

# *Curriculum Vitae*

Professor Nezar H. Samarah  
الأستاذ الدكتور نزار حسين عطا سمارة

Seed Science and Technology

## **Address**

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## **Personal Information**

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**Date of Birth:** October 11, 1972  
**Place of Birth:** Amman  
**Citizenship:** Jordanian  
**Sex:** Male  
**Marital Status:** Married  
**Children:** 4.

## **Summary of Accomplishments**

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<b>Activity</b>	<b>Number</b>
Honors and awards	11
Administrative position at JUST	4
Presentations in scientific conferences	27
Published refereed-journal articles	45
Accepted refereed-journal articles (in press)	0
Submitted articles	1
Attended administrative conferences	16
Supervisor of graduate students	7
Co-supervisor of graduate students	1
Member of defense committees of graduate students	8
Funded projects	18

## Education

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- **Ph.D.**, Crop Science/ Seed Science and Technology, 1997-2000.  
Department of Agronomy, Iowa State University of Science and Technology, Ames, Iowa, U.S.A.  
Dissertation: “Soybean yield, yield components, seed quality, dehydrin-like proteins, soluble sugars, and mineral nutrients in response to drought stress imposed prior to severe stress”  
Advisor: Professor Russell Mullen.
- **M.S.**, Crop Science/ Seed Science and Technology, 1996-1997.  
Department of Plant and Soil Sciences, Mississippi State University, Starkville, Mississippi, U.S.A.  
Thesis: “Enhancement of germination and emergence in *Poa trivialis*”  
Advisor: Drs. Bennie C. Keith and Michael Goatley.
- **B.S.**, Plant Science, 1990-1994.  
Department of Plant Production, Jordan University of Science and Technology, Irbid, Jordan.

## Honors and Awards

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### Post-Doctoral Awards

- Granted an early track promotion to full professor at Jordan University of Science and Technology (3.5 years), August 2010.
- Fulbright Scholarship (Postdoctoral Scholarship for one year), The Jordanian-American Commission for Educational Exchange (JACEE), Jordan, September 2007.
- Abdul Hameed Shoman Award for Young Arabic Scientist (10,000 US\$), Abdul Hameed Shoman Foundation, Jordan, July, 2007.

### Ph.D. Awards

- Sigma Xi Research Award, U.S.A, 2000.
- Research Excellence Award, Iowa State University, U.S.A, 2000.
- Gamma Sigma Delta Award (Outstanding Graduate Student Award), Iowa State University, U.S.A, 1998.

## M.Sc

- Received my M.S. degree with a 4.0 GPA at Mississippi State University, Fall, 1997.

## B.S. Awards

- Recognized seven semesters as one of the top five students in grades in Collage of Agriculture at Jordan University of Science and Technology, Jordan, B.S
- Recognized two semesters on the honor board of Collage of Agriculture at Jordan University of Science and Technology.
- Ranked “**first**” in grades averaged over four years for the class of students graduating from College of Agriculture at Jordan University of Science and Technology in 1994.
- Honor scholarship from Jordan University of Science and Technology to pursue my M.S. and Ph.D. in U.S.A for five years.

## Languages

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- Fluent in Arabic and English.

## Professional Experience

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- **Full Professor:** 2010- Present.  
Department of Crop Production, Jordan University of Science and Technology, Irbid, Jordan.
- **Vice Dean of Graduate Studies:** 2013-2014.  
Faculty of Graduate Studies, Jordan University of Science and Technology, Irbid, Jordan.
- **Vice Dean of Research:** 2009- 2013.  
Deanship of Research, Jordan university of Science and Technology, Irbid, Jordan.
- **Assistant Dean of Research:** 2008- 2009.  
Deanship of Research, Jordan university of Science and Technology, Irbid, Jordan.
- **Fulbright Scholar (Sabbatical Leave):** 2007-2008.  
Iowa State University, Crop Physiology and Production, Department of Agronomy, Ames, 50011, Iowa, USA.  
Contact Person: Professor Russell Mullen

Project title: " Effect of slow drying on seed desiccation tolerance of immature seeds of common vetch".

- **Chairman, Department of Crop Production:** 2006-2007.  
Department of Crop Production, Jordan University of Science and Technology, Irbid, Jordan.
- **Associate Professor:** 2006-2010.  
Department of Crop Production, Jordan University of Science and Technology, Irbid, Jordan.
- **Assistant Professor:** 2002-2005.  
Department of Crop Production, Jordan University of Science and Technology, Irbid, Jordan.
- **Full-time Lecturer:** 2001-2002.  
Department of Crop Production, Jordan University of Science and Technology, Irbid, Jordan.
- **Research Assistant:** 1999-2000  
Department of Agronomy, Iowa State University of Science and Technology, Ames, Iowa, U.S.A.
- **Teaching Assistant:** 1999-2000.  
Department of Agronomy, Iowa State University of Science and Technology, Ames, Iowa, U.S.A.
- **Research and Teaching Assistant:** 1994-1996  
Department of Crop Production, Jordan University of science and Technology, Irbid, Jordan.

## **Administrative Activities**

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### **Vice Dean of Graduate Studies**

- Member of the Council of Graduate Studies at JUST.
- Evaluating the curriculum of graduate programs submitted from all faculties to Faculty of Graduate Studies.
- Giving a lecture about "Ethical Codes in Scientific Research" for graduate students enrolled in ME710 Research Methodology, Department of Mechanical Engineering, JUST, April, 2014.

- Chairman of “the Committee for Graduate Student Issues”, Faculty of Graduate Studies, JUST.
- Preparing Memorandum of Understanding between Duhok Polytechnic University (Iraq) and JUST.
- Managing and supervising the process of accepting graduate students in all programs at Jordan University of Science and Technology.
- Updating the website of Faculty of Graduate Studies.
- Giving an orientation for new graduate students, Sept. 2013
- Updating the electronic forms used by the Faculty of Graduate Studies.
- Involved in writing the regulations of graduate studies.
- Participating in writing the annual report of Faculty of Graduate Studies, 2013.

#### **Vice and Assistant Dean of Research**

- Participating in the development of website for “Electronic submission of research proposals for the Deanship of Research”, in cooperation with the Computer Center at JUST.
- Designing a website for “the First Funded Scientific Conference at JUST” at the home page of Deanship of Research of Jordan University of Science and Technology. This project was done in cooperation with the Computer Center at JUST.
- Preparing the annual reports for the funded research projects at the Deanship of Research for 2008, 2009, 2010, 2011, and 2012.
- Giving a seminar to graduate students at Faculty of Engineering about “Ethical Codes in Research”, November 5, 2012.
- Giving a second orientation seminar to new faculty members at JUST “Guidelines for research funding at JUST”, organized by the Academic Development Center, JUST, 3 October 2012.
- Preparing a survey study on the publication status of researchers and faculties at JUST based on Scopus and Thomson Reuters ISI for the last three years (2010-2012). The results of the survey will be published in the next Issue of DR Newsletter.

- Giving a seminar to Faculty members and graduate students at Faculty of Nursing at JUST about “How to get funding from external and internal Sources”, December 21, 2011.
- Giving an orientation seminar to new faculty members at JUST “Guidelines for research funding at JUST”, organized by the Academic Development Center, JUST, 10 October 2011.
- Preparing a survey study to acknowledge faculty members at JUST based on their publications in Scopus and patent activity for the last five years (2006-2010). The results of the survey study were reported in the Deanship of Research Newsletter, Issue 2, 2011.
- Involving in preparing the financial report for “Internal and External Funded Projects at Deanship of Research in 2010”. The results of the study was reported in the Deanship of Research Newsletter, Issue 1, 2011
- Writing a report about “Research and Development in Jordan” for the Deanship of Research, December, 2010.
- Negotiating the projects’ budgets with the researchers at JUST: Suggesting the amount of funds that should be given to the scientific projects submitted to the Deanship of Research. The suggested funds are proposed to the scientific committee, chaired by the Dean of Research, for approval.
- Reviewing the reports submitted by the faculty members who had funded projects from the Deanship of Research or external funding agency.
- Reviewing the final reports submitted by faculty members at JUST who had spent Sabbatical Leaves out of JUST.
- Involving in writing and reviewing Agreements and Memorandum of Understanding between JUST and external institutes, organizations, companies, or funding agencies.
- Preparing a survey study related with the evaluation of the performance of the Deanship of Research and other units at JUST which are parts of the funding process to assess its activities, improve, and facilitate the funding process. Additionally, the study recommended new procedure for billing and reimbursement. The results of the study were reported in the Deanship of Research Newsletter, Issue 2, 2010.
- Inviting and organizing visits by local and international experts to JUST to foster the cooperation of JUST with the internal and external funding agencies, local industry, and local community.

- Organizing workshops and seminars to researchers at JUST to increase their awareness about the deadlines and procedures for proposal submission to international funding programmes such as the 7<sup>th</sup> Framework Programme (FP7), Tempus, Erasmus Mundus, and Marie Curie.
- Presenting an awareness event to faculty members at JUST: “Awareness Event to Participate in FP7”. May 5, 2010, JUST, Irbid.
- Preparing the application form for JUST to apply for Developing Islamic Bank Award in 2009. The application form submitted by JUST consists of more than 300 pages including JUST profile, the scientific activities (seminars, workshops, conferences, scientific days, and consultations), publications (books, chapter in books, Journal articles, proceedings), patents, the JUST awards, the Awards granted by faculty members at JUST, the scientific and social impacts of JUST, the cooperation of JUST with local and international organizations.
- Serving as a committee member for “The quality assurance at JUST”. This committee is involved in the application of JUST to be certified by the national programme of quality assurance of higher institutes in Jordan.
- Serving as a committee member to write the regulation on “The ethical guidelines for using stem cells in scientific research”.
- Involving in writing new regulations related with the scientific activities at JUST such as “The ethical guidelines for authorship at JUST” and “The regulation of graduate students eligibility to research assistantship”, “The ethical guidelines for using stem cells in scientific research”, and “The evaluation guidelines for Teaching, Research, and University and Community-service Awards”, “The regulations of honorary Professor at JUST”, “Regulations for scientific awards to researchers at JUST”.
- Preparing two presentations for the Deanship of Research about “The ethical guidelines of the scientific research”, English and Arabic.
- Working as Executive Editor for the Deanship of Research Newsletter which is published 3 times a year by the Deanship of Research to highlight the major activities carried out.
- Helping in editing and updating all forms used by the researchers at JUST in their billing and reimbursement activities.
- Participating in the preparation of “the National Scientific and Technological Policies and Strategies for Years (2011-2015)” in a workshop organized by The Higher Council for Science and Technology. January 25, 2010, Princess Sumaya University for Technology, Amman.

- Preparing reports on the publication status of the faculty members at the Jordan University of Science and Technology.
- Updating the website of Deanship of Research.
- Preparation the brochure of the Deanship of Research.
- Supervising the computerization of the main activities of the Deanship of Research such as filing, financial reporting, and funding.
- Designing a special electronic site at the Website of Jordan University of Science and Technology for faculty members to send to the Deanship of Research all information about their funded projects and published articles. This project was done in cooperation with the Computer Center at JUST.
- Acting as a liaison officer for the "Support to Research and Technological Development and Innovative Initiatives and Strategies in Jordan" project (SRTD), which is supported by the Higher Council of Science and Technology and the European Union. The SRTD project is focusing on accelerating the integration of Jordan into the European Research Area by fostering networking of Jordanian research community with other European entities and its participation in EU programmes.
- Acting as a Legal Entity Appointed Representative (LEAR) for Jordan University of Science and Technology at the European Commission.

### **Chairman, Department of Crop Production**

- The Head of "the Curriculum Development Committee", which was responsible for developing the curriculum of the undergraduate programme at the Department of Crop Production to meet the standard requirements of the Ministry of Higher Education in Jordan.
- Appointing the Appropriate committees such as the Graduate Student Committee, Scientific Research Committees, Curriculum Development Committees, Faculty Promotion Committees and other needed committees.
- Reviewing and evaluating the Promotion Procedure of the Faculty Members by appointing the appropriate committee.
- Directing the teaching, research, and extension at the Department for achieving the Department goals.
- Directing the experimental units belonging to the Department.



### **Attended Conferences (Administrative)**

- Attending the 3<sup>rd</sup> project meeting of NET KITE (Cross-border Network to foster Knowledge-intensive business Incubation and Technology transfer), Nicosia, Cyprus, 29– 31 October, 2014.
- Attending the 2<sup>nd</sup> project meeting of NET KITE (Cross-border Network to foster Knowledge-intensive business Incubation and Technology transfer), Marsa Matrouh, Egypt, 22-22 May, 2014.
- Attending the Eighth Jordanian International Electrical and Electronics Engineering Conference, Landmark Hotel, Amman Jordan 16-18 April, 2013.
- Attending the Scientific Day of Faculty of Engineering, Jordan University of Science and Technology, Irbid, Jordan.
- Attending the 7<sup>th</sup> Scientific Agricultural Conference, Faculty of Agriculture, Jordan University of Science and Technology, Irbid, Jordan, October 8-10, 2012.
- The second International Workshop in Civil Engineering, Jordan University of Science and Technology, Irbid, Jordan 20-21 June 2012.
- Chairman of the Organizing committee for “The First Funded Scientific Conference at JUST” organized by the Deanship of Research and Faculty of Graduate Studies at Jordan University of Science and Technology, 24 April, 2012, Irbid, Jordan.
- Attending the Scientific Day of Faculty of Science and Arts, Al-Karama Auditorium, Jordan University of Science and Technology, Irbid, Jordan. 2 May, 2012.
- Attending “The Fifth Conference on Scientific Research in Jordan”, 19 November 2011, Landmark Hotel, Amman, Jordan.
- Participating in a training course entitled “Science & Technical Management Training Course for Researchers in OIC Countries” under the sponsorship of Malaysia Government through the Malaysian Technical Cooperation Programme (MTCP), 11-16 December 2011, Kuala Lumpur, Malaysia.
- Chairman of the organizing and reviewing committee for the workshop “The role of scientific research in production of biogas from plant and animal wastes”, organized by the Federation of Arab Scientific Research Councils, in collaboration with Deanship of Research, Jordan University of Science and Technology, Irbid, 16-17 March, 2011.

- First International Nuclear and Renewable Energy Conference, Sunday March 21, 2010, at Al-Farouq Auditorium, Jordan University of Science and Technology, Irbid, Jordan.
- Research Connection 2009. May 7-8, Prague, Czech Republic.
- SRTD Liaison Officers Second Internship 2009. November 7-14, Brussels, Belgium and Bonn, Germany.
- Member of the organizing and reviewing committee for “The Fourth Conference for Scientific Research in Jordan”, section of “Seed Production”, Amman, Jordan, 7 November, 2009.
- Fulbright Visiting Scholar Conference: The Rule of Law: A View from the American West. The Council for International Exchange of Scholars and the Institute of International Education. April 2-5, 2008, Denver, CO, USA.

#### **Attended Meetings and Workshops**

- EUMEDCONNECT2 (EU-Med Event 2). The Research and Education Network for the Mediterranean (e-Infrastructures in the Mediterranean). November 4, 2008, Amman, Jordan.
- Fourth Jordan National Tempus Day. National Tempus Office Jordan. February 25, 2009, Amman, Jordan.
- Liaison Officers Meeting. The “Support to Research and Technological Development and Innovation Initiatives and Strategies in Jordan” project (SRTD). March 22, 2009, Amman, Jordan.
- Framework Programme 7 (FP7). The “Support to Research and Technological Development and Innovation Initiatives and Strategies in Jordan” project (SRTD). April 20, 2009, Irbid, Jordan.
- Training course: “Initial Liaison Officer Training”. The Higher Council for Science and Technology and the “Support to Research and Technological Development and Innovation Initiatives and Strategies in Jordan” project (SRTD).
- Training course: “Framework Programme 7 (FP7) Advisor”. The Higher Council for Science and Technology and the “Support to Research and Technological Development and Innovation Initiatives and Strategies in Jordan” project (SRTD). May 10-13, Amman, Jordan.
- Workday: “EU Jordan Research Funding Opportunities”. The Higher Council for Science and Technology and the “Support to Research and Technological

Development and Innovation Initiatives and Strategies in Jordan” project (SRTD). May 18, Irbid, Jordan.

- Workday: “EU-Jordan Research: Opportunities for Funded Collaboration and Research Grants Awarding Ceremony”. The Higher Council of Science and Technology and the Support to Research and Technological Development and Innovation Initiatives and Strategies in Jordan (SRTD). May 21, 2009, Amman, Jordan.
- Liaison Officers’ Meeting Presentation for “The Learning Experience from Attending the Research Connection 2009 Conference in Prague, Czech Republic”. The “Support to Research and Technological Development and Innovation Initiatives and Strategies in Jordan” project (SRTD). June 3, 2009. Amman, Jordan.
- Workshop: "Writing Proposal for FP7 People Programme". The “Support to Research and Technological Development and Innovation Initiatives and Strategies in Jordan” project (SRTD). In two locations: Al-al-Bayt University, Al Mafraq, Jordan (July 28, 2009) and Amman (July 30, 2009).
- Meeting: “Bridging Science and Business: Laying the Foundations”, The “Support to Research and Technological Development and Innovation Initiatives and Strategies in Jordan” project (SRTD). December 10, 2009, the Founders Hall, Mechanical Design Centre, Royal Scientific Society, Amman.
- Fifth Jordan National Tempus Conference. December 14, 2009, University of Jordan, Amman.
- Workshop: “Preparing the National Scientific and Technological Policies and Strategies for Years (2011-2015)”. The Higher Council for Science and Technology. January 25, 2010, Princess Sumaya University for Technology, Amman.
- The 2<sup>nd</sup> Bridging Science and Business Meeting for Liaison Officers, the “Support to Research and Technological Development and Innovation Initiatives and Strategies in Jordan” project (SRTD). February 11, 2010, Landmark Hotel, Amman.
- Attending the inception workshop to launch the MDG F Joint Program “Adaptation of climate change to sustain Jordan’s MDG Achievements”. March 4, 2010, Crowne Plaza, Amman, Jordan.
- Attending the inauguration of “the Technology Transfer Branch Office (TTBO)” at JUST. March 15, 2010, Jordan University of Science and Technology, Irbid, Jordan.

- Workshop: "Second FP7 People Program". The "Support to Research and Technological Development and Innovation Initiatives and Strategies in Jordan" project (SRTD). April 14, 2010, Jerash University, Jerash, Irbid.
- Attending the Launching Ceremony of "The National Campaign on Public Awareness for the Drivers of Change" and "the Opening of the 15<sup>th</sup> Jordan Science Week (Science and Technology: Drivers of Change?)". Under the Gracious Patronage of His Majesty King Abdullah II ibn Al Hussein, Princess Sumaya bint El Hassan, President of the El Hassan Science City. May 10, 2010, the El Hassan Science City Campus, Amman.
- The 4<sup>th</sup> Event of Bridging Science and Business for Liaison Officers, the "Support to Research and Technological Development and Innovation Initiatives and Strategies in Jordan" project (SRTD). June 2, 2010, Amman, Jordan.
- Attending a workshop about "National Strategy for Start-ups and Incubation 2010-2015", organized by Jordan Enterprise Development Corporation (JEDCO), at *Le Meridien* Hotel, Amman, 1 August, 2010.
- Attending a workshop about "The standards and procedures in classification of Jordan universities", organized by the Accreditation Commission, Higher Education of Institute, 9 August, 2010, University of Jordan, Amman, Jordan.
- Attending a workshop about "Science, Technology, and Innovation Statistics" organized by the Higher Council for Science and Technology and the UNESCO Institute of Statistics, Amman, Jordan, October 18-20, 2010.
- Sixth Jordan National Tempus Conference. December 15, 2010, University of Jordan, Amman.
- Attending the "Final Conference and Exhibition", organized by the Support to Research and Technological Development and Innovation Initiatives and Strategies in Jordan (SRTD Project). Under the Patronage of his Royal Highness Prince EL Hassan Bin Talal, at *Le Meridien* Hotel, Amman, 9 December, 2010.
- Attending a workshop "Refining the strategic approaches to investment promotion in Jordan", organized by Jordan Investment Board, Korea International Cooperation Agency, Sheraton, Amman, 24 January, 2011.
- Attending a workshop "Discussion on Research and Higher Education", held at Columbia University Middle East Research Center (CUMERC), Amman, 5 April, 2011.
- Attending a workshop "A Study on potential institutional mechanism for future collaboration between policy and research institutions in relations to Rio conventions", Second workshop, organized by International Research Center for

Water, Environment, and Energy at Al-Balqa Applied University, Ministry of Environment, UNDP, Crowne Plaza, Amman, 11 July, 2011.

- Attending a workshop “Building database on national, regional, and international funding agencies”, program for capacity building of the Jordan research community, organized by the Higher Council for Science and Technology, held at Princess Sumaya University for Technology, Amman, 17 September 2011.
- Attending a workshop “Proposal preparation and writing”, program for capacity building of the Jordan research community, organized by the Higher Council for Science and Technology, held at Princess Sumaya University for Technology, Amman, 24 September 2011.
- Attending a workshop “Project implementation and monitoring”, program for capacity building of the Jordan research community, organized by the Higher Council for Science and Technology, held at the Higher Council for Science and Technology, Amman, 1 October 2011.
- Attending a workshop “The second workshop in current trends in nanoscale VLSI design”, organized by The Jordan Europe Wide Enhanced Research Links in ICT project, Jordan university of Science and Technology, Irbid, Jordan, 7 November, 2012.
- Attending a workshop about “Intellectual property rights and commercialization”, Technology Transfer Office, Deanship of Research, Jordan University of Science and Technology, Irbid, Jordan, 17 March, 2013.
- Attending the “Program of strategic negotiation of universities’ presidents, deans of scientific research, deans of faculties of graduate studies at the public and private universities in Jordan”, organized by the Royal Jordanian National Defense College at the Royal Jordanian National Defense Collage, 16 May, 2013.
- Attending a panel discussion “stimulating educational environment for scientific research and innovation), held at the Ara’a Newspaper in partnership with the Supreme Council of the population, 16 June, 2013.

## **Teaching Competencies**

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<b>Code</b>	<b>Course Name</b>
PP792	Special Topic in Field Crops (Seed Physiology)
PP793	Special Topic in Horticulture (Seed Physiology)

PP311	Field Crops Production
PP314	Seed Production and Technology
PP205	Lab: Introduction to Plant Science
AE205	Crop Science
AE207	Lab: Crop Science
PP401	Practical Training 1
PP402	Practical Training 2
PP491	Undergraduate Seminar
PP799	Master Thesis
PP791	Graduate Seminar
AS492	Special Topic (Forage Crop Production)

## **Research Interests**

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- Acquisition of seed desiccation tolerance and vigor during seed development and maturation.
- Cultural practices to improve crop productivity in rainfed Mediterranean regions.
- Relationship of seed quality tests to field emergence under semiarid rainfed Mediterranean conditions.
- Breaking seed dormancy, enhancing seed germination and seedling establishment of major crops in Jordan.

## **Presentations**

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1. **Samarah, N.** Seed maturity and drying methods at harvest are critical to seed desiccation tolerance and quality: Impact on food security. Invited speaker in the 2<sup>nd</sup> Arab-American Frontiers of Science, Engineering, and Medicine Symposium, Muscat, Oman, 13-15 December 2014.

2. **Samarah, N.** Effect of polymer coating on germination of squash seeds. The International Annual Meeting of Crop Science Society of America (CSSA), Tampa, Florida, USA, November 5, 2013.
3. Abu-Rub, F., **Samarah, N.H.**, and T. Qasim. International university in the Middle East: Jordan University of Science and Technology Experience. Going Global, Internationalizing Higher Education, Dubai World Trade Center, 4–6 March, 2013.
4. **Samarah, N.**, N. Mazahrih, K. Bashabsheh. Effect of irrigation treatments using treated wastewater on grain yield of four barley cultivars. The International Annual Meeting of Crop Science Society of America (CSSA), Cincinnati, OH, USA, October 21-24, 2012.
5. **Samarah, N.**, N. Mazahrih, K. Bashabsheh. Effect of irrigation treatments using treated wastewater on grain yield of four barley cultivars. The First Funded Research Conference at JUST, Deanship of Research and Faculty of Graduate Studies, Jordan University of Science and Technology, Irbid, Jordan, April 24, 2012.
6. **Samarah, N.** Effect of fruit ripening stage and drying method on seed germination of eggplant (*Solanum melongena*). The International Annual Meeting of Crop Science Society of America (CSSA), San Antonio, TX, USA, October 16-19, 2011.
7. **Samarah, N.**, A. Alqudah, and M. Al-Mahasneh. Effect of developmental stage of durum wheat on seed germination and damage by *Rhizopertha dominica* during storage. The 29<sup>th</sup> International Seed Testing Association (ISTA) Congress, Cologne, Germany, June 16-22, 2010.
8. **Samarah, N.**, M. Al-Mahasneh, M., H. Ghosheh, A. Alqudah, and M. Turk. Acquisition of seed desiccation tolerance and vigor in wheat (*Triticum durum*) during maturation as influenced by drying methods. The International Annual Meeting of Crop Science Society of America (CSSA), Pittsburgh, PA, USA, November 1-5, 2009.
9. **Samarah, N.**, H. Ghosheh, M. Turk, M. Al-Mahasneh, and A. Alqudah. Acquisition of seed desiccation tolerance and vigor in wheat (*Triticum durum*) during maturation as influenced by drying methods. The Fourth Conference for Scientific Research in Jordan, Amman, Jordan, November 7, 2009.
10. **Samarah, N.H.**, R.E. Mullen, A. Alqudah. An index to quantify the relationship of seed moisture loss rate to seed desiccation tolerance in common vetch. The 98<sup>th</sup> Annual Meeting Association of Official Seed Analysts and 85<sup>th</sup> Annual Meeting Society of Commercial Seed Technology, St. Paul, MN, USA., June 6-11, 2008.

11. **Samarah, N.H.** and Ahmad Alqudah. Evaluation of four barley cultivars under terminal drought stress. The International Annual Meeting of Crop Science Society of America (CSSA), New Orleans, Louisiana, USA, November 4-8, 2007. (Abstract only).
12. Karam, N.S., R.A. Shibli, **N.H. Samarah**, A.A. Al-Khasawneh, N.M Al-Khasawneh, S.A. Qrashi. Black iris: a potential new floricultural crop from Jordan. VI International Symposium on New Floricultural Crops. Madeira, Portugal, June 11-15, 2007.
13. **Samarah, N.H.**, S. Kofahi. Relationship of seed quality tests to field emergence of aged barley seeds in the semiarid Mediterranean region. The Sixth Jordanian Agricultural Scientific Conference, Amman, Jordan, April 9-12, 2007.
14. **Samarah, N.** Slow drying improved desiccation tolerance of immature seeds of common vetch. The International Annual Meeting of Crop Science Society of America (CSSA), Indianapolis, Indiana, USA, November 12-16, 2006.
15. **Samarah, N.**, Abu-Yahya A. Effect of maturity stages for winter- and spring-sown chickpeas on germination and vigor of the harvested seeds. The International Annual Meeting of Crop Science Society of America (CSSA), Indianapolis, Indiana, USA, November 12-16, 2006.
16. Abu-Yahya, A., **Samarah, N.** Effect of maturity stages for winter- and spring-sown chickpeas on germination and vigor of the harvested seeds. The Second Agricultural Exhibition, Ministry of Agriculture, Irbid, Jordan, November 2-4, 2006.
17. **Samarah, N.** Seed vigor testing in four annual vetches. The Scientific Day of Faculty of Agriculture, Jordan University of Science and Technology, Irbid, Jordan, May, 2006.
18. **Samarah, N.**, Anas Abu-Yahya. Effect of maturity stages for winter- and spring-sown chickpeas on germination and vigor of the harvested seeds. The Scientific Day of Faculty of Agriculture, Jordan University of Science and Technology, Irbid, Jordan, May, 2006.
19. **Samarah, N.H.** Effect of seed "after-ripening" in pods on seed germination and vigor of common vetch (*Vicia sativa*). The 8<sup>th</sup> international Workshop on Seeds Germinating New Idea, Brisbane, Australia, May 8-13, 2005.
20. Al-Issa, T.A., **Samarah, N.H.** Effect of tillage systems on barley production under rainfed conditions of Jordan. The 5<sup>th</sup> Agricultural Scientific Conference, Al-Balqa' Applied University, Al-Salt, Jordan, May 8-12, 2005.



21. **Samarah, N.H.** Effect of drying methods on seed germination and dormancy of common vetch (*Vicia sativa*) harvested at different maturity stages. The 27<sup>th</sup> International Seed Testing Association Congress, Budapest, Hungary, May 16-23, 2004.
22. **Samarah, N.H.**, Massimii, M. Effect of seed size on seed quality, field performance, yield and yield components of two barley (*Hordeum vulgare* L.) cultivars grown under rainfed conditions. The Scientific Day of Faculty of Agriculture, Jordan University of Science and Technology, Irbid, Jordan, April, 2004.
23. Shibli, R., **Samarah, N.**, Karam, N., Qurashi, S. A study of *in vivo* and *in vitro* seed germination of black iris (*Iris nigricans*). The Scientific Day of Faculty of Agriculture, Jordan University of Science and Technology, Irbid, Jordan, April, 2004.
25. **Samarah, N.H.**, Mullen, R. The response of soybean seed quality to drought-acclimation treatments imposed prior to severe stress. The International Annual Meeting of Crop Science Society of America (CSSA), Minneapolis, Minnesota, USA, November 5-9, 2000.
26. **Samarah, N.H.**, Mullen R.E., Anderson I., and Scott P. Dehydrin-like proteins and soluble sugars accumulation in soybean seeds in response to drought stress. The International Annual Meeting of Crop Science Society of America (CSSA), Minneapolis, Minnesota, USA, November 5-9, 2000.
27. **Samarah, N.H.**, Mullen, R. Effect of drought stress acclimation on soybean seed yield and quality. Seed Science Conference, Iowa State University, USA, Spring, 1999.

## **Publications**

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### **Refereed Papers**

#### **Published**

1. Harb, A., Awad, D., **Samarah, N.H.** 2015. Gene expression and activity of antioxidant enzymes in barley (*Hordeum vulgare* L.) under controlled severe drought. Journal of Plant Interaction 10(1), 109-116.
2. Harb, A. and **Samarah, N.H.** 2015. Physiological and molecular responses to controlled severe drought in two barley (*Hordeum Vulgare* L.) genotypes. Journal of Crop Improvement 29(1), 82-94.

3. Al-Mefleh, N.K., **Samarah, N.**, Zaitoun, S., Al-Ghzawi, A.A.M. 2012. Effect of irrigation levels on fruit characteristics, total fruit yield and water use efficiency of melon under drip irrigation system. *Journal of Food, Agriculture and Environment*, 10 (2), 540-545.
4. Tadros, M.J., **Samarah, N.** and Alqudah, A.M. 2011. Effect of different pre-sowing seed treatments on the germination of *Leucaena leucocephala* (Lam.) and *Acacia farnesiana* (L.). *New Forests*, 42, 397-407.
5. **Samarah, N.H.**, Alqudah, A.M. 2011. Effects of late-terminal drought stress on seed germination and vigor of barley (*Hordeum vulgare* L.). *Archives of Agronomy and Soil Science*, 57(1), 27-32.
6. Alqudah, A.M., N.H. **Samarah**, R.E. Mullen. 2011. Drought Stress Effect on Crop Pollination, Seed Set, Yield and Quality. *In: Sustainable Agriculture Reviews Volume (6): Alternative Farming Systems, Biotechnology, Drought Stress and Ecological Fertilisation*, edited Eric Lichtfouse, Springer.
7. **Samarah, N.H.**, Abu-Yahya, A.E, Grusak, M. A. 2010. Effect of maturity stages for winter- and spring-sown chickpea (*Cicer arietinum* L.) on seed mineral content. *Journal of Plant Nutrition*, 33, 2094-2103.
8. Goussous, S.J., **Samarah, N.H.**, Alqudah, A.M., Othman, M.O. 2010. Enhancing seed germination of four crop species using an ultrasonic technique. *Experimental Agriculture*, 46(2), 231-242.
9. **Samarah, N. H.**, Alqudah, J. M., Amayreh, J. A., McAndrews, G. M. 2009. The effect of late-terminal drought stress on yield components of four barley cultivars. *Journal of Agronomy and Crop Science*, 195, 427-441.
10. **Samarah, N.H.**, Al- Mahasneh, M.M., Ghosheh, H.Z., Alqudah, A.M., Turk, M. 2009. The influence of drying methods on the acquisition of seed desiccation tolerance and the maintenance of vigour in wheat (*Triticum durum*). *Seed Science and Technology*, 38, 193-208.
11. **Samarah, N.H.**, Haddad, N., Alqudah, A.M. 2009. Yield potential evaluation in chickpea genotypes under late terminal drought in relation to the length of reproductive stage. *Italian Journal of Agronomy*, 3, 111-117.
12. **Samarah, N. H.**, Mullen, R. E., Anderson, I. 2009. Soluble sugar contents, germination, and vigor of soybean seeds in response to drought stress. *Journal of New Seeds*, 10(2), 63-73.
13. **Samarah, N.H.**, Ereifej, K. 2009. Chemical composition and mineral content of common vetch seeds during maturation. *Journal of Plant Nutrition*, 32(1), 177-186.

14. **Samarah, N.H.**, Mullen, R.E., Alqudah, A.M. 2009. An index to quantify seed moisture loss rate in relationship with seed desiccation tolerance in common vetch. *Seed Science and Technology*, 37, 413-422.
15. **Samarah, N.H.**, Mullen, R.E., Goggi, S., Gaul, A. 2009. Effect of drying treatment and temperature on soybean seed quality during maturation. *Seed Science and Technology*, 31, 469-473.
16. **Samarah, N.H.**, Qurashi, S.A., Karam, N. S, Shibli, R. A. 2009. *In vivo* and *in vitro* seed germination in black iris: A potential new floricultural crop from Jordan. Proceeding VI<sup>th</sup> IS on New Floricultural Crops, *Acta Horticulturae*, 813, 113-120.
17. Alrababah, M. A., Tadros, M. J., **Samarah, N. H.**, Ghosheh, H. 2009. Allelopathic effects of *Pinus halepensis* and *Quercus coccifera* on the germination of Mediterranean crop seeds. *New Forests*, 38, 261-272.
18. Zaitoun, S., Al-Ghzawi, A. A., **Samarah, N. H.** 2009. Distance from honeybee colonies and raceme order affect *Prosopis Juliflora* (Sw.) DC. flower pollination and seed set. *Advances in Horticultural Science*, 23(2) 81-86.
19. Al-Ghzawi, A.A., **Samarah, N.**, Zaitoun, S., Alqudah, A. 2009. Impact of bee pollinators on seed set and yield of *Vicia villosa* spp. *Dasycarpa* (*Leguminosae*) grown under semiarid conditions. *Italian Journal of Animal Science*, 8, 65-74.
20. **Samarah, N.H.**, Abu-Yahya, A. 2008. Effect of maturity stages of winter- and spring-sown chickpea (*Cicer arietinum* L.) on germination and vigour of the harvested seeds. *Seed Science and Technology*, 36, 177-190.
21. **Samarah, N.H.**, Al-Kofahi, S. 2008. Relationship of seed quality tests to field emergence of artificial aged barley seeds in the semiarid Mediterranean Region. *Jordan Journal of Agricultural Sciences*, 4(3), 217-229.
22. Zaitoun, S., Al-Ghzawi, A.A., **Samarah, N.**, Mullen, R. 2008. Pod Production of *Prosopis juliflora* (Sw.) DC. as affected by supplementary and honeybee pollination under arid conditions. *Acta Agriculturae Scandinavica, Section B, Plant Soil Science*, 1-8.
23. Zaitoun, S., Al-Ghzawi, A.A., **Samarah, N.**, Alqudah, A. 2008. Comparative study in seed yield and flowers attractivity to bee visitors between *Nigella sativa* L. and *Nigella Damascena* L. (*Ranunculaceae*) grown under semiarid conditions. *Italian Journal of Agronomy*, 2, 125-130.

24. **Samarah, N. H.** 2007. Osmotic and cold treatments prior to drying on germination of common vetch during maturation. *Journal of Seed Technology*, 29(1), 76-84.
25. **Samarah, N.H.** 2007. Slow drying improved desiccation tolerance of immature seeds of common vetch. *Seed science and Technology*, 35, 134-142.
26. Al-Issa, T.A., **Samarah, N.H.** 2007. Effect of tillage on wheat production under semi-arid Mediterranean condition. *Journal of Food, Agriculture, and Environment*, 5(1), 140-142.
27. Al-Issa, T.A., **Samarah, N.H.** 2007. The effect of tillage practices on barley production under rainfed conditions in Jordan. *American-Eurasian Journal of Agricultural and Environmental Sciences*, 2(1), 75-79.
28. **Samarah, N.H.**, Mullen, R.E., Cianzio, S., Scott, P. 2006. Dehydrin-like proteins in soybean seeds in response to drought stress during seed filling. *Crop Science*. 46, 2141-2150.
29. **Samarah, N.H.** 2006. Effect of air-drying immature seeds in harvested pods on seed quality of common vetch (*Vicia sativa* L.). *New Zealand Journal of Agricultural Research*. 49, 331-339.
30. **Samarah, N.H.**, Mullen, R.E. 2006. Total soluble and dehydrin-like proteins in full-rounded and shriveled seeds of soybean in response to drought stress. *Journal of Food, Agriculture, and Environment*, 4(1), 260-263.
31. **Samarah, N.H.**, Al-Issa, T.A. 2006. Effect of planting date on seed yield and quality of barley grown under semi-arid Mediterranean conditions. *Journal of Food, Agriculture, and Environment*, 4(2), 222-225.
32. **Samarah, N.H.** 2006. Seed vigor testing in annual vetches. *Agricoltura Mediterranea*, 136, 128-133.
33. **Samarah, N.H.**, AL-Kofahi, S. 2006. Effects of aging on seedling emergence and establishment of barley under soil moisture stress. *Seed Research*, 34(2), 128-133.
34. Al-Mahasneh, M.A., **Samarah, N.H.** 2006. Effect of seed mechanical damage and shriveling on germination and vigor of two wheat (*Triticum durum*) varieties. *Seed Research*, 34(2), 191-195.
35. Al-Issa, T.A., **Samarah, N.H.** 2006. Tillage practices in wheat production under rainfed conditions in Jordan: An economic comparison. *World Journal of Agricultural Sciences*. 2(3): 322-325.

36. **Samarah, N.H.** 2005. Effect of drought stress on growth and yield of barley. *Agronomy for Sustainable Development*, 25, 145-149.
37. **Samarah, N.H.** 2005. Effect of drying methods on germination and dormancy of common vetch (*Vicia sativa* L.) seed harvested at different maturity stages. *Seed Science and Technology*, 33, 733-740.
38. **Samarah, N.H.**, Abu-Zanat, M. 2005. Effect of maturation and hardseededness-breaking treatments on seed germination in *Vicia monantha*. *Agricoltura Mediterranea*. 135(1), 44-51.
39. Abu-Zanat, M.M.W., **Samarah, N.** 2005. Physical and chemical treatments for enhancing seed germination of oldman saltbush (*Atriplex nummularia* L.). *African Journal of Range and Forage Science*, 22(2), 141-145.
40. Tadele, A., Haddad N.I., Malhotra, R., **Samarah, N.** 2005. Induced polygenic variability in Kubuli chickpea (*Cicer arietinum* L.) lines. *Crop Research*, 29(1), 118-128.
41. **Samarah, N.**, Mullen, R., and Cianzio, S. 2004. Size distribution and mineral nutrients of soybean seeds in response to drought stress. *Journal of Plant Nutrition*, 27(5), 815-835.
42. **Samarah, N.H.**, Allataifeh, N., Turk, M.A., and Tawaha, A.N. 2004. Seed germination and dormancy of fresh and air-dried seeds of common vetch (*Vicia sativa* L.) harvested at different stages of maturity. *Seed Science and Technology*, 32, 11-19.
43. **Samarah, N.H.** and Mullen, R.E. 2004. Effect of maturity stage on seed germination and vigor of common vetch (*Vicia sativa* L.). *Journal of Seed Technology*, 26(1), 27-37.
44. **Samarah, N.H.**, Allataifeh, N., Turk, M.A., and Tawaha, A.N. 2003. Effect of maturity stage on germination and dormancy of fresh and air-dried seeds of bitter vetch (*Vicia ervilia* L.). *New Zealand Journal of Agricultural Research*, 46, 347-354.
45. Turk M.A., Tawaha, A.R., **Samarah, N.** 2003. Effects of seeding rate and date and phosphorus application on growth and yield of narbon vetch (*Vicia narbonensis*). *Agronomie*, 23, 355-358.
46. Turk, M.A., Tawaha, A.M., **Samarah, N.H.** 2003. The response of wild oats (*Avena fatua* L.) to sowing rate and herbicide application. *African Journal of Range and Forage Science*, 20(3), 239-242.

47. Turk, M.A., Tawaha, A.M., **Samarah**, N., Allataifeh, N. 2003. The response of Awnless six row barley (*Hordeum vulgare* L.) to nitrogen fertilizer application and weed control methods in absence of moisture stress. Pakistan Journal of Agronomy, 2(2), 101-108.

### **Submitted:**

1. Samarah, N.H., Alqudah, A.M., Al-Mahasneh, M.M. Effect of developmental stage of durum wheat on seed germination and damage by *Rhizopertha dominica* during storage.

## **Master Theses**

### **Major Advisor**

1. Afaf Almadadha. 2008. Characterization of several accessions of medics at the morphological and molecular levels. Jordan University of Science and Technology, Irbid, Jordan.
2. Maha Al-Mahasneh. 2008. Acquisition of desiccation tolerance in wheat (*Triticum durum*) during maturation as influenced by drying methods. Jordan University of Science and Technology, Irbid, Jordan.
3. Ahmad Alqudah. 2007. Evaluation four barley cultivars under terminal drought stress. Jordan University of Science and Technology, Irbid, Jordan.
4. Anas Ezziddine Abu-Yahya. 2006. Effect of maturity stages for winter- and spring-sown chickpea on germination and vigor of the harvested seeds. Jordan University of Science and Technology, Irbid, Jordan.
5. Muhanned Al-Massami. 2004. Effect of seed size on performance, yield and yield components of barley grown under rainfed conditions of Jordan. Jordan University of Science and Technology, Irbid, Jordan.
6. Salman Alkofahi. 2003. Relationship of seed vigor tests to field performance of aged barley (*Hordeum vulgare* L.) seeds. Jordan University of Science and Technology, Irbid, Jordan.
7. Tadele Made Nure. 2002. Induction in variability in chickpea (*Cicer arietinum*) using gamma radiation. Jordan University of Science and Technology, Irbid, Jordan.

### **Co-advisor**

8. Summer Al Qurashi. 2005. A study of *in vivo* and *in vitro* seed germination of black iris (*Iris nigricans* Dinismore). Jordan University of Science and Technology, Irbid, Jordan.

### **Committee Member**

9. Ala Faisal Al-Alfaeshat. Growth and water relations of drought-stressed Irhab tomato as compared with Amani and GS-12 Tomato, Hashemite University, 2011.
10. Noor Husain Al-Momani. 2010. Application of treated wastewater in green fodder production under hydroponic conditions in Jordan. Jordan University of Science and Technology, Irbid, Jordan.
11. Malek Al-Wadyan. 2010. The impact of honeybee visitations on pod and seed set of carob trees *Ceratonia siliqua*. Jordan University of Science and Technology, Irbid, Jordan.
12. Yahya Othman. 2005. Evaluation of barley cultivars grown in Jordan for salt tolerance. Jordan University of Science and Technology, Irbid, Jordan.
13. Afaf Abdullah Al-Adamat. 2004. Taxonomy and ecology of natural vegetation in Humrit Al-Sahin Sult-Jordan. Jordan University of Science and Technology, Irbid, Jordan.
14. Olani Nikus. 2002. The influence of organic and inorganic fertilizer on herbage and grain yield of two grain sorghum (*Sorghum bicolor* L.) cultivars. Jordan University of Science and Technology, Irbid, Jordan.
15. Amal Nabeil Alkhateeb. 2002. Influence of seed osmopriming on germination and seedling growth of two onion (*Allium cepa* L.) cultivars. Jordan University of Science and Technology, Irbid, Jordan.
16. Girma Hailemichael Gebree. 2002. Propagation of *cercis siliquastrum* (Judas tree) by seed and stem cutting. Jordan University of Science and Technology, Irbid, Jordan.
17. Nawal Abdo Al-Hajaj. 2001. Influence of a barley-fallow rotation and primary tillage operations on weed interference and seed bank. Jordan University of Science and Technology, Irbid, Jordan.

### **Funded Research Projects**

<b>Project No.</b>	<b>Title</b>	<b>Funding</b>
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		<b>Date</b>
	Effect of drought stress on soybean yield and seed quality and efficiency of Stoller products in reducing stress effects	May, 1998
111/2001	Effect of drought stress during seed filling stage on seed quality of barley ( <i>Hordeum vulgare</i> )	October 7, 2001
52/2002	Relationship of seed vigor tests to field performance of aged barley seeds	June 23, 2002
155/2002	Effect of physical grain properties on seed germination and vigor of mechanically harvested wheat in Jordan	December 31, 2002
49/2003	Screening chickpea genotypes ( <i>Cicer arietinum</i> ) for duration and rate of seed filling under terminal drought stress in Jordan	April 8, 2003
141/2003	Effect of seed size on field performance, yield, and yield components of two barley cultivars grown under rainfed conditions of Jordan	November 11, 2003
68/2004	Effect of maturity stage on germination and dormancy of fresh and air-dried seeds of bitter vetch ( <i>Vicia ervilia</i> L.)	April 25, 2004
96/2004	A study of <i>in vivo</i> and <i>in vitro</i> seed germination of black iris ( <i>Iris nigricans</i> Dinsmore)	June 14, 2004
89/2005	Allelopathy in the Mediterranean forest ecosystem	May 4, 2005
116/2005	Effect of maturity stages for winter- and spring-sown chickpeas on germination and vigor of the harvested seeds.	July 7, 2005
106/2006	Characterization of several accessions of medics at the morphological and molecular levels	May 23, 2006
12/2007	Evaluation of four barely cultivars under	January 25,



	terminal drought stress	2007
100/2007	Acquisition of desiccation tolerance in wheat ( <i>Triticum durum</i> ) during maturation as influenced by drying methods	May 10, 2007
254/2010	Effect of supplementary irrigation using treated wastewater on yield performance of four barely cultivars	January 1, 2011
	Development of drought tolerant wheat transgenic lines by the overexpression of drought responsive transcription factors from the model plant <i>arabidopsis</i>	2011
229/2012	Genotyping of coleoptiles length of various barley genotypes under different sowing dates and depths in relation to yield performance	December 9, 2012
223/2012	Effect of carbon nanotube on seed germination and seedling growth of common vegetable seeds in Jordan compared with other pre-sowing treatments	April 2012
	Production of medicinal/aromatic plants as a source of income for small community in Northern Jordan, submitted to African-Asian Rural Development Organization	Pending

## **Academic Services**

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### **Campus Activities**

#### Establishment of Seed Science Lab

Seed science lab was established, prepared, equipped, and supplied with glassware and essential chemicals during the 2001 and 2002.

#### Campus Committees

1. Curriculum Evaluation and Improvement Committee
2. Curriculum and Transfer of Equivalent Course Committee

3. Scientific Research Committee
4. Graduate Studies Committee
5. Consultant Committee for Production of Field Crops at Campus
6. Field Crops Production (PP313) Course Committee
7. PP313 Laboratory Manual Preparation Committee
8. Library Committee at Campus
9. Evaluation the undergraduate student candidates for Maqdadi's scholarship
10. Seminar (PP791) Committee
11. Scientific Seminar and Cultural Committee.
12. Faculty Equipments, Chemical, and Glassware Supplies Committee.
13. Faculty Member's Promotion Committee.
14. Faculty Sports Committee.

#### Training Courses Attended

1. Class Communication and Interaction Skills.
2. Educational Technology Workshop (26): Quality Control in University Teaching.
3. Educational Technology Workshop (29): Measurement and Evaluation.

#### Student Training

1. Training B.Sc's students under the program sponsored by the Jordanian Agriculture Engineer Association.
2. Training undergraduate students for seed quality analysis.

#### **Off-Campus Consultancy**

1. Consultant for Conservation and Sustainable Use of Dryland Agro-biodiversity in West Asia, Sponsored by ICARDA, UNDP, GEF, ACSAD, and Ministry of Agriculture.

2. Consultation study for Hanna Group, Syria about “Evaluation of seed quality of barley”, July 22, 2010.
3. Consultation through the National Programme “Faculty for Factory (FFF) diagnostics study” for Al Israa Nursery entitled “Overcoming seed thermodormancy in lettuce under high temperature”, 3 July – 8 October, 2011.
4. Consultation through the National Programme “Faculty for Factory (FFF) diagnostics study” for Trust Seeds Company entitled “Effect of seed coating on seed germination of squash seeds”, 20 June – 3 October, 2012.
5. Consultant for the project: “Website for Each University Professor”, conducted by the Ministry of Communications and Information Technology, the National Information Technology Center, Sponsored by UNESCO Funding, 2009 (<http://www.ifap-fm.jo/EN/about.aspx>).

## **Professional Affiliations**

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### **Memberships in Scientific Societies**

- International Seed Testing Association (ISTA), 2010-2011.
- Association of Jordanian Agricultural Engineers, Jordan, 1994-present.
- Crop Science Society of America (CSSA), USA, 2000, 2006-present
- The International Society for Seed Science (ISSS), UK, 2004
- Indian Society of Seed Technology, India, 2006.
- International Society of Food, Agriculture and Environment, Finland, 2005-present.

### **Editors and Reviewers**

- Reviewer for PLOS ONE Journal.
- External proposal evaluator for Qatar National Foundation.
- Regional editor for Journal of Food, Agriculture, and Environment, Finland, 2006-2009.

- Associate editor for World Journal of Agricultural Sciences, Pakistan, 2005-present.
- Reviewer for International Journal of Food Science and Technology, UK.
- Reviewer for Crop Science, USA.
- Reviewer for Journal of Agriculture and Food Chemistry, USA.
- Reviewer for Archives of Agronomy and Soil Science, Germany.
- Reviewer for Jordan Journal of Agricultural Sciences, Jordan.
- Reviewer for Agriculture Water Management, Elsevier.
- Reviewer for Scientia Horticulturae, Elsevier
- Reviewer for Dirasat, Published by University of Jordan.
- External evaluator for academic promotion to associate professor at the University of Khartoum.

## References

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