**AWNI YAQUB TAIMEH**

**Short 2012**

Address Department of Land, Water and Environmental

 **Faculty of Agriculture**

 **University of Jordan**

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**Social Status:** Married with four children, born in 1948.

**EDUCATION:**

**Ph.D.:** 1979, Oklahoma State University, USA.

 **Major: Soil Morphology and Classification**.

 **Minor: Statistics**.

**Dissertation:** "Variation of Soil Properties within the Soil Mapping Unit: Statistical Study"

**M.Sc.:** 1977, Oklahoma State University, USA.

 **Major: Soil Genesis and Classification**.

**Dissertation:** "Morphology and Genesis of Some Weakly Developed Soil in Western Oklahoma".

**B.Sc.:** 1971, Ain Shams University, Cairo, Egypt.

 **Major: Soil**.

**EMPLOYMENT RECORD:**

**1**-**1971-1975** Ministry of Agriculture. Soil Survey and Land Classification

**2**-**1975-1979: Teaching** Assistant Oklahoma State University, USA.

**3-1980-1995: Faculty** of Agriculture, Land, Water and Environment University of Jordan.

**4- 1994-1995** Chairman of Soil and Irrigation Dept.

**5- 1995-1999** Director General, National Center for Agricultural Research and Technology Transfer**.**

**6**-**1995:** Member of Council, Agricultural Research Center, Jordan University for Science and Technology.

**7**-**1995:** Member of Steering Committee, the Badia of Jordan Development Program, the Higher Counsel for Science and Technology

**8-2000**  Member of National Committee on Convention to Combat Desertification, UOJ representative

**9- 1999:** Professor, Agricultural Natural Resources and Environmental Dept, Faculty of Agriculture, University of Jordan.

**10**- **2002-2004**: Undersecretary, Ministry of Agriculture

**11**- **2004:** Professor, Sabbatical leave**.**

**12:-2005:** Professor, Agricultural Natural Resources and EnvironmentalDept, Faculty of Agriculture University of Jordan**.**

**13- 2007** Jordan Alliance Against Huger and Food security,

 Member of Higher Board in charge for projects

**RANK: Professor, Since 1991**

**DUTIES: Teaching, Research, and consultancy.**

**Honorary: Medal:** Food and Agricultural Organization Honorary Medal for Scientific Achievements, 2003**.**

**TEACHING:**

**S**oils of Jordan. **S**oil **C**onservation and **M**anagement. **S**oil **S**urvey and **L**and **U**se.Soil **G**enesis and **C**lassification. **A**dvanced **S**oil **C**lassification. **C**lay **M**ineralogy.Soil, **W**ater, and **P**lant **A**nalyses. **R**esources **P**lanning and **D**evelopment. **S**oil **E**nvironment

**AREA EXPERIENCE:**

Land use evaluation, Land Use, Integrated Development of Arid and Semi-Arid Lands, Management and Sustainable Development of Land Resources, Desertification, Soil Classification, Land Use Planing, Land Resources Development, Soil Conservation and Management. Resource Evaluation, Environmental analyses and Assessments.

**RESEARCH INTEREST:**

Land use, Land use planning, Land degradation**, D**esertification, **I**ntegrated **D**evelopment of **A**rid and **S**emi-**A**rid **L**and. **S**oil Formation and **C**lassification,Land **R**esources Development, **S**oil **D**egradation, **S**oil **C**limate, **S**oil **C**onservation and **M**anagement,

**Major National Activities:**

1- Member of the Higher Committee for the Jordanian Alliance to Alleviate Hunger in Jordan. The Alliance is headed by HRH Prince Basma Bent Talal.

2- Member of Committee responsible for the formulation of the National Strategy for Agricultural Development in Jordan, 2002.

3- Resource Mobilization for National Action Program Implementation, 2006, Team leader

(Analytical and comparative study among the various sectors and national strategies relevant to the Combat Desertification Submitted to the Ministry of Planning and International Cooperation

# 4- Strategy for Badiah Development – Jordan. 2005. Main Author. Discusses the technical approach to Badiah development

5- A Review of the Current Nutritional Trends and Major Strategic Directions of the National Food and Nutrition Policy in Jordan, 2005 Team leader.

6- National Strategy for Agricultural Development in Jordan, 2001-2002

The strategy was prepared upon the request of the Cabinet Member of the strategy drafting committee

Responsibility: Drafting of several chapters of the final strategy.

7-Work plan for Agricultural Development Strategy, Jordan. 2002-2003

Headed a national team comprising several sub-committees to prepare an action plan fro the national strategy for Agricultural development in Jordan. 130 project documents covering all strategy sub-sectors were prepared, including investment plans. Total number of specialist who participated in the preparation was 170. The ten years plan of the Agricultural sector is based on the prepared action plan.

**8- Strategy of poverty alleviation in Jordan 2002-2004**

Member of national committee responsible for the implementation of the strategy.

Chairman of the technical committee responsible for finalizing the action plan monitoring and evaluation of the implementation of the as well as coordinating the national activities among the various participating public and non-governmental institutions.

**9- A Review of the Current Nutritional Trends and Major Strategic Directions of the National Food and Nutrition Policy in Jordan**, 2005 Team leader Ministry of Health, WHO.

**10- Land Resources in Jordan. Policies Towards Better Uses, Preservation and Development,** 250 pages. (Author): Agricultural Policies in Jordan- Sponsored by FAO.

**11 - National Soil Map and Land Use Project for Jordan:**

Evaluation of the first level of the National Soil Survey Project, Hunting Technical Service Limited, U.K., 1990. Requested by Ministry of Agriculture.)

Technical evaluation of the first stage, 1990. EU - Finance -(6, 000,000 ECU).

**12- Strategy for Environnemental Protection. 1990:**

Strategies for protection and preservation of environment in Jordan,

**Client**: Government of Jordan, (***Chairman of land resources committee***). 1990

**13 - Land Use Policies in Jordan.** (**Team membe*r)*. 1990**

Prepared for Higher Council for Science and Technology in Jordan. Land use policy in Jordan with emphases on technology dimension.

**14- Water Use Policies in Jordan.** (**Team Member*)*. 1990:**

Prepared for Higher Council for Science and Technology in Jordan

Protection and policies for water use in Jordan in relation with other resources

**15 Study of the 1990-1991 Crop Failure in Jordan Valley, (Team Member):**

A multidisciplinary investigation of the crop failure in Jordan Valley

The study was requested by the Government of Jordan, Ministry of Water and Irrigation. Responsible for investigating long-term degradation, resources and management, influence long term irrigation, land use allocation and sustainability of agricultural practices in the Jordan Valley.

**16 -- The National Agricultural Research Strategy (Principal Editor) 1996:**

The National Agricultural Research Strategy for the various sub-sectors to be implemented by the National Center for Agricultural Research and Transfer of Technology (NCARTT).

**17- Integrated Development of Jordan Valley: 1995-1998, Member of Steering Committee** A multilateral Committee on the integrated development of Jordan Rift Valley.

Represented Ministry of Agriculture in the committee. The Committee developed an Integrated Master plan for the development of the Jordan Rift Valley

**18- Multilateral Group on Environment:** 1996-1998 Member of Jordanian Delegation. International Group on Environment Formulated by the UN to Promote Peace in the Middle East

**19- Social and Economical 1998-2001 Developmental Plan in Jordan .1997:**

Member of Agriculture, and Water Committees:. A national committee formulated by the Government of Jordan to formulate the 1998-2001 Social and Economic Plan

**20- Food security in rural areas in Jordan, 2009,**

The main objective of the survey is to assess the impact of food price increase on households in the poverty packets, identified by the Ministry of Planning and International Cooperation. In addition, the survey presents food security status of these packets based on the household data. The study is carried in collaboration between Jordan Alliance against hunger and World food program, and JUHUD.

**21- Soil and Water Committee.** A committee established by the Prime Minister to provide advises to Minister of Water and Irrigation on issues facing water and land inJordan. Several reports were presented. Member of the committee since 1999-2003

**22**- **Integrated Agriculture** Development Plan, 2009. Three years Agricultural Development plan, Ministry of Agriculture, Jordan. Member of Drafting Committee

**23- Grater Amman Municipality Integrated Master Plan:** Table, 2008, Mayor of Amman Round Great Amman., Integrated master plan for Greater Amman, Committee member

**24- Country Biodiversity Study, 1998:**

Review and upgrade country biodiversity base study with emphases on Genetic Resources, Forestry, and Biotechnology. Sponsored by UNDP

**25- Utilization of Waste Water in Jordan- A policy Paper, Author, 1998:**

**Responsibility:** Study the use and possible impact of current and future utilization of waste water in Jordan on agricultural sector in Jordan, and the formulation of a policy to be adopted by Ministry of Agriculture concerning the use of this water resource in Jordan. **Client**: Request by A special committee formulated by Minister of Agriculture.

**26- National Strategy for the Rehabilitation of Range land in Jordan, 1999,** **Team Member:**

A national committee charged with the formulation of a proper strategy to be adopted for the rehabilitation of range land in Jordan, **Client:** Ministry of Agriculture.

**27-Improvement of Agricultural Productivity in Arid and Semi-Arid Zones of Jordan:**

**Responsibility: Project Manager,** 1990-1995

The **objectives** of the project are to contribute to the sustainable development of the Badia lands of Jordan (100-200 mm rainfall) by providing basis for the optimal use of regions land and water resources. The project is co-financed by the European Union and the University of Jordan (2.7 Million EC units). The project includes several components such as natural resources data base and GIS for the impact zone, catchment hydrology, environmental monitoring, desertification risk assessment, land use planning, water harvesting, supplementary irrigation, improvement of soil production, increasing range land productivity, increasing crop and forage production, integrated livestock production, socioeconomic assessment, and technology transfer. Research activities are conducted with agricultural stations and on farmer fields.

Over **30 leading scientists** of different disciplines from the **University of Jordan, Cranfield Univ. UK**, and The International Center for Agricultural Research in the Dry Areas **(ICARDA**), and the National Center for Agricultural Research and Technology Transfer **(NCARTT**) of Jordan participate in the research activities.

**Responsibility:** included overall management of the various activities, preparation of work plans and reports, establishing linkage with NGOs interested in the development in this area, supervising training locally and in Europe.

**28- Agricultural Production in the Semi-Arid to Arid Zones and Areas Suffering From Desertification in Jordan:**

**Responsibility: Technical Director, 1985- 1990**

- The project aims to develop arid to semi-arid regions in Jordan through integrated approach.

- Financed by the European Economic Community.

**Project components:** Development of surface water using catchment and on-farm water harvesting, Earth dams construction, Irrigation management, Soil management. Range improvement, Improvement of soil productivity, Plant adaptability, Erosion control. The project will deal with social dimension at the second phase. The second phase is extended until 1998. Financed by the EU (3,000,000 ECU). 18 faculty members participated in the project activities.

**29- Green Belt for Combating Desertification in Jordan. 1988:**

Sponsored by Ministry of Planning. 33 pages, (**Author**).

Technical proposal for integrated agricultural development to combat soil degradation with emphases on desertification in Jordan. Special attention was given to local resources, social structure and future resources development in Jordan.

**30: Special Program for Food Security in Jordan, 2010, UNDP Team leader, Preparation of Special program for Jordan. , UNDP**

**31 CGIAR Mega Program on Mega** Program on Durable solutions for water scarcity and land degradation - (MP 5) External reviewer, CIGAR, 2010

32- Agricultural Resources Management Program Phase II (AMRDP-II), Jordan, 2010, Evaluation of Country Strategic Opportunities Programme of IFAD in Jordan, Team member.

**33- Food Security Program,** 2012.Team member for preparation of Academic graduate Programme in Food Security, Faculty of Agriculture, University of Jordan

**MAJOR STUDIES:**

**- Resource Mobilization for National Action Program Implementation, 2006, Team leader**

(Analytical and comparative study among the various sectors and national strategies relevant to the Combat Desertification Submitted to the Ministry of Planning and International Cooperation

- **Strategy for Badiah Development**: 2005. Main author. Discusses the technical approach to Badiah development, Jordan

**- A Review of the Current Nutritional Trends and Major Strategic Directions of the National Food and Nutrition Policy** in Jordan, 2005 Team leader.

- **National Strategy for Agricultural Development in Jordan, 2001-2002**

The strategy was prepared upon the request of the cabinet Member of the strategy drafting committee

**Responsibility**: Drafting of several chapters of the final strategy.

- Work plan for Agricultural Development Strategy, Jordan. 2002-2003

Headed a national team comprising several sub-committees to prepare an action plan fro the national strategy for Agricultural development in Jordan. 130 project documents covering all strategy sub-sectors were prepared, including investment plans. Total number of specialist who participated in the preparation was 170. The ten years plan of the Agricultural sector is based on the prepared action plan.

-Evaluation of soil map of Lybia 2004

Member of a team to evaluate the final soil map of Lybia produced by ACSAD upon the request of the Lybian Government

**-Evaluation of Syrian Badia Project 2004**

Member of a team to evaluate the Syrian Baida project, which covers about 350,000 hectares. The project deals with various aspect of Badia development in Syriaز

**- Land and Water Management (Optimal Strategies for water Harvesting in Arid Region. 1994-1998**

**Responsibility:** **Principal investigator**, in charge of investigating optimal land use strategies for arid regions using water-harvesting schemes.

**Objectives:** The overall objective of the project is to develop an integrated model, adapted to arid and semi-arid regions, and capable of devising optimal and sustainable strategies for the planning, design, layout and operation of water harvesting schemes over watershed systems, and for the sustainable use of harvested water to increase crop production through sound land resources management.

**Participants:**

**-** Faculty of Agriculture, University of Jordan

- Department of Civil engineering, Concordia University, Canada.

- Farm Resources Management Program, ICARDA.

- Biodiversity and Natural Resource Management and Conservation for Sustainable Agricultural Production in the Fertile Crescent:

**Responsibility:** **National Coordinator.**

The project aims are to improve the conservation and enhancement of natural resources and agricultural biodiversity in the Fertile Crescent through the development of productive and sustainable resource conservation and management strategies in the selected agro-ecosystems. This will be achieved by bringing together a Consortium of partners in national and international research.

**Project Duration: 1995-2000.**

**Project Budget: 47.2 Million $.**

**- Zarqa River Basin Development Project 1988:**

**Sub-Project One** - Ministry of Agriculture, Jordan (**Team leader)***.*

Technical and economical evaluation. Project budget 37,000,000 Jordanian Dinars,

Evaluation of the Consultancy Service,

The Project aims to improve land productivity through sound land use planing and appropriate measures to manage the land and conserve the soil with emphases on erosion.

**- Management of Marginal Land and Areas Suffering From Desertification in the Arab Countries:** Sponsored by ESCWA

Formulation of a regional project. 1980, An integrated project for the marginal land and combating desertification in the Arab countries.

**- Detailed Soil Survey of Mudawara Area, (Author*).* 1987:**

Detailed soil investigation for the purpose of land development and management, 12,000 dunums.

**- Soils of Muwaqar Area,** 70 pages**, (Author*).* 1989.**

Detailed soil survey investigation, for the purpose of land use planning and identification of active soil degradation.

**- Near East Regional Range Land Development/UNDP. (1986-1990).**

(Algeria, Iraq, Jordan, Morocco, Syria, Tunisia).

Formulation of the project and member of steering committee in Jordan)

The project aims to arrest the processes of degradation and desertification and promote regeneration and development of range land.

**- Jordan - Egyptian on Scientific Co-operation**, (Team **member)**:

Co-operation in the area of soil studies

**- Soil Survey and Fertility Status of Abu Dba'a/ Disi, 1992, (Team Member):**

University of Jordan, Center for Consultation, Technical Services and Studies.

The investigation dealt with resources evaluation the purpose of producing potato Seeds.

Joint Egyptian and Jordanian government venture.

Responsible for the soil investigation, land use suitability and management.

**-Jordan Base line Survey of the Central Jordan Valley and Zarqa Triangle, 1993, Team Leader:**

Multidisciplinary investigation, University of Jordan, Ministry of Agriculture,

Financed by the USAID US

Intended to provide a comprehensive picture of farm management, soil conditions, socio- economic constraints, Irrigation practices in central Jordan Valley

Responsible for soil investigation and farm management

**- Hamad Project 1994.** Consultancy requested by Minister of Agriculture - Feasibility and suitability of developmental plan. Final Evaluation for the National Agricultural Development Project

**- Final Evaluation for the National Agricultural Development Project: Team Member, 1993**

Evaluation was carried upon request by USAID.***)***

A 25.5 Million Dollars project which lead to the establishment of a National Center for Agriculture Research and Technology Transfer (**NCARTT**)

The principle task of the evaluation was to review the project, determine if the project purpose has been achieved, examine relationship between project outputs and inputs, study the relationship between project output and purpose, identify constraints and make recommendations for overcoming institutional, organizational, resources, assess the effects of external and unanticipated actions.

Assess the relevancy of appropriate project design.

Assess the impact of the project.

Analyze and evaluate the impact of the overall project activities.

Analyze and evaluate the impact of project activities on the agricultural sector.

Analyze and evaluate the impact and contribution to the development of research and technology transfer.

**-Institutional Development Support Project for Agricultural Policy Implementation 1994: Team Member)**

**A Study on Environmental Impact Assessment**

Sponsored by GTZ and USAID, Requested by the Ministry of Agriculture (

In this study, the potential environmental impact of the actions associated with the proposed ***AGRICULTURAL POLICY CHARTER*** in Jordan are presented, Environmental issues are identified, prioritized and compared with the charted. The influence of implementing the actions associated with the policy charter on the environment was also evaluated, mitigation are given when required, The capabilities of Jordanian institutions to conduct or participate in Environmental Impact Assessment for programs and projects in agricultural sector are also evaluated.

**- Land Use Policy Workshop, 1994 (Consultant):**

A Workshop for high level decision makers concerned with land policy in Jordan.

Consultant for planning and preparation of topics for discussion related to long term land use policy in Jordan Implementation of the policy and required land use reform. More than 16 Ministries and Organization participated in the workshop.

Sponsored by USAID and the Government of Jordan.

**- Jordan Badia Research and Development Program, in Jordan.**1995-1998**:**

Multidisciplinary Program, concerned with the integrated development of the Arid (Badia) region in Jordan.

Member of Steering Committee Chaired by the Crown Prince

**- Restructuring of Ministry of Agriculture, Jordan, 1997:**

Chairman of special committee to restructuring of Ministry of Agriculture...

**Matrouh Resource Management Project, World Bank, Egypt, 1997-2000:**

Multidisciplinary Project. Concerned with integrated agricultural development based on participation of local communities. Activities include waster harvesting, soil conservation measures, and various methods to control degradation .The project covers and area more than 4000 square Km. Financed by the World. Bank and the Government of Egypt

Assignment included providing training to project staff on issues related to the implementation of the project in the area of resource planning, resource evaluation, soil conservation measures applicable in the project area. Research and further needs to support these activities were also identified.

Resource development on the bases of integrated watershed management

**Client**: ICARDA, Sponsored by the World Bank

**- The Arab Organization for Agricultural Development First Research Award, 1997.**

A Steering Committee for evaluating research from the Arab Countries, Cairo, Egypt, 19-22/1997.

First research award organized and presented by the Arab Organization for Agricultural Development League of Arab State-

**- Workshop on Regional Program for Combating Desertification in Wadi Araba:**

**Chairman of Jordan Delegation, 1997.**

Fifteen regional projects were discussed. Sponsored by INCD- Middle East Sub-regional Joint Study, Supported by the Government of Switzerland, Amman, Jordan, 29/1/1997.

**The Formulation of an Agricultural Marketing and Service Company in the Jordan Valley and Other Irrigable Area. 1997, Team member.**

An integrated study sponsored by the Royal Scientific Society. Study in Jordan. Responsible for Soil and Water investigation

**Forum Euro-Mediterranee des Instituti Economiques- FEMISE Network 1998:**

**Duties: Regional Referee**: Evaluation of joint research proposals presented to FEMISE European and Mediterranean counties.

**Subject:** Med. agriculture in transition: structural change and the impact of the Association Agreements.

**- Assessment of Impact of Water Quality Variation on Crop Production in the Jordan Valley, 1998:**

**Responsibility:** Compilation of a Data Base for Existing Temporal Soil, Water Quality, Plant Analyses, Evaluation of water quality within the Jordan Valley, soil regional distribution, short and long term impact of water quality on soils, interaction between soil, water and plants as a bases for zoning which could be used as a suitable base for formulating a water tariff system for irrigation water ,**Client**: Ministry of Water and Irrigation, Sponsored by the US Agency for International Development.

**- Jordan Agricultural Exports Development Project. 1998, Team member:**

**Responsibility:** Evaluation of soil, agro-ecological conditions prevailing in Jordan for the production of export quality agricultural produces as an agribusiness.

The purpose of the study is to assess the present situation, to study the present development constraints, to formulate strategies, and to put forward a plan designed to overcome these constraints. **Client**: Royal Scientific Society, Jordan.

**- Strategy for Adaptive Research Center, Matrouh Resource Management Project, Egypt, 1999.**

**Duties:** To participate in formulating a research strategy and guidelines for the activities to be undertaken by the adaptive research center as a support of the Matrouh Project.

**Client**: Government of Egypt, ICARDA, Sponsored by the World Bank.

**- Quality Export of Horticulture Produce From Jordan, Development Project,1999.**

**Consultant As a team member of the Royal Scientific Society**

A study submitted to the World Bank, deals with the setting up of a project for the production of export oriented horticulture crops, fruit, and flowers in Jordan.

**- The Impact of Globalization on the NARS in Jordan. 1999**

The study is concerned with the impact of globalization of agricultural R$D as well as to the policy changes in Jordan that were related to trade liberalization, deregulation, and privatization. Sponsored by ISNAR.

**- World Water Vision for Food, Expert Consultation for MENA, 1999.**

A special expert meeting to formulate recommendation for Meddle East and North Africa Regarding the vision for the utilization of water for the period until 2025,**, CIHEAM**, Bari ,Italy,27-29/5/1999

**- International Fund for Agricultural Development ( IFAD).2000.**

 **Strategy for Agricultural Research and Transfer of Technology. Technical Assistant Grants of Near East-North Africa Division.** A workshop of selected experts from the region to formulate the strategy. Rome. Italy, 21-22.3.2000. Experts represent Near East Region.

**- Special Program to Enhance Food Availability for Vulnerable Poor Households in Jordan’s Rural Areas,** UNDP, Amman December, 2009

**PUBLICATIONS**

**1**- **Awni Y. Taimeh.** 1984. Paleoclimatic Changes During the Quaternary in Irbid Region. Dirasat, Vol. XI, No. 7, p131-149.

**2**- **Awni Y. Taimeh.** 1985. Relationship between Air and Soil temperature in the Semi-Arid-Sub-humid Region of Jordan, Dirasat, Vol. XII, No. 4, p 87-104.

**3**- **Awni Y. Taimeh** 1986. Chemical and Mineralogical Properties of Some Salt-Affected Soils in the Southern Jordan Valley. Dirasat, Vol. XIII, No. 2, p 49-75.

**4**- **Awni Y. Taimeh** 1986. Relationships between Air and Soil Temperature in the Arid to Semi-Arid Tropical Region in Jordan. Dirasat, Vol XIII, No. 5, p 83-105.

**5**- **Awni Y. Taimeh**. 1986. Relationships between Air and Soil Temperature in the Arid Region of Jordan. Dirasat. Vol. XIII, No. 5, pp.61-81.

**6**- **Awni Y.Taimeh**.1986. Genesis of Some Salt-Affected Soils in Southern Jordan Valley. Dirasat Vol. XV, No. 11, p 79-103.

**7**- **Awni Y. Taimeh**. 1986. The Use of Regression Analysis in the Prediction of Soil Temperature in Jordan. Dirasat. Vol XIII, No. 8: p13-42, (in Arabic).

8- Othman J.,**A. Taimeh**, M.A.Suwwan. 1987. Salt Distribution and Accumulation as Affected by Drip Irrigation Treatments for Tomato Grown Inside Plastic Houses (Dirasat 1987).

**9**- **Awni Y. Taimeh** and B. Hattar. 1987. Phosphorous Fixation in Some Calcareous Vertisols in Jordan. Dirasat. Vol. XV, No. 10: p7-29

**10**- **Awni Y.Taimeh**.1988. Detailed Soil Survey of Muwaqar area. (Funded by EEC).

**11**- **Awni Y.Taimeh**.1987.Soil Survey and Classification Activities in Jordan. Presented in the Second International Meeting on the management and Classification of Aridisols in San,a, North, Yamen. 5-15/1/1987.

**12**- **Awni Y. Taimeh** and Sae'b Khresat. 1988. Vertisols In Jordan: Properties and Distribution. University of Jordan. 60 pages.

**13**- **Awni Y. Taimeh**. Elias Salameh and Omar Remawi. 1989. Soil and Water Resources in the Jordan Valley. Stage One: Regional Assessment (Accepted in Hydrogeologic and Umwelt, Germany. 135 pages.

**14- Awni Y. Taimeh** 1988. Agricultural Production in the Semi-Arid to Arid Land and Areas Suffering from Desertification. A joint Project Financed by European Economic Community-EU and University of Jordan. Published by the University of Jordan. Several Sections.

**15**- **Awni Y. Taimeh**. 1987. Detailed Soil Survey for Mudawara Area, University of Jordan. 120 pages.

**16**- **Awni Y.Taimeh**. 1989. Soils of Muwaqar. Detailed Soil Survey Project. Joint Project for EEC and University of Jordan. 77 pages.

**17**- **Awni Y.Taimeh**. 1988. Green Belt of Jordan. Requested by Ministry of Planing, Government of Jordan.

**18- Awni Y. Taimeh**. 1990. Land Resources in Jordan. Polices Towards Better Uses, Preservation and Development. Requested by Ministry of Agriculture, Government of Jordan. Sponsored by FAO.

**19**- **Awni Y. Taimeh**. 1985. Vertisols in the South-Western Mediterranean Region. Proceeding of an IBSRAM Inaugural Workshop, 18-22 Feb. 1985, ICRISAT, India.

**20**- **Awni Y. Taimeh**. 1990. Estimation of Soil Temperature for Regions with Hyperthermic Temperature Regime in Jordan. (Dirasat, Vol 7 B, No. 3. p 9-40).

**21**- **Awni Y. Taimeh**. 1992. Estimation of Soil Temperature for Region With Xeric Moisture Regime and Thermic Temperature Regime. Dirasat, Vol.19, No. 1, p 151-186.

**22**- **Awni Y. Taimeh** 1992. Formation of Salic Horizon Without the Influence of Water Table in Arid Region. Soil Science V.154, pp .399.

**23**- **Awni Y. Taimeh**. 1992. Formation of Gypsic Horizon in Some Arid Soil of Jordan. Soil Science V.135, p 486.

**24- Awni Y.Taimeh** Et. Al. 1992. Desertification of Arid Environment UNECSO. In Arabic.

**25- Awni Y.Taimeh**.1992. Classification, distribution and properties of Gypsiferous soils in Jordan International Workshop on Management of Gypsiferous soils ICARDA, Aleppo, Syria.

**26- Awni Y. Taimeh**. 1993. Extent and Mechanism of Desertification in Jordan. A book, Under preparation.

**27-** Waild Saleh, Semaan Sarraf, and **A.Taimeh**,1994. Application of a single event hydrological model to the arid watershed of wadi El-Maghayer in Jordan, Accepted for publication in J. of Int. Water Resources Development. UK

28- Theib Owies, H. Zeidan and **A. Taimeh**. 1994. Modeling approach for optimizing supplemental irrigation Management. In press.

29- Thieb Oweis and **A. Taimeh**. 1996. Evaluation of Small Basin Water Harvesting System in the Arid Region of Jordan. J. of Water Resources Management, 10: 21-34.

**30**- **Awni Y. Taimeh**. 1995 Approaches to the integrated management of Semi-Arid to Arid ecosystem in Jordan. Presented at the Workshop on Dry land Biodiversity Conservation through Natural Resource Management, 5-9 Feb.1995, Amman. Sponsored and organized by: UNEP,ACSAD,ICARDA, IPGRI.

**31- Awni Y.Taimeh**.1995. Desertification in Jordan: Problems and Solutions. The second scientific Week. Organized by the Higher Council for science and Technology, 26-31/8/1995.

**32**- J.,M. Peacock, S. Christian, J Isaac, **A.Taimeh** and J.Valkoun. 1995. Dry lands Biodiversity: A Case Study From the Near East. Paper presented at the International Workshop: Combating Global Warming by Combating Land Degradation, Sponsored by United Nation as Environment Program.

**33- Awni Y. Taimeh**. 1996. Climatic changes and Risk of Desertification In Jordan. The International Conference on the Past, Present and Future of the Middle East Desert. Organized Faculty of Science-UNISCO. Chair for Desert Studies, Yarmouk University, 30 July-1 August 1996.

**34. Awni Y. Taimeh,** Richard Dunam.1997. The Contribution of Research Institutes and Universities to the Agricultural Sector in WANA Countries. Management Development in the Agricultural Sector in Arab Countries, University of Bradford, UK.

1. **Awni Y.Taimeh.1997.** Environmental Threats to the Low-Rainfall Areas and Their Causes.. International Conference on Agricultural Growth, Sustainable Resource Management and Poverty Alleviation in the Low Rainfall Areas of West Asia and North Africa. Sponsored by German Foundation for International Development, Amman,2-6/9/1997.

**36**- Oweis.T, and **Taimeh, Awni** 1997. Farm Water Harvesting Reservoirs: Issues of Planning and Management in the Dry Areas of Jordan. Prepared for University of Jordan, JAZEP Project An EU funded Project.

**37- Awni Y. Taimeh** and Sunaa, Sami.1997. Analytical Review of the National Agricultural Research System (NARS) in West and North Africa. Jordan Profile.

**38- Awni Y. Taimeh** and others 1997. Agricultural Resources Database in Jordan. National Center for Agricultural Research and Transfer of Technology. A Bulletin 16 pages.

**39- Awni Taimeh** 1998. Rainfed Agriculture in Jordan. Review paper. Rainfed Agriculture in the Arab World, Organized by the Academy of Science and Technology, Egypt, and ICARDA,7-9/5/1998, Cairo, Egypt.

**40- Awni Taimeh**.1998 Land Resources in Jordan: Characteristics, Problems and Solution. First National Conference on Agriculture Organized by Agricultural Engineering Association, 16-17//1998

41- **Awni Y. Taimeh**.1998. Agricultural Research System in Jordan: Policies, Potentials and Constraints, Presented at the Seminar on the Requirement, Evaluation and Improvement of Efficiency and Management of Agricultural Research System in the Arab World. Organized by the Arab Organization For Agricultural Development, League of Arab States, 30/11-2/12/1998, Lebanon.

**42- Awni Taimeh**.1999. Impact of Globalization on NARS of Jordan. A study conducted for ISNAR. Netherlands.

**43- Awni.Taimeh**.1999. Interaction Between Climatic and Agro-ecological Conditions and Their Impacts on Degradation (Desertification) Sixth International Conference on the Development of Dry lands, Desert Development:- Challenges Beyond the Year 2000, Organized by the International Commission of Dry Land, and ICARDA, August,22-27,1999, Cairo, Egypt

**44- Awni Taimeh,** Sustainable development within low rainfall areas, Workshop Organized by IFAD, Rome, Italy 21-22/3/200

**45- Owies, T.Y and Awni. Taimeh**.2001. Small Water Harvesting Reservoirs:- Proceedings of the UNC-CAS International Workshop held in Beging, China,2001.

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1- Desertification and climatic change in Jordan, Final draft.

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**MASTER AND DOCTORAL THESIS SUPERVISED:**

1- Mohammed R.A.Jamous.1984. Genesis and Classification of Some Selected Soils of Irbid Region **(*Major Adviser*).**

2- Mohammed.A.Mudabber.1986. Effect of Drip, Furrow, and Sprinkler Irrigation Methods on Tomato Yield, and Soil Salinity in the Jordan Valley **(*Co- Adviser*).**

3- Mohammed.A.M.Hmoud.1986. Evaluation of physiographic Units in Baqa' Area **(*Co-Adviser*).**

4- Sa'eb A.Khresat.1986. Properties and Formation of Vertisols in Jordan as Affected by Parent Material and Precipitation**. (*Major Adviser*).**

5- Bahjat Dadoush Hareiz.1988. Potential Utilization of Water and Land in Jordan**. (*Co-Advisor***)

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7- Khalid Irani. 1992. Properties and Formation of Some Aridisols in Jordan **(*Major Adviser***).

8- Mahmoud Thaher.1988. Hill slope Models and Their Effects on the Variations of Soil Properties in Semi-Arid Land (***Major Adviser***).

9- Luna Hadidi 1992. Assessment of Desertification Risk in Jordan Using Climatic Parameters (***Major Adviser***).

10- Firas Ziadat. 1992. Erodability of Arid to Semi-Arid region soils . **(*Major Advisor***).

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4. Firas M.Ziadat. 1997. Land Use Planning in The Arid Zone of Jordan .PhD Thesis, (Co-Advisor, Cranfield University, UK)

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1. Wail Al-Rashdan. 1997. Potential Utilization of Land for Barley and Range in Arid and Semi-Arid Region in Jordan. (Co-Advisor).
2. Tharwat Masalhah, 2006. Sustainable Land Use Planning of Land Resources in the Middle Jordan Valley, PHD Thesis Major Advisor.
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19- Wail AL Rashdan, 2008: Planning for Sustainable Land Use For Northern Jordan Valley.

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20-Yaser Mehawish, 2010. Assessment of Land Degradation within Wadi Ziglab Catchment., PhD Thesis, Major Advisor..

**ON-GOING RESEARCH"**

**Assessment of desertification risk and hazard using climatic parameters.**

- **Long term** climatic records is being compiled**- Records** for more than 100 meteorological and rainfall stations are included.**- Special** computer files are compiled.**- Final** data analyses will be undertaken using GIS.

**OTHER ACTIVITIES**

**1. " Soil Conservation".** 1990. (***Co-author)***.

Textbook requested by Jerusalem Open University, Amman.

**2. " Resources Use in Jordan Valley: Environmental Impact" (*Team Member*).** 1991

Committee formulated by the Government of Jordan to assess the environmental impact of current resource management in the Valley.

The assessment covered: water, land, climate, and land resources management

**3. " Technical reports for UOJ-EEC Project"**. (***Author)****.*

UOJ-EEC research project: Agricultural Production in the Semi-Arid and Areas Suffering From Desertification at Muwaqar).

Preparation of the technical reports for the projects for several years.

**4. " Center for Arid Land Studies, Proposal, 21 Pages. (*Author)*.**

Presented during the regional meeting on the development of Badiah in Jordan, arranged by Ministry of Planning.

Aims to develop land and water resources in Jordan after identifying natural and anthropogenic pressures on the available resources with emphases on improving water use efficiencies by introducing modern water harvesting technology, and improvement of land resources with special attention to socio-economical structure prevailing in the area.

**5. "Treated Sewage Effluent Re-Use in Irrigation for Greater Irbid"**.

Land evaluation specialist (Technical and Economical Feasibility Study), (***Co-author)****.*

**6. "Vegetable Production Using Drip Irrigation in Southern Iraq".**

Land evaluation specialist (Technical Feasibility). - (***Team member)*.**

**7. "Alfalfa Production in North-East Jordan Project", (*Team Membe*r).**

Jordan Livestock Development Company (Soil Investigation).

**8. "Fruit Production in Jordan Valley and Shoubak Areas".**

Land suitability studies at several locations. -Technical Study

**9. "The Establishment of Palm Orchard at Quwera", (*Team Member*).**

Soil Investigation, (Technical Study). -Aqaba Region Authority.

**10- Water harvesting in Jordan: 1994**

Potential and Prospect. Bulletin prepared for INCART, Ministry of Agriculture

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#### SPECIAL EXPERIENCE

- Long experience in statistical analyses

- Multivariate Analyses, Principle Component, Factor Analyses, Cluster Analyses,

- Discriminant Analyses.

- Excellent working experience with well known packages such as SAS and SPSS on PC and main frame computers.

- Over 26 years of field experience in soil studies and resource evaluation.