

**Personal Information**

<b>Name</b>	NIHAD G. ALSMAIRAT
<b>Place and date of birth</b>	September,11,1962 /Fuheis-Jordan
<b>Faculty</b>	School of Agriculture/The University of Jordan <a href="http://eacademic.ju.edu.jo/drnihad/default.aspx">http://eacademic.ju.edu.jo/drnihad/default.aspx</a>
<b>Department</b>	Department of Horticulture and Crop Science
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**Qualifications**

<b>Qualification</b>	<b>Specialization</b>	<b>University of donor rank</b>	<b>Date</b>
B.Sc.,	Plant Production	The University of Jordan	1985
M.Sc.,	Horticulture	The University of Jordan	1988
Ph.D.,	Horticulture	The University of Jordan	2002

**Specialization and domain of interest**

<b>Specialization</b>	Horticulture
<b>Domain of interest</b>	Postharvest Physiology and Technology of Fresh Fruits

**Title and abstract of the doctoral thesis (within 150 words)**

This study was carried out to compare root ability of terminal , median and basal stem cutting (15 cm long) of two apple clone rootstocks; the hard-to-root East Malling 9 (M.9) and the easy -to-root Malling - Merton 106 (MM.106) during November and December (2000) , January and February (2001) and again during November and December (2001) , January and February (2002). Total phenol, auxin, carbohydrate, nitrogen and C/N ratio determined at each sampling date. In addition , the anatomical structure of the stem cutting was studied at time of preparing the cuttings and again six weeks later .For each sampling date , rooting experiments were carried out in a glasshouse of Al-Hussein Agriculture station , Baqa'a , Jordan. The results indicated that the anatomical structure of MM.106 and M.9 was basically the same for terminal, median and basal stem cutting. Groups of brachysclereids built in MM.106 and M.9 stem cuttings on the periphery of phloem. For the two rootstocks, the cambial activity was highest in November to be declined gradually and to remain low through February.

<b>Career Experience</b>
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<b>Job Title</b>	<b>Place of work</b>	<b>Date</b>
Assistance in Plant Propagation and Floriculture lab	Faculty of Agriculture, University of Jordan	1985-1986
Agricultural Engineering in the Martyr Memorial	Force army, Amman , Jordan	1988-1990
Fruit Trees orchards	Private sector	1990-1992
Quality Control in Al-Qastal Cold Stores for Fruits and Vegetables	Agricultural Marketing and Processing Company of Jordan , Jordan	1992-1995
Fruit Trees Researcher	National Center for Agricultural Research and Technology Transfer (NCARTT) , Almshagar center , Jordan	1996
Cold stores Consultant	Private sector	1996-1998
Devoted my-self to get the Ph.D. degree	The University of Jordan	1998-2002
Manager of Agricultural Integrated Input Management Project in the Jordan valley hosted by Strategic Studying Center/ The University of Jordan	Jordan valley	2003-2004
Team leader for Technology Transfer Specialist. Horticultural Export Promotion and Technology Transfer project "HEPTTP" hosted by NCAR.	World bank , Amman , Jordan	2004-2007

Manager of agricultural research stations.	Faculty of Agriculture, The University of Jordan, Jordan.	2008-June,2009
Post doctorate – Postharvest lab / College of Plant and Soil Science / Horticultural Department/ Michigan State University, MI,USA	Michigan State University , MI, USA	June 2009-2010
Lecturer / Department of Horticulture and Crop Science / Faculty of Agriculture – University of Jordan	Faculty of Agriculture/The University of Jordan	June 2010-2011
Assistant prof / Department of Horticulture and Crop Science / Faculty of Agriculture – The University of Jordan	Faculty of Agriculture/The University of Jordan	October,2011-2014
Associate prof. / Department of Horticulture and Crop Science / School of Agriculture –The University of Jordan	The University of Jordan	March, 2014-Now

### Administrative works and committees

Administrative work and committee	Date
Assistant Dean for Quality and Development Affairs	2013-2017 .
The University of Jordan Learning Outcome Committee	2016/2017 tell now
Establishment a Botanical Garden in the Agricultural Research Station in Ghour	2014/2015 tell now

<b>Recent Publications within last five years</b>
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<b>Name of researcher</b>	<b>Research title, Publisher, Date</b>
VanNocker,S.;Berry,G.,Najdowski,J.,;Michelutti,R.;Luffman,M.;Forsline,P;Alsmairat,N.;Beaudry,R.;G.Nair,M. and Ordidge ,M.	Genetic diversity of red-fleshed apples (Malus) <b>Euphytica . (2012)</b>
Contreras , C. Alsmairat, N. Beaudry ,R.,	Prestorage conditioning and diphenylamine improve resistance to controlled -Atmosphere- Related injury in 'Honeycrisp' apple. <b>HortScience</b> , 49(1):76-81.(2014)
Alsmairat,N., N., El-Assi ,A.,Alabdallat and G.,Mehyar	Enhancement of edibility of “Barhi” and “Medjool” Date Palm cultivars at Khalal mature stage <b>.Inter.J.Botany</b> .9(3),123-132 .(2013)
Mansour,A., Al-Bana ,L., Salem, N., Alsmairat, N.,	Disease Management of organic tomato under greenhouse conditions in the Jordan valley. <b>Crop Protection. 60:48-55.(2014)</b>
Mehyar ,G.,El Assi, N., Alsmairat,N., Holley , R.,	Effect of edible coating on fruit maturity and fungal growth on Berhi dates. <b>International J. Food Sci. Tech.</b> 49,2409-2417.(2014)
Alsmairat, Nihad Al-Ajlouni, Malik Ayad, Jamal Othman, Yahia St.Hilaire, Rolston	Composition of soilless substrates affect the physiology and fruit quality of two strawberry ( <i>Fragaria</i> × <i>ananassa</i> Duch.) cultivars. Journal of Plant Nutrition. <b>Online. <a href="http://www.tandfonline.com/loi/lplazo">http://www.tandfonline.com/loi/lplazo</a></b> .2018.
Salah-Eddin Araj, Mahmoud Kasrawi, Nihad Alsmairat, Yahia Othman, Nida Salem and Mohammad Tabieh	Influence of greenhouse shading techniques on pests numbers, leaf-level physiology, fruit yield and quality of cucumber. <b>Fresenius Env. Bull. 27:5721-5726.2018.</b>
Alsmairat,N., Engelgau,P., and Beaudry, R.	Changes in free amino acid content in the flesh and peel of 'Cavendish' banana fruit as related to branched-chain ester production, ripening, and senescence. <b>Amr J. Hort. Scie.</b> 143(5),1-11.
Jamal Y. Ayad, Yahia A. Othman, Malik G. Al-Ajlouni, and Nihad G. Alsmairat	Photosynthesis, Gas exchange and yield of two strawberry ( <i>Fragaria X ananassa</i> Duch.) cultivars in response to gibberllic acid. <b>Fresenius Env. Bull. 29: .2018.</b>

<b>Scientific conferences and symposia</b>
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<b>Conference Title</b>	<b>Place and date of conference</b>	<b>Type of participation</b>
ASHS, American Society for Horticultural Science	<b>USA/2011</b>	Use of Combinations of Commercially-Relevant O <sub>2</sub> and CO <sub>2</sub> Partial Pressures to Evaluate the Sensitivity of Nine Highbush Blueberry Cultivars to Modified Atmospheres
28 <sup>th</sup> International Horticultural Congress in Lisbon	Portugal – Lisbon , 2012 28th International Horticultural Congress in <b>Lisbon</b>	"Kinetics of Volatile Synthesis Following Cellular Disruption Associated with Masticated and Cut Fresh Apple Fruit". Beaudry, R.M.; Al Smairat, N. ;and Contreras, C.
XI International Controlled & Modified Atmosphere Research Conference .	<b>Italy,2014</b>	Use of Modified Atmosphere Packaging to Measure and Model Respiration and Ethylene Production at Superatmospheric O <sub>2</sub> Concentrations .
XII International Controlled and Modified Atmosphere Research Conference CAMA	<b>Warsaw (Poland) June 18-22,2017</b>	Attendance
ASHS 2018 Annual Conference - Washington, DC	<b>Washington/USA,30-3/8/2018</b>	Changes in Free Amino Acid Content in the Flesh and Peel of ‘Cavendish’ Banana Fruit As Related to Branched-Chain Ester Production, Ripening, and Senescence

**Training courses**

Name of course	Date
Evaluation of students' learning without tests/Accreditation & quality assurance center	March 9,2017
Quality assurance procedures and models/Accreditation & quality assurance center	April 26,2016
Advanced targeted learning outcomes/Accreditation & quality assurance center	October 5,2016
Excerption detection/Accreditation & quality assurance center	March 3,2016
Designing national qualifications frameworks/Accreditation & quality assurance center	October 20,2016

**Teaching activities**

Taught Courses	Bachelor	Graduate
Harvesting , Handling and Storage of Horticultural Crops	√	<input type="checkbox"/>
Fruit Trees Production	√	<input type="checkbox"/>
Practical Training in Horticulture and Field Crops/ Fruit Trees	√	<input type="checkbox"/>
Principles of Plant Production	√	<input type="checkbox"/>
Agriculture in Jordan	√	<input type="checkbox"/>
Home Gardening	√	<input type="checkbox"/>

**Membership in scientific and professional bodies and societies**

Name and place of scientific body and society	Date
Jordan Exporters and Producers Association for Fruits and Vegetables (JEPA)	2005 tell now
Jordan Society for Scientific Research (JSSR)	2006 tell now
American Society for Horticultural Science (ASHS)	2017 tell now
International Society of Horticulture Science (ISHS)	2017 tell now

**Awards**

<b>Name of Award</b>	<b>Donor and place of award</b>	<b>Date</b>
Gold Prize “Kinetics of Volatile Synthesis Following Cellular Disruption Associated with Masticated and Cut Fresh Apple Fruit”	28 <sup>th</sup> international Horticultural Congress in Lisbon/Portugal	2012
Distinguished Researcher prize	Presidency of The University of Jordan/Jordan	2012