. Prof. Dr. Fatma U. Afifi, Faculty of Pharmacy, University of Jordan, Amman 11942, Jordan, Fax: 00962 -6-5339649, E-mail: afifi@ju.edu.jo

4. Prof.Dr. Judit Hohmann, Department of Pharmacognosy, University of Szeged ,Hungary, E-mail : hohmann@pharm.u-szeged.hu

5. Prof.Dr. Inteaz Alli , Department of Food Science and Agricultural Chemistry, McGill University, Canada, E-mail : inteaz.alli@mcgill.ca

6. Dr. Caroline Weckerle , Institute of Systematic Botany, University of Zurich, Switzerland, E-mail : weckerle@ethnobot.ch

