

Curriculum Vitae

Mohammad A. Alrababah



PERSONAL

- **Date and place of birth:** Jordan, 1972
- **Nationality:** Jordanian
- **Marital status:** Married

PRESENT ADDRESS

Dep. of Natural Resources & the Environment
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EDUCATION

- 1999-2003 Ph.D. in Forestry, Texas A&M University, College Station, Texas, USA
1993-1996 M.Sc. in Plant Production, University of Jordan, Amman, Jordan
1989-1993 B.Sc. in Plant Production, University of Jordan, Amman, Jordan

TEACHING AND PROFESSIONAL EXPERIENCE

2008-now Jordan University of Science and Technology

- Associate Professor of Forestry and Natural Resources Ecology

2003-2008 Jordan University of Science and Technology (JUST)

- Assistant Professor of Forestry and Natural Resources Ecology

1996-1999 Abu-Habil Agricultural Establishment/ Jordan Valley

- Manager

TEACHING EXPERIENCE

GRADUATE LEVEL

- NR 734 Ecological Conservation
- PP 714 Plant Genetic Resources

UNDERGRADUATE LEVEL

- NR 200 Natural Resources & Man
- NR 220 Forest Science
- NR 210 Introduction to Natural Resources Management
- NR 363 GIS & Remote Sensing
- NR 362 Forest Mensuration
- NR 461 Forest Management
- NR 491 Seminar

SUPERVISOR /COSUPERVISOR FOR MASTER THESIS GRADUATE STUDENTS

- Hana I. Athameha. Improving dryland revegetation success using volcanic Tuff. **January, 2014**. Department of Natural Resources and Environment, JUST, Irbid, Jordan
- Nizar S. Obeidat. Integrated management of Al-Yarmouk Nature Reserve. **May 2013**, Department of Natural Resources and Environment, JUST, Irbid, Jordan
- Ahmad H. Albdoor. Integrated honeybee management in Jordan. **May, 2013**. Department of Natural Resources and Environment, JUST, Irbid, Jordan
- Samah A. Jaradat. Community based management of natural resources in dry areas in northeastern Jordan. **Jan. 2013**. Department of Natural Resources and Environment, JUST, Irbid, Jordan
- Ishraf A. Talafhah. Deforestation in Ajloun governorate: problems and solution. **Jan. 2013**. Department of Natural Resources and Environment, JUST, Irbid, Jordan
- Hamza Alzoubi. Estimation of Atriplex shrubs biomass using allometry and digital image technology. **May, 2011**. Dept. of Plant production, JUST, Irbid, Jordan
- Ahmad Bani Atta. Evaluation of the use of wastewater for Sorghum forage production under greenhouse condition. **May, 2010**. Dept of Plant Production, JUST, Irbid, Jordan
- Moayyad Bani Hani. Survival and growth of certain native forest species grown under treated wastewater regime. **May, 2007**. Dept of Plant Production, JUST, Irbid, Jordan
- Ahmad Al-Horani. Genetic Diversity of *Pinus halepensis* Mill. (Pinnaceae) in Jordan. **January, 2007**. Dept of Plant Production, JUST, Irbid, Jordan

GRADUATE EXAMINATION ACTIVITIES

- **2013** M.Sc. Thesis Examiner; Dept. of Physics/The Hashemite University
- **2012** M.Sc. Thesis Examiner; Dept of Natural Resources & Environment/JUST
- **2008** M.Sc. Thesis Examiner; Dept. of Plant Production/JUST

- **2007** M.Sc. Thesis Examiner; Dept. of Natural Resources & Environment/JUST
- **2007** PhD. Thesis Examiner; Dept. of Plant Production/ University of Jordan

TECHNICAL EXPERTISE

- Natural resources Surveying, Sampling, and Measurements
- Natural resources management using linear programming techniques
- GIS and remote sensing software (ARC GIS, ERDAS, ENVI, GS+) for lands use/cover classification & analysis, ecosystem function & structure, developing ecological indicators for monitoring rangeland condition
- Biodiversity assessment, conservation and management
- Univariate & multivariate analysis (SAS, JMP, SPSS packages).
- Spatial pattern analysis (geostatistics: variogram, kriging & cokriging methods), & patch analysis
- Statistical ecology and biodiversity (including alpha & beta diversity analysis, species abundance relationships, species interaction, ordination & classification methods)
- Population Genetics and Phylogenetic analysis (Genepop, Popgene, Phylip, NTSYS, Bottleneck)
- Developing ecological indicators for monitoring natural vegetation conditions (Forestry and Rangeland)

RESEARCH ACTIVITIES AND INTERESTS

My research interests focus on the ecology of forests and natural resources in dry areas using modern technologies such as GIS and RS and molecular genetics. This wide scope of research interest is translated in the following concentrations

- Dry land forestry covering all levels from genetic diversity to community diversity and mensuration to stand level management and reforestation techniques reaching landscape ecology.
- Natural vegetation ecology: biodiversity; productivity- disturbance- diversity relationships; fire impact on community structure, species interactions
- Using GIS & remote sensing to monitor natural vegetation (forest and rangeland); Land use/cover classification & change; landscape pattern; landscape metrics and domain of scale
- Community-based management of dryland natural resources and nature reserves
- The use of integrated natural resources management to solve forestry problems (such as deforestation) by focusing on increasing the non-wood forest revenue through beekeeping, and solving reforestation problems by investigating the use of wastewater and other new technologies to improve reforestation and rehabilitation and revegetation of arid and semiarid lands
- Investigating the use of various agricultural byproducts and non-traditional feed resources (Carob pods and leaves) as a subsidiary feed resources for grazing animals to alleviate pressure on rangeland & minimize adverse impact of these byproducts on the environment.

HONOR, SCHOLARSHIPS AND AWARDS

- 2011** The Ideal Professor Honor, Student Survey, Department of Natural Resources & Environment, JUST, Jordan.
- 2010** **The Hisham Hijjawi Award for Applied Science in the Field of: Agriculture, Water and Environment for the year 2010**, The Scientific Foundation of Hisham Adeeb Hijjawi, Amman, Jordan.
- 2009** **Sawsana Award for Agricultural Excellence for the year 2009**, The Technical Consultancy Center, Amman, Jordan
- 2008** Arab Administrative Development Organization (ADDO) prize for "**Environmental Management**", third prize, (2008), League of Arab States, Cairo, Egypt
- 2007** Arab Organization for Agricultural Development (AOAD) prize for Scientific Innovation in Agriculture "**Developing Natural Resources, Protecting Biodiversity & Environment & Combating Desertification**", second prize, (2006) League of Arab States, Khartoum, Sudan
- 2002-2003** ICSC world laboratory scholarship, ICSC World laboratory/Switzerland
- 2002-2003** Teaching Assistantship- Department of Forest Science, Texas A&M University, College Station, Texas, USA.
- 2002** Outstanding PhD Student Award at the Department of Forest Science, Texas A&M University, College Station, Texas, USA
- 2001** Doctoral Scholarship, Temple Inland, Texas, USA
- 1999-2002** Doctoral Assistantship, Department of Forest Science, Texas A&M University, College Station, Texas, USA
- 1999-2003** **JUST** (Jordan University of Science and Technology) scholarship to pursue Ph.D. education at TAMU, Texas, USA
- 1994-1996** **IPGRI** Graduate Scholarship to pursue M. Sc. degree at UoJ, Amman/Jordan
- 1989-2003** **Royal scholarship-Jordan Military Forces** to pursue B. Sc degree at UoJ, Amman/Jordan

CONSULTANCIES AND TECHNICAL REPORTS

- Write a report on "Vegetation Inventory of Rum Nature Reserve and study the foraging behavior of Arabian Oryx and training the Staff in RNR. July (2012). Sheikh Mohammad Bin Zayed Al Nahyan reintroducing Arabian oryx, Wady Rum Project. Aqaba Special Economic Zone Authority, Aqaba, Jordan
- Evaluate the primary productivity and foraging behavior of Arabian Oryx for sustainable management Rum Nature Reserve. Sheikh Mohammad Bin Zayed Al Nahyan reintroducing Arabian oryx, Wady Rum Project. Aqaba Special Economic Zone Authority, Aqaba, Jordan, 2010
- National Consultant for FAO funded project under the title "Support to Forest Policy and Strategy for Sector Development" (TCP/JOR/3101) (2006-2008)

- Coordinator of Phase II for USAID funded project (JEWEL) to establish a Master program in Integrated Natural Resources Management (2008)
- Consultant for the Badia Restoration Program as part of the Scientific Team to Develop Action Plan for the implementation of the program (2011-2012)

TRAINED PROFESSIONAL COURSES, WORKSHOPS

- Develop and teaching training course on **Natural Resources Management & Environment for Local Planners in Iraq, UNDP- JUST, Irbid-Jordan, 19-23July 2009**. Taught materials include formal lectures on natural resources, human impact on natural resources, ecological footprint, living planet index, ecosystem management, Natural resources based planning and review climate change convention and Kyoto protocol. Following the formal lectures, group discussions were organized and trainers were exposed to various exercises on the engagement of stakeholders in planning for natural resources with local community.
- Teaching GIS training courses at the consultative Center for Science & Technology, JUST (2005 & 2006).
- Conifer Microsatellite Workshop June 4–7, 2001. Department of Forest Science, Texas A&M University.
- Invited speaker at the WGFTIP Contact Representative’s Meeting May7th – 8th 2002 at Lake Charles Louisiana. Loblolly Pine dynamics
- Invited speaker at the Pine and Prairies Forum June 8th 2002 at Bastrop Texas. Lost Pine dynamics
- Invited Speaker TEDxIrbid event 24-3-2012

PROJECTS AND GRANTS

- 2013** 11th cycle of National Program “Faculty for Factory”. Principle investigator, Ministry of Planning & European Union Grant.
- 2011** Integrated Honeybee management in Jordan. Master Thesis Project. Principle investigator, USAID, local currency grant to Jordan/ JEWEL, JUST Grant no. 207/2011
- 2011** Community Based Management of Natural Resources in Dry Areas in Northeastern Jordan. Master Thesis Project. Co-investigator. USAID, local currency grant to Jordan/ JEWEL, JUST grant no. 264/2011.
- 2010** Deforestation in Ajloun Governorate: Problems and Solution. Master Thesis Project. Principle investigator, USAID, local currency grant to Jordan/ JEWEL, JUST Grant no. 15/2010.

- 2009** Estimation of Atriplex shrubs biomass using Allometry and digital image technology. Master Thesis Project. Principle investigator, Deanship of Research /JUST Research Grant no. 83/2009.
- 2008** Evaluation of the use of wastewater for sorghum forage production under greenhouse conditions. Principle investigator. Deanship of Research /JUST Research Grant no. 131/2008
- 2008** Cadmium and lead uptake in tomato, alfalfa, and carrots grown in contaminated soil. Co-investigator. Deanship of Research /JUST Research Grant no. 175/2008
- 2008** Ecocharacterization of carob (*Ceratonia siliqua* L.). Principle investigator. Deanship of Research /JUST Research Grant no.109/2008
- 2007** Response of semi-arid Mediterranean grassland to prescribed burning and fertilization. Co-investigator. Deanship of Research /JUST Research Grant no. 214/2007
- 2007** 5th cycle of National Program: Faculty for Factory. Principle investigator. Ministry of Planning & European Union Grant.
- 2006** 4th cycle of National Program: Faculty for Factory. Principle investigator. Ministry of Planning & European Union Grant.
- 2005** Allelopathy in the Mediterranean Forest Ecosystem. Deanship of Research/ JUST research grant no. 89/2005
- 2005** Survival and growth of certain native forest species grown under treated wastewater regime. Principle investigator, Deanship of Research/ JUST research grant no. 80/2005
- 2004** Genetic diversity of *Pinus halepensis* M. in Jordan. Principle investigator, Master Thesis Project, Deanship of Research/ JUST research grant no. 179/2004
- 2004** Exploring the use of remote sensing to classify and estimate forest parameters in Jordan, Principle investigator, Deanship of Research/ JUST research grant no.2/2004

COMMUNITY SERVICE

- 2014-present** Head of the Jordanian Beekeeping Association (2014 –now)
- 2007-present** Reviewer for “Jordan Journal of Agricultural Sciences” (2007-now)

PROFESSIONAL LOCAL SOCIETY MEMBERSHIP

- 2009-present** Founder and Head of the “Society for GIS and Spatial Technologies in Jordan” Amman, Jordan
- 1992-present** Member of the “Agricultural Engineer Association, Jordan” Amman, Jordan

PROFESSIONAL INTERNATIONAL SOCIETY MEMBERSHIP

2005-present Society of American Forester, USA

NATIONAL COMMITTEE MEMBERSHIP

2014-present National Committee for Plant Genetic Resources for Food and Agriculture, MOA

2013-present National Agriculture Atlas Project, Royal Geographic Center

2012-present National Forest Survey Project, The Tree Society

2012-present National Committee to Collect, Conserve and Protect Local Genetic Resources, MOA

2011-present Desertification Control Research Group, Ministry of Environment, Jordan, MOE

2011-present National Forest Genetic Resources Report Committee (GFR), Department of Forestry

2011-2012 National Strategy for Agriculture Development (2013-2017), MOA

ACADEMIC COMMITTEE MEMBERSHIP

UNIVERSITY LEVEL

2007-2009 Member of the team for developing "Sustainability Lab" for Jordan Education for Water and Environmental Leadership (JEWEL) project, JUST, University of Michigan, USAID.

2009-2010 Representative of the Faculty of Agriculture to the University Committee

FACULTY LEVEL

2012-2013 Student Affairs Committee

2012-2013 Tenders Committee

2012-2013 Curriculum Development Committee

2010-2012 Represent the NRE Depart. at Faculty of Agriculture Council, JUST

2008-2011 Cultural & Scientific Workshops & Seminars Committee

2006-2013 Sports Committee

2007-2009 Social Committee (chair)

2007-2008 Landscaping Curriculum Development Committee

2006-2007 Represent the NRE Depart. at Faculty of Agriculture Council, JUST

2005-2006 8th Scientific Day Committee

2005-2006 Sport Committee (Chair)

2005-2006 Library Committee

2003-2004 Tenders Committee

2002-2004 Cultural & Scientific Workshops & Seminars Committee

DEPARTMENT LEVEL

- 2011-2012** Graduate Studies Committee
- 2011-2012** Library Committee
- 2008-2009** Committee on preparing and supervising admission test for Integrated Natural Resources Management Program
- 2007-2009** Graduate Studies Committee
- 2007-2008** Summer Training Program Development for Range and Forestry
- 2007-2008** Curriculum Development for M.Sc. in Integrated Natural Resources Management
- 2006-2007** Committee on Reviewing Current Status of Bachelor Program in Range & Forestry
- 2006-2007** Courses Equivalency Committee
- 2005-2006** Department Strategic Plan Committee (2005-2010), Chair.
- 2004-2005** Curriculum Development for Master Program in Range and Forestry
- 2003-2005** Graduate Studies Committee
- 2003-2004** Curriculum Development for Range and Forestry Specialization
- 2003-2014** Prince Hamza Natural Reserve Management & Development Committee.

PROFESSIONAL MEETING

- Set the foundation criteria for identifying the natural and introduced plant species in Jordan to establish the "Red List" for plant species in Jordan. 12July, 2010, Royal Botanical Garden. Amman, Jordan
- Community-based optimization of the management of scarce water resources in agriculture in West Asia and North Africa project (2003). ICARDA, NCARE, Baqqa, Jordan

ATTENDING PROFESSIONAL TRAINING WORKSHOPS

- Workshop on "Modern University Instructional Methods". 2008, JUST, Irbid, Jordan
- Workshop on "Education Technology: Measurement and Evaluation", 2003, JUST, Irbid, Jordan

LANGUAGES

- Arabic: (native language)
- English: Fluent (spoken, reading/writing)

COMPUTER SKILLS

- Excellent command of major Microsoft windows based program (WinWord, Excels, power point, email, etc...)
- Excellent command of statistical analysis software (SAS, JMP, SPSSW)
- Excellent command of GIS and Remote sensing software(ArcGIS, ERDAS)
- Excellent command of several biodiversity analysis software (Estimate, Poptools, Ecosimulation)
- Excellent command on several population genetics software (Genepop, PopGene, Arelquin, Phylip, NTSYS, Bottleneck)

REFEREEING ACTIVITIES

International Journal of Remote Sensing

Plant Ecology

Journal of Arid Environment

New Forests

Act Oecologica

Silvae Genetica

TREES

WORKSHOPS, SEMINARS AND CONFERENCES

- International Conference on Mediterranean countries and EU opportunities in research, development and innovation. 22-23 Oct. 2012, MIRA, EU-Jordan Net project. Amman, Jordan.
- The 7th Scientific Agricultural Conference. JUST. 8-10 Oct. 2012. Irbid, Jordan.
- Forth meeting for outreach team on climate change and biodiversity in Jordan. Royal Society for Conservation of Nature. 21 Nov, 2011, Amman, Jordan.
- Findings of BRP baseline study and development of the strategic community action plan (CAP) document for Badia. Ministry of Environment. Badia Restoration Program, 23 Sept 2010, Amman, Jordan.
- Preparation of Plant Red list in Jordan: Identification of local plant species and the classification of its natural habitats. Royal Botanical Garden, 12 July 2010, Amman, Jordan.
- Forest inventory training workshop in Jordan. Alshajra Society RSCN, US-Forest Services, 13-17 June 2010, Amman Jordan.
- Workshop on reviewing a report on: Financing for sustainable forest management in Jordan, United Nations Forum on Forests (UNFF) and MoA, 26 May 2010 Amman, Jordan.
- Kick-off workshop on Middle East water livelihoods initiative. ICARDA, USDA, 4-5Feb 2010, Amman, Jordan.
- Workshop on: Disi water conveyance project. Ministry of Water and Irrigation, 27 Dec 2009, JUST, Irbid, Jordan.
- Workshop on: reviewing the forth national report on the convention of biodiversity, 27 Nov (2008), Ministry of Environment, Amman, Jordan.
- Workshop on: sanitation and water resources protection, JUST, UINSCO and the National Committee of the International Hydrology Program (IHP), (13Aug 2008), JUST, Irbid, Jordan.
- The third conference on scientific research in Jordan (2007), Amman, Jordan.
- Faculty of Agriculture eighth scientific day (2006), JUST, Irbid, Jordan.

- Conference on: geographical information system users in Jordan. (2005), Irbid, Jordan.

PUBLICATIONS

THESIS/DISSERTATION

1. **Alrababah MA** (1996) Intra- and Inter-population genetic diversity of wild Emmer Wheat (*Triticum dicoccoides* L.) from Jordan. Master Thesis, Department of Plant Production, University of Jordan, Amman Jordan. M. Sc. Thesis. Prof M. Duwayri (Supervisor) and Prof. A. Jaradat (Co-advisor), University of Jordan, Amman, Jordan.
2. **Alrababah MA** (2003) Evolutionary Dynamics of *Pinus taeda* L. in the Late Quaternary: An Interdisciplinary Approach. PhD Dissertation, Department of Forest Science, Texas A&M University, College Station, Texas, USA. Ph.D. Dissertation. C.G. Williams (Supervisor) and R. Srinivasan (Co-advisor), Texas A& M University, College Station, Texas, USA.

REFEREED JOURNALS

1. **Alrababah MA** et al (2011) Genetic Diversity of the easternmost fragmented Mediterranean *Pinus halepensis* Mill. populations, *Plant Ecology*, 212(5):843-851
2. **Alrababah MA**, Alhamad MN, Bataineh AL, Bataineh MM, Swaileh AF (2011) Estimating east Mediterranean forest parameters using Landsat ETM, *International Journal of Remote Sensing*, 32(6): 1561-1574
3. **Alrababah MA**, Suliman A, Alqudah A (2011) Evaluating Jojoba seedlings growth and physiological response to treated wastewater regime. *Jordan Journal of Agricultural Sciences*, 7: 624-632
4. **Alrababah MA**, Tadros M, Samarah N, Ghosheh H (2009) Allelopathic effects of *Pinus halepensis* and *Quercus coccifera* on the germination of Mediterranean crop seeds, *New Forests*, 38: 261-272
5. **Alrababah MA**, Bani-Hani MG, Alhamad MN, Bataineh MM (2008) Boosting seedling survival and growth under semi-arid Mediterranean conditions: selecting appropriate species under rainfed and wastewater irrigation, *Journal of Arid Environment*, 72(9): 1606–1612
6. **Alrababah MA**, Alhamad MN, Suwaileh A, Algharaibeh M (2007) Biodiversity of semi-arid Mediterranean grasslands: impact of grazing and afforestation, *Applied Vegetation Science*, 10: 257-264.

7. **Alrababah MA**, Alhamad MN, Bataineh MM, Suwaileh AF, Al-Horani AS (2007) Arboreal diversity and aboveground biomass in a semi-arid Mediterranean forest ecosystem: Case of Kufur-khal natural reserve, *Jordan Journal of Agricultural Sciences*, 3(4): 363-375.
8. **Alrababah MA**, Alhamad MN (2006) Landuse/cover classification of semi-arid Mediterranean landscape using Landsat ETM, *International Journal of Remote Sensing*, 27: 2703-2718.
9. **Alrababah MA**, Williams CG (2004) An ancient bottleneck in the Lost Pines of central Texas, *Molecular Ecology* 13, 1075-1084.
10. **Alrababah MA**, Williams CG (2002) Population dynamics of *Pinus taeda* L. based on nuclear microsatellites, *Forest Ecology and Management* 163, 293-271.
11. **Alrababah MA**, Duwayri MA, Jaradat AA, Kafawin M (2001) Phenotypic diversity, breeding potential and sampling strategies of wild emmer wheat (*Triticum dicoccoides* L.) from Jordan, *Dirasat* 28 (2&3), 138 - 145.
12. Rababah TM, Al-Omoush M, Brewer S, Alhamad M, Yang W, **Alrababah MA**, Al-Ghzawi A, Al- u'datt M, Ereifej K, Alsheyab F, Esoh R, Almajwal A (2014) Total Phenol, Antioxidant Activity, Flavonoids, Anthocyanins and Color of Honey as Affected by Floral Origin Found in the Arid and Semiarid Mediterranean Areas. *Journal of Food Processing and Preservation*. 38 (3):1119-1128
13. Rababah TM, Ereifej K, Esoh RB, Al-u'datt M, **Alrababah MA**, Yang W (2011) Antioxidant activities, total phenolics and HPLC analyses of the phenolic compounds of extracts from common Mediterranean plants. *Natural Products Research*, 25(6): 596-605
14. Alhamad MN, **Alrababah MA** (2013) The impacts of biologically-induced microhabitats on biodiversity in dry Mediterranean grassland. *Plant Ecology & Diversity*. 6(2): 279-288.
15. Alhamad M. N., **Alrababah MA**, Gharaibeh M (2012) Impact of Burning and Fertilization on Dry Mediterranean Grassland Productivity and Diversity. *Acta Oecologica*, 40: 19-26.
16. Obeidat BS, **Alrababah MA**, Alhamad MN, Gharaibeh MA, Abu Ishmais MA (2012) Effects of feeding carob pods (*Ceratonia siliqua* L.) on nursing performance of Awassi ewes and their lambs. *Small Ruminant Research*, 105: 9-15
17. Alu'datt MH, Rababah T, Ereifej K, Alli I, **Alrababah MA**, Almajwal A, Masadeh N, Alhamad MN (2012) Effects of barley flour and barley protein isolate on chemical,

- functional, nutritional and biological properties of pita bread. *Food Hydrocolloids*, 26: 135-143
18. Alhamad MN, **Alrababah MA**, Feagin, RA, Gharaibeh A (2011) Mediterranean drylands: the effect of grain size and domain of scale on landscape metrics. *Ecological Indicator*, 11: 611-621
 19. Obeidat BS, **Alrababah MA**, Abdullah AY, Alhamad MN, Gharaibeh MA, Rababah TM, Abu Ishmais MA (2011) Growth performance and carcass characteristics of Awassi lambs fed diets containing carob pods (*Ceratonia siliqua* L.). *Small Ruminant Research*, 96: 149-154
 20. Alhamad MN, Oswald B, Bataineh M, **Alrababah MA**, Mohammad Al-Gharaibeh (2010) Relationships between herbaceous diversity and biomass in two habitats in arid Mediterranean rangeland, *Journal of Arid Environment*, 74: 277-283.
 21. Shakhathreh Y, Haddad N, **Alrababah MA**, Grando S. Ceccarelli S (2010) Phenotypic diversity in wild barley (*Hordeum vulgare* L. ssp. *spontaneum* (C. Koch) Thell.) accessions collected in Jordan, *Genetic Resources and Crop Evolution*, 57: 131-146
 22. Alhamad MN, **Alrababah MA** (2008) Defoliation and competition effects in a productivity gradient for a semiarid Mediterranean annual grassland community, *Basic and Applied Ecology*, 9(3): 224–232.
 23. Alhamad MN, **Alrababah MA**, Bataineh MM, Al-Horani AS (2008) Environmental gradients and community attributes underlying biodiversity patterns of semi-arid Mediterranean grasslands, *Plant Ecology*, 196(2): 289-299
 24. Rababah TM, Ereifej KI, Al-Mahasneh MA, Alhamad MN, **Alrababah MA**, Al-u'datt MH (2008) Physiochemical characteristics of Acorns for two Mediterranean *Quercus* species, *Jordan Journal of Agricultural Sciences*, 4: 131-137.
 25. Ereifej KI, Rababah TM, **Alrababah MA** (2005) Quality attributes of Halva by utilization of proteins, non-hydrogenated palm oil, emulsifiers, gum Arabic, sucrose, and calcium chloride, *International Journal of Food Properties* 8, 415-422.
 26. Gwaze DB, Zhou Y, Reyes-Valdés MH, **Alrababah MA**, Williams CG (2003) Haplotype QTL Mapping in an outbred pedigree, *Genetical Research* 81, 43-50.

POCEEDINGS, CONFERENCES, BOASTERS AND REPORTS.

1. Alhamad, MN, **Alrababah MA** (2014) Mediterranean dryland Mosaic: The effect of scale on core area metrics. *Geophysical Research Abstracts*:Vol. 16, EGU2014-1270-1, 2014. EGU General Assembly 2014, Vienna, Austria.
2. Alhamad, MN, **Alrababah MA** (2012) Spatial Analysis of Dryland Mediterranean Landscapes in North Jordan. *The 7th Scientific Agricultural Conference*. 8-10 Oct. 2012. Irbid, Jordan.
3. **Alrababah MA**, Alhamad MN, Gharaibeh M, Obeidat B (2012) Ecogeographic Characterization and Seed Germination of Carob Accessions in Jordan. *The 7th Scientific Agricultural Conference*. 8-10 Oct. 2012. Irbid, Jordan.
4. Alhamad MN, Obeidat BS, **Alrababah MA** (2010) Carob (*Ceratonia siliqua* L) as non-conventional feed resources for feeding Awassi lambs in Jordan. In; *5th International Food Legumes Research Conference (Ifirc V) and 7th European Conference on Grain Legumes (AEP VII) "Legumes for Global Health; Legume Crops and Products for Food, Feed and Environmental Benefits"*. 26-30 April 2010–Antalya, Turkey.
5. **Alrababah MA**, Alhamad MN (2009) Remote sensing for Integrated Natural Resources Management. *First international conference on integrated natural resources management in Jordan*. 10 Nov, 2009. Jordan University of Science and Technology, USAID, University of Michigan and Jordan River Foundation. Irbid, Jordan.
6. Gharaibeh MA, Eltaif NI, **Alrababah MA**, Alhamad MN (2009) Experimental evaluation of four infiltration models for calcareous soil irrigated with treated, untreated grey water and fresh water. In: *European Geosciences Union*, 19-24 April, 2009, Vienna, Austria. Published in: *Geophysical Research Abstracts*, Vol. 11, EGU General Assembly 2009-5024.
7. Alhamad MN, **Alrababah MA** (2008) Land use/cover classification of Mediterranean landscapes in north Jordan using Landsat ETM. In: *Seventh Arab Conference "Expansion Of Urban Areas And Developmental Projects And Its Effect On Ecological Footprint Of Arab Cities*, 22-24 Dec 2008, Arab Administrative Development Organization (ADDO), Cairo, Egypt.