



Biographical Resume

Prof. Dr. Rida Shibli

Department of Agricultural Biotechnology and Genetic Engineering
Faculty of Agricultural technology
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Vital

Birth date: July 15, 1962

Birth Place: Mursa / Jarash, Jordan

Title: Professor of Plant Biotechnology and Biodiversity.

Education

- Sabbatical: Sept. 2005-Aug.2006. Department of Natural Resources and Environmental Sciences. University of Illinois, Urbana-Champaign, USA. Research: In vitro production of secondary metabolites from medicinal plants. Salinity tolerance in tomato in vitro.
- Fulbright: (used as sabbatical leave) Sept. 1999-Aug.2000. Purdue University, West Lafayette, IN, USA. Plant Tissue Culture/ Plant Cell Culture and Physiology. Research: Cell culture cold acclimation, cryopreservation, cell protein, carbohydrate, RNA and other physiological and biochemical aspects.
- Post Doctorate: Sept. 1995/Jan 1997. Department of Natural Resources and Environmental Sciences, University of Illinois, Urban-Champaign, USA. Plant Tissue Culture/ Plant Cell Culture and Physiology. Research: Production of secondary metabolites via cell culture; in vitro conservation and cryopreservation of plant cells.
- Post Doctorate: Sept. 1990/June 1991. Department of Applied Sciences, Langston

University. Langston, OK. USA. Research: Plant Physiology/ Salinity Stress.

- Ph.D. 1990. Department of Horticulture, University of Illinois. Illinois, USA. Horticulture, plant physiology and tissue culture. Thesis: In Vivo and In Vitro Physiological Studies of Water Requirements and Water Relations of Chrysanthemum morifolium Ramat.
- M.Sc. 1986. University of Jordan, Amman, Jordan. Plant Production, Physiology (Vegetable Crops). Thesis: Effect of Plant Population and Burst Application on Yield, Growth and Fruit Quality of Field Tomato in the Jordan Valley.
- B.Sc. 1984. Plant Production, College of Agriculture, University of Jordan, Jordan.

Professional Experience and Activities (Examples):

- Member, Higher Consultation Committee for Al Albyt University/ Sustainable Development and Research. Aug. 2022-present, Mafraq, Jordan.
- Local Consultant , FAO-Jordan Office, June 26-present. Amman, Jordan.
- Council Center Member; Nanotechnology Center. The University of Jordan. Amman – Jordan. October. 10/2/2022- present
- Dean. Faculty of Agricultural technology, Al-Ahliyya Amman University, Amman, Jordan. 6/2021- Present,
- The Advisory Board Member. The Jordan Journal of Agricultural Sciences. Deanship of Scientific Research. University of Jordan, Amman, Jordan. 6/2021- Present.
- Member. The Scientific Council of the Regional Center for Water, Environment and Renewable Energy. Jerash University. 3/2021
- Professor, 2/2021- Present, Department of Agricultural Biotechnology and Genetic Engineering, Faculty of Agriculture technology, Al-Ahliyya Amman University, Amman, Jordan
- Chair, Scientific committee, Shoman Foundation. Jordan, 11/2019-present
- Member, Shoman Foundation Fund Higher Committee, Shoman Foundation. Jordan, 11/2019-present
- Member, College of Reviewers, Research Quality Plus (RQ+), IDRC, Ottawa, Canada. 11/2019-present
- International Advisory Board; Jordan Journal of Earth and Environmental Sciences (JJEES). The Hashemite University, Zarqa –Jordan. July/2019- present
- President of Jordan Society for Scientific Research; Entrepreneurship and Innovation; 2/2019- Present.
- Executive Secretary of The Association of Agricultural Research Institutions in the Near East and North Africa (AARINENA), Jordan 2/2019- present
- Member, Agriculture partnership Council, Amman- Jordan. Jan. 28. 2019-present
- Council Center Member; Hmadi Mango Center for Scientific Research. The University of Jordan. Amman –Jordan. October. 2018- present
- Member in the Board of Trustees, Petra University, Jordan 11/ 2017- Present
- Member of the editorial board of Jarash University Journal of Agricultural Sciences, Jerash – Jordan, 2017- Present
- The Senate member, 27/9/2016- 9/2020, Jordan.

- Member of Health, Environment and Population Committee, The Senate. 9/2016- 9/2020
- Member of Agriculture and Water Committee, The Senate. 9 /2016- 9/2020
- Member of Education Committee, The senate. 9/2016- 9/2020
- Member Health and Enviroment Comitte, The Senat. 9/206-9/2020
- Minister of Agriculture, Jordan. 1/6/2016- 26/9/2016
- President, Mu'tah University, 1/4/2013- 31/5/2016. Jordan.
- Vice President. 3/2015-2/2019. Jordan Society for Scientific Research. Amman-Jordan
- Member, of the Panel of Referees, The El Hassan bin Talal Award for Scientific Excellence. Amman, Jordan. 2013.
- President, The University of Jordan Aqaba Branch, 1/4/2012- 51/4/2013. Jordan.
- Editor in chief, Jordan Journal for Agricultural Sciences, 04/2012-4-2016. Ministry of Higher Education, Amman, Jordan.
- Member in the Committee of " Format the Second National Report on the implementation of the Cartagena Protocol on Biosafety. Ministry of Environment. Amman, Jordan. 2011.
- Vice-President for Scientific Faculties and Institutes. 10/2010- 5/4/2013. University of Jordan, Amman, Jordan.
- University Board Member, University of Jordan, 9/2010-4/2013, Amman- Jordan.
- Member, Technical Committee, Agriculture and Veterinary Scientific Research. Scientific Research Fund. Ministry of Higher Education, Jordan. 2010.
- Member, The Higher Committee for Agriculture Research and Extension, Center for Agriculture Research and Extension, 2010-2015. Baqa, Jordan.
- Member, Who's Who in Agriculture Higher Education. Jan. 2010.
- Dean, Institute of Agriculture Research, Extension, Training and Education. 12/2009-10/2010. University of Jordan, Amman, Jordan.
- Member, Degrees and Certificate Monitoring Committee. Ministry of Higher Education, Jordan. 11/2009- 8/2010.
- Member, Agriculture Curriculum Supervising Committee, 12/2009-11/103. Ministry of Education. Amman, Jordan.
- Member, Committee, Research Priorities in Jordan (Agriculture and Veternary). 10/2009-5/2010. The Higher Council for Science and Technology, Amman, Jordan.
- Professor, 9/2008- 9/2016, Department of Horticulture and Agronomy, College of Agriculture, University of Jordan, Amman, Jordan.
- Faculty Board Member, 9-2008/8-2009. Faculty of Agriculture, University of Jordan, Amman, Jordan.
- Member, Jordan Biosafety Clearing House Committee, 8/2008-Present. Ministry of Environment, Amman, Jordan.
- Olive Program, The National Center for Agricultural Research and Technology Transfer

- (NCARE), Baq'a, Jordan. 2008- 2015.
- Member, Evaluation Committee of the Arab Center for Biotechnology and Genetic Engineering. 2008-2009. The Arab Authority for Agriculture Investment and Development. Sudan.
 - Associated Editor, In Vitro Cellular and Developmental Biology-Plant, USA. 2007-2016.
 - Assistant President. 2/2007- 3/2015. Jordan Society for Scientific Research. Amman-Jordan
 - Editorial Board Member. Jordan Journal of Agricultural Sciences. 2005-2012.
 - Director, Center for Agriculture Research and Production. 9/ 2004- 8/ 2005. Jordan University of Science and Technology. Irbid-Jordan. Professor.
 - Reviewing Editor, In Vitro Cellular and Development Biology-Plant.2004-2007.
 - Member, Technical Committee, Conservation of the Medicinal and Herbal Plants Project. Ministry of Planning. May 2003 – 2005.
 - Member, The higher Coordination Committee, The National Strategy for Agriculture Development, Ministry of Agriculture, Jordan. Jan. 2003 – Jan.2005.
 - Member, the Science Committee, the National Strategy for Agriculture Development, Ministry of Agriculture, Jordan. Jan. 2003 – Jan. 2005.
 - Communal Management And Optimization Of Mechanized Microcatchment Water Harvesting For Combating Desertification In The East Mediterranean Region. The International Center For Agricultural Research In The Dry Areas. 2003
 - Dean, College of Agriculture. 10/2002-8/2005. Jordan University of Science and Technology, Irbid, Jordan.
 - Board member of the National Center for Research and Extension (NCARE). Baqa, Jordan. 11/2002- 8/2009.
 - Professor, 8/2001-8/2008. Department of Plant Production, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
 - University Board Member, 9/2001/ - 9/2008. Jordan University of Science and Technology, Irbid. Jordan.
 - Technical Committee for Herbal Plants in Jordan, Member, 1 / 2001-1/2007. National Center for Agriculture Research and Technology Transfer (NCAR-TT). Baqa, Jordan.
 - National Plant Genetic Resources Committee, Member, 1 / 2001-1/2007. National Center for Agriculture Research and Technology Transfer (NCAR-TT). Baqa
 - Chairman, Plant Propagation Group, Agriculture Biodiversity Project 1/ 2000 – 8/2005, Plant Biodiversity Project. National Center for Agriculture Research and Technology Transfer (NCARTT). Baq'a, Jordan.
 - Fulbright Scholar. 9/1999-8/ 2000. Department of Agronomy, Purdue University, West Lafayette, IN. USA.
 - Chairman, Dept. Plant Production, 8 / 1998-8 / 1999, College of Agriculture. Jordan University of Science and Technology. Irbid-Jordan.
 - Associate Professor, 8/1997-2002. Department of Plant Production, Jordan University of Science and Technology, Irbid-Jordan

- Director, Center for Agriculture Research and Production. 2/ 1997-8/1998. Jordan University of Science and Technology. Irbid-Jordan.
- Researcher, 8/1995- 8/1996. Department of Natural Resources and Environment. University of Illinois, Urbana IL 61801.
- Director, Center for Agriculture Research and Production. 9 / 1994-8 / 1995. Jordan University of Science and Technology. Irbid-Jordan.
- Plant Genetic Resources Committee. 8/1994-8/1995. National Center for Agriculture Research and Technology Transfer (NCAR-TT). Baqa, Jordan.
- Director, Biotechnology Section, 1/1993-8/1995. Jordan University of Science and Technology. Irbid- Jordan.
- Coordinator, Plant Tissue Culture Projects, 1/1992-8/1995. Jordan University of Science and Technology. Irbid- Jordan.
- Biotechnology Committee, Member, 3/1992-8/1995. Jordan University of Science and Technology, Irbid-Jordan.
- Plant Tissue Culture Committee, Member, 2/1992-8/1995. Jordan University of Science and Technology, Irbid-Jordan.
- Assistant Professor, 7/1991-8/1997. Department of Plant Production, Jordan University of Science and Technology, Irbid-Jordan.
- Faculty Board, Member. 7/1991-8/2008. College of Agriculture. Jordan University of Science and Technology, Irbid-Jordan.
- University Faculty, Member, 7/1991- 8/2008. Jordan University of Science and Technology, Irbid-Jordan.
- University Board, Member. 9/1991-9/1992. Jordan University of Science and Technology, Irbid-Jordan.
- Department Committee, Member, 7/1991-8/2008. Department of Plant Production, Jordan University of Science and Technology, Irbid-Jordan.
- Department Board Secretary, 9/1991-9/1992. Department of Plant Production, Jordan University of Science and Technology, Irbid-Jordan.
- Assistant Professor, 9/1990-1991. Department of Applied Sciences-Horticulture. Langston University, Langston, OK, USA.
- Graduate Research Assistant, 8/1988-5/1991. Department of Horticulture/University of Illinois, Urbana, Illinois, USA.
- Teaching and Research Assistant, 2-8/1988. Faculty of Agriculture, Jordan University of Science and Technology, Irbid-Jordan.
- Zarqa Valley Basin Development Project Committee, 2-8/1988, Ministry of Agriculture, Amman-Jordan.
- Al-Wir Fruit Tree and Vegetable Farm Planning Committee, Member, 2/1986-8/1988, Zarqa-Jordan.
- Director of the University Orchard, 6/1987-2/1988. Jordan University of Science and

Technology, Irbid-Jordan.

- Director and Propagator, 8/1986-6/1987. Al-Wir Nurseries, Zarqa, Jordan.
- Farming Engineer and Consultant, 1-6/1986. Al-Wir Fruit Tree and Vegetable Farm, Zarqa, Jordan.
- Al-Wir Nurseries Planning Committee, 2/1986-8/1988. Zarqa-Jordan.
- Graduate Research and Teaching Assistant, 2/1984-2/1986. Faculty of Agriculture, University of Jordan, Jordan.

Honors (Examples):

- **The 2019 'Best Paper Award'** published by the Sultan Qabous University (SQU) Agricultural and Marine Sciences Journal. Paper entitled "Improving Solanin production in in-vitro cultures of Solanum nigrum L. using different chemical and physical factors". Sultan Qaboos University. Oman.
- **The 2019 ACES Award of Merit.** College of Agricultural, Consumer and Environmental Sciences (ACES) Alumni Association. University of Illinois. USA.
- **Philadelphia University Award** for best authorized book "Plant Genetic Resources and their Preservation methods", Amman- Jordan, 2013.
- **ISESCO Prize in Science and Technology (in Biology)**, Islamic Educational, Scientific and Cultural Organization. Rabbat Morocco, 2012.
- **Ali Mango Distinguished Researcher Award for Scientific Faculties**, Hamdi Mango Center for Scientific Research (HMCSR), University of Jordan, Amman, Jordan, 2011.
- **University Distinguished Researcher Award**, University of Jordan, Amman, Jordan, 2011.
- **University Distinguished Researcher Award**, University of Jordan, Amman, Jordan, 2010.
- **Distinguished Research Award (Agriculture Sector)**, The Ministry of Higher Education, 2008, Amman, Jordan.
- **Iris Award for Distinguished Agricultural Research**, The Technical Consultancy Center. Amman, Jordan. 2006.
- **Applied Research Award**, The Agricultural Engineers Association, 2006, Amman, Jordan.
- **Distinguished Researcher Award (Agriculture Sector)**, The Ministry of Higher Education, 2004, Amman, Jordan.
- **The NCARTT/ICARDA honorarium**, 2006, Due to efforts and contribution to the agricultural research and development, Amman, Jordan.
- **Arab Fund Fellowship Program Award**, Distinguished Scholars, Arab Fund for Social Development, 2005, Kuwait.
- **The National Center For Agriculture Research and Technology Transfer Plaque**

(Awarded for Distinguished Researchers in Agriculture in Jordan) 2003, Jordan.

- **The Scientific Foundation of Hisham Adeeb Hijjawi Award** (awarded to best applied researches in Jordan) in Agriculture Sector. 2001 (for the second time). Amman, Jordan.
- **One Year Seniority in Promotion to a Professor Rank.** 2001. Due to distinguish research work.
- **Fulbright Recipient,** 1999/2000.
- **American Biographical Institute,** Research Board of Advisors, 1998.
- **King's Reward. 1997.** Distinguished Scientists at Jordan University of Science and Technology. Irbid, Jordan.
- **Showman Foundation Prize for Young Arab Scientists Agricultural Sector,** 1996.
- **Islamic Development Bank Scholarship** (Jeddah, Saudi Arabia). 1995/1996.
- **The Scientific Foundation of Hisham Adeeb Hijjawi Award** (awarded to best applied researches in Jordan) in Agriculture Sector. 1994. Amman, Jordan.
- **Phi Kappa Phi,** 1990. University of Illinois, Urbana-Champaign, Illinois, USA.
- **Gamma Sigma Delta,** 1990. University of Illinois, Urbana-Champaign, Illinois, USA.
- **5.0 grade point average on a 5 point scale during Ph.D.** course work at University of Illinois. Urbana-Champaign, Illinois, USA.
- **King's Reward for University Top Graduate Students,** (M.Sc. student with the highest GPA) in his department at the University of Jordan, 1986. Amman-Jordan.
- **King's Reward for The University Outstanding Undergraduate Student,** (highest graduating student GPA in his department) at the University of Jordan, 1984. Amman-Jordan.

Society Membership (Examples):

- MEMBS – Middle East Molecular Biology Sources for the year 2017-2018 in accordance with the membership number A008870 Member,
- International Society for Horticultural Science. 2008-Present.
- Member, Jordan British Friendship Society, 2004 –Present. Amman, Jordan..
- Fulbright Alumni Member, 1999-Present. Amman, Jordan.
- Jordan Society of Scientific Research, 1999 – Present. Amman, Jordan.
- Agricultural Engineers Association (1987-Present). Amman, Jordan.
- Jordan Alumni Society for Graduates of U.S. Universities and Institutes (1998-Present).
- Cryoletters (1999-2000), UK.
- Bangladesh Association of Plant Tissue Culture (1999-2003).

Teaching Experience (primary responsibility):

- Plant Tissue Culture (MS program). 2009- present University of Jordan, Amman, Jordan.
- Plant Cell Culture (MS program). 2009- present University of Jordan, Amman, Jordan.
- Plant Science 101. Introductory Plant Science. 2008-Present. University of Jordan, Amman, Jordan.
- Genetic Engineering 423. Plant Biotechnology. 2007-2008. Jordan University of Science

- and Technology.
- Plant Production 423 (Plant Propagation), 2001 – 2008. Jordan University of Science and Technology. Irbid, Jordan.
 - Plant Production 725 (Plant Tissue Culture). 1997-2008. Jordan University of Science and Technology. Irbid, Jordan.
 - Plant Production 792 (Plant Cell Culture). 2001-2008. Jordan University of Science and Technology. Irbid, Jordan.
 - Plant Production 711 (Crop Physiology). 2001-2008. Jordan University of Science and Technology. Irbid, Jordan.
 - Plant Production 325 (Vegetable Production). 1997. Jordan University of Science and Technology. Irbid, Jordan.
 - Plant Production 621 (Plant Tissue Culture). 1993. The University of Jordan, Amman-Jordan.
 - Agriculture Science 322 (Deciduous Fruit Trees Production). 1992-1997. Jordan University of Science and Technology. Irbid-Jordan.
 - Agriculture Science 423 (Nursery Management). 1992-2008. Jordan University of Science and Technology. Irbid-Jordan.
 - Agriculture Science 319 (Practical Training in Agriculture). 1992-2008. Jordan University of Science and Technology. Irbid-Jordan.
 - Biology 322 (Plant Physiology). 1992-Present. Jordan University of Science and Technology. Irbid-Jordan.
 - Agriculture 200 (Floriculture) 1988. Jordan University of Science and Technology, Irbid, Jordan.
 - Plant Production 302 (Practices in Vegetable Production, lab section) 1984-1986. University of Jordan. Amman-Jordan.

Teaching Experience (guest lecturer and seminars)

Have given more than 300 lectures and seminars in different tissue culture, agriculture and environment disciplines in USA, Jordan, and many other countries.

Major Fund Received (examples):

2020 Application of tissue culture techniques for massive propagation, conservation, and investigation of medicinal properties of Ephedra Foeminea and Origanum petraeum (two endemic plants to Jordanian environment)

45.000 JD, Scientific Research Fund, Ministry of Higher Education, Jordan.

- 2019 New Business opportunities & Environmental suSTainability using MED GRAPE nano technological products. European Union **ENI CBCMED**. € 3.323.614,57.
- 2019 National Biodiversity Network. , Jordan, UNDP. \$ 35.000
- 2018 *In vitro* propagation and evaluation of the anticancer potentials for *Commiphora gileadensis*, an extinct plant from Jordan. Deanship of Research. University of Jordan. (total amount JD 17,000)
- 2017 Biosorption of toxic chromium, lead and cadmium from Jordanian surface water and biosynthesis of their nanoparticles by *Lactobacillus acidophilus*. 2017. Hamdi Mango Center For Scientific Research. The University of Jordan. (total amount JD 7,000)
- 2017 Application of Biotechnological approaches for massive propagation, conservation, enhancement of secondary metabolites production and assessment of genetic biodiversity and anti-oxidant, microbial and turmeric activities of *Salvia dominica* L. Deanship of Research. University of Jordan. (total amount JD 8,000)
- 2015 Application of tissue culture techniques for secondary metabolites production and cryopreservation of Jordanian Hairy nightshade *Solanum villosum* (L.) Mill Deanship of Research. University of Jordan. (total amount JD 15,000)
- 2013 *In vitro* propagation and *in vitro* conservation of wild Fennel (*Feniculum vulgare*).Deanship of Research. University of Jordan. (total amount JD 10,000)
- 2012 BOT-ERA Project, The Royal Botanic Garden (RBG) of Jordan , FP7-funded program. (total amount EURO 250,000)
- 2011 *In vitro* preservation and Cryopreservation of Transgenic Tomato plants (*Lycopersicon esculentum*) overexpressing novel cold tolerance genes. Deanship of Research . University of Jordan . (total amount JD 29,000)
- 2009 Micropropagation, and *In vitro* Conservation of *Arum palaestinum*. Deanship of Research . University of Jordan . (total amount JD 21,000).
- 2009 Production possibility of transgenic and preserved date palm resistant to Red Palm Weevil. Scientific Research Fund, Ministry of Higher Education. Jordan. (Total amount JD 81,000)
- 2009 Genetic diversity and *in vitro* conservation of selected endemic medicinal plant species grown in Jordan. Scientific Research Fund, Ministry of Higher Education.

Jordan. (Total amount JD 50,000)

- 2004 Molecular and morph-agronomic characterization and evaluation of landraces and wild types of some plant species natives to Jordan. The Higher Council of Science and Technology. Jordan. (Total amount of fund received JDs 22,777)
- 2001-2003 *In vitro* and *In vivo* propagation and conservation of black iris: The national flower of Jordan. Funded by the Higher Council of Science and Technology, Amman, Jordan. (Total amount of fund received, JDS 25,000).
- 1991-2008 Different projects were funded from the Deanship of Research at Jordan University of Science and Technology (Total amount of fund received is about JD 80,000).
- 1993 (Production of disease-free Vegetable seeds and seedlings via tissue culture). Funded by the Ministry of Agriculture (Agriculture Development Funding; ADF) JDS 79,400.
- 1993 Joint fund for the above mentioned project (The Higher Council of Science and Technology). , JDS 29,000

Research Experience (Examples)

- Wide understanding of plant Biotechnology and molecular characterization of plant genetic resources.
- Wide understanding of plant cell culture and secondary metabolites production.
- Wide understanding of plant physiology and tissue culture, Cryopreservation and Molecular Physiology.
- Wide understanding and experience with plant stress physiology and water relations research.
- Wide understanding of plant tolerance to salinity.
- Characterization of plant water requirements and monitoring plant water status.
- Developed a protocol for investigating in vivo and in vitro osmotic adjustment and osmoregulation as well as growth characterization under induced water stress conditions.
- Developed an in vitro system for screening plant responses to stress responses.
- Used Hydroponic system to study plant responses to saline stress conditions and the adaptaion of plants to water deficit.
 - Initiated an efficient micropropagation system for many plant species.
- Experienced in applying microcomputerized video image analysis to studies of in vivo and in vitro plant growth response to stress.
- Studied photosynthetic and expansion growth responses of plants to stress conditions.
- Investigated the effect of plant growth regulators on vegetable crop physical and chemical properties.
- Studied the effect of plant density on the yield, growth and quality of tomatoes.
- Have done massive research in plant tissue culture and micropropagation.

Workshops; Seminars and Training Courses (attended or participated) (Examples):

- Field Day, Date Palm Innovation Platform, Jordan Valley, organized by FAO and AARINENA, Aug. 30, 2022, Jordan.
- BESTMEDGRAPE event general agenda (26 – 28 September 2022)
BESTMEDGRAPE Steering committee meeting - Monday 26th September 2022
- The Asian Arab Parliamentary Annual Meeting for Population and Development. 2-3 March 2022. Cairo Egypt
- Smart agriculture. Aliyah Amman university. Feb. 2022. Salt, Jordan
- “OWSD-Jordan National Chapter Local Hub” And “The 2021 OWSD General Assembly” . JJSRE.
- Scientific research: writing proposal. AL Horani center for electronic education. Aliyah Amman university. Dec. 2021. Salt, Jordan.
- Contribution of National Institutions to the National Network for Biodiversity (NBN) in the southern region. Aqaba Governorate. National Biodiversity Network Project (NBN). The Jordanian Society for Scientific Research, Entrepreneurship and Innovation, in cooperation with the Royal Society for the Protection of the Marine Environment. 13-14 / 2/2021
- Workshop on Intellectual Property Rights for Innovation in Industrial and Agricultural Sectors in Support of Economic Development. United Nations ESCWA (Kempinski Hotel, Amman, Jordan, 14-15 December 2019).
- Regional Meeting On Promoting Food and Water Security In The Arab Region – United Nations – ESCWA; Amman- Jordan; 27-28-Nov/2019.
- Workshop on Implementing of National Goals to promote decent work in the Agricultural Sector in Jordan for the year 2019-2020. Movenpick Dead Sea / (11-12) / 10 /2019
- Counselor; China-Arab States Technology & Culture Transfer Center and China-Arab States Youth Entrepreneurship Park. Aug. 24th, 2019. China.
- The 7th ESCWA Technology Centre’s Technical Committee Meeting and ETC’s EGM on "Green Technology Transfer, Adaptation and Investment Required for Implementing SDG 12. 29-31. July.2019. Kempinski Hotel. Amman-Jordan.
- Fostering Innovation and Creativity to Bolster Global Competitiveness of Industries in Jordan. "Successes in Networking Jordanian Industries in the Academic Sector". A Newton-Khalidi Funded workshop. Prof. Rida Shibli; AARINEA, Agricultural Innovation Platforms, AARINEA's Role in Research, Networking and Innovation. May, 5.2019. Al Hussein Technical University, Maan –Jordan.

- Building Capacity for International University Cooperation and Research Collaboration International Conference and Workshops . U.S.-Jordanian University Cooperation Network (UCN). Panel Discussion; Roundtable for Research Leaders and Program or Center Directors: Setting Priorities for Cooperation. University of Jordan with North Carolina State University .June 24 – 26, 2019, Amman, Jordan
- "Jordanian Agricultural Marketing" Workshop, Center of Training and Scientific Research Station of the Agricultural Engineers Association, Al Karama / Jordan Valley . 9/3/2019.
- TAIEX Workshop on Impact of Climate Change on Agriculture, Ecosystems and Food Security organised in co-operation with National Agricultural Research Centre (NARC). Seven Roses Hotel. Amman-Jordan; Amman - Jordan - 15 - 16 April 2019.
- 2nd Meeting of ERASMUS+ CBHE 585822-EPP-1-2017-1-EL-EPPKA2-CBHE-JP project:Innovation for the Leather Industry in Jordan and Egypt (INNOLEA), NTUA, Patisision Complex (Patisision 42, Athens, Greece, 3-5 May 2018.
 - FoodQA workshops for the food industries in Jordan, which are part of the Erasmus+ FoodQA Project. Under the patronage of H.E. Senator Prof. Rida Shibli, the former Minister of the Ministry of Agriculture, and the Honorable Chairman of the Academia Industry Council, which is initiated by the FoodQA Project. April 28, 2018 in Jerusalem International Hotel, Amman - Jordan.
- SDGs readiness and advocacy in the Arab World 12-14 December 2017 Tunis, Tunisia
- Precision Engineering of the Genome – Ethical Perspectives in Societies with Islamic and Christian Heritage” of the Arab-German Young Academy of Sciences and Humanities (AGYA) in Tunisia, Hammamet-Nabeul, 15 -18 December 2017.
- The fourth training workshop on "Marriage and Family in the Arab Region" Cairo - Egypt (10-11 July 2017)
- “Entrepreneurship and Innovation Challenges in the 21st Century” . Ras Al Khaimah, November 12-15 as a keynote speaker. Genetically Modified Crops: Current Status and Future Prospects
- Asian and Arab Parliament meeting and study visit on population and development. Amman- Jordan. 2017.
- International Workshop of the Arab-German Young Academy of Sciences and Humanities (AGYA) Food Security, Migration and Climate Change, Keynote Speech: Climate Change and its impact on Agriculture ,30 November-3 December 2016, Agricultural University of Athens, Greece.
- 7th Annual International Arab Workshop on Biotechnology: Plant Biotechnology & Biodiversity. Oral presentation. August, 2016. Amman, Jordan. Rescuing endangered *Moringa peregrina* (Forssk.) Fiori by cryopreservation using

- vitrification and encapsulation-vitrification protocols.
- A regional symposium on "Scientific Research in the Arab countries: the challenges and solutions". Plant Biotechnology Research and its outputs in Jordan. Arab Open University, 18 to 19 March 2014.
 - Symposium on Restoring Degraded Ecosystems: Regional and International Perspectives at the Landmark Hotel The Royal Botanic Garden , March 2015
 - Royal Botanic Garden 1st Annual Scientific day. Amman, January 12, 2012.
 - Workshop on "enerMENA R & D Infrasructure Workshop- Almeria, support to establish R& D and test infrastructure at partner institutions, German Aerospace Center (DLR). 15-16/12/2011. Almeria Spain.
 - Shibli R.A. 2011. Basic vs. Applied Research in Jordan. Workshop on Research and Higher Education: A Discussion Hosted by Columbia University Middle East Research Center.
 - Workshop on "enerMENA Launching workshop" advanced CSP-Teaching Materials. 29-June/ 1 –July, 2011. Cologne, Germany.
 - Workshop on "The Use of Nanotechnology in Agriculture". The national Center for Agriculture Research and Extension. July, 26, 2010. Baqa, Jordan.
 - Workshop on Identification of Native Plants in Jordan to Prepare for A Red List. The Royal Botanical Garden. July 12, 2010, Amman, Jordan..
 - Workshop on Strengthening Capacities towards the Establishment of a Regional Platform for the Detection of Genetically Modified organisms. FAO and NCARE, July 28-30/7, 2009. Amman, Jordan.
 - Workshop on the Uses of the Synchrotron Center. Al-Zytoneh University. Amman, Jordan. June 2009.
 - Workshop on Promoting Innovation and Intellectual Property for Development. (April 27, 2008), Royal Scientific Society. Amman, Jordan.
 - Workshop on Freezing and Its Influences on Agriculture Sector in Jordan. The National Center for Agriculture Research and Extension (NCARE). April 2008, Baqa, Jordan.
 - Workshop on Launching the International Assessment of Agricultural Science and Technology Development (IAASTD) (October 8th 2008).. International Center for Agricultural Research in the Dry Areas. Amman, Jordan.
 - Training Course in Production of Virus Free Plants by Plant Tissue Culture. March, 16th, 2008.National Center for Agriculture Research & Extension. Baqaa, Jordan.
 - Workshop on Accreditation for Agriculture Specialties. April 23, 2005. Jerash University, Jordan.
 - Workshop on National Partnership in the Implementation of the National Biodiversity Strategy. March 14, 2005. Amman. Jordan.
 - WorkShop on Jordan National Network for Medicinal Plants. March 8, 2005. Jordan University of Science and Technology, Jordan.
 - Environmental Regulations with Perspectives to Biodiversity. Jordan Environment Society. July 29, 2004. Amman, Jordan.
 - Influence of Salinity on Plant Growth and Development (Plant physiology-growth stages/ germination). July 19-22, 2004. National Center for Agriculture

- Research and Technology Transfer (NCARTT). Baqa, Jordan. (Lecturer).
- Promoting Regional Cooperative Agricultural R&D in the Middle East. Binational Agricultural Research and Development Fund. July 6-7, 2004. Istanbul, Turkey.
- Upgrading and sustaining the parliamentarians participation in the understanding of Jordanian environmental legislation with reference to emerging key issues. Strategies of agriculture and its reflections on environment. May 3-4, 2004. Amman, Jordan.
- Regional Workshop on Technology Transfer. Association of Agricultural Research Institution in the Near East and North Africa (AARINENA). 11-13 April, 2004. Oman, Muscat.
- Sub-regional Workshop on Technology Transfer. FAO. March 31-April 1, 2004. Jordan University of Science and Technology, Irbid, Jordan
- Conjugate Research Project to Determine DNA-fingerprint of Different Olive Cultivars in Jordan, Egypt, and Morocco. Arabic Organization for Agricultural Development. Dec. 10-12, 2003. Cairo, Egypt.
- Food Security Projects of Jordan. FAO. Dec. 2, 2003. Amman, Jordan.
- The Frontiers of Science and Engineering. The national Academies, Advisors to the Nation on Science, Engineering, and Medicine. Istanbul, Turkey. September 21 – 23, 2003. KOC University.
- Biosafety in Agricultural Biotechnology, theoretical. 30 August – 1st September, 2003. Damascus, Syria.
- Biosafety in Agricultural Biotechnology, practical. September 1 – 4, 2003. Aleppo, Syria.
- Biosafety regulations. May 25, 2003. Ministry of Environment. Amman, Jordan.
- Medicinal and Herbal Plant Project. June 14, 2003. Ministry of Planning. Amman, Jordan.
- Agricultural Biotechnology Expert Meeting Oct. 27-29,2002. Coordination of agricultural biotechnology research efforts in the Arab world. Organized by the Arab organization for agriculture development, Cairo, Egypt (Participant)
- Commercialization of Genetically Modified Crops (GMC). April 14, 2002. American Embassy –USAID Program. Amman, Jordan. (participant).
- Plant Tissue Culture and In vitro Conservation. Feb. 3-7, 2002. National Center for Agriculture Research and Technology Transfer (NCARTT). Baqa, Jordan. (Lecturer)
- Plant Tissue Culture. Sept. 23-27, 2001. National Center for Agriculture Research and Technology Transfer (NCARTT) and The Agriculture Engineering Association. Baqa, Jordan (Lecturer).
- Second Workshop on Plant Genetic Resources and Biodiversity. Sept. 19-20, 2001. National Center for Agriculture Research and Technology Transfer (NCARTT) and the International Plant Genetic Resources Institute (IPGRI). Dana Natural Reserve. Dana, Jordan. Lecture: Cryopreservation of Plant Genetic Resources).
- Workshop on Education Technology (Evaluation and Measurement). Feb. 4-6, 2001. Jordan University of Science and Technology. Irbid, Jordan. (Attendance).
- Pistacia Biodiversity. Dec. 14-17, 1998. Jordan University of Science and

- Tecnology, Irbid, Jordan. Organized by the International Plant Genetic Resources Institute (IPGRI). (Coordinator).
- Medicinal and Herbal Plants in Jordan. June 28, 1998. The National Center for Research and Technology Transfer (NCARTT), Baqa, Jordan. (Participant)
 - Cryopreservation of Plant Genetic Resources. May 4-8, 1998. The International Plant Genetic Resources (IPGRI), and the Horticulture Research Institute (IFS). Rome, Italy. (Trainee).
 - Plant Biotechnology: Nov. 20, 1994. Amman (Higher Council of Science and Technology). (Lecture: Uses of Plant Tissue Culture for Plant Propagation and Production of Nursery Stock).
 - Applications of Biotechnology for Agriculture Development in Arid Regions. Nov. 15-18. 1994. Safawi (Jordan Badia Research and Development Programme). (Lecture: Plant Tissue Culture in Jordan: Status and Aims).
 - Plant Tissue Culture. Sept. 24-28, 1994. Jordan University of Science and Technology, Irbid, Jordan. (Organizer and lecturer)
 - Plant Tissue Culture. Sept. 15, 1994. Amman (Higher Council of Science and Technology). (Lecture: Use of Plant Tissue Culture for Production of Disease Free Vegetable seedlings).
 - Plant Genetic Resources in Jordan. Aug. 4-8, 1994, Baqa, Jordan. (Lecture: In Vitro Conservation of Plant Genetic Resources in Jordan).
 - Plant Genetic Resources. May 10-12, 1994. Aleppo, Syria. (Lecture: In vitro Conservation of Plant Genetic Resources).
 - Vegetables seed production. May 24-28, 1992. Amman-Jordan. (Attendance).
 - Vegetables Seed Technology and Production. March 22-23, 1992. Amman-Jordan. (Attendance)
 - Genetically Modified Organisms, Risks and impacts. May 7-8, 2005, Amman, Jordan

Publications (referred) (papers):

Papers:

1. Mherat M., M. Shatnawi, R. Shibli, T. Oudah, S. Abu Malloh, T. Al-Qudah. 2022. Clonal Propagation of *Tetragonolobus palestinus* Bios:A Jordanian Medical Plant. *Acta Agriculturae Solvenica*. 118-In Press.
2. Darwish M, Shibli R, Al-Qadiri H, Tahtamouni R, Al-Saleh M, Abu Mallouh . Al-Qudah T Osmotic Stress Enhances Antimicrobial Activity of in Vitro Grown Microshoots of Qurdi *Ochradenus Baccatus* Delile Against Selected microbes. *Jordan Journal Pharmaceutical Sciences*. 2022. In Press.
3. AL-Mohusaian, R. M., Shibli, R. A., Abu-Zurayk, R. A., Al qudah T., & Tahtamouni, R. (2022). An Outlook on the *Chenopodium Quinoa* Willd (Quinoa) Plant and the Role of the in Vitro Culture and Nanotechnology in Mitigation of Salinity Stress: A Review. *Jordan Journal of Agricultural Sciences*, 18(1), 17-27.
4. Abu-Darwish D, Shibli R, Al-Abdallat AM. In Vitro Cultures and Volatile Organic Compound Production in *Chiliadenus montanus* (Vhal.) Brullo. *Plants*. 2022;

- 11(10):1326. <https://doi.org/10.3390/plants11101326>
5. Saifan, S., Shibli, R., Ariffin, I. A., Ab Yajid, M. S., & Tham, J. (2021). Climate Change and Extension Services' Effects on Farm Level Income in Malaysia: A Time Series Analysis. *AgBioForum*, 23(2), 72-81.
 6. Shibli, R., Saifan, S., Ab Yajid, M. S., & Khatibi, A. (2021). Mediating Role of Entrepreneurial Marketing Between Green Marketing and Green Management in Predicting Sustainable Performance in Malaysia's Organic Agriculture Sector. *AgBioForum*, 23(2), 37-49.
 7. Shibli, R., Saifan, S., Ab Yajid, M. S., Khatibi, A., & Azam, S. F. (2021). Commercialization and Farmer Literacy's role on Agriculture Extension Services in Malaysia. *AgBioForum*, 23(2), 82-91.
 8. Shibli, R., Saifan, S., Yajid, A., Shukri, M., Ariffin, I. A., & Khatibi, A. (2021). Role of agricultural Extension services and a new ecological paradigm in determinants of perceived crop yield and pro-environmental social norms.
 9. Shibli, R., Saifan, S., Yajid, A., Shukri, M., Shukri, S. M., & Tham, J. (2021). Interaction between agricultural extension services and environmental management accounting: the role of farmer value orientations.
 10. Saifan, S., Shibli, R., Ab Yajid, M. S., Abd Hamid, J., & Azam, S. F. (2021). A Time Series Analysis to Enhancing Net Revenue of Farming in Malaysia through Agriculture Extension and Risk Aversion. *AgBioForum*, 23(2), 113-122.
 11. Shibli, R., Saifan, S., Ab Yajid, M. S., Khatibi, A., & Azam, S. F. (2021). Social Capital, Agriculture Extension Services and Access of Resources toward Innovation Adoption in Household Farming in Malaysia. *AgBioForum*, 23(2), 102-112.
 12. Saifan, S., Shibli, R., Hamid, J. A., Ariffin, I. A., & Tham, J. (2021). Agriculture technology adoption in Malaysia: the Extension service's role, rural financing, and the lender's institutional context.
 13. Shibli, R., Saifan, S., Abd Hamid, J., Ariffin, I. A., & Tham, J. (2021). A Time Series Analysis of the Effects of Agriculture Credit and Extension Services on Crop Productivity in Malaysia. *AgBioForum*, 23(2), 61-71.
 14. Firas Al-Zyoud, Rida Shibli, Ihab Ghabeish. 2021. Current status, challenges, management and future perspectives of the red palm weevil *rhynchophorus ferrugineus* olivier (Coleoptera, curculionidae) eradication - A Review. *Journal of Experimental Biology and Agricultural Sciences (JEBAS)* 9(6): 697-714 (2021)
 15. Tamara Al-Qudah, Sami H. Mahmood, Rund Abu-Zurayk, Rida Shibli, Aya Khalaf, Trimurti L. Lambat, Ratiram G. Chaudhary. 2021. Nanotechnology applications in plant tissue culture and molecular genetics: A holistic approach. *Current Nanoscience*. DOI: [10.2174/1573413717666211118111333](https://doi.org/10.2174/1573413717666211118111333)
 16. Ruba M. AL-Mohusaien, Rida A. A. Shibli, Rund A. Abu-Zurayk, Tamara S. Al-Qudah, and Reham Tahtamouni. *Chenopodium quinoa* Willd provides natural defense potential against salinity stress: The role of in vitro culture and nanotechnology. 2021. *JJAS*. Accepted
 17. Reham Tahtamouni, Rida Shibli, Tamara Al-Qudah, Sobhia Saifan, Refad Khawldeh. 2021. An outlook on Jordan efforts in conservation of plant biodiversity during the first hundred years of the country's founding. *JJAS*. VOL 17, NO 3 (2021)
 18. Nahid Abd Elhamid Osman, Mohamad Shatnawi, Rida Shibli, Majdi Majdalawi,

- Abdel Rahman M. Al Tawaha , Tamara Qudah . 2021. Salts Induced Salinity and in Vitro Multiplication of *Paronychia argentea*. Ecological Engineering & Environmental Technology 2021,
19. Shatnawi M , Osman N , Shibli R , Odat N , Al-Tawaha A , Qudah T, Majdalawi M. 2021. Effect of Heavy Metal on the In vitro Growth of *Paronchia argentea* and its Antimicrobial Activity. Ecological Engineering & Environmental Technology 2021, 22(3), 142–151
 20. Al Khateeb F, Shibli R, Abdallat A, Qudah T, Tahtamouni R, Abu-Iramaileh B. 2020. Tracking growth, biochemical responses, and ion uptake in *paronychia argentea* microplants grown in vitro under salinity induced environment. Jordan Journal of Agricultural Sciences. Vol 16, No 1 (2020)
 21. Al-Zghoul T; Shibli R.A, Qudah Tamara S., Tahtamouni Reham W., Rawshdeh N. 2020. Employment of somatic embryogenesis as a tool for rescuing imperiled *Narcissus tazetta* L. growing wild in Jordanian environment. Jordan Journal of Biological Sciences. Accepted (14, Number 4 (September), 2021.)
 22. Tahtamouni, R. W., , Rida A. A .Shibli, Laila S.Youne, Saida Abu-Mallouh and Tamara S. Al-Qudah. (2020). Responses of *Lantana Camara* Linn. Callus Cultures to Heavy Metals Added to the Culture Media. Jordan Journal of Biological Sciences, 13(4): 551-557. <http://www.jjbs.hu.edu.jo/files/vol13/n4/Paper%20Number%2018.pdf>
 23. AL-Ashoush A, Shibli R.A., Tahtamouni R.W., Al-Qudah T., Aburmaileh B. 2020. Enhancement of Pentacyclic Triterpenoids (Betulinic and Oleanolic acids) Production from Callus Cultures of *Lantana camara* L. 34(3): Advances in Hort. Sci. 34(3): 255263
 24. Tahtamouni R, Danaa H, Al-Qudah T, Mazahreh A, Shibli R.A., Haddad N, Al-Qudah T. 2020. Attitudes Of Undergraduate Students In Three Jordanian Universities To-Wards Climate Change Impacts On Agriculture And A Proposed Educational Course About Climate Change. Fresenius Environmental Bulletin. 29(8): 6969-6979
 25. Meherat M., Shatnawi M., Shibli R.A., Qudah T.S., Abu Malloh S, Al-Qudah T. 2020. Antimicrobial Activity of in vitro and wild type *Tetragonolobus palaestinus* Bioss using different extracts types- manuscript number (AJAB-2019-04-163). Asian Journal of Agriculture and Biology . In press
 26. Alenizi A. Shibli R., Tahtamouni R., Al-Qudah S. 2020. In Vitro Propagation and Enhancement of Quercetins and Isorhamnetin Production in Wild *Paronychia argentea* L. Jordan Journal Pharmaceutical Sciences. 13(1): 65-75.
 27. Laila S. Younes , Rida A. Shibli , Reham W. Tahtamouni, Tamara S. Al-Qudah , Fayha Al Hawmdeh. 2019. Micropropagation of Black Nightshade (*Solanum nigrum* L.): A promising medicinal plant in Libya. The Libyan Journal of Agriculture. 24 (2): 85 – 96
 28. Shatnawi A., Shibli R.A; Shahrour W., Abu-ZahraT., Al Qudah T. 2019. Micropropagation and Conservation of Fig (*Ficus Carica* L.). Journal of Advances in Agriculture. 10: 2349-0837
 29. AL- Kiyam M., Shibli R., Tahtamouni R., AlQudah T., Abu-Iramaileh B.2019. Manipulating Some Culturing Conditions Enhances Production of Solanine in Microshoots, Callus and Cell suspension Cultures of *Solanum nigrum* L.: A Wild Medicinal Plant. Journal of Agricultural and Marine Sciences [JAMS]. 24: 51-62
 30. Al-Saleh M, Shibli R, Al-Qadiri H, Tahtamouni R, Darwish M, . Al- Qudah T. 2019. Investigating Antimicrobial Potential of in vitro Grown Microshoots and Callus Cultures

- of *Ammi visnaga* (L.) Lam. Jordan Journal Biological Sciences. 12(7): 43-48.
31. Al- Baba H., Shibli R.A., Akash M., Al-Qudah T.S., Tahtamouni R.W., Al- Ruwaiei H. 2018. Evaluation of *Ziziphora tenuior* L. growth, oil yield and pulegone content after in vitro slow growth storage . Jordan Journal of Agricultural Sciences. 14(2): 211-222.
 32. Shibli R, Sharaf S, Kasrawi M and Al-Qudah T. 2018 In Vitro Multiplication of the White Wormwood, *Artemisia herba-alba* asso. Jordan Journal Biological Sciences. 11(3): 265-271.
 33. Al- Ruwaiei H.M, Shibli R.A., Al Khateeb W, Al-Qudah TS , Tahtamouni R, Al- Baba H. 2018. The slow growth conservation of *moringa peregrina* (forssk.) fiori microshshoots and its effect on total phenolic compounds. Jordan Journal of Agricultural Sciences. 14(1): 11-29
 34. Al-Abdallat A, Shibli R.A, Akash M., Rabbaa M., Al Qudah T. 2017. *In vitro* preservation of transgenic tomato (*Solanum lycopersicum* L.) plants overexpressing the stress-related SIAREB1 transcription factor. International Journal of Molecular Sciences. 18(7): 1477.
 35. Al- Ruwaiei H.M, Shibli R.A., Al Khateeb W, Al-Qudah TS , Tahtamouni R, Al- Baba H. 2017. Rescuing Endangered *Moringa peregrina* (frossk) fiori by Cryopreservation Using Vitrification and Encapsulation- Vitrification Protocols. Jordan Journal of Agricultural Sciences, 13(4): 961-976.
 36. Zatimeh A., Shibli R. A., Tahtamouni R.W, Al Qudah T.S.. Abu Mallouh S., Younes L, Al Hawmdeh F. 2017. Experimenting the possibility of callus development and growth from *Peganum harmala* L. leaf discs and assessment of the antibacterial activities of callus extract against *Salmonella* sp. and *Bacillus subtilis*. Journal of Food, Agriculture & Environment. 15 (1): 28-33.
 37. Zatimeh A., Shibli R. A., Al Hawmdeh F Younes L, Tahtamouni R.W, Al Qudah T.S. 2017. A practical in vitro multiplication protocol for sustainable propagation of Harmal *Peganum harmala*: A distinguished medicinal wild plant. Jordan Journal of Agricultural Sciences. 13(1): 25-34.
 38. Tahtamouni R, Shibli R, Al- Abdallat A, Al-Qudah T, Younis L, Al- Baba H and Al- Ruwaiei H. 2017. Cryopreservation of *Thymbra spicata* L. var. *spicata* and Genetic Stability Assessment of the Cryopreserved Shoot Tips After Conservation. Jordan Journal of Biological Sciences. 10(1): 261-267.
 39. Tahtamouni R.W., Shibli R. A., Younes L , Al-Qudah T.S., Al Hawmdeh F. , AL- Kiyam M. 2017. In Vitro Propagation, Direct Regeneration And Acclimatization of *Solanum villosum* (L.) Mill.: A Promising Medicinal Plant That Grows Wild In Jordan. Jordan Journal of Agricultural Sciences. 13(1): 65-78.
 40. Saifan S, S. Dura and R. Shibli. 2016. The eco-geographic distribution and molecular diversity of wild Akkob (*Gundelia tournifortii* L.) in Jordan. Acta Horticulturae. (1145),

- 179-186.
41. Syouf M. Q., Akash M , Al-Gharaibeh M , Shibli RA and Alali F. 2016. Genetic Diversity of Jordanian Wild Crocus Species as Detected by RAPD. *Jordan Journal of Agricultural Sciences* . 12: 737-747
 42. Shibli RA, Duwayri M., Hadidi N., Al Hawmdeh F. Al Qudah T.S. 2016. Experimenting Two Cryopreservation Techniques (Vitrification and Encapsulation-Dehydration) as Approaches for Long- term Conservation of in vitro Grown Shoot Tips of Wild Fennel . *Jordan Journal of Biological Sciences*. 9: 139-146.
 43. Tahtamouni RW, Shibli RA, Al- Abdallat AM, Al-Qudah TS. 2016. Analysis of growth, oil yield, and carvacrol in *Thymbra spicata* L. after slow-growth conservation. *Turkish Journal of Agriculture and Forestry*. 40: 213-221.
 44. Shibli RA, Duwayri M., Hadidi N., Al Hawmdeh F. Al Qudah T.S. 2016. In vitro propagation and cryopreservation by v-cryoplate technique of *Foeniculum vulgare* Mill. *Jordan Journal of Agricultural Sciences*, 12(4): 1049-1061.
 45. Younis L, Shibli RA, Al-Qudah TS. Medium-Term Conservation of *Achillea fragrantissima* Forssk Sch. Bip microshoots. 2016. *Jordan Journal of Agricultural Sciences*. 12(1): 137-147
 46. Sharaf S, Shibli R.A, Kasrawi M.A, Al Qudah T.S. 2015. Vitrification & droplet Vitrification for wild *Artemisia (Artemisia herba alba asso.)* shoot tips. *Jordan Journal of Agricultural Sciences*. 11: 981-994
 47. Hasan Al- Baba, Rida A .Shibli, Muhanad Akash, Tamara S. Al-Qudah, Reham W. Tahtamouni, Hamdan Al- Ruwaiei. 2015. Cryopreservation and Genetic Stability Assessment for Threatened Medicinal Plant (*Ziziphora tenuior* L.) grown wild in Jordan. *Jordan Journal of Biological Sciences*. 8: 247 – 256.
 48. Tahtamouni RW, Shibli RA, Al- Abdallat AM, Al-Qudah TS, Younis L, Al- Baba H and Al- Ruwaiei H. 2015. *In Vitro* Conservation and Cryopreservation of Medicinal and Aromatic Plants: A Review. *Jordan Journal of Agricultural Sciences*.11: 147-167
 49. Younis L, Shibli RA, Al-Qudah TS.2015. In vitro propagation and acclimatization of of *Achillea fragrantissima* Forssk Sch. Bip . *Jordan Journal of Agricultural Sciences*. 11, 339-351
 50. Sharaf S, Shibli R.A, Kasrawi M.A, Al Qudah T.S. 2015. Vitrification & droplet Vitrification for wild *Artemisia (Artemisia herba alba asso.)* shoot tips. *Jordan Journal of Agricultural Sciences*. 11: 981-994

51. Al Hawmdeh F., R.A. Shibli, T.S Al Qudah. 2014. In vitro Propagation of *Silybum marianum* L. Jordan Journal of Agricultural Sciences. 10: 120-129.
52. Al Hawmdeh F., R.A. Shibli, T.S Al Qudah. 2013. In vitro Production of Silymarin from *Silybum marianum* L. Medicinal & Aromatic Plants. S1 <http://dx.doi.org/10.4172/2167-0412.S1-001>.
53. Daradkeh N.Q., R. A. Shibli, I. M. Makhadmeh, F. Alali ,T. S. Al-Qudah. 2012. Cell Suspension and *in vitro* production of colchicine in wild *Colchicum hierosolymitanum* Feib. The Open Conference Proceedings Journal. 3 (Suppl 1-M9), 52-59.
54. Abu-Khadejeh,A., R.A. Shibli., I. M. Makhadmeh, and M. Mohammad. 2012. Influence of increased salinity on physiological responses of Hydroponic grown Tomato (*Lycopersicon esculentum* Mill). Jordan Journal of Agricultural Sciences. 8: 321-332.
55. Daradkeh N.Q.; R.A. Shibli, I. Makhadmeh; F. Alali and T. S. Al-Qudah. 2012. Callus culture and somatic embryogenesis in wild *Colchicum hierosolymitanum* Feib. Jordan Journal of Agricultural Sciences. 8: 536-556.
56. Shiyab S; M. Shatnawi, R. Shibli; M. Al-Zweiri; M. Akash; and T. Aburjai. 2012. Influence of developmental stage on yield and composition of *Origanum syriacum* L. oil by multivariate analysis. Journal of Medicinal Plant Research. 6: 2985-2994.
57. Sharaf, S.A., R.A. Shibli; M. Kasrawi; and S. Baghdadi. 2012. Slow-growth preservation of wild shih (*Artemisia hrba-alba* Assoc.) microshoots from Jordan. Journal of food, Agriculture and Environment. 10: 1359-1364.
58. Al-Mahmoud, H.J.; M.A. Shatnawi, R.A. Shibli, I.M. Makhadmeh and A. N. Shadiadeh. 2012. Clonal propagation and medium-term conservation of *Capparis spinosa*: A medicinal plant. Journal of Medicinal Plants Research. 62:3826-3836.
59. Rabaa M., R.A. Shibli, M.A. Shatnawi. 2012. Cryopreservation of *Teucrium polium* L. Shoot-tips by Vitrification and Encapsulation-Dehydration. Plant Cell, Tissue & Organ Culture. 110:371–382
60. Rabaa M., R.A. Shibli, M.A. Shatnawi. 2012. In vitro medium conservation of felty germander (*Teucrium polim* L.) micro-shoots. Jordan Journal of Agricultural Sciences. 8: 523- 535.
61. Shibli R.A., M. A. Duwayri, J. S. Sawwan, Mohamad A. Shatnawi and T. S. Al-Qudah. 2012. Regeneration via somatic embryogenesis of the endangered wild arum (*Arum palaestinum*). In Vitro Cellular and Developmental Biology – Plant. 48:335-340.

62. Ajlouni Z.I., M.A. Ajlouni, M. A. Shatnawi, , R.A. Shibli,I.M. Makdmeh, S.M Abu-Romman and A. Al-Ghazawi. 2012. Callus induction, plant regeneration, and growth on barley (*Hordeum vulgare* L.). South-Western Journal of Horticulture, Biology & Environment. 3:25-39.
63. Shatnawi, M., R. Shibli, H. Al-Dmoor, M. Ateyat and S. Abubaker. 2011. In vitro propagation and cryopreservation of *Stevia rebus* using vitrification method. Acta Horticulturae. 908: 319-324.
64. Baghdadi, S., R. Shibli,, M. Syouf, M. Shatnawi A. Arabiat, and I. Makhadmeh 2011. Cryopreservation by vitrification of embryogenic callus of wild crocus (*Crocus hyemalis* and *Crocus moabiticus*). Acta Horticulturae. 908: 239-246.
65. Sheyab S., ShatnawiM ; Shibli, RA; Al Smeirat, NG; Ayad J; Akash, MW. 2013 .Growth, Nutrient Acquisition and Physiological Responses of Hydroponic Grown Tomato to NaCl Salt Induced Stress. Journal of Plant Nutrition. 36: 665-676.
66. Sharaf S. A., R. A. Shibli, Kasrawi M. A., Baghdadi S. H. 2012. Cryopreservation of Wild Shih (*Artemisia herba-alba* Asso.) Shoot-Tips by Encapsulation-Dehydration and Encapsulation-Vitrification. Plant Cell, Tissue & Organ Culture.108: 437-444.
67. Musallam I, M. Duwayri, R.A. Shibli, F. Alali. Investigation of Rutine content in different plant parts of wild caper (*Capparis spinosa* L.) population from Jordan. 2012. Research Journal of Medicinal Plants. 6: 27-36.
68. Musallam I, M. Duwayri, R.A. Shibli. Micropropagation of Caper (*Capparis spinosa* L.) from Wild Plants.2011. Functional Plant Science and Biotechnology, 5: 17-21.
69. Baghdadi S.H., R.A. Shibli, M.Q. Syouf, M.A. Shatnawai, A. Arabiat, I.M. Makhadmeh. 2011. Medium term preservation of wild *Crocus* (*Crocus hyemalis* and *Crocus moabiticus*) embryogenic callus. Jordan Journal of Agricultural Sciences. 7: 482-494.
70. Shatnawi M. A., R. A. Shibli, S. M. Abu-Romman, M. S. Al-Mazra'awi, Z. I. Al Ajlouni, W. A. Shatanawi, and W. H. Odeh. 2011. Clonal propagation and cryogenic storage of the medicinal plant *Stevia rebaudiana*. Spanish Journal of Agricultural Research. 9: 213-220.
71. Shatnawi, M.A., G. Anfoka, R. A. Shibli, M. S. Al-Mazra'awi, W. Shahrour, and A. Arebiat. 2011. Clonal Propagation and cryogenic storage of virus free grapevines (*Vitis vinefera* L.) via meristem culture. Turkish Journal of Agriculture and Forestry. 35: 173-184

72. Al- Qudah T. S, R.A. Shibli, and F. Q. Alali. 2011. In vitro propagation and secondary metabolites production in wild germander (*Teucrium polium* L.). *In Vitro Cellular and Developmental Biology – Plant*. 47: 496-505.
73. Abu-Khadejeh, A., I. M. Makhadmeh, R.A. Shibli. and M. Mohammad. 2011. Growth and Physiological Responses of Tomato (*Lycopersicon esculentum* Mill) Callus and Cell Suspension to *In Vitro* Induced Salinity. *Jordan Journal of Agricultural Sciences*. 7: 300-311.
74. Shibli R. A, I. M. Makhadmeh, Abu-Khadejeh A. and M. Mohammad. 2011. Physiological Responses of Tomato Microshoot Cultures to *in vitro* Induced Salinity Stress. *Jordan Journal of Agricultural Sciences*. 7: 260-272.
75. Nazzal K.W., R.A. Shibli, I. M. Makhadmeh and M.Q. Syouf. 2011. Amplified Fragment Length Polymorphism (AFLP) analysis in *Crocus* spp. collected from northern Jordan. *Jordan Journal of Agricultural Sciences*. 7: 1-8.
76. Shatnawi, M., A. Al-Fauri, H. Megdadi; M. K. Al-Shatnawi; R.A. Shibli; S. Abu-Romman; A. Al-Ghzawi. 2010. In vitro multiplication of *Chrysanthemum morifolium* Ramat and its responses to NaCl induced salinity. *Jordan Journal of Biological Sciences*. 3: 101-110.
77. Mostafa, S.E., N.S. Karam, R.A. Shibli and F.Q. Alali. 2010. Micropropagation and production of arbutin in oriental strawberry tree (*Arbutus andachne* L.). *Plant Cell, Tissue and Organ Culture*. 103: 111-121.
78. Musallam I, M. Duwayri, R.A. Shibli. 2010. Micropropagation of Caper (*Capparis spinosa* L.) from Wild Plants. *Functional Plant Science and Biotechnology*. 5: 17-21.
79. Baghdadi S.H., R.A. Shibli, M.Q. Syouf, M.A. Shatnawai, A. Arabiat, I.M. Makhadmeh. 2010. Cryopreservation by encapsulation-vitrification of embryogenic callus of tow wild *Crocus* species (*Crocus hyemalis* and *Crocus moabiticus*). *Jordan Journal of Agricultural sciences*. 3: 436- 443.
80. Abu-Romman, S., M. Shatanwi, and R. Shibli. 2010. Allelopathic effects of spurge (*Euophorbia hierosolymitana*) on wheat (*Triticum durum*). *American-Eurasian Journal of Agriculture and Environment Sciences*. 7: 298-302.

81. Makhadmeh I., Al-Lozi S, M. Duwayri, R.A. Shibli and H. Migdadi. 2010. Assessment of genetic variation in wild *Arum* species from Jordan using Amplified Fragment Length polymorphism (AFLP) markers. *Jordan Journal of Agricultural sciences*. 6: 224-239.
82. Shibli, R.A., N.Q. Daradkeh, I.M. Makhadmeh, and S.H. Baghdadi. 2010. Colchicine production from *Colchicum* and the role of in vitro cultures: A review. *Jordan Journal of Agricultural Sciences*. 6:208-223.
83. Sheyab S., M.A. Shatnawi, R.A. Shibli, M. Obeidat, A.N. Shadiadeh, K.M. Alhussaen and T. Abu-Zahara. 2010. Micropropagation and medium-term condervation of *Antirrhinum majus* L. *Jordan Journal for Agricultural Sciences*. 6:171-182.
84. Owies, D., R. A. Shibli, K. I. Ereifej and M.A. Shatnawi. 2009. In vivo propagation of Akub (*Gundelia tournefortii* L) by seeds. *Jordan J. Agric. Sci*. 5:266-272.
85. Shatnawi M., A Fauri, R. Shibli, M. Al-Mazraawi, H. Megdadi, and I. Makhadmeh. 2009. Tissue culture and salt stress in *Chrysanthemum morifolium*. *Acta Horticulturae*. 829: 189-196.
86. Shibli, R.A., S. Baghdadi, M. Syouf, M. Shatnawai, A. Arabiat and I. Makhadmeh. 2009. Cryopreservation by Encapsulation-dehydration of Embryogenic Callus of Wild Crocus (*Crocus hyemalis* and *Crocus moabiticus*). *Acta Horticulturae*. 829:197-203.
87. Samara, N.H., Qorashi, 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. *Acta Horticulturae*. 813:113-120.
88. Al-Lozi, S.; I. Makhadmeh, M. Duwayri, R. Shibli, and H. Migdadi. 2008. Assessment of phenotypic variation of *Arum* species in Jordan. *Jordan J. Agric. Sci*. 4: 367-379.
89. Syouf M., Gharaibeh M., Shibli R., and Alali, F., 2008. Study of Genetic Diversity in *Crocus hyemalis* Boiss. & Blanche using RAPD Techniques. *Jordan Journal of Agricultural Sciences*.4: 231-241.
90. Al-Qudah, A., K. Al-Maarri and R. Shibli, 2008. Micropropagation of Ajami and Baladi by tissue cutiure. *Damascus University Journal*. 25: 275-294.

91. Al-Qudah, A., K. Al Maarri and R. Shibli. 2008 In vitro propagation of apricot: "Ajami" and "Baladi" from vegetative and flower buds. *Jordan Journal of Agricultural Sciences*. 4: 191-206 (In Arabic).
92. Shatnawi, M.A., Frehat, N., Makhadmeh, I., Shibli, R., and Abu Ein A., 2007. Influence of Sugar source on growth and sugar uptakes of in vitro grown wild pear (*Pyrus syriaca*). *Adv. Hort. Sci.*, 21(3): 133-140.
93. Zatimeh, A., Shibli, R., Karam, N., and Makhadmeh, I., 2007. Physiological response of Muskmelon (*Cucumis melo* L.) to NaCl salinity in vitro and hydroponic cultures. *Jordan Journal of Agricultural Sciences*. 3(3): 213-221.
94. Al-Khasawneh, A., Karam, N., Shibli, N., and Migdadi, H., 2007. Assessment of genetic Variation in black Iris (*Iris nigricans* Dinsm.) using RAPD markers. *Jordan Journal of Agricultural Sciences*. 3(3): 241-250.
95. Shibli, R., Shatnawi, M., Mohammad M., and Hindiyeh M. 2007. Influence of Zn and Mn level on growth and micronutrient acquisition of apple microculture. *American- Eurasian J. Agric. and Environ. Sci.* 2(2): 147-152.
96. Al-Qudah A., Al-Ma'ari K. and Shibli, R.A. 2008. In vitro propagation of rootstock Rain Claude P3116 (Torinel). *Jordan Journal of Agricultural Research*; 4(1): 73-86 (in Arabic)
97. Subaih W., Shatnawi M., and Shibli R., 2007. Cryopreservation of Date Palm (*Phoenix dactylifera*) Embryogenic Callus by Encapsulation-Dehydration, Vitrification and Encapsulation-Vitrification. *Jordan Journal of Agricultural Sciences* 3(2): 156-171.
98. Shatnawi M., Shibli R., Qrunfleh I., Bataeineh K., Obeidat M. 2007. In vitro Propagation and Cryopreservation of *Prunus avium* using vitrification and encapsulation dehydration methods. *Journal of Food, Agriculture and Environment*. 5(2): 204-208.
99. Ebrahim N., R. Shibli, I. Makhadmeh and M. Shatnawi. 2007. *In vitro* Propagation and *In vivo* Acclimatization of three Coffee Cultivars (*Coffea Arabica* L.) from Yemen. *World Applied Sciences Journal* 2(2): 142-150.

100. Shibli R. A., M. Kushad, G. G. Yousef and M. A. Lila. 2007. Physiological and biochemical responses of tomato microshoots to induced salinity stress with associated ethylene accumulation. *Plant Growth Regul.* 51:159-169.
101. Al-Hussein, S., R. A. Shibli and N. S. Karam. 2007. Regeneration in African violet (*Saintpaulia ionantha* Wendl.) using different leaf explants, cytokinins sources, and light regimes. *Jordan Journal of Agricultural Sciences.* 2: 361-371.
102. Karam, N. S., A. A. Al-Khasawneh, R. A. Shibli, H. M. Migdadi, and M. Al-Ajlouni. 2006. Morphological variation in Black Iris (*Iris nigricans* Dinsm.) from Jordan. *Plant Genetic Resources Newsletter Journal.* 147: 12-17.
103. Arafeh, R. M., R. A. Shibli and M. A-Mahmoud and M.A. Shatnawi. 2006. Callusing, cell suspension culture and secondary metabolites production in *Origanum vulgare* L. and *Origanum syriacum* L. *Jordan Journal of Agricultural Sciences.* 2: 274-282.
104. Shibli, R. A., M. A. Shatnawi, W. S. Subaih and M. M. Ajlouni. 2006. In vitro conservation and cryopreservation of plant genetic resources: A review. *World Journal of Agricultural Sciences.* 2 (4): 372-382.
105. Shatnawi M. A., R. A. Shibli, H. Migdadi, A. Obeidat, K. Ereifej, and A. M. Abu-Ein. 2006. Influence of different carbon sources on wild pear (*Pyrus syriaca*) growth and sugar uptake. *World Journal of Agricultural Science.* 2: 156-161.
106. Al-Khassawneh, N.M., N.S. Karam., and R.A. Shibli. 2006. Growth and flowering of black iris (*Iris nigricans* Dinsm.) following treatment with plant growth regulators. *Scientia Horticulturae.* 107: 187-193.
107. Abdelrahman, N., R. A. Shibli , K. I. Ereifej, M.Y. Hindiyeh. 2005. Influence of salinity on growth and physiology of in vitro grown cucumber (*Cucumis sativus* L.). *Jordan Journal of Agricultural Sciences.* 1: 93-106.
108. Abu-Shamaa, M., R. A. Shibli, K. I. Ereifej, I. Makhadmeh and N.M. Abdelrahman. 2005. Growth and physiological responses of tomato land race "Rohaba" (*Lycopersicon esculentum* Mill.) to in vitro induced water deficit. *Jordan Journal of Agricultural Sciences.* 1: 107-118.
109. Al-Sane, K. O., R. A. Shibli, N. M. Freihat, and M. K. Hammouri. 2005. Cell Suspension Culture and Secondary Metabolites Production in African Violet (*Saintpaulia ionantha* Wendl.). *Jordan Journal of Agricultural Sciences.* 1: 84-92.

110. Shibli. R. A., W. Subaih and N. Abdelrahman. 2005. Effect of Different Carbohydrates on In Vitro Maintenance of Date Palm Embryogenic Callus. *Advances in Horticultural Science*. 19: 172-175.
111. Harb, A.M., K. M. Hameed, and R.A. Shibli. 2004. Effect of Triiodobenzoic Acid on Broomrape (*Orobanche ramosa*) Infection and Development in Tomato Plants. *Plant Pathol J*. 20: 81-84.
112. Moges, A. D., N. S. Karam and R. A. Shibli. 2004. Cryopreservation of African violet (*Saintpaulia ionantha* Wendl.) shoots tips. *In vitro Cellular and Developmental Biology- Plant*. 40: 389-395.
113. Owies D., Shibli R., and K. Ereifej. 2004. *In vitro* propagation of *Gundelia tournefortii*. *Advances in Horticultural Science*. 18(3):127-131.
114. Arikat, N.A., F. M. Jawad, N.S. Karam, and R.A. Shibli. 2004. Micropropagation and accumulation of essential oils in wild sage (*Salvia fruticosa* Mill). *Scientia Horticulturae*. 100: 193-202.
115. Shibli, R. A., S. Ababneh, M. Smith. 2004. Cryopreservation of plant germplasm: A Review. *Dirasat*. 31: 60-72.
116. Moges
117. , A. D., N. S. Karam, R. A. Shibli. 2003. Slow growth *in vitro* preservation of African violet (*aintpaulia ionantha* Wendl.). *Advances in Horticultural Sciences*. 17: 223-230.
118. Arafeh, R. M., M. S. Mahmoud, and R. A. Shibli. 2003. *In vitro* seed propagation of wild Syrian marjoram (*Origanum syriacum* L.). *Advances in horticultural science*. 17: 241-244.
119. Karam, N. S., F. M. Jawad., N. S. Arikat, and R. A. Shibli. 2003. Growth and rosmarinic acid accumulation in caluss, cell suspension, and root cultures of wild *Salvia fruticosa*. *Plant Cell, Tissue and Organ Culture*. 73: 117-121.
120. Al-Khateeb, W. M., K M. Hameed and R. A. Shibli. 2003. Effect of Salinity on *Orobanche cernua* Seed Germination. *The Plant Pathology Journal*. 19: 148-151.
121. Al-Ababneh S., R. A. Shibli , N. S. Karam, and M. A. Shatnawi. 2003. Cryopreservation of bitter almond (*Amygdalus communis* L.) shoot tips by encapsulation-dehydration and vitrification. *Advances in Horticultural Sciences*. 17: 15-20.

122. Mohammad, M., H. Malkawi, R. A. Shibli. 2003. Effects of arbuscular mycorrhiza fungi and P fertilization on growth and nutrient uptake of barley grown on soils with different levels of salt. *Journal of Plant Nutrition* 26:125-137.
123. Shibli, R.A., M.A. Shatnawi and I. Q. Swaidat. 2003. Growth, osmotic adjustment and nutrient acquisition of bitter almond under induced sodium chloride salinity in vitro. *Communications in Soil Science and Plant Analysis*. 34: 1969-1979.
124. Shyab, S.M., R.A. Shibli and M. M. Mohammad. 2003. Influence of sodium chloride salt stress on growth and nutrient acquisition of sour orange in vitro. *Journal of Plant Nutrition* 26: 985-996.
125. Shibli, R. A., M. A. Ajlouni, K. Ereifij, and A. Hussain. 2002. Evaluation of thirteen open pollinated cultivars and three hybrids of tomato (*Lycopersicon esculentum* Mill): 1. Yield, physiological disorders, seed production and vegetative growth. *Pakistan Journal for Agricultural Researches*. 17: 290-296.
126. Al-Ababneh S., N. S. Karam, and R. A. Shibli, 2002. Cryopreservation of sour orange (*Citrus aurantium*) shoot tips. *In Vitro Cellular and Developmental Biology- Plant*. 38: 602-607.
127. Shibli R.A., M. Mohammad and Z. Ajlouni. 2002. Growth and micronutrient acquisition of in vitro grown bitter almond and sour orange in response to iron concentration from different iron chleates. *Journal of Plant Nutrition*. 25: 1599-1606.
128. Shibli, R.A., A. Abu-Ein and M.M. Ajlouni. 2002. In vitro and in vivo multiplication of virus-free 'Spunta' potato clone . *Pakistan Journal of Agricultural Research*. 17: 71-75..
129. Shibli, R.A., and K. H. Al-Juboory. 2002. Comparative responses of 'Nabali' olive microshoot, callus and suspension cell cultures to salinity and water stress. *Journal of Plant Nutrition*. 25: 61-74.
130. Shibli, R.A., K. H. Al-Juboory, M. Shatnawi, A. Abu-Ein. 2001. Somatic embryogenesis and plant recovery from callus of 'Nabali' olive (*Olea europea* L.). *Scientia Horticulturae*. 88: 243-256.
131. Shibli, R.A., and K.H. Al-Juboory.2000. Cryopreservation of 'Nabali' olive (*Olea europea*) somatic emblyos by encapsulation-dehydration and encapsulation-vitrification. *CryoLetters*. 21: 357-366.
132. Shibli, R. A., D. Haagenson, . S.M. Cunningham, W.K. Berg, and J.J. Volenec. 2001. Cryopreservation of Alfalfa (*Medicago sativa* L.) Cells by Encapsulation-Dehydration. *Plant Cell Reports*. 20: 445-450.

133. Hammouri, M. K., Ereifej, K.I., M.M. Ajlouni, R.A. Shibli and G.N. Karaki. 2000. A Potential chemical indicator from pheasant's eye (*Adonis aestivalis* L.) plant. *International Journal of Chemistry*. 10: 151-156A.
134. Shibli, R.A., J. Sawwan, I. Swaidat and M. Tahat. 2001. Increased phosphorus mitigates the adverse effects of salinity in tissue culture. *Communications in Soil Science and Plant Analysis*. 32: 429-440.
135. Tahtamouni, R.W., R.A. Shibli and M.M. Ajlouni. 2001. Growth Responses and Physiological Disorders in Wild Pear (*Pyrus syriaca* Boiss.) During Slow-growth In vitro Preservation on Osmostressing Media. *Plant Tissue culture*. 11: 15 – 23.
136. Shibli, R.A., A. Abu-Ein and K.H. Al-Juboory. 2000. Influence of different plant growth regulators on in vitro multiplication and rooting of 'Nabali' olive (*Olea Europea* L.). *Plant Tissue Culture*. 10: 93-102.
137. Ajlouni, M.M., S. Aljanabi, H.I. Malkawi, R. Shibli and M. Shatnawi. 2000. DNA fingerprinting of divergent wheat landraces from grain filling rate, in : A study of the biodiversity of cultivated and wild species in Jordan. The Higher Council for Science and Technology, Amman, Jordan.
138. Ereifej, K.I., M.M. Ajlouni and R.A. Shibli. 2000. Influence of location, cultivar and fertilization on the quality of wheat kernels, flour and bread. *Damascus University Journal for Agricultural sciences*. 16:139-152.
139. Shibli, R.A. 2000. Cryopreservation of black iris (*Iris nigricans*) somatic embryos by encapsulation-dehydration. *CryoLetters*. 21: 39-46.
140. Shibli, R.A., M. Mohammad, A. Abu-Ein and M. Shatnawi. 2000. Growth and micronutrient acquisition of some apple varieties in response to gradual in vitro induced salinity. *Journal of Plant Nutrition*. 23: 1209-1215.
141. Sawwan, J., R.A. Shibli, I. Swaidat and M. Tahat. 2000. Phosphorus regulates osmotic potential and growth of African violet under in vitro-induced water deficit. *Journal of Plant Nutrition*. 23: 759-771.
142. Shibli, R.A., and M.M. Ajlouni. 2000. Somatic embryogenesis in the endemic black iris (*Iris nigricans*). *Plant Cell, Tissue and Organ Culture*. 61: 15-21.
143. Shibli, R.A., M.M. Ajlouni and A. Obeidat. 2000. Direct regeneration from wild pear (*Pyrus syriaca*) leaf explants. *Advances in Horticultural Sciences*. 14: 12-18.
144. Al-Juboory, K.H., R.A. Shibli, D.J. Williams, M.H. Nayfeh, and R. Skirvin. 2000. Effect of pulsed excimer laser radiation on shoot regeneration and reduction of

- contamination of date palm (*Phoenix dactylefera* L.) in vitro. *Indian Journal for Agricultural Sciences*. 70: 482-483.
145. Al-Momani F., R. Shibli, M. Ajlouni. 1999. In vitro performance of potato (*Solanum tuberosum* L.) cv. Spunta explants. *Agrotropica*. 11: 31-34.
 146. Shibli, R.A., M.J. Mohammad, M.M. Ajlouni, M.A. Shatnawi and A. F. Obeidat. 1999. Stability of chemical parameters of tissue culture medium (pH, osmolarity, electrical conductivity) as a function of time of growth. *Journal of Plant Nutrition*. 22: 501-510.
 147. Shibli, R.A., M.A.L. Smith and M. Shatnawi. 1999. Pigment recovery from encapsulated-dehydrated *Vaccinium pahalae* (ohelo) cryopreserved cells. *Plant Cell, Tissue and Organ Culture*. 55: 119-123.
 148. Shibli, R.A., K.I. Ereifej and N.S. Karam. 1999. Response of in vitro cultures of potato, tomato, apple rootstock and bitter almond to a culture medium supplemented with municipal solid waste. *Journal of Plant Nutrition*. 22: 1519-1527.
 149. Shibli, R.A., and M.A.L. Smith. 1999. Capacity for biocompatibility assessment in tissue culture and hydroponic systems. *Journal of Plant Nutrition*. 22: 1529-1540.
 150. Shibli, R.A., M.A. Suwwan and M.M. Ajlouni. 1999. In vitro shoot regeneration and in vivo propagation of TYLCV tolerant tomato stem cuttings. *Plant Growth Regulation Society American Quarterly*. 27: 94-104.
 151. Shibli, R.A., M.A. Shatnawi, M.M. Ajlouni, A. Jaradat. Y. Adham. 1999. Slow growth in vitro conservation of bitter almond (*Amygdalus communis* L.). *Advances in Horticultural Sciences*. 13: 133-134
 152. Tahtamouni, R.W. and R.A. Shibli. 1999. Preservation at low temperature and cryopreservation in wild pear (*Pyrus syriaca*). *Advances in Horticultural Sciences*. 13: 156-160
 153. Shibli, R.A., M. Ajlouni, M. Shatnawi, and A. Abu-Ein. 1999. An effective method for in vitro production of disease-free carnation (*Dianthus caryophyllus*) cv. Balady. *Plant Tissue Culture*. 9: 159-166.
 154. Shibli, R.A. 1999. In vitro conservation of plant genetic resources in Jordan. In: Engelman, F. Management of field and in vitro germplasm collection. *International Plant Genetic Resources Institute (IPGRI)*, Rome, Italy. pp: 136-138.
 155. Eriefej, K.I., M.M. Ajlouni and R.A. Shibli. 1999. Cultivar and location effects on wheat quality in northern Jordan. *Dirasat. (Agricultural Sciences)*. 26: 216-225.

156. Shibli, R.A., M.A.L. Smith, and M. Kushad. 1999. Influence of ethylene on the production of anthocyanin, and carotenoid from callus culture of *Vaccinium pahalae*, ohelo. Dirasat. (Agricultural Sciences). 26: 240-247.
157. Aljanabi, S., R. Shibli, M. Ajlouni. 1999. Insertion of the maize transposable element Ac into soybean (*Glycine max* L. Merr.) by *Agrobacterium* mediated transformation method. Dirasat. (Agricultural Sciences). 26: 226-239.
158. Jassim R., Ereifej K., Shibli R., and A. Abudabos 1998. utilization of concentrate containing acorns (*quercus aegilopa* and *quercus coccifera*) and urea by growing awassi lambs. elsevier. 29: 289-293.
159. Shibli, R.A., A. Jaradat, M. Ajlouni, S. Aljanabi and W. Khawaldeh. 1998. In Vitro Multiplication of Bitter Almond (*Amygdalus communis* L.) Damascus University Journal for Agricultural Sciences. 14: 111 - 119.
160. Karam. N.S., K.I. Eriefej, R.A. Shibli, H. AbuKudais, A. Alkofahi, and Y. Malkawi. 1998. Metal concentrations, growth, and yield of potato produced from in vitro plantlets or microtubers and grown in municipal solid-waste-amended substrates. Journal of Plant Nutrition. 21: 725-739.
161. Shatnawi, M., R.A. Shibli, A.F. Obeidat, and M. Ajlouni. 1998. In vitro propagation and in vivo acclimatization of sour orange (*Citrus aurantium* L.). Damascus University Journal for Agricultural Sciences. 14: 120-132.
162. Hammouri, M.K., K.I. Eriefej, R.A. Shibli, and G.N. Al-Karaki. 1998. Quantitative analysis of fructose fate in a plant fermentation system. Journal for Agriculture and Food Chemistry. 46: 1428-1432.
163. Shibli, R.A., M.A. Suwwan and K.I. Ereifej. 1998. Response of TYLCV tolerant tomato to NaCl salinity Stress. I. Vegetative growth and nutrient uptake. Dirasat. 25: 89-103.
164. Hammoudeh, H.Y., M.A. Suwwan, H.A. Abu-Qaoud and R.A. Shibli. 1998. Micropropagation and regeneration of 'Honeoye' strawberry. Dirasat. 25: 170-178.
165. Mohammad, M., R. Shibli, M. Ajlouni and L. Nimri. 1998. Tomato root and shoot responses to salt stress under different levels of phosphorous nutrition. Journal of Plant Nutrition. 21: 1667-1680.
166. Ereifej, K.I., R.A. Shibli, M.M. Ajlouni and A. Hussein. 1998. Mineral contents in whole tubers and selected tissues of ten potato cultivars grown in Jordan. J. Food Science Technology. 35: 55-58.

167. Al Jassim R.A.M, Ereifej K.I, Shibli R.A., Abudabos A. 1998. Utilization of concentrate diets containing acorns (*Quercus aegilops* and *Quercus coccifera*) and urea by growing Awassi lambs. *Small Ruminant Research J.* 29: 289-293.
168. Al-Juboory, K.H., R.A. Shibli, and R. Skirvin. 1997. Organogenesis and cormel production from callus culture of *Gladiolus* cv. 'Balady'. *Mu'tah Journal for Researches of Students.* 12: 143-160.
169. Shibli, R.A., M.A.L. Smith and R. Nasr. 1997. Iron source and cytokinin mitigate the incidence of chlorosis and hyperhydration in vitro. *Journal of Plant Nutrition.* 20: 773-781.
170. Shibli, R.A., A. Jaradat, M. Ajlouni, S. Aljanabi and M. Shatnawi. 1997. Micropropagation in wild pear (*Pyrus syrica*). *Scientia Horticulturae.* 68; 237-242.
171. Ereifej, K.I., R.A. Shibli. M.M. Ajlouni, and A. Hussain. 1997. Physico-chemical characteristics and processing quality of newly introduced seven tomato cultivars into Jordan in Comparison with local variety. *Journal of Food Science and Technology.* 34: 171-174.
172. Erifej, K.I., R.A. Shibli. M.M. Ajlouni. and A. Hussain. 1997. Chemical composition variations of tissues and processing characteristics in ten potato cultivars grown in Jordan. *American Potato Journal.* 74: 23-30.
173. Al-Juboory, K.H., J.S. Sawwan, R.A. Shibli, R. M. Skirvin and D.J. Williams. 1997. Influence of auxins and commercial rooting powder on rooting of Algerian Ivy (*Hedera canariensis* L.). *Plant Growth Regulation Society of American Quarterly.* 25: 23-31.
174. Shibli, R.A., M.A.L. Smith, M. Kushad. 1997. Headspace ethylene accumulation effects on secondary metabolite production in *Vaccinium pahalae* cell culture. *Plant Growth Regulators.* 23: 201-205.
175. Shibli, R.A., A.A. Jaradat, M.M. Ajlouni, S. Aljanabi and W. Khawaldeh. 1994. In vitro multiplication of bitter almond (*Amygdalus communis* L.). *Damascus University Journal of Agricultural Sciences.* 14: 110-119.
176. Eriefej, K.I., G.N. Al-Karaki, R.A. Shibli, and M. El-Shatnawi. 1997. Variation in Physico-chemical characteristics of peas (*Pisum sativum*) grown under rainfed conditions. *Indian Journal for Agricultural Sciences.* 67: 10-12.

177. Ereifej, K.I. and R.A. Shibli. 1997. Distribution of nutrients in the anatomical parts of seven lentil lines. Joint Intl. Conf. on Agric. Eng. & Tech. Exhibition. Vol. 2: 702-710. (Dahka, Bangladesh).
178. Ajlouni, M.M., R.A. Shibli, A. Hussein and K.I. Eriefej. 1996. Seasonal distribution of yield of tomato (*Lycopersicon esculentum*) cultivars grown in Jordan. Indian Journal for Agricultural Sciences. 66: 541-545.
179. Shibli, R.A. and M.M. Ajlouni. 1996. In vitro propagation and ex vitro acclimatization of 'Sahara F₁' cucumber (*Cucumis sativus* L.). Plant Tissue Culture. 6: 95-98.
180. Shibli, R.A., and M.A.L. Smith. 1996. Direct shoot regeneration and proliferation from *Vaccinium pahalae* (ohelo) and *V. myrtillus* (bilberry) leaf explants. HortScience. 31: 1225-1228.
181. Shibli, R.A. 1995. Plant tissue culture in Jordan makes great strides. Diversity. 2:77.
182. Ajlouni, M.M., G.N. Karaki, R.A. Shibli and A.A. Jaradat. 1995. Collaboration are key to Jordanian Conservation efforts. Diversity. 2:75-78.
183. Shibli, R.A. 1995. Influence of transplant source on yield and fruit quality of 'Fiona F₁' tomato. Dirasat. 22B: 1439-1444.
184. Shibli, R.A., K. I. Ereifej, M.M. Ajlouni and A. Hussain. 1995. Physico-chemical properties of fruits of four open pollinated tomato cultivars grown under rainfed conditions in Jordan. Journal of Food Science and Technology. 32: 489-492.
185. Shibli, R.A., K.I. Ereifej, M.M. Ajlouni, and A. Hussain. 1995. Evaluation of thirteen open pollinated and three hybrid of tomato (*Lycopersicon esculentum* Mill). II. Physical and chemical properties of fruits. Pakistan Journal for Agricultural Sciences. 32: 225-234.
186. Ereifej, K.I., and R.A. Shibli. 1995. Comparative analysis of barley landrace and cultivars grown in Jordan. Dirasat. 22: 183-188.
187. Ereifej, K.I., and R.A. Shibli. 1995. Physical, chemical and cooking characteristic of a landrace and three newly developed lentil cultivars grown in Jordan. Journal of Food. Science and Technology. 32: 27-30.
188. Shibli, R.A. 1994. In vitro conservation of plant genetic resources. In: A.A. Jaradat; Proceedings of National Seminar. Plant Genetic Resources of Jordan. International Plant Genetic resources Institute (IPGRI), Rome, Italy. pp: 207-215.

189. Shibli, R.A., M.M. Ajlouni and A. Abu-Ein. 1994. Production of virus free 'Spunta' (*Solanum tuberosum*) potato via tissue culture: Factors affecting minituber production. *Damascus University Journal*. 10: 27-38.
190. Ajlouni, M.M., R.A. Shibli, S. Aljanabi, A.A. Jaradat and W. Khawaldeh. 1994. In vitro rooting of wild almonds (*Prunus dulcis* (Mill) D.A. Webb.). In: A.A. Jaradat; Proceedings of National Seminar. Plant Genetic Resources of Jordan. pp: 231-237.
191. Shibli, R.A., A.A. Jaradat, M.M. Ajlouni, S. Aljanabi, and W. Khawaldeh. 1994. In Vitro Multiplication of Bitter almond (*Prunus amygdalus*) from north Jordan. In: A.A. Jaradat; Proceedings of National Seminar. Plant Genetic Resources of Jordan. International Plant Genetic Resources Institute (IPGRI), Rome, Italy. pp: 240-247.
192. Shibli, R.A. 1993. Influence of increased salinity on yield, fruit quality and growth of hydroponic grown tomatoes. *Mu'tah Journal for Research and Studies*. 8: 153-165.
193. Ereifej, K.I. and R.A. Shibli. 1993. Quality evaluation of landrace and durum wheat cultivars grown in Jordan. *Journal of Food Science and Technology*. 30: 339-343.
194. Shibli, R.A., A. Abu-Ein and M.M. Ajlouni. 1993. In vitro propagation and in vivo acclimatization of MM 106 apple rootstock. *Damascus University Journal*. (35-36): 45-54.
195. Shibli, R.A., M.A.L. Smith. and L.A. Spomer. 1992. Osmotic adjustment and growth responses of three *Chrysanthemum morifolium* Ramat. cultivars to osmotic stress induced in vitro. *Journal of Plant Nutrition*. 15: 1373-1381
196. Smith. M.A.L., L.A. Spomer, R. Shibli and S.L. Knight. 1992. Effects of NaCl salinity on miniature dwarf tomato: II. Shoot and root growth responses, fruit production, and osmotic adjustment. *Journal of Plant Nutrition*. 15: 2329-2341.
197. Shibli, R.A. 1991. In vivo acclimatization of *Chrysanthemum morifolium* Ramat. after in vitro water stress. *Plant Tissue Culture*. 1: 97-100.
198. Ereifej, K.I. and R.A. Shibli. 1991. Rheological properties and baking quality of flour from a landrace and durum wheat cultivars grown in Jordan. *Cereal Chemistry*. 70 (4): 486-488.
199. Shibli, R.A. and M.A. Suwwan. 1987. Effect of plant population and Burst Application on yield, growth and fruit quality of late tomatoes in the Jordan Valley. *Dirasat*. 14: 55-72.

- Khasawneh, M.A., Thaher, N.H., Shibli, R.A., Abu Elhaija, W.S., Alwahadni, A.M. (2022). Bolstering Economic Growth in the Arab Region Through Commercialization of Research Outcomes. In: Badran, A., Baydoun, E., Hillman, J.R. (eds) Higher Education in the Arab World: Research and Development. Springer, Cham. https://doi.org/10.1007/978-3-030-80122-9_8
- Shibli R.A, Khasawneh M.A, Thaher N.H. 2020. Innovation as A Principle in University Governance: A Holistic Approach for Arab Universities. In: Higher Education in the Arab World - Government and Governance. (eds A. Badran, E. Baydoun, J. Hillman). Springer Nature Switzerland AG Gewerbestrasse 11, 6330 Cham, Switzerland. pp 117-139. ISBN 978-3-030-58152-7; ISBN 978-3-030-58153-4 (eBook). <https://doi.org/10.1007/978-3-030-58153-4>
- Magos Brehm, J, S. Saifan, H. Taifour, K. Abu Laila, A. Al-Assaf, A. Al-Oqlah, F. Al-Sheyab, R. Bani-Hani, S. Ghazanfar, N. Haddad, R. Shibli, T. Abu Taleb, B. Bint Ali, and N. Maxted. 2016. Crop Wild Relatives ; a Priority in Jordan? developing a national strategy for the conservation of plant diversity in Jordan using a participatory approach. (2016). CAB International; Enhancing Crop Genepool Use: Capturing Wild Relative and Landrace Diversity for Crop Improvement (eds N. Maxted, M. Ehsan Dulloo and B.V. Ford-Lloyd). Pages : 172-188. ISBN-13: 978 1 78064 613 8
- Duwayri, M.; Rida A. Shibli; and Mohammed A. Shatnawi. 2012. Plant Genetic Resources and their Conservation. Deanship of Scientific research, University of Jordan, Amman, Jordan.

Articles and studies (Referred)

1. Shibli R.A., Qudah T.S. The Impact of COVID 19 on Scientific Research: A holistic approach for the Islamic World . Islamic World Academy of Sciences Newsletter. January - April 2021 Volume 29 Number 44 (6-8)
2. Shibli R.A., Qudah T.S. 2021. The Statatus of Higher Education: Beyond Corona. Scientific Research journal; published by Jordan Society for Scientific Research; Entrepreneurship and Innovation; Jordan 12: 15-22
3. Shibli R.A., Qudah T.S, Tahtamouni R., Khalifah N. 2019. Adaptation of agricultural crops to climate change. Scientific Research journal; published by Jordan Society for Scientific Research; Entrepreneurship and Innovation; Jordan. volum (11):8-19
4. Shibli R.A, 2018. Opening speech, Scientific Research journal; published by Jordan Society for Scientific Research; Entrepreneurship and Innovation; Jordan. 10 : 5
5. Shibli R.A. and Qudah T.S. 2015. Plant tissue culture in Jordan, summary of achievements. Scientific Research journal; published by Jordan Society for Scientific Research; Entrepreneurship and Innovation; Jordan. 7: 12-23

6. Shibli R.A. 2013. Comparing the countries of the world in scientific research Scientific Research journal. Scientific Research journal; published by Jordan Society for Scientific Research; Entrepreneurship and Innovation; Jordan. 5: 75-90.
7. Shibli R.A. 2012. The ninth International Conference of the history of the Levant, Olive cultivation in the Levant since the late Byzantine period from 1053 to the end of the Ottoman Empire in 1920 AD, 1-5 April, 2012, The University of Jordan, Amman-Jordan.
8. Shibli R.A and Kafawin E.A. 2011. Genetically Modified Crops and Foods.. Scientific Research journal; published by Jordan Society for Scientific Research; Entrepreneurship and Innovation; Jordan. 3: 71-79
9. Shibli R.A and Kafawin E.A. 2011. Genetically Modified Crops and Foods. Engineers association. Irbid, Jordan.
10. Shibli R.A. 2010. Investment in the Scientific Research. Scientific Research. Jordan Society for Scientific Research. Amman, Jordan.
11. Shibli R.A. 2009. Scientific Research and the private Sector. Scientific Research. Jordan Society for Scientific Research. Amman, Jordan. pp: 90-96.
12. Shibli R. A. 2007. UINDO Agriculture Biotechnology Study Investment Opportunity in Jordan. The Higher Council for Science and Technology Jordan.
13. Shibli R. A. 2007. The Agricultural Policies and their Effects on the Environment. Al-Marwa drops Magazine for water, Environment and development. 4: 42-44.
14. Shibli R. A., N. S. Karam, and M. M. Ajlouni. 2005. Propagation and Conservation of Black Iris (*Iris nigricans* Dinsmore): The National Flower of Jordan. (Jordan).
15. Shibli, R.A. 2004. Improved Research and Agricultural Biotechnology Implementations. Agricultural Engineer Magazine. Issue No. 77: 92-96. (Jordan).
16. Shibli, R.A. 2004. Black Iris Propagation and Cryopreservation Project. Petrana Magazine. Issue No. 1: 4-7. (Jordan).
17. Shibli, R.A. 2002. New Approaches of Agricultural, Biotechnology Research and its impact on agriculture in the Arab World. A study prepared to the Arab Organization for Agriculture Development (AOAD). Sudan. (In Arabic).
18. Shibli, R.A. 2002. Use of plant tissue culture for conservation of plant biodiversity. Agricultural Engineer Magazine. Issue No. 72: 16-20. (Jordan).
19. Shibli, R.A., and M.M. Ajlouni. 1997. Biotechnology. In: Jordan Country Study on Biological Diversity. By: General Corporation for the Environment Protection. Jordan. pp: 195-201. (Jordan).
20. Shibli, R.A. 1994. Use of plant tissue culture for plant propagation in nurseries. Agricultural Engineer Magazine. Issue No. 53: 19-23. (Jordan).

21. Shibli, R.A, and M.M. Ajlouni. 1995. Plant Biotechnology Projects: Production of Disease Free Vegetable Seeds and Seedlings Via Tissue Culture. Published by the Higher Council of Science and Technology, Amman, Jordan.
22. Shibli, R.A. 1991. Plant Tissue Culture: A high technology to solve many agricultural problems. Agricultural Engineer Magazine. Issue No. 44: 37-38. (Jordan).

Conferences and Annula Meeting (Attended or published abstracts); (Examples)

1. “U.S.-Jordan partnership for University Leadership and Student Engagement” (PULSE) - July 24-26, 2022. U.S.-Jordanian University Cooperation Network (UCN), Amman, Jordan
2. BesMedGrape International Conference, July 11-12, Beirut, Lebanon.
3. The Asian Arab Parliamentary Annual Meeting for Population and Development.2-3 March 2022. Cairo Egypt
4. Jordan Society for Scientific Research, Entrepreneurship and Creativity (JSSREC) 10TH conference of the scientific research. Amman, Jordan. Genetically modified crops: current status and future prospects. 10/2021
5. Conference "Jordanian Society in a Hundred Years". 2021/10/21-18 University of Jordan “Food Security Before and After the Centennial of the Jordanian State”
6. Rida Shibli, Nael Thaher, Mohammed Khasawneh. Bolstering Economic Growth in the MENA Region through Agricultural Innovations . AgroMach MENA 2021 . Association of Agricultural Research Institutions in the Near East and North Africa (AARINENA).
7. The First International Conference “Women in Academia. Conference Supreme Steering Committee & Moderator: Fourth Theme: Academies and Challenges. Amman-Jordan. 20-21/1/2021.
8. The 22nd conference Of The Islamic World Academy Of Sciences (IAS). Landscape Of Science,Technology And Innovation In The Islamic Countries. 1.Dec.2020
9. Online Press Conference held By The Department of Antiquities (DOA) and The Jordan Society for Scientific Research, Entrepreneurship and Creativity (JSSREC) on the European Union Funded Project within the ENI CBCMED Programme ICT Mediterranean Platform for UNESCO Cultural Heritage – iHERITAGEAmman, December, 23 , 2020 at 11am.
10. The Ninth Scientific Research Conference in Jordan, Chaiman of the Conference; Jordan Society for Scientific Research; Entrepreneurship and Innovation. The University of Jordan, Amman Saturday ; 9/11/2019.
11. Rida A. Shibli; Reham W. Tahtamouni ; Tamara S. Al-Qudah and Nasser S AlKhalifah. The climate change and its implications on agricultural and dates production . Second Scientific conference of Jordanian Society for Date Palm. Intercontenetal Amman Jordan; 17/10/2019.
12. 5th International Economic Conference. The Jordanian economy in two decades: tremendous achievements and challenges. Petra University & Jordan Society for Scientific Research; Entrepreneurship and Innovation. July. 2019. Petra University; Amman –Jordan

13. Faten Al Khateeb , Rida A. Shibli, Ayed Al Abdallat , Reham W. Tahtamouni , Tamara S. Al-Qudah, Bashaer Abu-Irmaileh . Tracking growth, biochemical responses and ion uptake in *Paronychia argentea* microplants grown in vitro under salinity induced environment The 16th Jordanian Chemical Conference. The University of Jordan, Amman, 10 October 2019.
14. Rida A. Shibli, Tamara S. Al-Qudah , Reham W. Tahtamouni, and, Nasser S AlKhalifah. Conserving forest plants in semi-arid mountains: A holistic Approach . First International Conference on Semi-arid Mountain Environments." Environment and Sustainable Development in Asir region" . Abha, Saudi Arabia September 16-19, 2019.
15. 1st International UOP Engineering symposium. Honorable speaker. Climate Change Adaptation Strategies. 25. July, 2019. Petra University, Amman- Jordan
16. Rida A. Shibli, Mohammed A. Khasawneh, and Nael H. Thaher . Innovation as a Principle in University Governance: A Holistic Approach for Arab Universities. International Conference On Higher Education In The Arab World: Government And Governance; Beirut- Lebanon; 6-7 December 2019.
17. "In Vitro Production Of Secondary Metabolites From Medicinal Plants Growing In Jordan: A Review". International Congress On Natural Products (Icnp 2018) : From Plants And Co-Products To Medicaments And Bio-Agriculture. Hammamet– Tunisia – 8 to 10 November . 2018.
18. Climate Change and its impact on Agriculture. Eighth Scientific Agricultural Conference (ESAC-2018 Faculty of Agriculture of Mutah University, Karak, Jordan . 15-17 October, 2018
19. Exploring the antibacterial potential of *Lantana camara* L. extracts collected from in vivo and vitro grown plant material. The 5th Middle East Molecular Biology Congress and Exhibition". 3 to 6 . October 2018 at King Hussein bin Talal Convention Centre - Dead Sea (Jordan).
20. 1st Jordanian international Date Palm Festival. Scientific Symposium on Majedool Dates Palm. Conservation of date palm (*Phoenix dactylifera* L.) genetic resources. Jordan Dates Association, October . 22 .2018. Amman – Jordan
21. International Conference on Investing in Youth. ("Leaving No Adolescent and Youth Behind, Reaching the Invisible and the Furthest Behind. 19-20 October 2018 , Astana, Kazakhstan.
22. International Conference on WATER MANAGEMENT IN ARID AND SEMI-ARID LAND, 2017/ 7-10 October 2017, Jordan University of Science and Technology- Irbid, Jordan Oral presentaion : Evaluation of phytoremediation potential of callus cultures of *Lantana camara* LINN. In vitro grown in heavy metals contaminated media
23. The 15th Conference on Chemistry and Life Sciences ; Al Bayt University, Mafrq – Jordan. ICCB. 2017. Manipulating Some Culturing Conditions Enhances Production of Solanine in Microshoots, Callus and Cell suspension Cultures of *Solanum nigrum* L.: A Wild Medicinal Plant).

24. The 15th Conference on Chemistry and Life Sciences ; Al Bayt University, Mafrq – Jordan. ICCB. 2017. Oral presentaion : Evaluation of phytoremediation potential of callus cultures of *Lantana camara* LINN. In vitro grown in heavy metals contaminated media
25. 8th Annual Arab International Conference of Arab Biotechnology Association: Biodiversity, Biosafety and Bioindustry 1-2 November 2017, Sharm ElShiek- Eygpt. Oral presentation. Effect of Some Chemical Factors on Production of Pentacyclic Triterpenoids in Callus and Cell Suspension Culture of *Lantana Camara* L
26. World Science Forum. Dead Sea. Jordan. 2017
27. Decentralized conference in Jordan in the light of the 2017 elections. Amman- Jordan.
28. First Arab Conference (Enhancing Parliamentary Capacity for Environmental Legislation with a Focus on Genetically Modified Organisms), 13-14 / 12/2017. Landmark Hotel Amman- Jordan.
29. Conference of food security, February, 2017. The University of Jordan, Amman- Jordan.
30. Conference on (decentralization in Jordan in light of the elections in 2017). Under the patronage of Ministry of Political and Parliamentary Affairs & Friedrich Ebert Stiftung Ibert organization. 24/11/2016. Four-season Hotel, Amman – Jordan

31. Conference of Enhancing the Role of Parliamentarians in the Interrelationship between Population Issues and the Sustainable Development Agenda 2030. New Delhi, India. Sep. 2017.
32. NASIC Conference on Herbal Drug Development for Socio-economic Uplift in Developing World September 6th -8 th , 2015. The University of Jordan, Amman, Jordan.
33. 7th Annual International Arab Workshop on Biotechnology: Plant Biotechnology & Biodiversity. August, 2016. Amman, Jordan
34. The 1st International Conference on Natural Products & Drug Discovery , The University of Jordan, Amman, Jordan September 8 – 10, 2015. Effect of in vitro slow growth conservation of wild mint (*Ziziphora tenuior* L.) on oil production and pulegone concentration in the conserved plants
35. The 15th International Congress of the International Society for Ethnopharmacology which will be held on 5-8, May, 2015 in Petra, Jordan. " Cryopreservation by Vitrification of *Arum* (*Arum palaestinum*) Calli
36. The conference of ; The state of Jordan biodiversity for food and agriculture, 2015. Aqaba- Jordan.
37. Symposium on Restoring Degraded Ecosystems: Regional and International Perspectives at the Landmark Hotel on Monday 30 March 2015

38. Magos Braham J, Taifor H, Saifan S, Maxted N, Ghazanfar S, Al Sheyab F, Haddad N, Shibli R, Abu Taleb TA, Ali B. Developing and implementing a socioeconomic wild plant conservation strategy for Jordan. International Conference on the Conservation and Use of Socio- Economically Important Wild Plants in the Fertile Crescent, The Royal Botanic Garden, April 8-9, 2014. Amman-Jordan
39. Englman F, Al Qudah T, Saifan S, Shibli R. International Conference on the Conservation and Use of Socio- Economically Important Wild Plants in the Fertile Crescent, The Royal Botanic Garden, April 8-9, 2014. Amman-Jordan
40. 1st Turkish-Arab Congress on Higher Education. Collaboration on Research and Doctorate. Istanbul, Turkey, April 26-28, 2014.
41. Conference on Inquired Teaching of Science (Chain Reaction), Jordan Society for Scientific Research, April 5, 2014. Amman-Jordan.
42. Shatnawi, M; Al Shahab, M.; Abu-Rummann, S; Shibli, R. and Al-Domoor, H. clonal propagation, medium- term conservation and antimicrobial activity of *Ruta graveolens*: a medicinal plant. 2013. 8th IVCHB, International Symposium on In Vitro Culture and Horticultural Breeding, 2-7 June, University of Coimbra, Portugal.
43. International Conference on energy Renewable Energy and its future in the Arab world. 2013. Jordan Society for Scientific Research.
44. Shatnawi, M; S; Shibli, R. and Al-Domoor. Cryopreservation of *Ruta graveolens* a medicinal plants using vitrification method. . 2013. 8th IVCHB, International Symposium on In Vitro Culture and Horticultural Breeding, 2-7 June, University of Coimbra, Portugal.
45. Ist International Conference In Modern Advances In the Field of Biotechnology and Genetic Engineering, Land Mark, Amman , Jordan, Oct. 8, 2013.
46. First Arab-Euro University Conference on Higher Education, University of Barcelona, Barcelona, Spain, 30-31 May 2013
47. Daradkeh N. Q., R. A. Shibli, I. M. Makhadmeh, F. Alali, T. S. Al-Qudah. 2012. Cell suspension and in vitro production of colchicine in wild *Colchicum hierosolymitanum* Feib. 1st Biotechnology World Congress. Dubai, UAE, February 14th and 15^t.
48. The Sixth Islamic Conference of Higher Education Ministers and Scientific Research. “The role of higher education in the development of science and technology for a bright future”. Report on key performance indicators for the Universities of the Islamic World, Khartoum, and Republic of Sudan. 20-21/ 11/2012.
49. The Seventh Scientific Agricultural Conferences SSAC-2012. Irbid-Jordan, 8-10 October, 2012, Faculty of Agriculture, The University of Science & Technology (JUST).
50. Shibli, R.A. Cryopreservation of felty germander (*Teucrium polium* L.) shoot tips by encapsulation – vitrification and droplet - vitrification. The international symposium on

cryopreservation of horticultural crops. Northwest agricultural and Forest University. Yangling, China, 28-30 June 2011.

51. Shibli, R.A. 2011. Crocus in Jordan and the Middle East, Crocusbank the 4th year and final assessment meeting, the global collection of saffron for preservation and utilization of the genetic resources, 13-16th April, 2011, Valencia-Spain, Polytechnic University of Valencia.
52. The International Arab Conference to ensure the quality of higher education. 10-12 May/ 2011.
53. Al- Qudah T., R. Shibli and F. Alali. 2010. In vitro propagation and secondary metabolites production in wild germander (*Teucrium polium* L.). The Second International Symposium on Medicinal Plants: Their Cultivation and Aspects of Uses. Nov. 3-4. Petra, Jordan.
54. Daradkeh N., R. Shibli, F. Alali, I. Makhadmeh. 2010. In Vitro Production of Colchicine from Callus and Cell Suspension Cultures of wild *Colchicum hierosolymitanum* Feib. The Second International Symposium on Medicinal Plants: Their Cultivation and Aspects of Uses. Nov. 3-4. Petra, Jordan.
55. Musallam I.W., Duwayri M., and Shibli R. A.. 2010. Morphological Diversity of *Capparis spinosa* L. In Jordan. 6th Conference on Aromatic and Medicinal Plants of Southeast European Countries (6th CMAPSEEC), 18-22 April, Antalya, Turkey. Pharmacognosy Magazine 6 (22) : s108.
56. Shibli, R.A. 2010. An Experience of Distinguished Scholar, Scientific Faculties. Jordan University. Amman, Jordan, 2010.
57. Third Conference of Research Theses. Jordan University. Amman, November 29-30, 2010.
58. The National Conference for the Development of Study Plans, Teaching and Learning and Scientific Research. Ministry of Higher Education. Amman, June 15-17, 2010.
59. Sharing Knowledge across The Mediterranean (5). Organized by Sharing Knowledge Foundation. March 1-3, 2010. Dead Sea. Jordan.
60. Pan Arab Biodiversity Conference. Bibliotheca Alexandrina. Dec. 14-16, 2009. Alexandria, Egypt.
61. The Fourth Conference on Genetically Modified Food. The Technical and Consultation Center. Nov.16-17, 2009. Amman, Jordan,.
62. The Fourth Conference on Intellectual Property Rights In Agriculture. The Technical and Consultation Center. April. 19-20. Amman, Jordan, 2009.

63. Dradkeh, N., R.A. Shibli and I. Makhadmeh,. 2009. Callus, cell suspension culture and colchicines production in wild *Colchicum hierosolymitanum* Feib. The Science Week. Biotechnology;ogy Section. The Higher Council for Science. Amman, Jordan.
64. Shatnawi, M., R. Shibli, H. Al-Dmoor, M. Ateyat and S. Abubaker. 2009. In vitro propagation and cryopreservation of *Stevia rebusdian* (a medicinal plant) using vitrification method. Abstract Book, 1st International Symposium on Cryopreservation in Horticultural Species. April 5-8. Lueven, Belgium.
65. Baghdadi, S., R. Shibli,., M. Syouf, M. Shatnawi A. Arabiat, and I. Makhadmeh 2009. Cryopreservation by vitrification of embryogenic callus of wild crocus (*Crocus hyemalis* and *Crocus moabiticus*). Abstract Book, 1st International Symposium on Cryopreservation in Horticultural Species. April 5-8. Lueven, Belgium.
66. Shatnawi, M.A. and R.A. Shibli. 2009. Plant Biotechnology in Jordan: Current Status and Future Prospects. The Fourth Conference on Genetically Modified Food. The Technical and Consultation Center. Nov.16-17. Amman, Jordan, 2009.
67. Musallam I.W., Duwayri M., and Shibli R. A. 2009. Micropropagation of Caper (*Capparis spinosa* L.) - A Multipurpose Medicinal Plant. Euro Med Symposium Plant natural Products from Biodiversity to Bioindustry, 8-10 December, Cairo, Egypt.
68. Musallam I.W., Duwayri M., Shibli R. A. and Alali F. Q. The Effect of Plant Parts and Locations of Caper (*Capparis spinosa* L.) on Rutin Content. 4th Global Summit on Medicinal and Aromatic Plants, 2-4 December 2009, Sarawak, Malaysia. Page 109.
69. Baghdadi, S.H., R.A. Shibli, M.Q. Syouf, M.A. Shatnawai, A. Arabiat, I.M. Makhadmeh. 2009. Cryopreservation by encapsulation-vitrification of embryogenic callus of wild Crocus (*Crocus hyemalis* and *Crocus moabiticus*). The Fourth Conference on Scientific Research in Jordan. Jordan Society of Scientific Research. Landmark Hotel, Amman, Jordan. Nov. 7, 2009.
70. Shatnawi, M.A., R.Shibli, H. Al-Dmoor, M. Mazraawi and M.J. Ajlouni. 2009. Development of micropropagation protocol for stevia rebaudian: a medicinal plant. Proceeding, The Fourth Conference on Scientific research in Jordan, Agriculture. Jordan Society for scientific research, Amman, Jordan. pp. 29-48.
71. Shibli, R.A. 2009. Scientific research in Jordan: Current status and future prospects. Workshop on Agriculture sector development in Jordan. Al-Shobak College. Al-Balqa Applied University, Shobak, Jordan. April 30.
72. Al-Qudah A, Shibli R., Al Maari K. 2008. Determination of genetic stability of micropropagated Apricot cv Ajami and Torinel rootstock using Random Amplified

- Polymorphic DNA (RAPD) markers. International Symposium on Biotechnology. May 4-8 2008. Safax- Tunisia.
73. Musallam, I., M. Duwayri, R.A. Shibli., F. Q. Alali. 2008. Chemical diversity of rutin content in caper (*Caparis spinosa* L.) population from Jordan. First international Congress, Documenting, Analysing. And Managing Biodiversity in the Middle East. Oct. 20-23, 2008. Aqaba, Jordan.
 74. Shibli, R.A. Biosafety in the Arab World. The second International Jordanian-Egyptian Biotechnology Conference. Nov. 11-13. 2008. Yarmuk Unuiversity. Irbid. Jordan. PP.79.
 75. ShatnawiM.A.; R. Shibli.,H. Al-Dmoor, M. Mazrawi, and M.K. Ajlouni. Development of micropeopagation protocol for *Stevia rebaudian*: a ,Medicinal plant. The second International Jordanian-Egyptian Biotechnology Conference. Nov. 11-13. 2008. Yarmuk Unuiversity. Irbid. Jordan. PP.65.
 76. Shibli, R.A. , S. Bagdadi, and M. Shatnawi. 2008. Tissue Culture Methods for Conservation of Plant Genetic Resources. The First International Symposium on Medicinal Plants: Their Cultivation and Aspects of Uses. Oct. 15-18. Petra, Jordan.
 77. Shatnawi, M., A. Fauri, M. Al-Mazraawi, R. Shibli and I. Makhadmeh. 2008. Tissue culture and salt stress in *Chrysanthemum morifolium* Sixth International Symposium on In Vitro Culture and Horticulture Breeding. Aug. 24-28. Brisbane, Queensland, Australia.
 78. Shibli, R., S. Baghdadi, I. Makhadmeh, M. Syouf, A. Arabiat, and M. Shatnawi. 2008. Cryopreservation by Encapsulatin-dehydration of Embryogenic Callus of Wild Crocus (*Crocus hyemalis* and *Crocus moabticus*). Sixth International Symposium on In Vitro Culture and Horticulture Breeding. Aug. 24-28. Brisbane, Queensland, Australia.
 79. Shibli, R.; Baghdadi, S. 2008. Intellectual Property Rights Associated with Biotechnology: Inventions and Innovations in the Arab World. The Third International Conference on Intellectual Property Rights in Agriculture, April 1st-2nd 2008, Amman, Jordan.
 80. Musallam I.W., Duwayri M., Shibli R. A. and Alali F. Q.Chemical Diversity of Rutin Content in Caper (*Capparis spinosa* L.) Population from Jordan. First International Congress Documinting, Analysing and Managing Biodiversity in the Middle East, 20-23 October 2008, Aqaba, Jordan.
 81. Shatnawi,M. A. I. Qrunfleh, R. Shibli, Y. Al-Zubi and M.Obeidat. 2007. Micropropagation and germplasm storage of *Prunus avium* using cryogenic methods. The Sixth Jordnian Agricultural Scientific Conference, Amman, Jordan.

82. K. Al Maarri, A. Qudah, and R. Shibli. 2007. In Vitro Prpagation of rootstock reine claude P3116 (Torinel). The Sixth Jordnian Agricultural Scientific Conference, Amman, Jordan.
83. N. Karam, N Al-Khasawnwh, and R. A. Shibli. 2007. Growth and flowering of Black Iris (Iris Nigraican Dinsm) following treatment with plant growth regulators. The Sixth Jordnian Agricultural Scientific Conference, Amman, Jordan.
84. R. Shibli, M. Kushad, G.G. Yousef and M.A. Lila. Headspace Ethylene Accumulation and Physiological Responses of Tomato microshoot cultures grown under In Vitro Induced salinity stress. 2007. The Sixth Jordnian Agricultural Scientific Conference, Amman, Jordan.
85. A. Zatimeh, R.A Shibli, N.S. Karam, and I. Makhadmeh. Comparative responces of Muskmelon (Cumumis Melo L.) microshoots and hydroponic culture to salinity. 2007. The Sixth Jordnian Agricultural Scientific Conference, Amman, Jordan.
86. Shibli, R., 2007. Quality of Scientific Research. The Sixth Jordan Quality Conference. 2-4, December, 2007. Movenpick Hotel, Dead Sea, Jordan.
87. Shatnawi, M. and Shibli, R.A., 2007. Plant Biotechnology Research in Jordan and its Outcomes. Proceedings, The Third Conference on Scientific Research in Jordan. Jordan Society of Scientific Research. . Amman, Jordan. pp. 44-120.
88. Duwayri, M., R.A. Shibli, H. Megdadi, and M. Brake. Investment prospects in Agriculture Biotechnology. 2007. Proceedings, The Third Conference on Scientific Research in Jordan. Jordan Society of Scientific Research. . Amman, Jordan. pp. 37-47. (In Arabic).
89. Shibli, R. and Al-Horani, A. 2007. Biosafety Regulations in Arab World. The Second International Genetically Modified Food Conference. 30-31, October, The Technical Consultancy Center. Amman, Jordan.
90. The Third International Conference on Genetically Modified Food: Biofules. The Technical and Consultation Center. Nov. 18-19. Amman, Jordan, 2007.
91. The 9th Shanghai international Forum on Biotechnology & Pharmaceutical Industry. Shanghai-China, July 3-5, 2007.
92. The Third Conference for the Biotechnology and its application in the Arab agricultural investment. Amman-Jordan. June, 2007.
93. The establishment of a National Information Sharing Mechanism on the implementation of the Global of Action (GPA) on Plant Genetic Resources for Food and Agriculture. Amman-Jordan, June 21, 2007.
94. Expert Consultation on Genetically Modified Crops. Amman-Jordan, May 14-15, 2007.

95. Arafeh, R. M., R. A. Shibli, M. Al-Mahmoud and M. A. Shatnawi. 2006. Callusing, Cell Suspension Culture and Secondary Metabolites Production in Persian Oregano (*origanum vulgare* L.) and Arabian Oregano (*O. syriacum* L.). First Egyptian–Jordanian Conference on Biotechnology and Sustainable Development: Current Status and Future Scenarios. Cairo, Egypt, Dec. 11-14,2006.
96. Subaih, W. S., M.A. Shatnawi and R.A. Shibli. 2006. Cryopreservation of date palm (*Phoenix dactylefera*) embryogenic callus by encapsulation-dehydration and encapsulation-vitrification. Third International Date Palm Conference. United Arab Emirates University, Abu-Dhabi, UAE, Feb. 19-21, 2006.
97. Syouf M., R. Shibli, and F. Alali. 2005. Biodiversity and utilization of *Crocus* Species in Jordan. International Conference on Promoting Community-driven Conservation and Sustainable Use of Dry Land Agrobiodiversity. ICARDA, Aleppo, Syria.
98. R. Shibli, W. subaih and M. Ajlouni. 2005. In Vitro Conservation of Plant Genetic Resources. 2005. International Conference on Promoting Community-driven Conservation and Sustainable Use of Dry Land Agrobiodiversity. ICARDA, Aleppo, Syria.
99. R. Shibli and M. Ajlouni. 2005. Approaches and Progress in Introducing Biodiversity Conservation in the Education System in Jordan. International Conference on Promoting Community-driven Conservation and Sustainable Use of Dry Land Agrobiodiversity. ICARDA, Aleppo, Syria.
100. Qurashi, S., Shibli, R. A. , and Karam, N. 2005. A study in vivo and in vitro seed germination of black iris (*Iris nigricans* Dinsmore). (May). First scientific day of faculty of graduate studies. Jordan University of Science and Technology
101. Zatimeh, A., Shibli, R. A., and Karam, N. 2005. Comparative responses of muskmelon (*Cucumis melo* L.) micro-shoots and hydro-ponic cultures to salinity. (May). First scientific day of faculty of graduate studies. Jordan University of Science and Technology.
102. N.S. Karam, R. A. Shibli, and N. M. Al-Khassawneh. Growth and Flowering of Black Iris (*Iris nigricans* Dinsmore) as Affected by Paclobutrazol. 2004. Proceeding, Seventh Scientific Day. College of Agriculture, Jordan University of Science and Technology. Irbid, Jordan.
103. N.S. Karam, R. A. Shibli, and A. A. Al-Khasawneh. Patterns of Phenotypic and Genetic Variation of Black Iris (*Iris nigricans* Dinsmore) in Three Different Provinces in Jordan. 2004. Proceeding, Seventh Scientific Day. College of Agriculture, Jordan University of Science and Technology. Irbid, Jordan.

104. S. Qurashi, R. A. Shibli, N. Samarah, and N.S. Karam. A Study of In Vivo and In Vitro seed germination of Black Iris (*Iris nigricans* Dinsmore). 2004. Proceeding, Seventh Scientific Day. College of Agriculture, Jordan University of Science and Technology. Irbid, Jordan.
105. The Ninth General Conference of the Association of Agricultural Research Institution in the Near East and North Africa (AARINENA). 11-13 April. 2004. Muscat, Oman.
106. Shibli, R. A. Agricultural Biotechnology; Impact on Agriculture in the Arab World. 2003. Jordan Ninth Science Week, Biotechnology and its role in the Jordanian Economy. The Higher Council for Science and Technology General Secretariat. Amman, Jordan.
107. Shibli, R.A. New Approach in Modern Agriculture Biotechnology Research and Their Impact on Agriculture in the Arab World. 2003. Proceeding, Sixth Scientific Day. College of Agriculture, Jordan University of Science and Technology. Irbid, Jordan.
108. Owies D. S., R. A. Shibli, and K. I. Ereifej. In Vitro Propagation of Akub (*Gundelia tournefortii* L.). 2003. Proceeding, Sixth Scientific Day. College of Agriculture, Jordan University of Science and Technology. Irbid, Jordan.
109. Al-Hussein S., R. A. Shibli, and N. Karam. Direct and Indirect Regeneration in African Violet (*Saintpalia ionantha* Wendl.). 2003. Proceeding, Sixth Scientific Day. College of Agriculture, Jordan University of Science and Technology. Irbid, Jordan.
110. Abu- Shama M. M., R. A. Shibli, and K. I. Ereifej. Physiological Responses of Tomato (*Lycopersicon esculentum* Mill.) to In Vitro Induced Water Deficit. 2003. Proceeding, Sixth Scientific Day. College of Agriculture, Jordan University of Science and Technology. Irbid, Jordan.
111. Abed-Alrahman N. M., R. A. Shibli, and K. I. Ereifej. Influence of Salinity on Growth and Physiology of in vitro Grown Cucumber (*Cucumis sativus* L.). 2003. Proceeding, Sixth Scientific Day. College of Agriculture, Jordan University of Science and Technology. Irbid, Jordan.
112. Shibli, R. A., D. Haagenson, S.M. Cunningham, W.K. Berg, and J.J. Volenec. 2000. Cryopreservation of Alfalfa (*Medicago sativa* L.) Cells by Encapsulation-Dehydration. Plant Biologogy 2000. San Diego, CA. PP.96. Abst. # 415. USA.
113. Shibli, R.A., D.M. Haagenson, S.M. Cunningham. W.K. Berg and J.J. Volenec. 2000. A simple protocol for cryopreservation of alginate-coated alfalfa cells. Annual Meetings Abstracts. ASA, CSSA, ASSA. Minneapolis, Minnesota. pp. 147.

114. Shibli, R.A., M.A.L. Smith and M. Shatnawi. 1999. Pigment recovery from encapsulated-dehydrated *Vaccinium pahalae* (ohelo) cryopreserved cells. Proceedings: 2nd Biotechnology Conference. Al-Albyt University, Mafraq, Jordan.
115. Shibli, R.A., M.A.L. Smith, and M. Kushad. 1999. Influence of ethylene on the production of anthocyanin, and carotenoid from callus culture of *Vaccinium pahalae*, ohelo. Proceedings: 3rd Agricultural Conference. Mu'tah University, Karak, Jordan.
116. Shibli, R.A., M.A.L. Smith, and M. Kushad. 1998. Influence of ethylene on the production of anthocyanin and carotenoid from callus culture of *Vaccinium pahalae*, ohelo. Third Arab Conference on Modern Biotechnology and Areas of Application in the Arab World. 14-17 December, 1998. Cairo, Egypt.
117. Shibli, R.A., M.A.L. Smith, and M. Kushad. 1998. Influence of ethylene on the production of anthocyanin, and carotenoid from callus culture of *Vaccinium pahalae*, ohelo. Third Arab Biotechnology Conference. Dec. 14-17, 1998. Cairo; Egypt.
118. Conference of Biological Research and Studies in Jordanian Badia. March 30, 1998. Al-Albait University, Mafraq, Jordan.
119. Shibli, R.A., A. Jaradat, M. Ajlouni, S. Aljanabi and M. Shatnawi. 1997. Micropropagation in wild pear (*Pyrus syrica*). Proceedings; 2nd Arab Agriculture Conference, Jordan.
120. Shibli, R.A., M.A.L. Smith, and M. Kushad. 1997. Headspace ethylene accumulation reduces secondary metabolites production in *Vaccinium pahalae* cell culture. In *Vitro Cellular and Developmental Biology- Plant*. 33: 77A. Abstr. # P-1130. The Congress on IN Vitro Biology. Washington D.C., USA.
121. Al-Juboory, K.H., J. Al-Naimi, L.K. Al-Amiry, R. Shibli, and R.M. Skirvin. 1997. Organogenesis and cormel production from callus culture of *Gladiolus* CV. "Balady". *HortScience*. 32: 460. Abst. #192.
122. Shibli, R.A., M. Ajlouni, A. Jaradat and M. Shatnawi. 1997. In vitro conservation of wild pear (*Pyrus syrica*) in Jordan. *HortScience*. 32: 549. Abst. # 698.
123. Shibli, R.A., A.A. Jaradat, M.M. Ajlouni, S. Aljanabi. 1996. In vitro multiplication of bitter almond (*Prunus amygdalus*) from north Jordan. In *Vitro Cellular and Developmental Biology- Plant*. 32: 74A. Abstract # p-1031.
124. Shibli, R.A., Y. Fang and M.A.L. Smith. 1996. Regeneration of *Vaccinium pahalae* (ohelo) and *V. myrtillus* (bilberry). Hot Topics Addendum Booklet. 1996. World Congress on in Vitro Biology. San Francisco, CA, USA. Abstract # SP-1010.

125. Aljanabi, S.M., R. Shibli, M.M. Alajlouni. 1996. Insertion of maize transposable element Ac into soybean (*Glycin max* L. Merr.) by novel *Agrobacterium tumifaciens*-mediated transformation method. *In Vitro Cell. Devel. Biol.* 32: 111A. Abstract # P-1199. World Congress on In Vitro Biology. San Francisco, CA, USA.
126. Shibli, R.A., A.A. Jaradat, M.M. Ajlouni, S. Aljanabi. 1996. In vitro multiplication of bitter almond (*Prunus amygdalus*) from north Jordan. World Congress on In Vitro Biology, San Francisco, CA, USA.
127. Shibli, R.A., A. Jaradat, M. Ajlouni and M. Shatnawi. 1996. In vitro multiplication and rooting of wild pear (*Pyrus syrica*). 2nd Arab Agriculture Conference, Jordan.
128. Shibli, R.A., A. Jaradat, and M.M. Ajlouni. 1995. Salt tolerance in *Aegilops* species from Jordan. Proceedings, 87th Annual Meeting. American Society of Agronomy, Crop Science Society of America, Soil Society of America. St. Louis, MO. USA.
129. Shibli, R.A., A.M. Abu-Ein and M.M. Ajlouni. 1995. In vitro and in vivo multiplication of disease-free 'Spunta' potato. (May). Congress On In Vitro Biology. Denver. Colorado. USA. Congress On In Vitro Biology. Denver, CO. USA.
130. Shibli, R.A., A. Abu-Ein and M.M. Ajlouni. 1994. In vitro propagation and in vivo acclimatization of MM 106 apple rootstock. Proceedings, First Arab Agriculture Conference. (Jordan).
131. Second Arab Conference on Perspectives of Modern Biotechnology. April 24-28, 1993. Amman-Jordan
132. Shibli, R.A., L.A. Spomer and M.A.L. Smith. 1991. Osmotic adjustment and growth responses of in vitro grown *Chrysanthemum morifolium* Ramat. under induced water deficit. Abstract. *HortScience*. 25: 1125.
133. Shibli, R.A. and L.A. Spomer. 1991. Physiological responses of *Chrysanthemum morifolium* Ramat. to water deficit. Abstract. *HortScience*. 26: 714. ASHS 88th Annual Meeting. Philadelphia, Pennsylvania. USA.
134. Shibli, R.A. and L.A. Spomer. 1991. Characterization of *Chrysanthemum morifolium* Ramat. water requirements. (July). 88th ASHS Annual Meeting. Philadelphia, Pennsylvania. USA. Abstract. *HortScience*. 26: 741
135. Shibli, R.A. and L.A. Spomer, and M.A.L. Smith. 1990. Osmotic adjustment and growth responses of three in vitro grown *Chrysanthemum morifolium* Ramat. cultivars to osmotic stress. ASHS 87th Annual Meetings. Tucson, Arizona. USA.

136. Global change. November 19-22, 1990. Washington D.C., U.S.A. First Arab Conference on Perspectives of Modern Biotechnology. October 16-19, 1991. Amman-Jordan.

Advisor or Co-Advisor on Thesis Project (Examples):

1. **Darweesh Doaa**. 2020. Micropropagation, Callus Culture and Secondary Metabolites Production in wild *Chiliadenus montanus* (Vhal.) Brullo. School of Agriculture, University of Jordan, Amman. Jordan.
2. **Khawldeh Refad**. 2020. Micropropagation and conservation of *Thymus bovei* Benth, and evaluation of its geraniol content after slow growth conservation. School of Agriculture, University of Jordan, Amman. Jordan.
3. **Malek Roba**. 2020. Ph.D. Physiological responses of micropropagated *Chenopodium quinoa* Willd under different induced abiotic stresses and silver nanoparticles. School of Agriculture, University of Jordan, Amman. Jordan.
4. **Nori Nahed**. 2018-2020. M.Sc. Effect of different stress factor on growth, and antimicrobial activity of *Paronychia argentea*. School of Biotechnology and Agriculture. Balqa Applied University, Salt Jordan
5. **Adaileh Batool**, Co-Advisor. 2018- 2019. M.Sc. Thesis . Establishment of Callus and Cell Suspension Cultures for *Commiphora gileadensis*. School of Agriculture, University of Jordan, Amman. Jordan.
6. **Alkateeb Faten**, Advisor. 2017- 2018, M.Sc. Thesis. Thesis Studying the influence of salinity stress on growth, physiological changes, and phenolic compounds production of in vitro grown *Paronychia argentea*. School of Agriculture, University of Jordan, Amman. Jordan.
7. **Al Eshosh Anfal**, Advisor. 2015-2017, M.Sc. Thesis. Effect of some chemical factors on production of pentacyclic triterpenoids in callus and cell suspension culture of *Lantana camara* L. School of Agriculture, University of Jordan, Amman. Jordan.
8. **Al Enzi Abrar**, Advisor. 2015-2017, M.Sc. Thesis. In Vitro propagation and evaluation of some phenolic compounds in wild *Paronychia argentea* L. School of Agriculture, University of Jordan, Amman. Jordan.

9. **Mehirat Mawdeh**, Co-Advisor. 2015-2017, M.Sc. Thesis. In vitro propagation and antimicrobial activity of *Tetragonolobus palaestinus*: A medicinal plant from Jordan. School of Biotechnology and Agriculture. Balqa Applied University, Salt Jordan
10. **Darweesh Maysaa**, Advisor. 2015-2016, M.Sc. Thesis. In vitro propagation and antimicrobial activity of Qurdi *ochradenus baccatuc* daleli. *School of Agriculture, University of Jordan, Amman. Jordan.*
11. **Al –Saleh Majd**, Advisor. 2015-2016, M.Sc. Thesis. Antibacterial and Antifungal activity of in vitro grown *Ammi visnaga*(L.) Lam. **School of Agriculture, University of Jordan, Amman. Jordan.**
12. **Zghool Tamara, Advisor. 2014-2016, M.Sc. Thesis.** AL-Zghoul . Regeneration via somatic embryogenesis of the ornamental endangered *Narcissus tazetta* L. School of Agriculture, University of Jordan, Amman. Jordan.
13. **AL- Kiyam Mu'ad A.**, Advisor. 2014-2016 Ph.D. *In vitro* production of alkaloids in black nightshade *Solanum nigrum* L. and evaluation of genetic stability in the microshoot, callus and cell suspension cultures. **School of Agriculture, University of Jordan, Amman. Jordan.**
14. **Sabbah Bushra** , Advisor. 2014-2016, M.Sc. Thesis. Influence of salinity stress on growth and biochemical changes in transgenic barely (*Hordeum vulgare* .L) over-expressing *HvABF2* gene. School of Agriculture, University of Jordan, Amman. Jordan.
15. **Bin Edrees Hassan**, Advisor. 2012-2013 Ph.D. Dissertation. In vitro preservation and cryopreservation of *Artemisia judaica* L and their effect of genetic stability. School of Agriculture, University of Jordan, Amman. Jordan.
16. **Rweiay Hamdan**, Advisor. 2013-2014 Ph.D. Dissertation. In vitro preservation and cryopreservation of *Moringa peregrine* (Forssk) Fiori and their effect of genetic stability. School of Agriculture, University of Jordan, Amman. Jordan.
17. **Tahtamony Reham**, Advisor. 2012-2013 Ph.D. Dissertation. In vitro conservation and cryopreservation of L. and its effect on genetic stability, volatile oil yield and carvacrol content. School of Agriculture, University of Jordan, Amman. Jordan.
18. **Younes, L.** Advisor. 2011-2012 Ph.D. Dissertation. " *In vitro* multiplication and conservation of *Achillea fragrantissima* Forssk Sch. Bip.). School of Agriculture, University of Jordan, Amman. Jordan.
19. AL-Hawmdeh F. Advisor. 2011-2012 M.Sc. Thesis. *In Vitro* Propagation and Secondary Metabolites production In Milk Thistleb (*Silybum marianum* L.). School of Agriculture, University of Jordan, Amman. Jordan.
20. **Sharaf, S.** Advisor. 2009-2011. Ph.D. Thesis. "*Micropropagation and in vitro conservation of Artemisi herba Alba*). School of Agriculture, University of Jordan, Amman. Jordan.

21. **Rabaa, M.** Advisor. 2009-2011. M.Sc. Thesis. In vitro conservation of Felty germander (*Teucrium polium L*) shoot tips. School of Agriculture, University of Jordan, Amman. Jordan.
22. **Al Qudah, T.** Co-Advisor. 2007-2009. M.Sc. thesis “*Micropropagation ,Callusing And Secondary Metabolites in Teucrium polium L* ” College of Agriculture, Jordan University of Science and Technology. Irbid, Jordan.
23. **Mustafa, S.** Co- Advisor, 2007-2009, M.Sc. thesis “In Vitro Propagation of oriental strawberry tree (*Arbutus Andrachne.L*)” College of Agriculture, Jordan University of Science and Technology. Irbid, Jordan.
24. **Baghdadi, S.** Advisor. 2006-2008. M. Sc. Thesis “In vitro preservation and cryopreservation of embryogenic callus of wild crocus (*Crocus hyemalis* and *C. moabiticus*) ”, College of Agriculture, Jordan University of Science and Technology. Irbid, Jordan
25. **Al-Qudah, A.,** Co-advisor. 2005-2008. Ph. D. Dissertation “In vitro micropropagation of apricot cvs Baladi, Ajami, and rootstock reine claud P3116 (Torinel)”, College of Agriculture, Jordan University of Science and Technology. Irbid, Jordan.
26. **Daradkah, N.,** Advisor. 2004-2007. M.Sc. Thesis “Callus, cell suspension culture and colchicines production in *Colchicum hierosolymitanum*”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
27. **Nazzal, K.,** Advisor. 2004-2007. M. Sc. Thesis “Genotypic and phenotypic variation of Jordanian *Crocus spp.* In Mafraq and Ajloun Areas”, College of Agriculture, Jordan University of Science and Technology. Irbid, Jordan.
28. **Al-Qurashi, S.** Co-advisor. 2002-2005. M. Sc. Thesis “A study of in vitro and in vivo seed germination of black iris (*Iris nigricans*)”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
29. **Zatimeh, A.** Advisor. 2002-2005. M. Sc. Thesis “ Comparative responses of Muskmelon (*Cucumis melo L.*) Microshoots and hydroponic culture to salinity”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
30. **Subaieh, W.** Advisor. 2001-2004. M. Sc. Thesis “Influence of some chemical factors on regeneration in date palm (*Phoenix dactelifera L.*)”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
31. **Al-Khassawneh, N.** Co-advisor 2001-2004. M. Sc. Thesis “The use of plant growth regulates to break dormancy and regulate flowering of Black Iris (*Iris nigricans D.*)” College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
32. **Al-Khasawneh, A.** Co-advisor 2001-2004. M. Sc. Thesis “Patterns of phenotypic and genetic variation of Black Iris (*Iris nigricans D.*) in three different provinces in Jordan” College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
33. **Ibrahim, N.** Advisor. 2000-2004. M Sc. Thesis “ Micropropagation of some coffee (*Coffea arabica L.*) cultivars from Yemen”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.

34. **Abdelrahman, N.** Advisor. 2000-2003. M Sc. Thesis “The effect of induced salinity stress on tolerance and physiology of wild pear in vitro”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
35. **Dagnew, A.** Advisor. 2000-2003. M Sc. Thesis “Slow growth preservation and cryopreservation in African violet”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
36. **Al-Hussein, S.** Advisor. 2000-2003. M Sc. Thesis “Direct and indirect regeneration in African violet”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
37. **Abu-Sham’a, M.** Advisor. 2000-2003. M Sc. Thesis “Response of wild pear to in vitro induced water deficit”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan
38. **Oweis, D.** Advisor. 2000-2003. M Sc. Thesis “In vivo and in vitro propagation of Akoub”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
39. **Taye, E.** Advisor. 2000-2002. M Sc. Thesis “Morphological and Physiological and Yield traits of faba bean genotypes as affected by drought stress”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
40. **Abu-Khadejeh, A.** Advisor. 2000-2002. M Sc. Thesis “Comparative responses of tomato (*Lycopersicon esculentum* Mill.) microshoots, cell suspension and hydroponic cultures to salinity”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
41. **Al-Khateeb, W.** Co-Advisor. 2000-2002. M Sc. Thesis “Orobanche and tomato interaction as influenced by salinity and water deficit under in vivo and in vitro conditions”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
42. **Harb, A.** Co-Advisor. 2000-2002. M Sc. Thesis “The role of indole-3-acetic acid in host-parasite (orobanche) interaction”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
43. **Abu-Sharbi, A.** Co-Advisor. 1997-2001. Ph.D. Thesis “The role of thermal therapy and tissue culture on virus elimination in grape vine”, College of Agriculture, University of Jordan, Amman, Jordan.
44. **Al-Ababneh, S.** Advisor. 1998-2001. M Sc. Thesis “Cryopreservation of bitter almond and source orange”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
45. **Ajlouni, Z.** Co-Advisor. 1998-2001. M Sc. Thesis “Callus and in vitro regeneration systems in Barley (*Hordeum vulgare* L.): Influence of genotype”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
46. **Shawawreh, K.** Co-Advisor. 1998-2002. M.Sc. Thesis “Productivity and growth tomato (*Lycopersicon esculentum* Mill.)”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
47. **Al- Shyab, S.** Advisor, 1998-2001. M Sc. Thesis “ Influence of salt stress on in vitro growth and mineral uptake in sour orange”, College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
48. **Al-Sane’, K.** 1997-2000. Advisor, M.Sc. Thesis “Factors Affecting Callusing, Cell Sus

pension Culture and Production of Secondary Metabolites in African Violet (*Saintpaulia ionantha* Wendl.)”. College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.

49. **Arafah, R.** 1997-1999. Advisor, M.Sc. Thesis. “Factors Affecting In Vitro Propagation, Callusing, Cell Suspension Culture and Secondary Metabolites Production in Sweet Marjoram (*Origanum vulgare* L.) and Syrian Marjoram *Majorana syriaca* L. Rafin (*Origanum syriacum* L.)”. College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
50. **Tahtamoni, R.** 1996-1998. Advisor, M.Sc. Thesis “In Vitro Conservation of wild Pear (*Pyrus syriaca*)”. College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
51. **Hozain, M.** 1994-1996. Co-Advisor, M.Sc. Thesis “Effect of Various Media on Micropropagation of M111 Apple Rootstock”. College of Agriculture, University of Jordan, Amman, Jordan.

Committee Member on Thesis Examination (examples):

1. Hantash; Lamees, 2019 M.Sc. Thesis. Phytoremediation In *Solanum vilosum*. Faculty of Agriculture, University of Jordan, Amman, Jordan
2. Al- Mohusaien Ruba. 2018. M.Sc. Thesis Physiological responses of olive trees under deficit irrigation and olive mill wastewater irrigation. Biological Sciences, Hashemite University. Zarqa - Jordan, University of Jordan, Amman, Jordan
3. Al-Assoli Islam. Physiological responses of selected carrot (*Daucus carota* L.) genotypes to different levels of NaCl. 2018.M. Sc. Thesis. Faculty of Agriculture, University of Jordan, Amman, Jordan
4. Hasan Shireen, 2018. M. Sc. Thesis. Establishment of TY-Based F2 population using marker assisted selection of tomato (*Solanun lycopersicum*) plants. Faculty of Agriculture, University of Jordan, Amman, Jordan
5. Al Saggar Hala, 2016. M. Sc. The influence of Salt and osmotic stress on GABA meabolsim and ROS aacumilation in barley (*Hordeum vulgare*). Faculty of Agriculture, Jordan University of Science and Technology, Amman, Jordan
6. Shatnawi, M; Al Shahab, M.; Abu-Rummann, S; Shibli, R. and Al-Domoor, H. clonal propagation, medium- term conservation and antimicrobial activity of *Ruta graveolens*: a medicinal plant. 2013. 8th IVCHB, International Symposium on In Vitro Culture and Horticultural Breeding, 2-7 June, University of Coimbra, Portugal.
7. Abbas Shifaa, 2015, In vitropropagation and anitimicrobial of *Ruta graveolens* M. Sc. Faculty of Agriculture, Jordan University of Science and Technology, Amman, Jordan
8. Alrayyes Linda, 2014, Factors affecting in vitro growth of *Moringa peregrina* (Forssk) Fiori and the plant antimicrobial activity M.Sc. Faculty of Agricultural Technology. Al Balqa Applied University. Al Salt- Jordan.
9. Al Zyoud, Yousef. 2013. Factors affecting in vitro propagation, callus induction, antimicrobial and insecticidal activities of *Artemisia herba-alba* plants. M.Sc. Faculty of Agricultural Technology. Al Balqa Applied University. Al Salt- Jordan.
10. Al Shhab, M. A. 2011. Clonal propagation medium term conservation and antimicrobial activities of *Ruta gravolens*: Jordanian medicinal plant. M. Sc. Faculty of Agriculture, Al

- Balqaa Applied University, Salt, Jordan.
11. Shahrestani, S. 2011. Physiological Response of three olive cultivar under saline conditions. M. Sc. Faculty of Science, the Hashemite University, Zarqa, Jordan.
 12. Al Majali, R. 2011. Analysis of short Tandem Repeats (STRs) of Y-Chromosome Among the Arab Iraqi Population. M. Sc. Faculty of Science, Al Al-Bait University, Mafraq, Jordan.
 13. Zaeater, A. 2010. Bioinformatics Analysis of the Proanthocyanidin Biosynthetic Pathway in Hawthorn (*Crataegus* spp.). M. Sc. Faculty of Agriculture, University of Jordan, Amman, Jordan
 14. Zatimeh, A. 2010. Diversity Analysis and Conservation of Milk Thistle (*Silybum marianum* (L.) Gaertn. Populations in Jordan .Ph.D. Dissertation. Faculty of Agriculture, University of Jordan, Amman, Jordan
 15. Barakat, A. 2010. A study of tissue compatibility between almond rootstocks and apricot using micro and ordinary grafting. Ph.D. Dissertation. Faculty of Agriculture, Aleppo University, Aleppo- Syria.
 16. Bawaliz A. 2010. Assessment of Agro-morphological and genetic variation among two Jordanian landraces of vetch (*Vicia sativa* and *Vicia ervilla* L.) revealed by AFLP molecular marker. Ph.D. Dissertation. Faculty of Agriculture, University of Jordan, Amman, Jordan
 17. Al-Tamimi, H. 2010. Identification and Cell Culture of Green Microalgae from the Gulf of Aqaba. Ms.C., thesis, faculty of Agriculture, University of Jordan, Amman, Jordan.
 18. Hussien, M. 2009. Response of Soybean and pearl millet grown in a row intercropping system under different soil salinity and irrigation levels. Ph.D., faculty of Agriculture, University of Jordan, Amman, Jordan.
 19. Zoubi, B.H. 2009. Establishment of callus and cell suspension culture of hawthorn (*Crataegus azarolus* L.). The University of Jordan, Amman, Jordan.
 20. Saleh, B.A. 2008. ATR analysis of Y-chromosome in the population of middle district of Jordan. In Al-Albayt University. Mafraq, Jordan.
 21. Al-Hazayme, I., 2007. Antibiotic production from *Streptomyces* QU66C. In Al-Albayt University. Mafraq, Jordan.
 22. Al-abadi, B., 2007. Genetic variations among Jordanian tomato landraces using simple repeat (SSR) and their salt tolerance at germination and seedling stages. In Jordan. Jordan University of Science and Technology. Irbid, Jordan.
 23. Husain, M., 2007. Tissue Culture Studies on Propagation of Two Multipurpose Tree Species- *Pterocarpus marsupium* Roxb. and *Melia azedarach* L. In Aligrah Muslim University. Aligrah, India.
 24. Rawashdeh, I., 2007. Variation among and within Populations of *Achillea fragrantissima* (Forsk.) Schultz Bip. From Jordan and Their Cultivation Potential. University of Jordan.
 25. Al-Omouh, M. 2007. Gross Chemical Composition, Mineral Content, Phenolics, Anthocyanines and Antioxidant Determination in Some Wild Plants with Medical Potential from Jordan. In Jordan. Jordan University of Science and Technology. Irbid, Jordan.
 26. Al-Lozi, S. 2007. Phenotypic and Genotypic Variation of Arum Species In Jordan. Jordan University of Science and Technology. Irbid, Jordan.
 27. Rawashdeh, I. 2007. Variation Among and within Populations of *Achillea Fragrantissima* (Forsk.) Schultz Bip. From Jordan and Their Cultivation Potential. University of Jordan.

- Amman, Jordan.
28. Ahmed F. Hussain. 2005. Development of Transgenic Tomato Plants Resistant to Tomato Yellow Leaf Curl Virus (TYLCV) via Gene Silencing Technology. Al-Balqaa' Applied University. Sult, Jordan.
 29. Isleem, W.R. 2005. In vitro Establishment of Somaclonal Olive (*Olive europeae L.*) cultivar. College of Agricultur, University of Jordan, Amman, Jordan.
 30. Al Sakran, L. S. 2004. M. Sc. Arabicization of Agricultural Terms from a Terminology Planning Perspective. Yarmouk University, Irbid, Jordan.
 31. Al-Rawashdeh, N. 2004. M.Sc. Phenotypic diversity for agronomic and morphological traits for durum wheat landraces from Jordan. College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
 32. Al-Fawaz, A., 2003. Production of Antimicrobial Agents from Cyanobacteria. In Al-Albait University. Mafraq, Jordan.
 33. Al-Omari, Y. 2003. M.Sc. Influence of Potassium and Salinity on cucumber plants (*Cucumis sativus L.*) grown in hydroponics. College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
 34. Abu-Rumman S. M. 2003. In vitro study of the physiological responses of 'Sultan' cucumber to induced salinity and osmotic stress. College of Agricultur, University of Jordan, Amman, Jordan.
 35. Damer S. I. 2003. *Gysophila paniculata L.* Micropropagation. College of Agriculture, University of Jordan, Amman, Jordan.
 36. Al Dehadheh A. M. 2003. Morphological and biochemical characteristics of pollen from some olive (*Olea europaea L.*) cultivars in Jordan. College of Agriculture, University of Jordan, Amman, Jordan.
 37. Al Shbail, N. 2003. Antibacterial activity of some plant extracts from al mafraq area. De partment of Biology. Al-Albyt University. Mafraq, Jordan.
 38. Naji, A. S. 2002. Agar production from marine algae in the red sea (Gulf of Aqaba, Jordan and Port of makha, Yamen). Department of Biology. Al-Albyt University. Mafraq, Jordan.
 39. Arikat, N.A. 2002. M.Sc. In vitro propagation and secondary metabolite production in sage (*Salvia fruticosa L.*). College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
 40. Haddad J. 2002. M.Sc. Effect of H₂O₂ and ethephone on seedling chilling tolerance, fruit yield and post harvest qualities of tomato. College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
 41. Al-Hamouri, A. 2002. M.Sc. Fertilizer use efficiency under vegetable drip fertigation systems. College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
 42. Al-Mahadeen, A. Y. 2001. Ph.D. Analysis of growth and seed production of onion in response to GA₃, bulb size, cold storage, planting and population pressure at Ghor Al-Safi. University of Jordan, Amman, Jordan.
 43. Al-Sukkar, O.A. 2000. M.Sc. Germination studies on *Pistacia palestina Boiss* seeds using chemical and physical treatments. University of Jordan, Amman, Jordan.
 44. Chibani, K.A. 2000. M.Sc. Effect of auxin source and concentration on in vitro regeneration of two citrus rootstocks. University of Jordan, Amman, Jordan.
 45. Qubaj, T. 1999. M.Sc. Effect of acid or base treatments on rooting of semi-hard

- wood cuttings of ‘Nabali’ olive cuttings. University of Jordan, Amman, Jordan.
46. Al-Majthoub M. 1999. M.Sc. In vitro propagation of wild cyclamen (*Cyclamen persicum* Mill). College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
 47. Al-Salhi, T. 1998. M.Sc. Identification of Potato Virus Y (PVY) Variants Affecting Pepper Cultivars (*Capsicum* spp.) in Jordan. College of Agriculture, University of Jordan, Amman, Jordan.
 48. Al-Soudi, L. 1998. M.Sc. Removal of Wastewater Nutrients and Heavy Metals by Immobilized Microalgae. Department of Biology. Al-Albyat University. Mafrqa, Jordan.
 49. Bashabsheh, N. 1998. M.Sc. Effect of Soil Conditioners and Plastic Mulches on the Performance of ‘Ashuri’ Pistachio in Almuqar Area. College of Agriculture, University of Jordan, Amman, Jordan.
 50. Al-Azizi, M.J. 1998. M.Sc. The effect of potassium fertilizers on yield and quality of processing tomatoes. University of Jordan, Amman, Jordan.
 51. Abu-Samra, W. 1998. M.Sc. Salt Tolerance of Wheat (*Triticum* spp.) Cultivars at Three Stages of Growth. College of Agriculture, Jordan University of Science and Technology, Irbid, Jordan.
 52. Hammoudeh, H. 1994. M.Sc. Micropropagation and Regeneration of Strawberry Cultivar Honoeye. College of Agriculture, University of Jordan, Amman, Jordan.
 53. Yousef, A. 1994. M.Sc. Micropropagation of Spunta potato. College of Agriculture, University of Jordan, Amman, Jordan

Community Education:

- Have helped many private companies and institution in developing their biotechnology projects and programs.
- Have participated in many radio programs and TV shows explaining the aspects of utilizing tissue culture techniques for nursery production and farming.
- Have written many newspaper and magazine articles (i.e. Agriculture Engineer Magazine) about tissue culture and its utilization.
- Have participated in many forums explaining different aspects of plant tissue culture and biotechnology to interested people.
- Have participated in the organization of many workshops and was a member of the Committee of many conferences in Jordan.

References:

- Dr. Mary Ann Lila, Professor of Plant Physiology *
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