

Tel & Fax: (962-6) 5355000/22523 Mobile: (962) 79-7307721
E-mail: a.battikhi@ju.edu.jo
Address : Dept. Land water & Environment
Fac. Of Agriculture
Amman . Jordan

Anwar M. Battikhi

Nationality : Jordanian
Date of birth : 10/10/1946
Place of birth : Amman – Jordan

Academic Degrees:

University	Location	Years of Study	Degree and Field
American	Beirut, Lebanon	1963-67	B.Sc. Soils & Irrigation
American	Beirut, Lebanon	1967-69	M.Sc. Soils (Major), Irrigation (Minor)
Iowa State	Iowa, USA	1974-77	Ph.D. Soil Physics

M.Sc. Thesis Title Chemical Properties of Colloids of some Soils of Calcareous
Origin Formed under Different Climatic Conditions in Lebanon.

Ph.D. Dissertation Casing Depths, Leaks and Solute Travel Times to Wells.

Languages:

Language	Speaking	Reading	Writing
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
French	Good	Very Good	Good

Previous Positions and Duties:

2010/2012 Board of Trustees, Chairman , Technical Tafela University , Jordan
2010/present Professor of Soil Physics, University of Jordan
1999/present President of the Jordan Society for Scientific Research.
2009/2010 Director General of Science Triangle for Research, Training and Management
Company,
2008/2009 Secretary General of The Higher Council for Science & Technology.

- Representing the Higher Council for Science and Technology and the Kingdom before Arab, regional and international institutions and bodies concerned with science and technology,
- Under taking scientific and technological cooperation and concluding MOU and agreements related to scientific and technological research in collaboration with local, Arab, regional and international organizations, and following up on their implementation and evaluation.
- Attracting funds for the support of scientific and technological researches as well as R&D.
- Setting, developing and planning strategies and policies suitable for the development of science & technology in Jordan.
- Patronize conferences, workshops, meetings related to science and technology.
- Enhance partnership between S&T community and stakeholders.
Planning, Conducting and participating in choosing themes and participants for the Jordanian Science Week, the Scientific Open Day and the El Hassan bin

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Talal Award for Academic Excellence.

- Looking into any other matters the Council chooses to consider.

- 2006/2008 **Professor of Soil Physics, Jordan University of Science and Technology.**
- 2004 /2006 **Visiting Professor ,University of Florida**
 - On Sabbatical leave from Jordan University of Science and Technology.
- 2003/2004 **Professor of Soil Physics ,Jordan University of Science and Technology**
 - Moved permanently from the University of Jordan to Jordan University of Science and Technology
- 2002/2003 **Professor of Soil Physics, Jordan University of Science & Technology, Irbid, Jordan**
 - On Sabbatical leave from the University of Jordan
- 1998/2002 **President, The Hashemite University, Zarqa, Jordan.**
 - Attached to the CV is a progress report about what was achieved during my job as President at Hashemite University
- 1997/1998 **Vice President, Jordan University for Science and Technology, Irbid, Jordan.**
 - In charge of the Schools of Medicine, Dentistry, Sciences, Agriculture and Veterinary Medicine
 - In charge of Administration that included personnel management, finance, procurement, general services, tender committee, and library
 - In charge of “Center for Consultations “and “Center for Water and Environment”.
 - In charge of the King Abdullah Hospital equipment and all other services (800 beds, the largest Hospital in Jordan)
- 1994 / 1997 **Dean of Faculty of Graduate Studies, Dean of Academic Research. University of Jordan.**
 - Supervise all research activities carried on by the university faculty members
 - Finance the projects proposed within the university or from out side sources
 - Editor in chief of the major journals issued by the University (7 journals)
 - Supervise and finance all translation activities carried on by university members.
 - Evaluate all research results including those carried out by professors during their Sabbatical leaves.
 - Supervise the expenditure on research (incentives, equipment, staffing, etc.). Determine research priorities for Jordan
 - Follow up all activities carried out by faculty members and by post graduate students including admission, curricula, plan supervision, thesis project proposal, thesis forms, and graduation requirements
 - During my time as Dean we started the PhD programs at the University of Jordan (21 programs).
- 1991/1994 **Director, Center for Consultation, Technical Services and Studies, University of Jordan**
 - In charge of all the University staff and faculty activities with outside the university
 - Act as liaison between faculty members and the different sectors from outside the University in carrying on studies, providing consultations and/or technical services.
 - Organize all continuing education courses offered by university faculty members to the different sectors in Jordan and outside.
 - Increase the number of courses to about 500 per year to serve about 10000 trainees. (Ten times more the original capacity).

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1989/1991

Head, Dept. of Soils & Irrigation, University of Jordan.

- Run the Department activities, supervise the Professors and their duties, attend all meetings on behalf of Department, carry on research with faculty members, look for funds, follow up department students activities, take care of exams, equipment, purchases, represent the department in outside activities, Study Professors' applications for promotions and appointment

1989/1997

Professor of Soil Physics, University of Jordan.

- Teach, carry on research, service of community, and attend conferences. Write bulletins
- Supervise graduate students and carry on research on soil moisture storage and depletion from rainfall using different practices like tillage and residue management, and on irrigation requirements, methods and schedules.

1987/1989

Associate Professor of Soil Physics, University of Jordan.

- Teach, carry on research, service of community, and attend conferences. Write bulletins
- Supervise graduate students and carry on research on soil moisture storage and depletion from rainfall using different practices like tillage and residue management, and on irrigation water requirements, methods, and schedules.

1986/1987

Assist. Dean, College of Agriculture University of Jordan.

- Help Dean of Agriculture in most activities related to students registration, counseling, grading, courses offered, courses organization and all teaching activities at the Faculty of Agriculture

1984/1986

Associate Professor of Soil Physics, University of Jordan.

- Teach, carry on research, service of community
- Work on Irrigation scheduling modeling and supervising graduate student

1984 /1985

Sabbatical Leave to Dept. of Agriculture & Irrigation Engineering College of Engineering Utah State University, Logan, Utah, USA.

- Spent one year on sabbatical leave at the Department of Agricultural and Irrigation Engineering at Utah State University
- Calibrated Irrigation scheduling models (CRPSM) using data on vegetables collected in Jordan,
- Published 5 papers from research activities at Utah and in Jordan
- Attended courses of irrigation engineering

1982 /1984

Head of Department of Soils & Irrigation, University of Jordan.

- Run the Department activities
- supervise the Professors and their duties
- attend all meetings on behalf of Department
- carry on research with faculty members
- Look for funds
- Follow up Department students activities, take care of exams, equipment, purchases
- Represent the Department in outside activities.
- Study Professor's applications for appointment and promotions

1977 /1982

Assistant Professor at the Department of Soils & Irrigation, University of Jordan.

- Offer courses in soils and irrigation to undergraduate students in BSc programs, Plant Science, and Soil Science
- Carry on with research related to soil physics and Irrigation
- Establish the soil physics lab, taking part in committees on curricula programs, equipment, seminars

1973/1974

Lecturer, University of Jordan.

- Offer lectures in soils and irrigation to undergraduate students in BSc programs

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in plant, soil, and irrigation sciences

- 1972/1973 **Director, Wadi Dhuleil Irrigation Project, Jordan.**
- Direct the maintenance and operation at the 2nd largest irrigation project in Jordan. Water source in this project is groundwater. The operation includes main canal, reservoirs groundwater wells and other irrigation structures
 - In charge of all operations from engineering to finance and procurement
- 1972 **Director, East Ghor Canal Project, Jordan. (Now known as King Abdullah Canal Project)**
- Direct the maintenance and operation at the largest irrigation project in Jordan. It extends all over the Jordan Valley covering an area of approximately 12,000 hectares. Run by about 650 employees, the operation includes main canal, dams and other irrigation structures
 - In charge of all operations from engineering to finance to procurement
- 1969/1972 **Assistant Director, Wadi Dhuleil Irrigation Project, Jordan.**
- Assist in management of the water distribution system and personnel at the second largest irrigation project in Jordan (Wadi Dhuleil)
 - Manage the operation and maintenance of the irrigation structures which includes: reservoirs, canals, electric pumps, generator, observation wells
 - In charge of personnel management which includes engineers, clerks, water distribution officers, finance personnel
- 1967/1969 **Graduate/Research Assistant, American University of Beirut.**
- Assist in Instructing soil courses, focused on offering the laboratory and field parts of the courses

Teaching Experience:

- Co-advisor or Committee Member for about 30 Graduate Students, Univ. of Jordan
- Major Prof. of 25 M.Sc. Graduate Students, Univ. of Jordan.
- Special Topics in Soils & Irrigation, Univ. of Jordan.
- Soils & Irrigation Seminars, Univ. of Jordan.
- Fundamentals of Soil Science, Univ. of Jordan.
- Principles of Irrigation & Drainage, Univ. of Jordan , & Jordan Univ. of Sci. and Technology
- Drainage, Univ. of Jordan.
- Soil Water Plant Relationships, Univ. of Jordan.
- Advanced Soil Physics, Univ. of Jordan, & Jordan Univ. of Sci. and Technology
- Soil Physics, Univ. of Jordan, & Jordan Univ. of Sci. and Technology
- Soil Physics Lab. Iowa State University.

Supervisor: Prof Anwar Battikhi:

Date	Student Name	Thesis Title
1980	Nader Hawatmeh,	Wetting fronts under a trickle source on two soils of the Jordan Valley
1982	Ahmad Abu-Awad	Crop production function determinations and nitrate movement as influenced by irrigation amounts and urea fertilization rates on sweet corn in the Jordan Valley
1983	Mohammad Hasan Saimah	Soil Moisture studies under rainfall Areas in Jordan

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1986	Asad Safadi	The effects of irrigation at different soil moisture tensions & frequency of nitrogen application, on growth and yield of tomato grown under plastic houses in the Jordan Valley .
1987	Said Zureiqi	Yield response of plastic-house tomatoes to soil moisture tension in the Jordan Valley
1989	Moh'd Karouf	Soil moisture conservation As influenced by different Tillage practices & Fertilizers' rates under fallow wheat system – in Mushaggar region of Jordan
1991	Mohammad AlTurshan	Tillage practices, frequency of nitrogen fertilizer application & crop rotation as they affect soil moisture storage & yields.
1992	Abeer Moh'd	Effect of sewage sludge on some soil properties & barley yield in Muwaqar Area.
1993	Ahmad Abou Hamad	Effect of different crop rotations, tillage-residue management on soil moisture storage, soil physical properties & yields in rainfed areas.
1994	Ibrahim Deek	Effect of irrigation & N-fertilization (fertigation) scheduling on tomato crop in the Jordan Valley.
1994	Ayman Suleiman	Moisture content & some physical properties of vertisols under deferent tillage & crop residue management practices.
1995	Marwan Suefan	Effect of tillage, crop residue management particles & soil moisture content on physical properties of vertisols under two course rotation.
1996	Jawad Al-Bakri	The effect of soil moisture content & management practices on some, physical properties of vertisols under three course rotation.
1997	Moh'd Al-Salahat	Effect of drip irrigation scheduling& nitrogen fertilization (Fertigation) on tomato crop in the Jordan Valley.
1998	Mahmoud Al-Ali	Some –soil physical properties & soil moisture content relationships, under ,different soil surface management practices, using diamond shape water harvesting technique in Jordan.

Co-supervisor : Prof. Anwar Battikhi

Date	Student Name	<u>Thesis Title</u>
1992	Moh'd Al Qassem	Occurrence & distribution of the phytonematode tylenchulus seminenetrans in citrus groves in Jordan.
1996	Ali Ankeer	Influence of the management of nitrogen fertilizers & moisture depletion on wheat production in a rainfed area of Jordan.
1998	Moh'd Omar	Determination of water quantities for cucumber and their influence on nitrogen fertilizer use efficiency under plastic house in the Jordan Valley
1998	Amjad Abou Sarhan	Some parameters influencing tractors fuel consumption to perform

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primary tillage operation.

1999 Mahmoud Abou Awad Determination of irrigation water levels & their effect on nitrogen fertilizer use efficiency for tomato.

Committee Member : Prof. Anwar Battikhi

Date	Student Name	<u>Thesis Title</u>
1980	Wael Adel El-Sharif	Water requirement and scheduling irrigation for sweet corn under sprinkler irrigation in the Jordan Valley.
1982	Bilal Humeid	Effect of planting date and seeding rate on growth and development of two lentil cultivars.
1982	Shabib Haddadin	Effect of plastic mulches on soil water conservation, soil temperature, and yield of tomato in the Jordan Valley.
1983	Fawzi Karajeh	Evapo transpiration, yield, and growth of sorghum under different water levels and irrigation cutbacks.
1985	Jalal Kasem	Water utilization by tomato under drip in the Jordan Valley.
1986	Mohammad Abou Hamoud	Evaluation of physiographic units in Baqa'a Area.
1986	Moh'd Mudabber	Effect of drip , furrow, and sprinkler irrigation methods on tomato yield, and soil salinity, in the Jordan Valley.
1988	Ali El-Tarshawi	Wheat response to different levels of soil matric potential.
1988	Hanna Zeidan	Optimal scheduling of supplemental irrigation for wheat in Irbid Region.
1988	Labib Madanat	Evaluation of a water harvesting system efficiency in Al – Muwaqqar Area.
1988	Nabeel Muhsen	Effect of sewage sludge on corn yield, water consumption, and soil physical properties.
1989	Akef Qusous	Crop rotations and cultural practices effects on moisture conservation, harvesting and yield of wheat, lentil and chickpea in the rainfed areas of Jordan.
1989	Munir Hussein	Evaluation of four mechanized harvest techniques for lentil and chickpea.
1990	Ahmad Al-Kay'ali	Growth of " Nabali" Olive and "Spring Crest" Peach Trees As Influenced By Film Forming Antitranspirants and Polymers in Al-Muwaqqar Area
1990	Ismat Karadsha	Wetting patterns under drip irrigation in some Arid Lands.
1991	Moh'd Jitan	Subsurface irrigation performance in the soils of arid regions of Jordan.
1992	Kaled Irani	Formation & properties of some selected Aridisols in Jordan.

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1993	Naeem Mazahreh	Determination of actual water consumption & crop coefficient of mature banana in central Jordan Valley.
1993	Ali –Shrouf	Effective rainfall as affected by wheat plant economy.
1995	Firas Ziyadat	Effect of management practices on soil losses in arid and semi-arid areas in Jordan.
1995	Anwar Qahwaji	Production function determination of row intercropping between broad bean & potato under different water amounts under central Jordan Valley conditions.
1996	Ahmad Al-Matari	Establishment and growth of three medicinal plant species at Al-Muwarraq.
1996	Moh'd Khalaf	Effect of nitrogen fertilizer on wheat productions under different crop rotations, tillage practices & crop residue management.
1997	Shareef Obeid	Assessment of wind erosion under different soil surface conditions in arid & semi-arid areas in Jordan.
1997	Moh'd Al Kana	Infiltration & soil water storage as affected by irrigation methods in Al-Muwarraq Region.
1998	Kefah Yousef	Evaluation of different water harvesting techniques at two different sites of Jordan.
1999	Khaled Abu Shweineh	Environmental impact assessment of central Jordan Valley soils irrigated with King Talal Reservoir water.
1999	Nabel Kazaz	Long-term effect of Khirbet El-Samra treated irrigation water on soil & olive quality .
1999	Rania Nimer	The use of volcanic tuff as soil conditioner in Arid Regions.
2001	Naim Mazahreh Ph.D	Evapotranspiration measurement and modelling for Bermuda grass, alfalfa, cucumber, and tomato grown under protected cultivation in the Central Jordan Valley.

Areas of Interest

Soil Moisture Conservation and Management; Crop Water Requirements; Irrigation Scheduling; Soil Management and Conservation; Crop Modeling; Soil Water Measurement; Soil Physical Properties; Irrigated Crops; and Water Harvesting.

Councils and Committees and other Duties:

Participated in more than 125 Boards, Councils and Committees, of which are the following:

- Chairman of the Scientific committee at the of Abdul Hamid Shouman Foundation (2011- present)
- Jordan Science & Technology Agricultural committee, Chairman (2010-present)
- Editor in Chief of " Scientific Research Journal", Jordan Society of Scientific Research (2009- present)
- Member of the Board of Trustees of Al-Balqa Applied University (2009-2010)
- The Higher Council for Science & Technology, Secretary General (2008-2009)

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- The Higher Council for Science & Technology, Board Member (2008-2009)
- The Board of the National Virtual Center for Biotechnology, Chairman (2008-2009)
- The Board of the Jordan Badia Research and Development Center, Chairman (2008-2009)
- The Board of The National Center for Human Resources Development, Member (2008-2009)
- The Board of Trustees of the Regional Human Security Center, Member (2008-2009)
- The Board of The National Center for Diabetes Endocrine and Inherited Disease, Member (2008-2009)
- The Industrial Scientific Research & Development Fund, Vice Chairman (2008-2009)
- The Supervisory Board for the National Fund for Enterprise Support (NAFES), Chairman (2008-2009)
- The National Information Technology Center, Vice Chairman (2008-2009)
- The Board of the Higher Committee for Scientific Research, Vice Chairman (2008-2009)
- The Board of the Scientific Research Fund, Vice Chairman (2008-2009)
- The National Team of The Board of the Scientific Research Fund, member (2008-2009).
- The Committee for the Astronomy & Space Science, Chairman (2008-2009)
- The Board of Central Unit for Research & Environmental, Member (2008-2009)
- The Board of the National Center for Agricultural Research & Extension, Member. (2008-2009)
- Arab Knowledge & Management Society, Member (2007-2009).
- Jordan Journal of Agricultural Science, member of Editorial Board (2007 -2009).
- Board of Trustees, Royal Scientific Society, Jordan, member (2004-2010).
- Committee member on “Strategy of Higher Education in Jordan “ Ministry of Higher Education and Scientific Research ,Jordan (2004-2006)
- Silver Jubilee of Abdul Hamid Shouman Foundation Conference ,Lecturer (2004)
- International Water Demand Management Conference “ Bridging the Gap “ , Session Moderator (2004)
- First Conference on Jordan Society for Scientific Research, Conference Manager (2003)
- Islamic Collage ,Education Committee Member (2003-2004)
- School Curricula in Jordan , Ministry of Education , Science Courses , Committee Member (2003-2004)
- Water Harvesting Project , ICARDA, Committee Member ,(2003-2004)
- Wastewater Reuse in Agriculture Project on Campus , Committee Member (2003-2004)
- Jordan Society for Scientific Research , President (1999-present)
- Fulbright, Jordanian- American Commission for Educational Exchange, Vice- Chair (2001-2002).
- Human Resources Committee, Member (2001).
- Council of Education and Teaching, Member (2001 – 2004).
- Fulbright, Jordanian- American Commission for Educational Exchange, Member (2000- 2001).
- Higher Education Committee, Economic Council, Chairman (2000- 2001).
- Education Committee, Economic Council, Member (2000-2001).
- Chairman, Executive Committee, Jordan Society for scientific Research, (2000-2002).
- Chairman, Board of Directors, Univ. House for Consultations and Studies Co. (2000-2002).
- National Center for Agricultural Research and Extension, Chief Consultant, (2000-2004).
- Water Committee/ Economic Cons. Council, Member, (2000-2001).
- Information Technology Committee, Member (Economic Cons. Council) (2000-2001).
- Irrigated Agriculture Committee, Chairman (Economic Cons. Council) (2000-2001).
- His Majesty's Economic Consultative Council, Member (2000-2001).
- Abdul- Hamid Shouman Research Fund, Member (1999-2004).
- Water Policy Committee, Ministry of Water and Irrigation, Member (1999-2001).
- Technical Committee/ High Commission for the Agricultural Sector, Chairman (Ministry of Agricultural) (1999-2001).
- Soil and Irrigation Committee, Chairman (Ministry of Water and Irrigation) (1999-2001).
- Academic Committee, Board of Higher Education, Member, (1998-2002).

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- Board of Higher Education in Jordan, Member, (1998-2002).
- Committee on Drought and Orchard Trees in National Center for Agricultural Research and Extension, (1999).
- Advisory Board on Environment Protection in Jordan (Ministry of Tourism) (1999).
- Advisory Committee on Water Strategy for Jordan. (Ministry of Water and Irrigation) (1999).
- Advisory Committee on Soil and Water for Jordan, Chairman (Ministry of Water and Irrigation) (1999).
- Advisory Board to the Minister of Agriculture (1999).
- Abdul Hamid Shouman Research Committee (1999-2004).
- Abdul Hamid Shouman Awards Committee, (1998-2004).
- King Hussein Awards Committee, Amman Greater Municipality, Amman-Jordan (1999).
- Higher Board of Education, Member (1998- 2002).
- Students Transfer Committee, Chairman, The Hashemite University, Zarqa-Jordan (1998-2002).
- Students' Fund, Chairman, the Hashemite University, Zarqa-Jordan (1998-2002).
- Donations' Fund, Chairman, the Hashemite University, Zarqa-Jordan (1998-2002).
- National Center for Agricultural Research and Extension Board, Member, Amman-Jordan (1998-2002)
- University House for Consultations and Studies Company. Board of Directors, Chairman (1999).
- Jordan Society for Scientific Research, Member, Amman-Jordan (1999).
- Investment Fund, Chairman, the Hashemite University, Zarqa-Jordan (1999).
- Appointment and Promotion Committee, Chairman, Board of Deans, the Hashemite University, Zarqa-Jordan (1998-2002).
- Board of Deans, Chairman - The Hashemite University, Zahra-Jordan (1998-2002).
- Employees Appointment Committee, Chairman (1998).
- Central Tenders Committee, Chairman (1998).
- Student's Fund Board, Chairman (1998).
- Environment Center Board, Chairman (1998).
- Agricultural Center Board, Chairman (1998).
- Courses Grading Committee, Chairman (1998).
- Seminars University Committee, Chairman (1998).
- Staff Appealing Board, Chairman (1997-1998).
- Shouman Awards Consultation Committee. Member (1997-present).
- Higher Education World Bank Project, Univ. Representative (1997-1998).
- University Space Committee, Chairman (1997-1998).
- King Abdullah Hospital Equipment Committee, Chairman (1997-1998).
- Staff Promotion Rules Revision Committee, Chairman (1997-1998).
- University Curriculum Committee, Chairman (1997-1998).
- Marine Science Station, Univ. Of Jordan Executive Board Member (1994-1997).
- Jordan Environmental Society, Member (1991-present).
- Irrigation Agriculture Committee Member, National Center for Agricultural Research and Extension (1996-present).
- Jordan Science & Technology Univ. Consult. Center. Board of Directors Member (1996-1997).
- Center for consultation, Technical Services and Studies, Board, Chairman (1995-1997).
- Model School, Univ. of Jordan Board of Directors, Member (1995-1997).
- English School Consulting Committee, Member (1996-2002).
- Accreditation of Private University Committee Acting, Chairman, Ministry of Higher Studies (1994-2000).
- University Curriculum Committee, Member (1994-1997).
- Yarmouk University Research Board, Member (1994-1997).
- University Conferences Committee, Member (1994-1997).
- Graduate College Board Council, Chairman (1994-1997).

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- Student's Appeal Committee, Member (1994-1997).
- University Staff Appeal Committee, Member (1994-1997).
- University Research Council, Chairman (1994-1997).
- "Dirasat" Journal, University of Jordan Chief Editor (1994-1997).
- Deans Council Member (1994-1997).
- National Center for Agricultural Research and Extension -Committee on Organization And structure new Strategy (1993-1994).
- Public Administration Academy Committee Member (1993-1994).
- Department Graduate Studies Committee Member (1992-1994).
- Center for Consultation, Technical Services and Studies, Board of Directors Member (1991-1994).
- Computer Center Board of Directors Member (1991-1994).
- Dirasat (University of Jordan Scientific Journal), Editorial Board (1991-1994).
- Faculty Appointment and Promotion Committee (1991-1994).
- University Journal "Dirasat Editorial Board" (1991-1994).
- Faculty Curriculum Committee (1991-1994).
- Department Curriculum Committee, Chairman (1991-1992).
- Ethics Faculty Committee (1991-1992).
- Jordan Valley Problems Faculty Committee, Chairman (1991-1992).
- Ph.D. Program Faculty Committee, Chairman (1991-1992).
- Promotion and Tenure Ship Faculty Committee (1991-1994).
- Water Center Technical Committee Chairman (1991-1992).
- Faculty Space Committee (1989-1992).
- Faculty Tenure Committee (1989-1994).
- Graduate Faculty Council (1990-1991).
- Graduate Dept. Council (1989-1991).
- Faculty Council (1989-1991).
- Faculty Promotion Committee (1989-1994).
- Faculty Silver Jubilee Committee Member (1986-1987).
- Faculty Curriculum Committee (1986-1987).
- Teaching and Research Load Faculty Committee (1983-1984).
- University Council Member in Committee of "Student Affairs" (1981-1982).
- University Council Member in Committee of "Univ. and Society" (1981-1982).
- Univ. Research Station Committee Member (1977-1978).
- Faculty Committee for Graduate Studies (1982-1984) (1986-1987).
- Advisor to Agric. Students Society (1979-1984) (1986-1987).
- College 10th an University Committee Member (1982-1984).
- Faculty Building & Space Committee Member (1982-1984).
- Dept. Research Committee Head (1979-1982) (1987-1991).
- Dept. Graduate Studies Member (1979-1982) (1987-now).
- Dept. Curriculum Committee Member (1979-1982) (1986-1991).
- Dept. Planning and Appointment Committee Member (1979-1982).
- Faculty Research Committee (1981-1982) (1986-1991).
- University Council Member (1981-1982).
- College of Agric. Council Secretary (1979-80) (1986-1987).
- Soils and Irrigation Dept. Council (1977-now).
- Dept. of Soils & Irrigation Head (1982-84) (1989-1991).
- Assistant Dean (1986-1987).

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Conventions, Seminars, Workshops and Visits:

- Visits to American Universities (Purdue University ,Indiana & University of Central Florida) on behalf of The Higher Council for Science & Technology to sign MOU regarding Scientific Research and professional training, particularly in the areas of Environment, Energy, Renewable Energy, Energy Auditing, Water, Agriculture, and other mutually agreed disciplines.
- Visits to 11 American Institutions & Departments in USA on behalf of the Higher Council for Science & Technology, (National Science Foundation, The National Academies of Science, National Institutions of Health, Environment Protection Agency, Department of state, Department of Measurement & specifications, Department of Energy, Intellectual Property Rights Department, Department of Agriculture, The World Bank, Internet2) 2008.
- UN Commission on Science & Technology for Development Conference Geneva, 2008.
- The Third Conference of Science & Technology in Jordan,2007 (organizer)
- Visits to 9 German Universities (Bonn, Technical University of Berlin, Free University of Berlin, Stuttgart, Tübingen, Freiburg, Leipzig, Erlangen- Nürnberg, Technical University of Munich),and DFG, DAAD, RWTH, Berlin's State Museums, and Deutsches Archäologisches Institut, 2002.
- Visits to 8 Canadian Universities (McGill, Concordia, Queens, McMaster, Toronto, British Columbia, Simon Fraser), 2001.
- Visits to 6 American Universities (Purdue, Texas Arlington, North Texas, Colorado State, Denver, and San Diego State) & Hillwood Company and CH2 M Hill Company, and signing agreements with them, 2000.
- Visit to V. V. Dokuchaev Soil Science Institute. And signing agreement with them. Russia, 1999.
- Visits to some of United Kingdom Universities (Imperial College, Nottingham, Cranfield, Newcastle, Manchester Institute of Science & Technology, Manchester, and Salford) , Higher Education Funding Council & the British Council. 1999.
- Visits to 10 American Universities. (Washington, Nevada, Iowa State, Iowa, Tulane, Cincinnati, Louisiana State, Oklahoma, Nebraska, and New Orleans), and signing agreements with them. June 1999.
- European-Mediterranean Conference on Heritage Conservation. Napoli, Italy. February 1999.
- Coordination meeting between King Abdullah Administrators Hospital and Medical Center Staff, American University of Beirut, Lebanon. June 1998.
- King Abdullah Hospital Sterilizer Units. Visits to European Hospitals (Holland, Spain, France, Sweden, Austria , and Switzerland). March 1998.
- Visit to The Higher Education and Research Centers in France, March 1997.
- Soil Science Society of American Meeting. 1994, Seattle, Washington, USA.
- Use of Nuclear Techniques in Agriculture. IAEA. 1994. Visit to the University of Ghent. Ghent. Belgium.
- College on Soil Physics, 1993, Inter. Center of Theoretical Physics. Trieste. Italy.
- Freshwater Quality and Efficiency in the Arab Region, Meeting, 1993, CEDARE, Cairo, Egypt.
- Coordination Meeting with National Center for Research, 1992, Cairo, Egypt.
- Modern Irrigation Systems in the Arab World, 1991, AOAD, Arab League, Morocco.
- Fertigation/ Chemigation Consultation Meeting, 1991, FAO, Cairo, Egypt.
- Nuclear Energy use in Agriculture, 1991, IAEA, Vienna, Austria.
- Vegetables Production under Irrigation, 1989, Marietta, Italy.
- Water Use Efficiency in Dry Land Farming, 1989, Ankara, Turkey.

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 E-mail: a.battikhi@ju.edu.jo
 Address : Dept. Land water & Environment
 Fac. Of Agriculture
 Amman . Jordan

- First Symposium on Horticultural Production in Jordan and the Neighboring Countries, 1989, UOJ, Amman, Jordan.
- Symposium on Rainfed Field Crops and Farming Systems in Jordan and the Neighboring Countries, Sept. 1988, UOJ, Jordan.
- Muwaqar Project Workshop, 1987, UOJ, Amman, Jordan.
- Irrigation Systems Workshop for Yemenese Engineers, 1986, UOJ, Amman, Jordan.
- Crop. Modeling and Agro technology Transfer Workshop Coordinator, 1985, IBSNAT & ACSAD, Amman, Jordan.
- Highlands Project in Jordan Seminar, 1985, Amman, Jordan.
- Irrigation Systems and Water Use Workshop for Yemenese Engineers, 1985, Amman, Jordan.
- Soil Science Society of America Meeting, 1984, Las Vegas, Nevada, USA.
- International Benchmark sites Network for Agro technology Transfer. General Meeting, 1984, Maui, Hawaii, USA.
- Soil Taxonomy and Agro technology Transfer Workshop, 1984, USAID, USDA, Jordan.
- Irrigated Agriculture in the Arab World Seminar, 1982, AOAD, Khartoum, Sudan.
- Save our Soils Workshop, 1982, IFIAS & UNEP, Wageningen, Netherlands.
- Plastic use in Jordan Agriculture Workshop, 1981, Univ. of Jordan.
- Save our Soils Workshop, 1980, IFIAS & UNEP, Sochi, Soviet Union.
- Rainfed Agriculture Seminar, 1980, FAO, Jordan.
- Soil Science of America Annual Meeting, 1979, Fort Collins, Colorado, USA.
- Communications Seminar, 1977, Michigan State Univ. AID, USA.
- Irrigation Water Use, 1972, Montpelier, France.

Dr. Battikhi Duties at the Higher Council for Science and Technology

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| 1. Secretary General, The Higher Council for Science and Technology | 2008-2010 |
| 2. Chairman, Board of the Jordan Badia Research and Development Center | 2008-2010 |
| 3. Chairman, Board of the National Virtual Center for Biotechnology | 2008-2010 |
| 4. Chairman, Board of the Jordan Company for Antibody production (MONOJO) | 2008-2010 |
| 5. Board member, National Center for Human Resources Development | 2008-2010 |
| 6. Vice-Chairman, National Energy Research Center | 2008-2010 |
| 7. Board member, The Regional Human Security Center | 2008-2010 |
| 8. Chairman, Board for National Fund for Enterprises Support (NAFES) | 2008-2010 |
| 9. Committee member, Industrial Scientific Research and Development Fund | 2008-2010 |
| 10. Committee member, El Hassan Bin Talal Award for Scientific Excellence | 2008-2010 |
| 11. Board member, Scientific Research Fund- Ministry of the Higher Education & Scientific Research | 2008-2010 |
| 12. Vice-Chairman, Scientific Research Fund- Ministry of the Higher Education& Scientific Research | 2008-2010 |
| 13. Member, Talal Abo-Ghazaleh Association for Knowledge and Management | 2008-2010 |
| 14. Chairman, Technical Committee of the Higher Council for Science and Technology | 2008-2010 |
| 15. Chairman, Executive Committee of the Higher Council for Science and Technology | 2008-2010 |
| 16. Committee Member, Leadership Team of El Hassan Science City | 2008-2010 |
| 17. Chairman, Supervisory Board, Inter-Islamic Network on Water Resources Development and Management | 2008-2010 |
| 18. Member, Board of Trustees of the Royal Scientific Society | 2008-2010 |

Tel & Fax: (962-6) 5355000/22523 Mobile: (962) 79-7307721
E-mail: a.battikhi@ju.edu.jo
Address : Dept. Land water & Environment
Fac. Of Agriculture
Amman . Jordan

19. Member, Higher Education and Research Budget, Ministry of Planning and Cooperation
2006-2010
20. Chairman, Support to Research and Technological Development and Innovation Initiatives
and Strategies in Jordan (SRTD). 2007-2010
21. Chairman, King Abdullah Canal Investigation of water pollution committee 2008-2010
22. Committee member on "Strategy of Higher Education in Jordan" - Ministry of Higher Education and
Scientific Research 2009-2010
23. Vice-Chairman, Supervisory Board of the National Information Center 2009-2010
24. Board member, National Center for Diabetes Endocrine and Inherited Disease 2009-2010
25. Member, United Nations Commission for Science and Technology 2008-2010

Other Activities:

- Advise Undergraduate Students in their Curricula.
- Advise Graduate and Undergraduate Students in their Seminars.
- Preparation and Installation of Equipment and other needs of the Soil Physics Lab.
- Evaluation of the Jordan Valley Agric. Services Program for USAID, 1984.

Scientific Societies:

- American Geophysical Union.
- American Society of Agronomy.
- International Soil Science Society.
- Jordanian Association of Agricultural Engineers.
- Soil Sc. Soc of America
- Phi Kappa Phi.
- Gamma Sigma Delta.
- Sigma XI.

Prizes & Awards:

- Phi Kappa Phi, USA , 1977.
- Gamma Sigma Delta, USA, 1977.
- Sigma XI, USA, 1977
- Abdul Hamid Shouman Award for Young Agricultural Scientist in the Arab World, 1986.
- Distinguished Scientist Awarded By the Association of Agricultural Engineers, in Jordan, for 2001.
- Ministry of Education Medal of Honor, Jordan, 2005 (Royal Decree).
- Distinguished Alumni Award, for the year 2009, Iowa State University.
- Jordan Scopus Awards 2009, the World's Largest Scientific Database Endorsed by the Times Higher
Education, a reputable organization specializing in ranking universities world-wide.
- Agriculture Scientist of the Year, The University of Jordan , Amman Jordan 2009.
- Distinguished Alumni Award in Agriculture and Education from the American University in Beirut in
2011.
- Distinguished Scientist Awarded By the Association of Agricultural Engineers, in Jordan, for 2011.
- The Arab Creativity Award of the Arab Thought Foundation (Sciences Creativity in Water & Soil
Physics) / Dubai. 2011.
- Distinguished Researcher Award from the University of Jordan, for 2011/2012.

Tel & Fax: (962-6) 5355000/22523 Mobile: (962) 79-7307721
E-mail: a.battikhi@ju.edu.jo
Address : Dept. Land water & Environment
Fac. Of Agriculture
Amman . Jordan

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- Saimeh, M.H., and **A.M. Battikhi**, Replenishment and Depletion of Soil Moisture in the Northern Areas of East Jordan. I-Soil Series 11, Dirasat Journal, Vol. XII, No. (6), 67-87, 1985, Univ. of Jordan, Amman, Jordan, English.
- Qasem, J., O.M. Judah, and **A.M. Battikhi**, Water Utilization by Tomato under Drip Irrigation in the Jordan Valley. Dirasat Journal, Vol. XII, No. (6), 13-23, 1985, Univ. of Jordan. Amman, Jordan, English.
- **Battikhi, A.M.**, Optimum Soil Moisture Content for Germination of Barely Seeds in Three Major Soil Series from the Northern Regions of East Jordan. Dirasat Journal, Vol. XIII., No. (5), 1986, Univ. of Jordan. Amman, Jordan, English.
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- **Battikhi, A.M.**, and R.W. Hill, Vegetable Yield and Irrigation Scheduling Model for the Jordan Valley, Dirasat Journal, Univ. of Jordan, Amman, Jordan. Vol. XIV, No. (11), 73-98, 1987. Univ. of Jordan, Amman, Jordan, English.
- **Battikhi, A.M.**, and I. Ghawi, Squash (Cucurbita Pepo) Production under Mulch and Trickle Irrigation in the Jordan Valley. Dirasat Journal, Univ. of Jordan, Vol. XIV, No.(11), 59-72, 1987, Univ. Of Jordan, Amman, Jordan, English.
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Tel & Fax: (962-6) 5355000/22523 Mobile: (962) 79-7307721
E-mail: a.battikhi@ju.edu.jo
Address : Dept. Land water & Environment
Fac. Of Agriculture
Amman . Jordan

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Tel & Fax: (962-6) 5355000/22523 Mobile: (962) 79-7307721
E-mail: a.battikhi@ju.edu.jo
Address : Dept. Land water & Environment
Fac. Of Agriculture
Amman . Jordan

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- Abu Sirhan A., **A. Battikhi**, and B. Snober, Management of Primary Tillage Operation to Reduce Tractor Fuel Consumption, AMA, 2002, Shin-Norinsha. Co., Japan, English.
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Tel & Fax: (962-6) 5355000/22523 Mobile: (962) 79-7307721
E-mail: a.battikhi@ju.edu.jo
Address : Dept. Land water & Environment
Fac. Of Agriculture
Amman . Jordan

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- **Battikhi, A.M.**, Higher Education in Jordan: Entrance through a Bottleneck. *Scientific Research Journal, Jordan Society for Scientific Research*, Vol. (1), 40-45, 2009, Amman, Jordan.
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- **Battikhi, A.M.**, B.A. Snobar, S.A. Khattari, and M.S. Suifan, Effect of tillage systems and wheat residue management methods under different Crop Rotations on Soil Moisture Storage and Crop Yields in 3 Rainfed Areas of Jordan, published in *Jordan Journal of Agricultural Sciences*, Vol. (7), No. (2), University of Jordan, Amman, Jordan, 2011.
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- **Battikhi, A.M.**, Scientific Research on Nutrition & Health Chairman, Third Conference on Scientific Research in Jordan. Editor. Jordan Society for Scientific Research, Amman, Jordan, pp (1-167), 2007.
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- **Battikhi, A.M.**, and M., Al Ajlani, Poverty, Unemployment and Labor Market, The Fourth Conference on

Tel & Fax: (962-6) 5355000/22523 Mobile: (962) 79-7307721
E-mail: a.battikhi@ju.edu.jo
Address : Dept. Land water & Environment
Fac. Of Agriculture
Amman . Jordan

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 - **Battikhi ,A.M.**, and H., Horani, The Role of Women in Development Sectors in Jordan, The Fifth Conference on Scientific Research. Editor. Jordan Society for Scientific Research, Amman, Jordan, 2011.
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 - **Battikhi ,A.M.**, R., Shibli, and M., Al-Najar, Quality of Higher Education in Jordan, The Fifth Conference on Scientific Research. Editor Jordan Society for Scientific Research, Amman, Jordan, 2011.
 - **Battikhi ,A.M.**, Higher Education Quality in Jordan , The Fifth Conference on Scientific Research. Jordan Society for Scientific Research, Amman, Jordan, 2011.

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- **Battikhi, A.M.**, Groundwater in Jordan: Current and Future Uses. In “Integration of Information between Oil Drilling and Hydrogeology of Deep Aquifers.” Published by The Inter-Islamic Network on Water Resources Development and Management. Amman, Jordan, 1996, English.
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Tel & Fax: (962-6) 5355000/22523 Mobile: (962) 79-7307721
E-mail: a.battikhi@ju.edu.jo
Address : Dept. Land water & Environment
Fac. Of Agriculture
Amman . Jordan

Papers Sent for Publication:

- 1) Salahat, M., Khattari, S., **Battikhi A.**
Effect of Drip Irrigation Scheduling and Nitrogen Fertilization (Fertigation) on Tomato Crop in Jordan Valley. Sent for Publication to Irrigation and Drainage Systems. Journal of Agron and Crop Science. Germany .
- 2) **A. Battikhi**, M. Shatanawi, and M. Omar.
Influence of Different Water Amounts on Cucumber Yield under Plastic House. Journal of Agron. and Crop Science. Germany
- 3) **A. Battikhi**, M. Shatanawi, and M. Omar.
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