

CURRICULUM VITAE OF: SULAYMAN S. AL-QUDSI

[Date: January 2010]

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Economics Research Department

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CURRENT POSITION

The Chief Economist & Head of Research Department: Arab Bank plc.
Headquarters: Amman, Jordan.

IMMEDIATELY PREVIOUS POSITIONS

- Senior Research Director, Canadian Energy Research Institute, Calgary, Alberta, Canada. & Professor of CERI Courses at the Department of Economics, University of Calgary (August 2005-September 2007).
- Senior Economic Advisor, National Center for Financial and Economic Information, Ministry of Finance, Kingdom of Saudi Arabia (Aug 2000-July 2005).
- Senior Economist, U.S. Department of the Treasury: U.S-Saudi Arabian Joint Commission for Economic Cooperation, (January 1998 to June 2000).
- Senior Economist, the California Energy Resources Commission (1991-1998)
- Associate Professor, University of California, Davis (Fall 1989 to Winter 1994).

CURRENT RESPONSIBILITIES: CHIEF ECONOMIST & DEPT HEAD

- Manage research developments and supervise researchers' time and output flows at AB Research Department.
- Lead Research Team in producing periodic innovative and timely reports on evolving economic and financial events in the global economy and constituent capital markets/credit and foreign exchange markets and discern their effect on Jordan and on the economies of the MENA region.
- Produce weekly economic reports, Arab Bank Weekly Economic Monitor, ABWEM, which analyzes interactions between economic developments and

banking and financial markets. Its scope encompasses global, regional and local markets.

- Produce Quarterly Reports on Jordan and publish them in the Arab Bank Series titled *Jordan Economic Review (JER)*.
- Serve as the Editor-in-chief of the Arab Bank Review (AB Review). The Review is an academic-oriented Journal that is published bi-annually.
- Produce a series of Occasional Papers and Briefings on the GCC, the Mashreq and Maghreb countries that tackle emerging issues in the regional foreign exchange markets, in the commodity markets and in the financial markets.
- Make presentations to teams of rating agencies and to delegates and missions from the IMF, the World Bank/IFC and from foreign country representatives on latest developments in Jordan and in the MENA economies.
- Provide research support to various departments at the Bank.

PROFESSORIAL RESPONSIBILITIES, UNIVERSITY OF CALGARY

- Energy Economics with emphasis on the structural & cyclical analyses of international oil markets & impacts on Canadian oil sands developments. Fall 2006 & Winter 2007
- Power System and Gas Markets Economics and Evolving Market Structures. The course deals with Canadian & International natural gas demand and supply chains, power market restructuring, utility cost & demand structures, load pricing and dispatching, transmission & distribution investments. Fall 2006 & Winter Quarters 2007.
- Dynamics of International Oil Markets with emphasis on OPEC & Non-OPEC Supply and demands of Asian economies, Summer 2006
- Member of PH.D and M.A graduate students final exam committees.

RESPONSIBILITIES, CANADIAN ENERGY RESEARCH INSTITUTE

- Lead research teams and advise management on R&D priorities, research plans and the orderly mergers of two U OF C research organizations.
- The Lead Economist for a multi-disciplinary team of professional economists and engineers & PhD students to implement the Canadian utility-sponsored project titled: “Economics of Canadian East-West Transmission Grid”.
- Editor-In-Chief of CERI Journal “*Geopolitics of Energy (GoE)*”
- Member of an Oil Price Forecast Committee: Monitor the impact of oil prices on global, regional and local economic growth.
- Project Lead: “Impact of long-term Asian oil-demand reduction scenarios on international oil prices; Client: Asian Development Bank.
- Lead Economist: “Impact of oil-price fluctuations on operating costs of junior oil & gas producers in Canada”; Client: TD Securities.

- Team Member: “Life Cycle Assessments of Nuclear Energy”. Project cliental: Canadian Nuclear Energy (CNA).
- Conduct regular reports & analysis to examine linkages between oil prices, oil sands industry growth and the labor market outcomes of the province of Alberta.
- Co-Chair CERI’S Electricity Conference, Canadian Energy Research Institute, October 2006, www.ceri.ca/conferences
- Chair CERI’S Electricity Conference, Canadian Energy Research Institute, CERI, October-November, 2005: www.ceri.ca/conferences.

RESPONSIBILITIES AT THE NATIONAL CENTER, KSA

- Advise Senior Management on international/regional developments & their likely impacts on the Kingdom’s macro, fiscal, financial and trade aggregates.
- Examine and suggest alternative policy conduits to enhance competitiveness of the Saudi economy.
- Offer advice and professional support to Senior Management and GCC trade negotiating team, GCC-EU Trade Agreement.
- Conduct research on socio-economic impacts of the GCC-EU trade patterns and emerging bilateral/multilateral trade agreements.
- Conduct research on the dynamics of population, education and labor markets and their nexus to factor productivity in the private sector of KSA.
- Evaluate alternative revenue-sharing schemes under the GCC customs union.
- Design planning frameworks for restructuring the Saudi power sector.
- Evaluate ramifications of changing international energy markets to the oil economies of the GCC countries.
- Contribute to the development of a national strategy to measure and reduce poverty in Saudi Arabia.
- Utilize time-series data and the Aremos package in order to run and maintain the Fiscal Econometric Policy Model of Saudi Arabia.
- Study the economic efficiency of judicial system in Saudi Arabia and its influence on business transactions.
- Contribute to the process of local capacity building and training of Saudi economists that are at various levels of professional development.

RESPONSIBILITIES AT THE ENERGY COMMISSION, CLIFORNIA

- Lead a team of researchers and Ph.D. students in the area of energy markets.
- Simulate the likely economic impact of electricity restructuring on California’s economy.
- Examine the British electricity bids and derive lessons that are germane to California’s electricity market.
- Conduct power sector demand forecasts covering service areas of investor-owned utilities that promote demand-side management (DSM) programs.
- Study the production functions of non-utility suppliers and ways to sustain and develop renewable electricity production in California.
- Adapt portfolio models and theories to enhance California’s electricity fuel and technology diversity.

- Innovate an index for measuring electricity technology and fuel diversity under uncertainty and estimate the dynamic social costs and benefits of alternative diversity options.

PROFESSORIAL RESPONSIBILITIES, UNIVERSITY OF CALIFORNIA

- Economics of Development
- Money and Banking
- Introductory and Upper-Division Microeconomics theory
- Introductory and Upper-Division Macroeconomics theory
- Advised two graduate students and participated in final exam committees.

EDUCATION

- March 1979: Ph.D. in Economics, University of California, Davis. PhD dissertation title “Growth and Distribution in an Oil Economy Kuwait: A Quantitative Approach”-Dissertation Committee: Steven Sheffrin, Thomas Mayer and William Moss. Fields of Study: Theories of Economic Growth, Labor Economics, Development Economics and Resource Economics.
- December 1975: MA in Economics, University of California, Davis. Fields of Study: Urban Economics and Public Finance.
- June 1972: BA in Economics: University of Kuwait; (Top student graduating with Distinction and First-Class Honors.)
- June 1968: Top Student amongst all graduates of the General Secondary Education System, State of Kuwait.

CURRENT RESEARCH INTERESTS

- i. Emerging interactions between international financial markets and regional financial and economies.
- ii. Investments, Sovereign Wealth Funds (SWF) and MENA stock markets.
- iii. Oil markets, spot prices, oil futures and economy-wide linkages.
- iv. Corporate and sovereign debts and debt sustainability.
- v. Conduct applied time series and categorical data models in the areas of oil price impacts, oil markets forecasts and determinants of power sector investments.
- vi. Labor markets dynamics, youth unemployment, education & human resources development.
- vii. The causal relationships between R&D , institutions, and economic growth
- viii. Investments and project developments & viability under risk & uncertainty.

COMPUTER CAPABILITY

- i. Econometric Packages: Stata 10.3; Aremos 5.3; Limdep 7.1; Eviews 5.1.
- ii. Data Management and Financial Analysis: Excel 2000, Fast 123, @Risk; Decision-tree for Project Uncertainty Analysis.
- iii. Windows XP Programs: Microsoft Word and Excel 2007, Allclear 1.2; ABC Flow Charter; Power Point 2007.

ADVISORY AND PROFESSIONAL CONSULTATIONS

1. October 2005-June 2008: Economic Research Forum: “Coordinator: Oman’s Country Profile Report”.
2. July 2002: World Bank Study: “Labor & Education Vision 20/20”, Saudi Arabia.
3. June 2001: Arab Planning Institute Study titled “the Returns to Investment in Human Capital in the Arab Countries”, Kuwait.
4. December 2000-January 2001: “ERF-World Bank Training Mission, Yemen’s Central Statistical Office: Using Stata Software to Analyze Population Censuses, Household Expenditure Surveys & Labor Force Surveys”.
5. Dec. 1996-Jan 1997: Harvard Institute for International Development (HIID): “Human Resources Development in the Middle East: Regional Strategies”.
6. October-December 1996: Middle East Institute, Harvard: “Palestinian Refugees Project”
7. March-June 1996: World Bank Public Expenditure Review: “Labor Market and Structural Adjustment in Yemen”.
8. April-September 1996: Member of the World Bank Team: Project title: “Towards Sustainable Growth in the West Bank and Gaza”.
9. February-March 1995: World Bank Mission to Oman: Project with Ministry of Development: “Human Resources Development and Strategic Development Plan”
10. July 1993-October 1994: Arab Planning Institute Study titled “Wage, Income and Structural Adjustment Policies of Developing Economies”.
11. August 1993-November 1993 International Labor Office “Arab Labor Markets: Trends Policies and Prospects” Commissioned for the UN’s 1995 Social Summit.
12. July 1992-October 1993: World Bank Study titled “A Survey of Arab Labor Markets”.
13. July 1989-October 1990: World Bank: “Female Employment in the Middle East.”
14. February-July 1986: Kuwait Foundation for the Advancement of Science (KFAS): Consultant to the Project titled: “Consumption in Affluent Oil Economies”.
15. January-May 1984: Organization of Arab Petroleum Exporting Countries (OAPEC): Modeling Energy Demand Patterns and Data Requirements.
16. July 1977-June 1978: Department of Health, Education and Welfare (DHEW): California Project: Economic Settlement of Indo-Chinese Immigrants in California.

PROFESSIONAL EMPLOYMENT

[Kindly Note that t Two or More Employment Positions Indicated Below Overlapped or Were Held jointly at the Same Time].

1. October 1, 2007 to the Present: Chief Economist & Research Department Head-Arab Bank Group, AB plc-Amman, Jordan.

2. August 2005-September 2007: Professor of CERI courses at the Economics Department, University of Calgary & Senior Research Director, Canadian Energy Research Institute, Calgary, Canada and
3. August 2000-July 2005: Senior Economic Advisor: National Center for Fiscal and Economic Information, Ministry of Finance, Saudi Arabia.
4. January 1998-June 2000: Senior Economist: U.S. Department of the Treasury, JECOR Project-Riyadh.
5. March 1993-January 1998: Full-time Senior Economist: Development Division, California Energy Resources Commission: Position was held concurrently with teaching positions at Sierra College and UC Davis.
6. May 1991-March 1993: Senior Economist: Energy Demand Division, Forecasting Office- California Energy Resources Commission: Position was held concurrently with employment at the University of California, Davis.
7. 1996-1997: Part-time Professor of Economics: Business School, Sierra College (Macroeconomic Theory).
8. Fall Quarter 1989 to Winter Quarter 1994: Associate Professor of Economics: University of California, Davis (Classes Taught: Economics of Development, Money & Banking, Macroeconomics Theory and Microeconomics Theory).
9. 1987-88: Kuwait Institute for Scientific Research (KISR) Researcher Grade 18 of 20.
10. 1985-87: Associate Researcher Grade 17, Kuwait Institute for Scientific Research.
11. 1980-1984: Assistant Researcher Grades 15 & 16, (KISR).
12. 1985-Spring: Acting Department Manager: Kuwait Institute for Scientific Research.
13. August 1979- July 1981: Assistant Professor of Economics: Kuwait University. Classes taught: Principles of Econometrics, Labor Economics, Introductory Economics and History of Economic Thought.
14. January 1979-June 1979: Lecturer of Economics: California State University, Sacramento (Intermediate Microeconomics).
15. 1974-178: Teaching Assistant, Economics Department the University of California Davis (Macroeconomics & Microeconomics).

COMMITTEE AND PROFESSIONAL MEMBERSHIP

1. Academic Promotion Committee, Assistant to Associate Professorship Rank, College of Business Administration, Kuwait University May 2007-July 2009.
2. Program Coordinator Department of Economics-University of Calgary and Canadian Energy Research Institute October 2005-September 2007.
3. Modeling Committee, Canadian Energy Research Institute, September 2005-Present.
4. Commodity Price Forecasting Committee, Canadian Energy Research Institute, September 2005-Present.
5. CERI Conferences Committee, Canadian Energy Research Institute, September 2005-Present.
6. January 2003-March 2004: Ministry of Finance Budgetary Committee for the Poverty Reduction Strategy of Saudi Arabia.

7. January 2000-August 2002: Advisory Committee on EU-GCC Free Trade Negotiations.
8. Jan1994-Jan1998: UCLA Business School: CEC Representative to UCLA Quarterly National and State Forecasting Project.
9. May 1994-December 1997: Strategic Energy Planning Task Force: California Energy Resources Commission.
10. 1992-1993: World Bank Charter Committee: Initiative to Encourage Economic Research in the Middle East.
11. 1993-Present: Research Fellow: Economic Research Forum for the Arab Countries, Iran and Turkey (ERF).
12. 1979-Present: The American Economic Association
13. 1990-Present: The Western Economic Association
14. 1986-1996:The International Association of Energy Economists
15. 1984-Present: The Middle East Economic Association
16. 1991-2003: California Association of Professional Scientists
17. 1986-1988: A Judge in the Awards Committees: The Kuwait Foundation for the Advancement of Science (KFAS).
18. 1989:Judge in the Arbitration Committee of the Best Annual Published Article:
19. The Kuwait Foundation for the Advancement of Science (KFAS)
20. The Kuwaiti Economics Society 1980-1990.
21. Member of two Promotion Committees: (1) Associate Researchers Grades 10 to 14 (1985-1989) and (2) Researchers Grades 15 to 18, (1987-1989). Techno-economics Division, KISR.
22. 1985: Member of Family Budget and Labor Force Survey Task Force: Ministry of Planning, Kuwait

AWARDS, HONORS & GRANTS

1. 2007: Student Choice Award, Society of Undergraduates in Economics (SUE) University of Calgary, Alberta.
2. 2006: GERPA Grant to Conduct Research on “Oil, Immigration and Gender Economics: Causality and Transformations In The GCC Countries”
3. 2003: Kuwait Prize for Outstanding Arab Researchers in the Field of Economics and Social Sciences “Education and Arab Labor Markets”. Kuwait Foundation for the Advancement of Science (KFAS).
4. 1995: US Department of Energy Grant; Advanced Research in Integrated Resource Planning. Research Topic: “Qualifying Facilities and the California Economy: Impact of Competitive Market Structure”.
5. 1993-1996: Recipient of three grants to write two papers on labor markets in the MENA Region Economic Research Forum (ERF), Cairo.
6. 1988: Shoman Foundation Award (Arab Bank) for the Top Arab Researcher in Economics & Social Studies under the age of forty.
7. 1980: Kuwait University Research Grant: energy patterns in the Gulf countries
8. 1978: University of California Award: Graduate Research Fund Award.

9. 1977: Distinguished Teaching Assistant Award, Department of Economics University of California- Davis.
10. 1969-72: Recipient of Annual Awards for the Top Student at the College of Business and Political Science, Economics Department, University of Kuwait.
11. 1968: Recipient of the Top Student Award Among All Graduates of the General High School Education System, State of Kuwait.

NAMED REVIEWER/REFEREE FOR

1. Referee for ERF GDN Competition #7: "Oil Prices & Economic Performance in the MENA Region", World Bank/ERF Competition 2006.
2. Reviewer for Economics of Education Review, 2005
3. Reviewer for Geopolitics of Energy, 2005-2006.
4. Reviewer for the Middle East Studies Association, MESA Bulletin 2003.
5. Referee for the Tenth ERF Conference, Labor Market Program, 2003.
6. The Technical Refereeing Committee, ERF Third Research Competition, 2001.
7. Journal of Development and Economic Policies 2001-2005.
8. Kuwait Foundation for the Advancement of Science, 2001.
9. Series of Economic Studies, Saudi Economic Association, 2000.
10. Journal of Applied Economics, 1998.
11. Middle East Journal, 1995-1997.
12. Asian and Pacific Migration Journal, 1995.
13. Middle East Economic Association Annual Volume, 1995
14. International Journal of Middle East Studies, 1994-1995
15. International Migration Review, 1991-1995
16. The MIT Press, 1992
17. Middle East Report, 1992
18. The Journal of Economic History, 1991
19. The Journal of Developing Areas, 1982-1989.
20. The Journal of Social Sciences, 1979-1990; 1997.
21. The Journal of the Gulf and Arabian Peninsula, 1981-1987
22. Journal of Science World, 1986
23. The Arab Journal of Social Sciences, KPI Ltd.-UK, 1987-1988
24. Middle East Association of North America, 1978.

ASSOCIATE EDITOR/ADVISORY BOARD MEMBER FOR:

- o Senior Editor, Arab Bank Review October 2007-August 2008.
- o Editor-in-Chief since August 2008 to Present.
- o Editor-In-Chief, *Geopolitics of Energy* (GoE); Canadian Energy Research Institute March 2007-Present.
- o Journal of *Development and Economic Policies*, Arab Planning Institute, Kuwait, 1997-Present.
- o Geopolitics Journal, CERI, University of Calgary October 2005-February 07.
- o Journal of Social Sciences, Kuwait University, 1988-1990.
- o The Arab Journal of Social Sciences (Routledge & KeganPaul) 1988-1990.

CONTRIBUTIONS TO TRAINING

- Trained Arab Bank Research Assistants on research methodology, economic and financial approaches and on applied econometric methods.
- Power Restructuring Training Program for Utility Companies Staff & Managers, Canadian Energy Research Institute, CERI, June 2007.
- Trained students and mid-management professionals in several countries including the United States, Canada, Kuwait, Oman, Saudi Arabia, the West Bank and Gaza and Yemen.
- Training topics included energy economics, macroeconomics and fiscal policies; micro-data management in the areas of energy demand, the economic growth-oil price nexus, education-labor market nexus and budget survey and poverty reduction strategies.
- Methods of training ranged from formal teaching courses to on-the-job training techniques. For example, the theory of microeconomics and applications were taught to managers of Pacific Bell during 1993-1995. Classes were designed in association with *San Francisco State University* and *American River College* and were part of a special MA program for middle-managers at the Pacific Bell Company.

PROFESSIONAL PUBLICATIONS:

[A] FINANCIAL MARKETS & MENA ECONOMIES

[1] ARTICLES

1. "Sovereign Wealth Funds of the GCC Countries: Role, Transparency and Global Impact" *Asian Economic Papers*: Volume 9 No.1 2010.
2. "*Oman Country Profile: The Road Ahead*. Country Coordinator, Author and Edited Study Compiler, *Country Report Series ERF*, Cairo December 2008.
3. "Emerging Opportunities and Financial Risks" (Jointly with W. Samhoury) in *Oxford Business Group: Jordan Emerging Economy*, 2008.
4. "Trade volatility, the Dollar Peg and Inflation in the GCC Countries: Some Preliminary Research Findings": *Arab Bank Review* Volume 10 (1) June 2008.
5. "The Amman Stock Exchange: A Blooming Rose in the Backyard of the Jordanian Economy": *Arab Bank Review* Volume 9, Special Issue; April 2007-April 2008.

[2] REPORTS

- 1) "Global Economic Report" Issue 3, *AB Quarterly Global Report Series* Oct 2009.
- 2) "The GCC Economies: Recent Developments in the Long-term Strategic Context", *Arab Bank Occasional Papers* 9 August 2009.
- 3) Economic Recessions in MENA: "Economic Downturns and Government Policy Actions"; *Arab Bank Occasional Paper* 7 June 2009.
- 4) "Jordan: Recent Developments & Sectoral Highlights". *Jordan Economic Review* Volume 1 (1) April 2008.
- 5) "Evolving Economic Issues in Jordan with Emphasis on Trade with Arab Countries": *Jordan Economic Review* Volume 1 (2) July 2008.
- 6) "Egypt inflation and Energy De-subsidization: Stress testing Scenarios": *Arab Bank Occasional Paper Series* OP No 1 August 2008.

- 7) “Bank Failures: Implications and Lessons” Arab Bank Occasional Paper Series OP No 2 September 2008.
- 8) ARAB Bank Weekly Economic Monitor (ABWEM) 95 Weekly Issues, March 2008 to January 2010.

PUBLICATIONS in INTERNATIONAL JOURNALS
[B] LABOR MARKETS & HUMAN RESOURCES:
[1] ARTICLES

1. “Arab Demography and Health Provision Under Stressed Economics” in A. Teebi (Editor) *Genetic Disorders among Arab Populations*, Springer-Verlag Berlin Heidelberg, 2010.
2. “International Migration: Causes & Consequences” UNESCO Regional Office Beirut, Arab Economics Encyclopedia Project Vol. 4, 2007.
3. “Unemployment Evolution in the GCC Economies: Its Nature and Relationship to Output Gaps” Labor Market Study No.22, Center for Market Research & Information (CLMRI), July 2006.
4. “Potential Output, Total Factor Productivity and Institutions in the Private Sector of Saudi Arabia” (with Abdulwahab Abu-Dahesh). Journal of Development and Economic Policies, Vol. 6 (2) 2004.
5. “Family Background, School Enrollments and Wastage: Evidence from Arab Countries” Economics of Education Review, Vol. 22 (6), 2003.
6. “Modalities of Social Safety Nets and the Triangle of Growth, Poverty and Distribution in the Arab Economy” Journal of Development and Economic Policies. API, Kuwait Vol. 4 (2) June 2002.
7. “Employment Experience in the Middle East and North Africa” (With Shaban R. And Assaad R.) In Djavad Salehi-Isfahani (ed.) Labor And Human Capital In The Middle East Reading Uk:Ithaca Press, 2001.
8. “Profiles of Refugee and Non-Refugee Palestinians from the West Bank and Gaza” International Migration Vol.: 38 (4) 2000.
9. “The Demand for Children in Arab Countries: Evidence from Panel and Count Data Models” Journal of Population Economics, Vol. 11, 1998.
10. “Labor Participation of Arab Women: Estimates of the Fertility to Labor Supply Link” Journal of Applied Economics, Vol. 30, 1998.
11. “Human Capital and Arab Labor Markets: Major Development Links and Policy Challenges” In Wadie M. A. (ed.) Modeling Labor Markets and Labor Dynamics in Arab Countries Vol.1, API 1998
12. “Labor Markets in the GCC”. The Emirates Center for Strategic Studies and Research Lecture Series No. 56. May 1998.
13. “Labor Market Policies and Development in the GCC: Does Internal Policy Consistency Matter?” in Devlin J. (ed.) Gulf Economies: Strategies for Growth in the 21st Century- Georgetown University Center for Contemporary Arab Studies, Washington D.C. 1997.
14. “Labor Markets and Structural Adjustment Policies: Implications to Developing and Arab Economies” in Tahir J. (ed.) Economic Theory Underlying Adjustment Policies In Arab Countries, North Holland Publishing Press, 1997.

15. "Economic Issues in the Labor Participation of Arab Women in Kuwait". The Industrial Bank Research Series Vol. 47, 1996.
16. "Population and Health Profiles in the Middle East Region". In Teebi and Farrag (eds.) Genetic Disorders among the Population of the Middle East. Cambridge, 1996.
17. "The Imperatives of Economic and Social Restructuring: Implications for the Arab Labor Markets". In Sirageldin I. and E. Al-Rahmani(eds.) Population and Development Transformations In the Arab World. Research in Human Capital and Development. JAI, 1996.
18. "The Challenges of Unemployment in the Arab Region" (with R. Shaban and R. Assaad) International Labor Review, Vol. 134 No. 1, 1995.
19. "Asian Women Workers in Kuwait" (with Shah N. & Shah M.). International Migration Review. Vol. 25, No. 3 fall 1991.
20. "The Relative Economic Progress of Male Foreign Labor: The Case of Kuwait" (with N.Shah). International Migration Review. Vol. 25 No.1 Spring 1991.
21. "Female Work Roles in a Traditional Oil Economy: Kuwait" (with N. Shah). In Sirageldin, Frank and Sorkin (eds.) Female Labor Force Participation. Greenwich, Connecticut: JAI Press1990.
22. "Returns to Education, Sectoral Pay Differentials and Determinants in Kuwait". Economics of Education Review, Vol. 8, No. 3 1989.
23. "The Changing Characteristics of Migrant Workers in Kuwait"(with N. Shah). International Journal of the Middle East. Vol. 21:1 1989.
24. "The Economics of General and Higher Education: The Case of Kuwait" (with A. Fangary). Industrial Bank Research Series, No. 30 1988.
25. "Sex Discrimination in the Labor Market of Kuwait" (with D. Hosni). International Journal of Manpower, Vol. 9, No. 3, 1988.
26. "Basic Needs and the Manpower Dilemma of Kuwait" (with D. Hosni). International Journal of Manpower, Vol. 7, No. 4 1986.
27. "Kuwait's Labor Supply: Characteristics and Determinants" (with D. Hosni) in Labor Utilization and Mobility in Arab Countries, United Nations/ Arab Planning Institute, 1986.
28. "Investment in Human Capital and Labor Supply Functions in Kuwait" (with D. Hosni) Journal of Arab Future, Vol. (5) 1986.
29. "Earnings Differences in the Labor Markets of Oil-Rich Economies: The Case of Kuwait". Journal of Development Economics, Vol. 18, No-2, 1985.
30. "Expatriate Labor in the Gulf: its Characteristics and Impact"(with M. Girgis) Finance and Industry. Vol. 6, 1985.
31. "Economics of Human Capital Investment in Kuwait". Journal of The Gulf and Arabian Peninsula Studies, No. 32, October 1982.

[2] REPORTS [Selected]

1. "Labor Demand in the Oil-Sands Economy of Alberta: Methodological Issues". Canadian Energy Research Institute, Canada October 2006.
2. "Education and Regional Labor Markets in Saudi Arabia" (with A. Al-Mahmmoud) The National Center for Financial and Economic Information, Ministry of Finance, Saudi Arabia March 2004.
3. "The World Bank and IMF Poverty Reeducation Strategies: Salient Features and Relevance for the Development of Poverty Reduction Strategy in Saudi Arabia" (With Saud Jleadan). The Center for Financial and Economic Information, Ministry of Finance, Saudi Arabia, 2003.
4. "The Distributive Efficiency of the Social Safety Nets in the Arab Economy" Arab Planning Institute Working Paper 0202, 2002 Kuwait.
5. "Recent Developments in the Labor Markets of Saudi Arabia: Contrasting the Education of Migrant and Domestic Labor" (with A. Al-Mahmmoud) : The National Center for Financial and Economic Information, Ministry of Finance, 2002.
6. Contributor to the ERF Annual Report titled "Economic Trends in the MENA Region". Contributions covered the annual reports for the years 1996, 1997, 2001, 2002 and 2003, The Economic Research forum for the Arab Countries, Iran and Turkey, Cairo.
7. "The Dynamics of Labor Markets in Saudi Arabia: Old Problems and New Challenges" The National Center for Financial and Economic Information, Ministry of Finance, Saudi Arabia June 2002.
8. "The Role of Applied and Technical Education and Returns to Education in Saudi Arabia" The National Center for Financial and Economic Information, the Ministry of Finance, Saudi Arabia, April 2002.
9. "The Next Saudi Population Census: Technical, Demographic and Economic Issues" National Center for Financial and Economic Information, Ministry of Finance, Saudi Arabia December 2001
10. "The Pension Systems and the Labor Market in Saudi Arabia" the National Center for Financial and Economic Information, Ministry of Finance, Saudi Arabia, September 2000.
11. "Employment and Unemployment Trends in Arab Countries", The National Center for Financial and Economic Information, the Ministry of Finance, Saudi Arabia, July 1999.
12. "Economics of the West Bank and Gaza Refugees" Harvard Project on Refugees. April 1997.
13. "Fertility and Mortality Determinants of Palestinians in the West Bank, Gaza and East Jerusalem" World Bank Project: West Bank and Gaza Sustainable Development Project, February 1997.
14. "Yemen's Public Sector, Wage Bill and the Deficit" (with I. Diwan). World Bank Research Report, 1996.
15. "The Economic Returns To Schooling In The West Bank and Gaza Strip-Revisited" (with R. Shaban) Background paper for the Palestinian Economic Report, a joint project between the Palestinian Economic Policy Research Institute (MAS) and the World Bank, 1996.

16. "Oman's Human Resources and Long-term Development Strategy: Reforming the Education and Labor Market Structures: Vision 20/20" A Report for Oman's Ministry of Development and the World Bank, 1995.
17. "Labor Markets and Structural Adjustment Policies: Implications to Developing and Arab Countries". Arab Planning Institute, 1994.
18. "Micro-economic Analysis of Labor Markets in Jordan and Kuwait". First Annual Conference on Development Economics, Cairo. June 1993.
19. "Expansion of Female Employment, Country Case Study: Kuwait". A Study Prepared for the World Bank, Contract No. LN315, July 1990.
20. "Kuwait's Population and Labor Profiles" (Task Leader, ED-15) KISR 3148, September 1989.
21. "Kuwait's Subsidized Education and Training Sector: A Partially Jaundiced View" (Task Leader, ED-15), KISR-3146, September 1989.
22. "Population, Employment and Education: Present Structure and Prospects for Future Development" (with N. Choucri) KISR/CMT Report, June 1988.
23. "Kuwait Five Year Plan", (Task Leader): Public Sector Activities and Human Resources Development. KISR 2163, November 1986.

[C] NATURAL RESOURCES AND THE ENVIRONMENT:

[1] ARTICLES

1. "The Future of Arab Economies Against The Backdrop Of The Global Financial Crisis And Risks Of New And Emerging Energy Technologies" Geopolitics of Energy, GoE, Vol. 31 No. 10, October 2009
2. "The GCC Economies: Rising Opportunities and Pending Challenges" the Geopolitics of Energy (GoE) Volume 30 (1) January 2008
3. "The Economics of Renewable Energy: Policy Lessons from California" (with M. Masri and Michal Moore) in Miller E. (ed.) Renewable Energy: Trends and Prospects. The Pennsylvania Academy of Sciences, 2002.
4. "Sustainability and the Valuation of Externalities for Electricity Generation in California" (with M. Masri) in Hohmeyer O. and Rennings K. (eds.) Social Costs and Sustainability: Valuation and Implementation in Energy and Transport Sector. 1996 Springer-Verlag Berlin Heidelberg New York.
5. "The Economics of Water Use and Management in the Middle East" in S. Spiegel (ED.) Practical Peacemaking in the Middle East. Garland Publishers, 1995.
6. "The Electricity Demand Pattern in Kuwait's Residential Sector". OPEC Review, Vol. 9, No. 3 1989.
7. "Is Lifeline a Viable Alternative to Kuwait's Fixed Electricity Rates?" (With A. Shatti). In J. Rowse (ED.) World Energy Markets: Coping with Instability. Friesen 1987.
8. "Domestic Energy Demand in the Gulf Countries" (with A.Shatti). In M. Miyata and K. Matsui (eds.) Energy Decisions for the Future, Vol.1, IAEE, 1987.
9. "The Dynamics of Alternative Energy Forms in the Gulf Countries". Industrial Bank Research Series, No.21, 1986.
10. "Energy Consumption in Kuwait's Residential Sector with Emphasis on Cooling" OAPEC Conference Proceeding on Energy Conservation in Arab Countries. Tunis 1983.

11. "Food and Energy in the Arab World" in B. Saket (ed.) Diversifying Income Sources in the Arab World. Union of Arab Research Institutes. Baghdad 1983.
12. "Requirements for the Development of Additional Energy Sources". E.N.I. Development through Cooperation, Rome, 1981.
13. "Energy in the Arab World: Present Patterns and Future Trends" Journal of Social Sciences June 1981.
14. "Energy Needs of the Less Developed Countries" (with Adnan Shihab Eldin) in F. Ammon and R. Wilson (eds.) Energy Demand and Efficient Use. Plenum Press 1981.
15. "Utilizing Petro-money: Prospects and Alternatives" (with Marwan H. Masri) Journal of Social Sciences Vol.3 No.2 December 1975.

[2] REPORTS [SELECTED]

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19. Discussant and Reviewer: Conference on Labor Mobility in the Middle East. Harvard University, February 1992.
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- CERI Oil Conference, Calgary, Alberta Canada April 22-24, 2007.
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 - Electrical Utility Systems and Practices in the United States. Vallejo, California. March 1993.
 - Conference on the Economics of the Middle East. World Bank, Washington D. C., October 1992.
 - Conference on Labor Mobility in the Middle East, John F. Kennedy School of Management. Institute for Social and Economic Policy in the Middle East. Harvard University. February 1992.
 - Conference on the Economics of Middle East Peace, John F. Kennedy School of Management. Institute for Social and Economic Policy in the Middle East, Harvard University, November 1991.
 - Annual meeting of the American Economic Association. Washington DC December 28-30, 1990.
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 - Annual meeting of the American Economic Association. New York, December 27-30, 1988.
 - International Association of Energy Economists. Ninth Annual International Conference, Calgary, Canada, June 6-8, 1987.
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 - Experts' Conference on Labor Utilization and Mobility in Arab Countries, ECSWA/API. Kuwait, November 1985.
 - The Joint Seminar of Specialists from the OAPEC Countries and the USSR Academy of Sciences, Moscow, November 1984.
 - The Gulf Energy Convention. Bahrain, March 28-29, 1984.
 - AEEE Summer Study on Energy Efficiency in Buildings. Santa Cruz, California, August 14-22, 1984.
 - OAPEC Symposium on Energy Conservation in the Arab World. Tunisia, December 12-14, 1983.
 - First Arab Conference on Diversifying the Sources of Income in the Arab Countries. Jordan, December 1982.
 - Second Arab Energy Conference. Doha-Qatar, March 6-11, 1982.
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- Strategic Energy Planning Task force, CEC May 1994-1998.
- Regional Security Issues: Peace and Water Issues in the Middle East. IGCC, University of California, Los Angeles, June 1993.
- Regional Security Issues: Water and Energy in the Middle East; Student Pugwash USA’s National Chapter Conference: Environmental Linkages to Security and Development, U.C. Berkeley January 1992.
- Seminar at San Francisco State University: Female Employment and Economic Development May 1991.
- Lecturer and Discussant: Development Planning and Privatization Seminar. The Arab Planning Institute, May 13-17, 1989.
- Presented a public lecture on Food Security in Kuwait at Kuwaiti Economists Society and Kuwaiti Graduates Society. February 7th, 1984.
- Lecturer the Size and Structure of Kuwait’s Labor Force: Ways and Means of Enhancing Labor Efficiency. Ministry of Social Affairs and Labor. April 10, 1985.
- A Policy Report: Kuwait’s Labor Market Trends and Prospects. Commissioned by: Studies and Research Center of the Amiri Diwan; State of Kuwait- October 1987.
- Public lecturer: Kuwait’s Consumption Pattern and Social Waste. Public Authority for Applied Education, Kuwait April 5, 1988.
- Kuwait’s Labor Market: Current and Futuristic Trends. Invited Lecturer, The National Bank of Kuwait, April 27, 1988.

PERSONAL

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