

Resume

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Vital

Date of Birth 25/12/1978
Place of Birth Amman, Jordan
Nationality Jordanian
Marital Status Married (Two children)

Title: Professor of Crop Biotechnology
Position: Director; Office of Cooperation and International Relations (OCIR)

Education:

- 2004 to 2008 PhD. Plant Molecular Physiology and Biotechnology.
University of Hohenheim, Stuttgart, Germany.
(Average: *magna cum laude* – Very good)

Research project:
Functional characterization of 12-oxophytodienoate reductases in
Arabidopsis
- 2000 to 2003 MSc. Horticulture and Plant Protection
University of Jordan, Amman, Jordan
(Average: 3.94 GPA / Excellent, Ranked the First)

Research project:
In vitro study of the physiological responses of ‘Sultan’ cucumber
to induced salinity and osmotic stress.
- 1996 to 2000 BSc. Plant Production
Mutah University, Karak, Jordan
(Average: 75.1% / Good, Ranked the First)

Work Experiences:

- Since 2/2017 Full Professor, Al-Balqa Applied University. Al-Salt, Jordan.
- 12/2017 – present Director, Office of Cooperation and International Relations (OCIR), Al-Balqa Applied University. Al-Salt, Jordan.
- 9/2015 – 11/2017 Vice Dean, Faculty of Graduate Studies, Al-Balqa Applied University. Al-Salt, Jordan.
- 9/2013 – 9/2014 Assistant Dean for Research Station Affairs, Faculty of Agricultural Technology, Al-Balqa Applied University. Al-Salt, Jordan.
- 9/2013 – 9/2014 Assistant Dean for Student Affairs, Faculty of Agricultural Technology, Al-Balqa Applied University. Al-Salt, Jordan.
- 2/2013 – 2/2017 Associate Prof., Al-Balqa Applied University. Al-Salt, Jordan.
- 2/2010 – 2/2013 Assistant Prof., Al-Balqa Applied University. Al-Salt, Jordan.
- 2/2009 – 2/2010 Full-Time Lecturer, Al-Balqa Applied University. Al-Salt, Jordan.
- 10/2003 – 3/2004 Research Assistant, University of Jordan. Amman, Jordan
- 9/2001 – 6/2003 Teaching Assistant, University of Jordan. Amman, Jordan

Practical and Techniques:

- More than two years of research experience in plant tissue culture: micropropagation, callus induction and *in vitro* stress physiology.
- Theoretical and practical training course in Integrated Pest Management (IPM), 1 June, 2000 to 1 April, 2001. Deutsch Gesellschaft für Technische Zusammenarbeit (GTZ), Jordan.
- DNA, RNA and protein isolation. *Arabidopsis* cultivation and manipulation. Transformation (*Escherichia coli* and *Arabidopsis*). PCR and RT-PCR. Cloning and establishing constructs. Analysis of T-DNA insertion lines. Generation and analysis of transgenic plants. Phenotypic analysis of mutant plants. RNA interference. Heterologous protein expression in *E. coli*. Laboratory Biosafety.

Research Interests:

- Functional Genomics.
- Gene Expression.
- Abiotic Stress Signals.
- Plant Biotechnology.
- Allelopathy.

University Courses Taught:

- Graduate Courses:

- Advanced Molecular Biology
- Advanced Bioinformatics
- Seminar

- Undergraduate Courses:

- Molecular Biology
- Cell Biology
- Animal Biotechnology
- Food Biotechnology
- Microbial Biotechnology
- Bioinformatics
- Seminar

Theses Supervision

1. **Maysa Alfares.** Postgraduate Student (MSc), 2016–present. Cloning, Sequence Analysis, and Expression Profile of a Superoxide Dismutase Gene from Lentil.
2. **Anas Mussalum.** Postgraduate Student (MSc), 2016–present. Cloning and Characterization of a Dehydrin Gene from *Atriplex* Species.
3. **Heba Ramadan.** Postgraduate Student (MSc), 2015–present. Isolation and Expression Analysis of Ascorbate Peroxidase Gene from Lentil.
4. **Maysa Soman.** Postgraduate Student (MSc), 2015–present. Allelopathic Effect of *Brassica nigra L.* on Growth, Photosynthesis Aspects and the Expression of Superoxide Dismutase Gene and Other Genes of *Hordeum vulgare L.* of Different Genotypes.
5. **Aya Awad.** Postgraduate Student (MSc), 2016. Thesis Title: Differential Responses of Cultivated Barley of Different Levels of Genetic Diversity to Salt Stress and the Expression of Superoxide Dismutase Gene.
6. **Taha Al-Irr.** Postgraduate Student (MSc), 2015. Investigation the Activities of Selected Medicinal Plant Extracts against Pathogenic Bacteria and Colorectal Cancer.

7. **Ahmad Sharab.** Postgraduate Student (MSc), 2015. Thesis Title: Molecular and Biochemical Characterization of Cytotoxic Activity of Some Medicinal Plant Extracts Against Cancer Cells.
8. **Bayan Al-Momany.** Postgraduate Student (MSc), 2013. Thesis Title: Isolation and Expression Analysis of Putative Oxo-Phytodienoic Acid Reductase Gene from Barley.
9. **Mohammad Shehab.** Postgraduate Student (MSc), 2011. Thesis Title: Clonal Propagation, Medium-Term Conservation and Antimicrobial Activity of *Ruta graveolens*: a Jordanian Medicinal Plant.

Thesis Examining Committees

- Member of the examining committees of 12 graduate Ph.D. and M.Sc. students:
 1. Ibrahim Alshomali. Ph.D. in Horticulture and Crop Science, 2017. Analysis of Salinity Stress Genes in Three Common Fig Genotypes (*Ficus carica*) from Jordan. The University of Jordan.
 2. Esra'a Alawi. M.Sc. in Biological Sciences, 2017. Isolation and Screening of Crude Oil-Degrading Microorganisms from Oil-Contaminated Soil at the Jordanian Oil Refinery. Al al-Bayt University.
 3. Ruba Al-Issa. M.Sc. in Biotechnology, 2017. Studying the Expression Patterns of Ars and other Gene Families in Relation to Some Physiological aspects under Normal and Stress Conditions of Salinity and Pathogenicity in Jordanian Landraces of Tomato of Different Stages of Development. Al-Balqa Applied University.
 4. Mawada Mhirat. M.Sc. in Biotechnology, 2017. Clonal Propagation and Antimicrobial Activity of *Tetragonolobus palaestinus* Bioss: A Jordanian Medical Plant. Al-Balqa Applied University.
 5. Sana Beedallah Ali. M.Sc. in Biological Sciences, 2015. Oxidative Stress and Antioxidant Responses in Salt Acclimated and Non-acclimated Lentil (*Lens culinaris* M.) Plants. Yarmouk University.
 6. Halima Mohammad. M.Sc. in Biological Sciences, 2014. The Nitrogen Fixation Potential of ACC (1-Aminocyclopropane-1-Carboxylate) Utilizing and Phosphate Solubilizing *Rhizobium leguminosarum* bv *viciae* Nodulating Bean (*Vicia faba* L.) Plants Isolated From Soils in Jordan. The University of Jordan.
 7. Mufida Abdullah. M.Sc. in Biological Sciences, 2014. Screening of Some Algae Isolated From Local Environment For Ability to Decolorize Methylene Blue and Congo Red Dyes. Al al-Bayt University.

8. Turkia Al-Wahishe. M.Sc. in Biological Sciences, 2014. Bioremoval Capacity of Phenol by Some Algae and Fungi Isolated from Local Environment. Al al-Bayt University.
 9. Ruba Abu-Sbeih. M.Sc. in Biotechnology, 2013. Isolation and Detection of *Helicobacter pylori* from Patients Suffering from Peptic Ulcer Using Biochemical Tests and Molecular Techniques. Al-Balqa Applied University.
 10. Yousef Al-Zyoud. M.Sc. in Biotechnology, 2013. Factors Affecting *In Vitro* Propagation, Callus Induction, Antimicrobial and Insecticidal Activities of *Artemisia herba-alba* Plants. Al-Balqa Applied University.
 11. Afnan Zuit. M.Sc. in Plant Biotechnology, 2010. Bioinformatic Analysis of the Proanthocyanidin Biosynthetic Pathway in Hawthorn (*Crataegus* spp). The University of Jordan.
 12. Lana Al-Qadomii. M.Sc. in Plant Biotechnology, 2009. Assessment of *In Silico* BAC-Based SSR Marker Development for Tomato (*Solanum Lycopersicum* L). The University of Jordan.
- Supervised more than 41 undergraduate students in their graduation projects.

Current Research Projects:

- Genomic and Bioinformatics Analysis of Oxo-Phytodienoate Reductases Gene Family in Barley. (PI)
Project funded by Al-Balqa Applied University/Deanship of Scientific Research (7700 JD)
- Molecular Cloning and Expression Profile Analysis of ZF-HD Transcription Factors in Wheat. (PI)
Project funded by Al-Balqa Applied University/Deanship of Scientific Research (4900 JD)
- Microarray Analysis of the Genome-Wide Response to Cement-Dust Pollution in *Arabidopsis thaliana*. (PI)
Project funded by Scientific Research Support Fund/Ministry of Higher Education and Scientific Research (97004 JD)
- Molecular Characterization of Local *Streptomyces* Isolates and Determination of Their Cytotoxicity against Breast Cancer Cells. (Co-PI)
Project funded by Abdul Hameed Shoman Foundation (11200 JD)
- Phenotypic and Molecular Screening of Apple Genotypes to Woolly Apple Aphid Resistance. (PI)
Project funded by Abdul Hameed Shoman Foundation (12400 JD)
- Performance of Some Grapevine Rootstocks under Different Brackish Water Irrigation Practices and the Molecular Basis of the Performance. (Co-PI)
Project funded by Scientific Research Support Fund/Ministry of Higher Education and Scientific Research (89837 JD)
- Epidemiology, Occurrence, Distribution, Molecular Characterization and Detection of Citrus Virus and Viroid Diseases in Jordan. (Co-PI)
Project funded by Scientific Research Support Fund/Ministry of Higher Education and Scientific Research (73800 JD)
- Molecular and Biochemical Characterization of Cytotoxic Activity of Some Medicinal Plant Extracts Against Cancer Cells. (Co-PI)
Project funded by Al-Balqa Applied University/Deanship of Scientific Research (3000 JD)
- Identification of Milk Origin Used in Processing of Different Dairy Products Marketed in Jordan. (Co-PI)
Project funded by Al-Balqa Applied University/Deanship of Scientific Research (4600 JD)
- Molecular cloning and Gene Expression Analysis of Superoxide Dismutase Gene in *Vicia sativa* (PI)
Project funded by Abdul Hameed Shoman Foundation (14000 JD)
- Anti-inflammatory Effect of Some Medicinal Plant Extracts against Prostate Cancer In Vitro. (Co-I)
Project funded by Al-Balqa Applied University/Deanship of Scientific Research (8100 JD)
- Development of Molecular Techniques for the Detection of Pork Derivatives in Some Food Products in Jordanian Market. (Co-I)
Project funded by Al-Balqa Applied University/Deanship of Scientific Research (4800 JD)

Honors and Academics Awards:

- One Year Seniority in Promotion to the Full Professor Rank. 2016. Due to distinguish research work.
- One Year Seniority in Promotion to the Associate Professor Rank. 2012. Due to distinguish research work.
- DAAD (German Academic Exchange Service) Ph.D Scholarship Holder (2004-2008).
- First Rank Certification for M.Sc Degree (2003).
- Hamdi Manko Fellowship for research requirements (2002-2003).
- Financial support for research requirements from the National Center of Agricultural Research and Technology Transfer (NCART) (2002).
- First Rank Certification for B.Sc Degree (2000).

Meetings and Conferences:

1. Hazem Hasan, Leena Irshaid, and **Saeid Abu-Romman** (2014). Survey of aphid species and associated parasitoid on cultivated area in Al-Homara, Jordan. Eleventh Arab Congress of Plant Protection. November 9-13, 2014, Amman, Jordan. Talk
2. Mohamad Shatnawi, Mohammad Shahab, **Saeid Abu-Romman**, Rida Shibli, and Hane Al-Domoor (2013). Clonal propagation, medium- term conservation and antimicrobial activity of *Ruta graveolens*: a medicinal plant. The 8th IVCHB, International Symposium on In Vitro Culture and Horticultural Breeding. June 2-7 2013, University of Coimbra, Portugal. Talk
3. **Saeid Abu-Romman** (2012). Molecular cloning and expression of 12-oxophytodienoic acid reductase gene from barley. The Seventh Scientific Agricultural Conference. October 8-10, 2012, Irbid, Jordan. Talk
4. Mohammad Al-Shehab, Mohamad Shatnawi and **Saeid Abu-Romman** (2012). Clonal propagation, medium term conservation and antimicrobial activity of selected Jordanian medicinal plants. The Seventh Scientific Agricultural Conference. October 8-10, 2012, Irbid, Jordan. Poster
5. Nadja Liebig, Mahmoud Saleh, **Saeid Abu-Romman**, Andreas Schaller and Annick Stintzi (2012). A physiological function for the homologs of Old Yellow Enzyme in Arabidopsis. The 25th Meeting of Plant Molecular Biology. February 28-March 2, 2012, Dabringhausen, Germany. Poster
6. Nadja Liebig, Mahmoud Saleh, **Saeid Abu-Romman**, Andreas Schaller and Annick Stintzi (2010). A possible role for the homologs of OPR3. 4th

- RegioPlantScience-Meeting. October, 2010, Max Plank Institute, Tübingen, Germany. Poster
7. **Saeid Abu-Romman** (2010). Responses of cucumber callus to sorbitol-induced osmotic stress. Industrial Biotechnology: Current Status and Future Prospect. July 14-15, 2010, Cairo, Egypt. Talk
 8. **Saeid Abu-Romman**, Andreas Schaller and Annick Stintzi (2007). The role of 12 oxophytodienoate reductases during oxidative stress responses in *Arabidopsis*. 1. RegioPlantScience-Meeting. October 12, 2007, Max Plank Institute, Tübingen, Germany. Poster
 9. **Saeid Abu-Romman**, Andreas Schaller and Annick Stintzi (2007). The role of 12-oxophytodienoate reductases during oxidative stress responses in *Arabidopsis*. International PhD Summer school "Environmental signaling: Arabidopsis as a model". August 27-29 2007, Utrecht, the Netherlands. Poster
 10. Annick Stintzi, **Saeid Abu-Romman** and Andreas Schaller (2007). The contribution of oxophytodienoate reductases to oxidative stress tolerance in *Arabidopsis thaliana*. 19th annual meeting of the international plant growth substances association. July 21-25, 2007, Puerto Vallarta, Mexico. Talk
 11. **Saeid Abu-Romman**, Andreas Schaller and Annick Stintzi (2006). Functional characterization of 12-oxophytodienoate reductases in *Arabidopsis*. 3rd Tri-National Arabidopsis Meeting. September 26-29, 2006, Tübingen, Germany. Poster

Publications:

1. **Abu-Romman, S.** and Al-Hadid, K. 2017. Novel zinc finger-homeodomain gene from barley (*HvZFHDI*) is differentially regulated during spike development and under hormonal treatments and abiotic stresses. Notulae Botanicae Horti Agrobotanici Cluj-Napoca. 45(1): 89–96.
2. Qrunfleh, I. **Abu-Romman, S.** and Ammari, T. 2017. ‘Superior Seedless’ grapevine grafted on three rootstocks grown on calcareous soil under diluted brackish water irrigation. II. Expression of antioxidant defense genes. Advances in Horticultural Science. 31(4). 275–280.
3. Qrunfleh, I. Ammari, T. and **Abu-Romman, S.** 2017. ‘Superior Seedless’ grapevine grafted on three rootstocks grown on calcareous soil under diluted brackish water irrigation. I. Growth performance. Advances in Horticultural Science. 31(4). 249–256.

4. Al-Bakheit, A. **Abu-Romman, S.** Sharab, A. and Al Shhab, M. 2017. Anti-inflammatory effect of *Varthemia iphionoides* extracts against prostate cancer *in vitro*. European Journal of Inflammation. 15(1): 8–14.
5. Salman, M. Salameh, N. and **Abu-Romman, S.** 2017. Germination and seedling growth of barley as affected by *Artemisia annua* water extract. Plant Omics. 10(1): 1–6.
6. Ammari, T. Al-Atiyat, M. Abu-Nameh, E. Ghrair, A. Jaradat, D. and **Abu-Romman, S.** 2017. Bioremediation of cadmium-contaminated water systems using intact and alkaline-treated alga (*Hydrodictyon reticulatum*) naturally grown in an ecosystem. International Journal of Phytoremediation. 19(5): 453–462.
7. Burjaq, S. **Abu-Romman, S.** and Haddad, M. 2017. Molecular characterization of virulence genes and antibiotic resistance among fecal *Escherichia coli* isolated from surface water of Wadi Shueib-Jordan. The International Arabic Journal of Antimicrobial Agents. 7(1:4): 1–7.
8. Hasan, H. Al-Hadid, K. and **Abu-Romman, S.** 2017. *Sarcopoterium spinosum* (L.) Spach aqueous extract inhibits seed germination and seedling growth of winter wheat (*Triticum durum* Desf.). Research on Crops. 18(2): 210–215.
9. **Abu-Romman, S.** and Alzubi, J. 2016. Transcriptome analysis of *Arabidopsis thaliana* in response to cement dust. Genes & Genomics. 38(9): 865–878.
10. Haddad, M. **Abu-Romman, S.** and Sharab, A. 2016. *In vitro* antimicrobial activity of methanolic extract from *Varthemia iphionoides* leaves. Journal of Agricultural Science. 8(9): 1–6.
11. **Abu-Romman, S.** 2016. Molecular characterization of a catalase gene (*VsCat*) from *Vicia sativa*. International Journal of Biology. 8(3): 66–76.
12. **Abu-Romman, S.** 2016. Genotypic response to heat stress in durum wheat and the expression of small HSP genes. Rendiconti Lincei. 27(2): 261–267.
13. Al-Momani, B. and **Abu-Romman, S.** 2016. Homologs of old yellow enzyme in plants. Australian Journal of Crop Science. 10(4): 584–590.
14. **Abu-Romman, S.** 2016. Differential allelopathic expression of different plant parts of *Achillea biebersteinii*. Acta Biologica Hungarica. 67(2): 159–168.
15. Al-Daghistani, H. Hassawi, D. Hasan, A. **Abu-Romman, S.** and Hawari, A. 2016. Prevalence of exfoliative toxins and toxic shock syndrome toxin-1 encoding genes among coagulase positive *Staphylococcus* isolated from human and animal sources. African Journal of Microbiology Research. 10(12): 376–386.

16. **Abu-Romman, S.** and Alzubi, J. 2015. Effects of cement dust on the physiological activities of *Arabidopsis thaliana*. American Journal of Agricultural and Biological Sciences. 10(4): 157–164.
17. **Abu-Romman, S.** Haddad, M. and Al-Hadid, K. 2015. The potential allelopathic effects of *Varthemia iphionoides* and the identification of phenolic allelochemicals. Jordan Journal of Biological Sciences. 8(4): 301–306.
18. **Abu-Romman, S.** and Ammari, T. 2015. Allelopathic effect of *Arundo donax*, a mediterranean invasive grass. Plant Omics. 8(4): 287–291.
19. Al-Momani, B. and **Abu-Romman, S.** 2014. Cloning and molecular characterization of a flavin-dependent oxidoreductase gene from barley. Journal of Applied Genetics. 55(4): 457–468.
20. **Abu-Romman, S.** and Ateyyat, M. 2014. Phenotypic and molecular screening of apple genotypes to woolly apple aphid resistance. Notulae Botanicae Horti Agrobotanici Cluj-Napoca. 42(1): 99–103.
21. **Abu-Romman, S.** 2014. Molecular cloning and expression analysis of zinc finger-homeodomain transcription factor *TaZFHD1* in wheat. South African Journal of Botany. 91: 32–36.
22. **Abu-Romman, S.** Suwwan, M. and Al-Dmoor, H. 2014. Interactive effects of NaCl salinity and phosphorus on growth and mineral contents of cucumber microcultured on proliferation medium. Advances in Environmental Biology. 8 (12): 209–2013.
23. Al-Ramamneh, E. Al-Rawashdeh, Z. Karajeh, M. and **Abu-Romman, S.** 2013. Plant response of strawberry to intra-row spacing and growing conditions in south of Jordan. Asian Journal of Plant Sciences. 12(5): 201–207.
24. Ammari, T. Tahhan, R. AbuBaker, S. Al-Zu'bi, Y. Tahboub, A. R. Ta'any, R. **Abu-Romman, S.** Al-Manaseer, N. and Stietiya, M. 2013. Soil salinity changes in the Jordan Valley potentially threaten sustainable irrigated agriculture. Pedosphere. 23 (3): 376–384.
25. **Abu-Romman, S.** Suwwan, M. and Al-Ramamneh, E. 2013. The influence of plant growth regulators on callus induction from hypocotyls of cucumber (*Cucumis sativus* L.). Advances in Environmental Biology. 7 (2): 339–343.
26. **Abu-Romman, S.** Suwwan, M. and Al-Ramamneh, E. 2013. Alleviation of salt stress by phosphorus in cucumber microshoots grown on rooting medium. World Applied Sciences Journal. 22 (2): 186–191.

27. Ammari, T. Ta'any, R. Abu-Baker, S. Tahboub, A. Almanaseer, N. Aloran, N. Abu-Harb, R. Abu-Zahra, T. **Abu-Romman, S.** Qrunfleh, I. and Hasan, M. K. 2013. Vegetative bioremediation of extremely salt-affected calcareous soils. *Journal of Food, Agriculture & Environment*. 11(2): 1277–1281.
28. **Abu-Romman, S.** Suwwan, M. and Al-Zu'bi, E. 2012. Physiological effects of salinity on cucumber microshoots grown on proliferation medium. *Advances in Environmental Biology*. 6(11): 2829–2834
29. **Abu-Romman, S.** Suwwan, M. Al-Shadiadeh, A. and Hasan, H. 2012. Effects of osmotic stress on cucumber (*Cucumis sativus* L.) microshoots cultured on proliferation medium. *World Applied Sciences Journal*. 20(2): 177–181.
30. **Abu-Romman, S.** and Suwwan, M. 2012. Effect of phosphorus on osmotic-stress responses of cucumber microshoots. *Advances in Environmental Biology*. 6(5): 1626–1632.
31. Al-Ajlouni, Z. Ajlouni, M. Shatnawi, M. Shibli, R. Makhdmeh, I. **Abu-Romman, S.** and Al-Ghazawi, A. 2012. Callus induction, plant regeneration, and growth on barley (*Hordeum vulgare* L.). *South Western Journal of Horticulture, Biology and Environment*. 3(1): 25–39
32. **Abu-Romman, S.** 2012. Molecular cloning and expression of 12-oxophytodienoic acid reductase gene from barley. *Australian Journal of Crop Science*. 6(4): 649–655.
33. Ateyyat, M. Al-Antary, T. Al Mazrawi, M. and **Abu-Romman, S.** 2012. Efficacy of different extracts of *Rhamnus dispermus* Ehrenb. (Rhamnales: Rhamnaceae) as aphicides against *Eriosoma lanigerum* (Hausmann) (Homoptera: Aphididae) and its parasitoid, *Aphelinus mali* (Hald.) (Hymenoptera: Aphelinidae). *IOBC/wprs Bulletin*. 74: 39–45.
34. **Abu-Romman, S.** Shatnawi, M. Hasan, M. Qrunfleh, I. Omar, S. and Salem, N. 2012. cDNA cloning and expression analysis of a putative alternative oxidase *HsAOX1* from wild barley (*Hordeum spontaneum*). *Genes & Genomics*. 34(1): 59–66.
35. Ateyyat, M. **Abu-Romman, S.** Abu-Darwish, M. and Ghabeish, I. 2012. Impact of flavonoids against woolly apple aphid, *Eriosoma lanigerum* (Hausmann) and its sole parasitoid, *Aphelinus mali* (Hald.). *Journal of Agricultural Science*. 4(2): 227–236.
36. **Abu-Romman, S.** and Suwwan, M. 2011. *In vitro* responses of cucumber microshoots to osmotic stress. *Australian Journal of Basic and Applied Sciences*. 5(12): 617–623.

37. Ateyyat, M. Al-Antary, T. **Abu-Romman, S.** 2011. Scarlet firethorn, *Pyreantha coccinea* as an alternative host to the woolly apple aphid, *Eriosoma Lanigerum* (Homoptera: Eriosomatidae) and its sole parasitoid *Aphelinus Mali* (Hald.). Australian Journal of Basic and Applied Sciences. 5(12): 1821–1823.
38. **Abu-Romman, S.** 2011. Allelopathic potential of *Achillea biebersteinii* Afan. (Asteraceae). World Applied Sciences Journal. 15(7): 947–952.
39. Al-Taleb, M. Hassawi, D. and **Abu-Romman, S.** 2011. Production of virus free potato plants using meristem culture from cultivars grown under Jordanian environment. American-Eurasian Journal of Agricultural and Environmental Sciences. 11(4): 467–472.
40. **Abu-Romman, S.** Ammari, T. Irshaid, L. Salameh, N. Hasan, M. and Hasan, H. 2011. Cloning and expression patterns of the *HvP5CS* gene from barley (*Hordeum vulgare*). Journal of Food, Agriculture and Environment. 9(3&4): 279–284.
41. Omar, S. S. Dababneh, B. F. Qatatsheh, A. **Abu-Romman, S.** Azmi D. Hawari, A. D. and Aladaileh, S. 2011. The incidence of *Listeria* species and other indicator bacteria in some traditional foods sold in Karak city, Jordan. Journal of Food, Agriculture and Environment. 9(2): 79–81.
42. **Abu-Romman, S.** and Shatnawi, M. 2011. Isolation and expression analysis of chloroplastic copper/zinc superoxide dismutase gene in barley. South African Journal of Botany. 77: 328–334.
43. **Abu-Romman, S.** 2011. Comparison of methods for isolating high quality DNA from sage (*Salvia officinalis*). Journal of Medicinal Plants Research. 5(6): 938–941.
44. Shatnawi, M. Shibli, R. **Abu-Romman, S.** Al-Mazra'awi, M. Al-Ajlouni, Z. Shatnawi, W. and Odeh, W. 2011. Clonal propagation and cryogenic storage of the medicinal plant *Stevia rebaudiana*. Spanish Journal of Agricultural Research. 9(1): 213–220.
45. **Abu-Romman, S.** 2010. Responses of cucumber callus to sorbitol-induced osmotic stress. Journal of Genetic Engineering and Biotechnology. 8(2): 45–50.
46. Al-Abbadi, A. Hassawi, D. **Abu-Romman, S.** Abu-Mallouh, S. 2010. Detection of chronic and acute bee paralysis viruses from Jordanian honeybee apiaries by reverse transcriptase PCR. Journal of Food, Agriculture and Environment. 8(3&4): 1016–1019.
47. Shatnawi, M. Al-Fauri, A. Megdadi, H. Al-Shatnawi, M. K. Shibli, R. **Abu-Romman, S.** and Al-Ghzawi, A. 2010. *In vitro* multiplication of *Chrysanthemum*

- morifolium* Ramat and its responses to NaCl induced salinity. Jordan Journal of Biological Sciences. 3(3): 101–110.
- 48. Abu-Romman, S.** Shatnawi, M. and Shibli, R. 2010. Allelopathic effects of spurge (*Euphorbia hierosolymitana*) on wheat (*Triticum durum*). American-Eurasian Journal of Agricultural and Environmental Sciences. 7(3): 298–302.
- 49. Abu-Romman, S.** and Suwwan, M. 2009. Salt-stress induced responses in cucumber callus. Dirasat Agricultural Sciences. 36: 100–108.
- 50. Abu-Romman, S.** and Suwwan, M. 2008. Influence of salinity on growth and physiology of cucumber microshoots grown on rooting medium. Dirasat Agricultural Sciences. 35: 73–80.