

BIOGRAPHICAL RESUME
PROFESSOR YAHYA ISA FARHAN
DEPARTMENT OF GEOGRAPHY,
UNIVERSITY OF JORDAN,
AMMAN-JORDAN,

Date Of Birth : 1947.

Citizenship : Jordanian.

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Education :

- B.A Geography, Univ.Of Jordan, 1968
- M.Sc Geography, Univ.Of Cairo, 1971.
- Ph.D Geography , University of Wales, Dec. 1976, Land Resource Evaluation With Special Reference to Land Planning for Engineering Projects.

Experience :

- Assistant Lecturer, 1971-1973, Geograpgy Department, Univ.Of Riyadh, Saudi Arabia
- Demonstrator, Geography Dept. University Of Wales, Swansea, 1973-1976 .
- Consultant, The Jordan National Geographic Centre , March 1977-Augst 1980 .
- Founder of the geography Survey Dept.(JNGC), Amman .
- Land use survey of Greater Amman, 1978.(JNGC), Amman .
- Land use mapping of Jordan (1:250000) 1978-1979(JNGC), Amman .
- Assistant Prof., Geography Dept., University Of Jordan, February 1977 to 15th February 1982 .
- Head ,Environmental Sciences Dept., Faculty Of Science , Yarmouk University, from 15 February 1982 to 5th February 1984 .
- Associate Prof., Univ.Of Jordan . 5th February 1984 2nd October 1988 .
- Professor, Department Of Geography , Univ. Of Jordan , Since 2nd October 1988-1998

- Chair, Geog. Department , Univ. Of Jordan ,September 1991-1993 .
- Consulting member,Center for water and Environmental Studies,Univ.Of Jordan,1991-1994 .Consultant,Curriculum & Geographic Education,Al-Quds Open University,Amman 1985-1987,1990-1996 .
- Member,Working Group for the Jordan Environmental Protection Strategy 1988-992
- Evaluation of the Back Road of Aqaba,with consultant group from the Imperial College,London,the Ministry of Puplic Works & Housing,and the Engineering Consultant,Amman,1992 .
- Land Resources Survey,Safawi Badia Project,Higher Council for Sciences and Technology,1992-1994 .
- Visiting Fulbright Professor,Department Of Geography,University Of Iowa,Iowa City,1st Spet.1996-30Jan. 1997 .
- Senior Consultant of Geography & Environmental & Sciences Curriculum ,Ministry of Education ,Muscat ,Oman ,June 1998-June 2002 .
- Dean, Faculty of Social Sciences and Humanities, University of Jordan, Amman, Jordan, started 22 August 2005– 21August 2007.
- Consulting committee of Social Sciences Curriculum , Ministry of Education , Amman , Jordan , 2006-2007 .
- Member, Editorial Board, The Arab World Geographer (1999-2003), Toronto University Press.
- Member, Editorial Board, The Jordan Journal of Social Sciences, Ministry of Higher Education and the University of Jordan, Amman, Jordan (2008-).

Memberships :

- Institute of British Geography .
- British Geomorphological Research Group .
- Egyptian Geographical Society .
- Japanese Geomorphologica Union .
- Correspondent member,Resources for the future,Washington .
- Associate member,Internaional Geomorphological Unio .

General Professional Interests :

1-Arid Lands and Marginal Areas Land Resource Evaluation / Development ,Land Use Planning ,(survey, planning and management),Topographic Site Selection and Planning with Special Reference to the CSIRO(Australia) System in Land Resources Mapping& Evaluation for Planning Purposes(Morphological ,Geomorphological , Land Systems and Land Use Mapping).

- 2-Remote Sensing and GIS Applications for Land Resources Survey & Mapping .
- 3-Environmental Hazards Assessment &Mitigation (i.e Desertification, Landslides ,and Floods).
- 4- Engineering Geomorphology with Special Reference to Hillslope Stability Mapping andEvaluation for Highways Engineering and Land Development.
- 5- Land Resources Cartography with Special Emphasis on Selected Land Mapping Techniques (i.e the ITC system of geomorphological survey,the IGU system of detailed geomorphological mapping,and the C.S.I.R.O.and M.E.X.E. approaches for land systems mapping .
- 6- Environmental Impact Assessment for Development.
- 7- Quantitative Methods and Multivariate Statistics.
- 8-Cartographic Generalization.

Awards :

- The Jordan Laureate prize for Social Sciences,1990 .
- Appreciation certificate,International Union for Natural Conservation,1992 .
- Fulbright Research award,1996-1997 .
- 2005 INTERGRAPH Academic Achievement Award In GIS/RS Geospatial Solutions.
- Certificate of Appreciation for Scientific input in the YEMENI Workshop related to the YEMENI DISASTER PLAN,10/11-13/11,2005.

Published Papers (In English)

- 1- Farhan,Y.I.,1975,Land System of Southern Jordan,Swansea Geographers,Vol.13,49-45 .
- 2- Farhan,Y.I.,1976,FARECO : A computer program to convert the angles and distance measurements into rectangular coordinates, Swansea Geographers,14,8-13.
- 3- Farhan,Y.I.,and Rouse,C.W.,1978,Slope forms in selected parts of South Wales,Swansea Geographers,Vol.16,62-67 .
- 4- Farhan,Y.I.,and Royse,C.W.1976,Threshold slopes in South Wales,Q.J.Enhng,Geology,Vol.9,327-338 .
- 5- Farhan,Y.I.,1978,Terrain Classification Based on engineering geomorphological Parameters : a multivariate approach.Proceedings of the American Society of photogrammetry,Digital Terrain Models Symposium ,St. Louis ,U.S.A 428-468 .
- 6- Farhan, Y.I.,1988 Slope morphometry : a computer program to calculate hill slope morphometric indices,Iraq Geographical Society Journal,16,20-31 .

- 7- Farhan, Y.I., 1980, The application of Aerial Photographs in Engineering Geomorphological Mapping for Highway Engineering Design and Maintenance. Tech. Papers of the American Society of Photogrammetry, St. Louis, 223-233 .
- 8- Farhan, Y.I., 1984, Geomorphological mapping of hill slope stability: Central East Bank of Jordan Case study, Revue Tunisienne de Géographie, 12, 9-48 .
- 9- Farhan, Y.I., 1983a, A multivariate approach to hill slope from classification : a case Study from East Bank of Jordan . Proceedings of the first Jordanian Conference in Geology, 565-591.
- 10- Farhan, Y.I., 1983b, Soil erosion mapping and evaluation in Jordan: A Photogeomorphological approach. Tech. Papers of the 49th Annual Conference of the American Society of Photogrammetry, 131-143 .
- 11- Farhan, Y.I., 1983c, Environmental Impact Assessment Using Sequential Aerial photographs. Tech. Papers of the 50th conference of the American Society of Photogrammetry, 220-231 .
- 12- Farhan, Y.I., 1985a, Environmental Impact Assessment of Excessive Development in the Baq`a Depression, Jordan Dirasat, 11(7), 73-90.
- 13- Farhan, Y.I., 1985b, A photogeomorphological approach to reconnaissance soil erosion mapping and evaluation, Dirasat, 12(9), 251-74.
- 14- Farhan, Y.I., 1985c, Geomorphological mapping of Landslides Complex Area in a part of the Zerqa river. Annales de Géographie, Vol. 6, 31-56, (In French).
- 15- Farhan, Y.I., & Hunaiti, H., 1986a, Patterns of Rural development in the Belqa Governorate, Jordan: A multivariate Approach. The Arab Journal of Social Sciences, Vol. 1(2), 276-283.
- 16- Farhan, Y.I., & Mickble, Sh., 1986b, Applied Geomorphological Mapping and surveys in Jordan. Trans. Japanese Geomorphological Union, Vol 7, (2), 91-102.
- 17- Farhan, Y.I., 1986c, Landslides in Central Jordan with special reference to the March 1983 rainstorm. Sing. Jour. Of Tropical Geography, Vol. 7(2), 80-97.
- 18- Farhan, Y.I., 1987a, Regionalization of Surface water Catchments in the East Bank of Jordan, The Arab Journal of Humanities, Vol. 7(26), 304-322.
- 19- Farhan, Y.I., & A. Tarazi, 1987b, Urban Ecology of Jerash: 1983. The Arab Journal of Humanities, Vol. 8(31), 426-449.
- 20- Farhan, Y.I., 1986, Factors affecting the estimated total run off for surface Water Catchments in the Central Bank of Jordan. Beitrag zur Hydrologie, 5(1), 457-470.
- 21- Farhan, Y.I., 1988, Post-construction geomorphological assessment of Amman-Irbid highway, Northern Jordan Trans .Jap .Geomorph. Union 9(2), 121-134.
- 22- Farhan, Y.I., 1988, Hillslope environment and instability problems on the Amman-Dead Sea highway, Central Jordan, HANNON, 20, 49-72.

- 23-Farhan, Y.I., 1988, Problems of slope instability on the Amman-Jerusalem highway, Na`ur-Adasiya area, Central Jordan. Studia Geomorphologica Carpatho-Balcaica, 22, 91-104.
- 24-Farhan, Y., 1999a, Landslides hazards and highway engineering in Central and Northern Jordan, In: Griffiths, J. S., and R. S. Marting (eds), Landslides, A.A. Bakema, Rotterdam, 37-45.
- 25-Farhan, Y.I., 1999b, Geomorphic Impacts of highway Construction, Their Causes and Remedies: A case Study from Aqaba, Southern Jordan, The Arab World Geographer (Toronto), 2(1), 1-25.
- 26-Farhan, Y.I., 2002, Slope stability problems in Central and Northern Jordan, The Arab World Geographer, (Toronto), 5(4) 265-290.
- 27-Farhan, Y.I., Geomorphology and flood hazard in the Aqaba area (in preparation).
- 28-Farhan, Y.I., The evolution of Sandstone and granite slopes in the Aqaba-Ram-Ras Naqab area, Southern Jordan (in preparation).
- 29-Farhan, Y.I., Watershed planning and management in Jordan: The Wadi Shueib case study, Central Jordan (in preparation).
- 30-Farhan, Y.I., Geomorphological evolution of Ras En Naqab escarpment, Southern Jordan (in preparation)
- 31-Farhan, Y.I., 2003, The Illegitimate and shameless war on the Iraqi Homeland and the Iraqi people. The Arab World Geographer, Vol. 6(1), 30-34.
- 32 – Farhan, Y., 2004, Terrain analysis of Aqaba area, Southern Jordan, submitted to the Annual International Training and Management Conference by Intergraph Mapping and Geospatial Solution, April, 26-28, 2005, San Francisco, USA.
- 33 – Farhan, Y., 2004, Urban growth assessment of Aqaba city using RS/GIS techniques, submitted to the Annual International Training and Management Conference by Intergraph Mapping and Geospatial Solution, April, 26-28, 2005, San Francisco, USA.
- 34-Farhan, Y., 2004, Structural geomorphology of Lower Wadi Araba using different RS supervised classification techniques, submitted to the Annual International Training and Management Conference by Intergraph Mapping and Geospatial Solution, April, 26-28, 2005, San Francisco, USA.
- 35-Farhan, Y., 2004, Geomorphological site evaluation of Teeba Town (South of Aqaba) using GIS/RS techniques, submitted to the Annual International Training and Management Conference by Intergraph Mapping and Geospatial Solution, April, 26-28, 2005, San Francisco, USA.
- 36-Farhan, Y., 2004, Post-construction geomorphological assessment of Amman-Irbid

highway, Swileh-Jerash area using RS/GIS techniques, submitted to the Annual International Training and Management Conference by Intergraph Mapping and Geospatial Solution, April,26-28,2005,San Francisco,USA.

37-Al-Louzi.S.,andFarhan,Y.,2009,Students' Violence at the University of Jordan, Jordan Journal of Social Siences,2(2),277-296.

Research Underway :

1-Structural Geomorphology Of The Aqaba Area Using GIS/RS Techniques.

2-Geomorphological Evaluation Of Flood Hazard in Relation to Teeba Development Plan 2003,The Southern Coast Of Aqaba, Southern Jordan, Using GIS/RS Techniques.

3-Urban Growth of Aqaba Using GIS/RS Techniques.

Research Papers/Monographs Published (in Arabic) :

1-Farhan, Y.I.,1979,Relief shading cartography,Syrian Geographical Magazine, Vol.4,18-37.

2-Farhan, Y.I.,1979,Ruseifa Phosphate mines excavation:A study in applied geomorphology,Revue tunisienne De geographie, Vol.4,7-36.

3- Farhan, Y.I.,1977,Geography and set theory,Bull. Soc. Geogr. De`Egypt, Vol.10(new series),61-91.

4-Farhan, Y.I.,1980,The engineering applications of geomorphological maps,Dept. of Geography,University of Kuwait.Discussion Paper No.12,73pp.

5-Farhan, Y.I.,1982,Slope forms in Central Jordan,Yarmouk University Press,140pp.

6-Farhan, Y.I.,and S.Beheiry,1989,Geomorphology of the Eastern highlands Bordering Southern Wadi Araba,In:Farhan,y.et al.,1989,Geogmorphological studies on Southern Jordan ,Univ.of Jordan publications,p.7-50.

7-Farhan, Y.I.,1989,Geomorphology of the Quweira depression-Wadi Uheimer Basin,Southern Jordan,In:Farhan, Y.et al.,1989,Geomorphological studies on Southern Jordan,Univ. of Jordan publications,p,51-92.

8-Farhan, Y.I.,1989,Morphological analysis as a basic tool for regional development in Southern of Jordan , In : Farhan , Y., et al ., 1989 Geomorphological Studies on Southern Jordan , Univ. of Jordan publications , p. 177 – 134 .

9-Farhan, Y.I.,1989, Geomorphological evaluation of terrain units for regional development in the Southern desert of Jordan , In :Farhan, Y., et al ., 1989 , Univ. of Jordan Publications , p. 135 – 179 .

10- Farhan, Y.I.,1989, Urban planning and the evaluation of flood hazard in arid lands

of Jordan , Aqaba case study, In : Farhan , Y., et al ., 1989

Geomorphological Studies on Southern Jordan , Univ. of Jordan Publications , P. 181 – 206 .

11-Farhan,Y.I., et al.,1992, Geomorphological Studies of Wadi Shueib , Central Jordan , manuscript .

12-Farhan,Y.I., 1982 , Geography of Amman , A Critique Study . Amman , 80 pp .

13-Farhan,Y.I., 2001 , Israeli Geopolitics of Spatial planning : The liquidation of Palestine's Cultural landscape , Qaboose University ,Muscat , Oman , In Pess .

14- Farhan,Y.I., Earth Science input in planning with case studies (in Preperation)

Text Books Published (in Arabic) :

1-Farhan,Y.I., et , al ., 1980 , Physical geography and cartography , Sultanate of Oman , Ministry of Education , For class no . 10 , Secondary Schools , 380 pp .

2-Farhan,Y.I., et , al ., 1981 , Human Geography ,_Sultanate of Oman , Ministry of Education , For class no . 11 , Secondary Schools , 372 pp .

3-Farhan,Y.I., et , al ., 1982 , Regional geography , Sultanate of Oman , Ministry of Education , For class no . 12 , Secondary Schools , 420 pp .

4- Farhan,Y.I., et , al ., Environmental problems I . Sultanate of Oman , Ministry of Education , For class no . 11, Secondary Schools , 140 pp.

5-Farhan,Y.I., et al ., 1983, Environmental problems II . Sultanate of Oman , Ministry of Education , For class no . 12 , Secondary Schools , 140 pp .

6-Farhan,Y.I., et al ., 1984, Methodology of Geographic research , Sultanate of Oman , Ministry of Education , First Year , Community Colleges , 350 pp .

7-Farhan,Y.I., et al ., 1984, Introduction to Geology and Astronomy , Sultanate of Oman , Ministry of Education , First Year , Community Colleges , 370 pp .

8-Farhan,Y.I., et al ., 1986, Environmental Science , Sultanate of Oman , Ministry of Education , Second year , Community Colleges , 370 pp .

9-Farhan,Y.I., et al ., 1986, Geographical Studies in the Arab World ., Sultanate of Oman , Ministry of Education , Second year , Community Colleges , 360 pp .

10-Farhan,Y.I., et al ., 1986, Environmental Education , Sultanate of Oman , Ministry of Education , Second year , Community Colleges , 160 pp .

11-Farhan,Y.I., et al ., 1987, Techniques of Applied Education Research Sultanate of Oman , Ministry of Education , Second year , Community Colleges , 400 pp .

12-Farhan,Y.I., and S. Gharaibeh , 1987, Introduction to Environmental Sciences , Amman , 410 pp .

- 13-Farhan, Y.I., 1987, Remote Sensing and its Applications, Vol. 1 , Aerial photo – interpretation , Amman , 280 pp .
- 14-Farhan, Y.I., et al ., 1988, Introduction to physical Geography , Amman , 250 pp .
- 15-Farhan, Y.I., et al ., 1989, Development of the Arab World : Present and Future , Amman , 240 pp .
- 16-Farhan, Y.I., The I.T.C System of Geomorphological Survey . By : Verstappen , H., and R. Van Zuidam , 1975 . I.T.C Enschede , the Netherland (A Translation) .
- 17-Farhan, Y.I., et al ., 1993, Physical Geography , Al-Quds Open University , Amman 450 pp .
- 18-Farhan, Y.I., et al ., 1993, Environment , population & Resources in the Arab World , Al-Quds Open University , Amman 450 pp .
- 19-Farhan, Y.I., et al ., 1995, Concepts In Social Science , Ministry of Education , Republic of Yeman , 398 pp .
- 20-Farhan, Y.I., et al ., 1995, Political Geography , Al-Quds Open University , Amman 350 pp .
- 21-Farhan, Y.I., et al ., 1993, Handbook of Environmental Education , Ministry of Education , Republic of Yeman , 165 pp .
- 22-Farhan, Y.I., et al ., 1995, Urban Geography , Al-Quds Open University , Amman , 360 pp .
- 23-Farhan, Y.I., et al ., 1996, The Arab World , AL-Quds Open University , Amman , 240 pp .
- 24-Farhan, Y., 1999, Physical features of my home country , In : Social studies textbook (Basic Education) 3rd class , 13 – 52 , Ministry of Education , Muscat , Oman .
- 25-Farhan, Y., 1999, Natural Resources of my Environment , In : Social studies textbook (Basic Education) 3rd class , 53 – 96 , Ministry of Education , Muscat , Oman .
- 26-Farhan, Y., 2000, Maps & Directions , In : Social studies textbook (Basic Education) 4th class , Part 1 , 11 – 40 , , Ministry of Education , Muscat , Oman .
- 27-Farhan, Y., 2000, The Globe , In : Social studies textbook (Basic Education) 4th class , Part 2 , 85 – 132 , Ministry of Education , Muscat , Oman .
- 28-Farhan, Y., 2001, The Sultunate of Oman , In : Social studies textbook (Basic Education) 4th class , Part 2 , 9 – 67 , Ministry of Education , Muscat , Oman .
- 29-Farhan, Y., 2001, Water Resources of Oman , In : Social studies textbook (Basic Education) 4th class , Part 2 , 93 – 129 , Ministry of Education , Muscat , Oman .
- 30-Farhan, Y., 2001, The physical setting of the Arab World , In : Social studies textbook (Basic Education) 5th class , Part 1 , 9 – 68 , Ministry of Education , Muscat

, Oman .

31-Farhan,Y., 2002, The Earth System : The lithosphere , In : Social studies textbook (Basic Education) 6th class , Part 1 , 9 – 52 , Ministry of Education , Muscat , Oman .

32-Farhan,Y., 2001, The Sultanate of Oman , In : Social studies textbook (Basic Education) 6th class , Part 2 , 11 – 59 , Ministry of Education , Muscat , Oman .

Conferences & Symposiums :

The author participated in Several Scientific conferences and symposiums in Jordan , Arab countries & Abroad . Among these conferences and symposiums are :

1-Regional Hydrological Conference , IGU , Friebrug , Germany , Aug. 1984 .

2-First & Third Jordanian Geological Conferences , 1982 , 1985 , Amman

3-The First International Geomorphological Conference , Manchester , Sept. 1985 .

4-The Oman Secondary Schools and Community Colleges Curriculums Symposiums , Muscat , 1978 – 1985 .

5-The Joint Jordan – French Symposium on Remote Sensing Technology with Reference to Spot Satellite , Feb., 1986 .

6-The Second Conference of the Arab Geographic Union , Baghdad , 1993

7-The Symposium of Arid lands Management , Mu'ta University & Arab Geographical Union , Mu'ta University , Nov. 1994 .

8-2005 Geospatial Information International Conference Organized By INTERGRAPH, 26-28 April ,San Fransico , USA.

9-The Yemeni Workshop on Disaster Mitigatio Plan,10/11-13/11,2005, UNDP,Sanaa,Yemen .

Master and Ph. D Theses Supervised :

1-Rural Development in the Irbid Governorate , Ain Shams University , Cairo , 1980 , Joint Supervision (M.A) .

2-Geomorphology of Tafoni in Sands tones of southern Jordan , Erlangen University , Germany , 1986 , Joint Supervision (Ph.D) .

3-Development of the Capital of Amman , Tubingen University , Germany , 1987 , Joint Supervision (Ph.D) .

4-Development of Southern Badia of Jordan, University of Iowa , in preperation , Joint Supervision (Ph.D) .

5-Soil Erosion Susceptibility in the Baqa Depression , Dept. of Geography , University of Jordan, M.A , 1985 .

- 6-Geomorphology of Wadi Kerak , Central Jordan , Dept. of Geography , University of Jordan, M.A , 1986 .
- 7-Desertification in Northern Jordan(Mafrqa Governorate) , Dept. of Geography , University of Jordan, M.A , 1987 .
- 8-Soil Erosion Susceptibility of Wadi Shueib , Central Jordan , Dept. of Geography , University of Jordan, M.A , 1988 .
- 9-Morphological patterns of Wadi Shueib , Central Jordan , Dept. of Geography , University of Jordan, M.A , 1991 .
- 10-Unplanned Land use Development of Amman , using remote sensing Techniques , Two Case Studies),Dept . of Geography , University of Jordan, (M.A) , 1991 .
- 11-Hillslope Stability of King Tala Dam Area , Dept. of Geography , University of Jordan , Amman , (M.A) , 1994 .
- 12-Terrain Evaluation for Urban Development in the Salt Area , Jordan , Dept. of Geography , University of Jordan, (M.A) , 1994 .
- 13-Comparative Geomorphological Cartography : Application on Central Jordan (1 : 50000) , Dept. of Geography , University of Jordan, (M.A) , 1993 .
- 14-Basalt Landforms in the Safawi Area , Northern Jordan , M.A , Dept. of Geography , University of Jordan , 1995 .
- 15-Evaluation of land Resources in an area in the Safawi , Northern Jordan , M.A , Dept. of Geography , University of Jordan , 1995 .
- 16-Environmental Impact Assessment of Development in the Aqaba area Southern Jordan , M.A , Dept. of Geography , University of Jordan , 1995
- 17- Environmental Impact Assessment of industry in Sana City , Yemen , M.A , Dept. of Geography , University of Jordan , 1995 .
- 18-Soil Erosion Measurements in the Salt Area , (M.A) , Dept. of Geography , University of Jordan , 1994 .
- 19- Soil Erosion Measurements in the Muwaqar Area , M.A , Dept. of Geography , University of Jordan .
- 20- Soil Erosion Measurements in the Azraq Area , M.A , Dept. of Geography , University of Jordan .
- 21-Generalization in Geomorphological Cartography , M.A , Dept. of Geography , University of Jordan .
- 22-Geomorphology of Ras Ea Naqb Escarpment , M.A , Dept. of Geography , University of Jordan .
- 23-Geomorphology of the Alluvial fans , at the Upper Wadi Yutum , M.A, Dept. of Geography , University of Jordan .
- 24- Geomorphology of the Hasma area , Southern Jordan , M.A , Dept. of Geography

, University of Jordan .

25-Integrated Resources Survey of Wadi Shueib , Central Jordan , M.A , Dept. of Geography , University of Jordan .

26-Watershed Management of Wadi Shueib , Central Jordan , M.A , Dept. of Geography , University of Jordan .

27-Population Estimation Using Remote Sensing Techniques , A case study from the West Bank , M.A , Dept. of Geography , University of Jordan .

28-Environmental Impact Assessment of Dana Reservation , Southern Jordan ,M. A , Dept. of Geography , University of Jordan .

29- Land Management of Al-Shaubak area,Southern Jordan,using Remote Sensing Techniques,Ph.D thesis (in preparation),Dept. of Geography,Univ. of Jordan .

30- Impact Assessment of Land Degradation in Al-Jafr Basin,Southern Jordan,Ph.D thesis , Dept. of Geography,Univ. of Jordan .

31-Soil Erosion in Jerash area,Central Jordan,M.A thesis , Dept. of Geography,Univ. of Jordan .

32-Population and Agricultural Census Survey of Jerash area,Central Jordan,a Photogrammetric Approach ,M.A thesis Dept. of Geography, Univ. of Jordan .

33-Analysis of Erosion Surfaces Remnants In Central Jordan Using GIS/RS Techniques, Ph.D Thesis, Dept Of Geography, Univ. Of Jordan.

34-Geomorphological Evaluation Of Land Resources In The Wadi El-Hasa Basin, Southern Jordan. Ph. D Thesis, Dept. Of Geography, Univ. Of Jordan.

35-Geomorphological Evaluation Of Environmental Hazards In Wadi Kerak Catchment, Southern Jordan, Ph.D Thesis, Dept Of Geography, Univ. Of Jordan.

36- Environmental Impact Assessment Of Water Resources and Development In The Greater Amman Area, Ph.D Thesis, Dept. Of Geography, Univ. Of Jordan.

37-Land Use Changes in the Beni Kanana District using Remote Sensing Techniques , Ph.D Thesis , Dept. Of Geography , Univ. Of Jordan.

38- Land Evaluation for Urban Development Planning in Greater Sanaa Area ,Yemen. Ph.D Thesis , Dept. Of Geography, Univ. Of Jordan.

39 – Engineering geomorphological evaluation of the Back Road of Aqaba , Southern Jordan , Ph.D Thesis , Dept. Of Geography , Univ. Of Jordan .