

CURRICULUM VITAE

Sulayman S. Al-Qudsi

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Corresponding Address:

Techno-Economics Division

Kuwait Institute for Scientific Research, KISR

P.O. Box 24885 Safat-13109, Kuwait.

E-mail: sshqudsi@gmail.com

(+965) 9724-2902

CURRENT POSITION

- Principal Research Specialist, Kuwait Institute for Scientific Research. Advise management on strategic research in a dynamically unfolding global environment. Train research staff and act as a research lead and role model.

PREVIOUSLY HELD POSITIONS (1988-2015)

- Advisor to the CIO and Deputy CEO: Gulf Investment Corporation-Kuwait (October 12th 2014 to Present)
- Division Head of two Divisions, Economics and Strategy and GCC Equity, that were merged into one Division named Research Division: Gulf Investment Corporation-Kuwait (April 27, 2014-October 11th 2014)
- Chief Economist & Head of the Economics & Strategy Division: Gulf Investment Corporation-Kuwait (July 1st 2010-April 27th 2014)
- Chief Economist & Research Department Head, Arab Bank, plc-Jordan: October 1st 2007-June 30th 2010.
- Senior Research Director, Canadian Energy Research Institute, Calgary, Alberta, Canada. & Professor of CERI Courses at the Department of Economics, University of Calgary (August 1st 2005-September 30th 2007).
- Senior Economic Advisor, National Center for Financial and Economic Information, Ministry of Finance, Kingdom of Saudi Arabia (Aug 1st 2000-July 30th 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 (May 1991-December 1997)
- Associate Professor, University of California, Davis (Fall 1989 to Winter 1994).

- Researcher, Kuwait Institute for Scientific Research, Grade 18 of 20 (KISR, 1987-1988)

CURRENT & RECENTLY-HELD POSITIONS: JOB DESCRIPTION

Current Responsibilities

- Advisor to the CIO and Deputy CEO of GIC: October 12, 2015 to the Present.
- Lead the Research Division at GIC which resulted from the merger of two divisions, Economics and Strategy Division and GCC Equity Division: April 27, 2014-October 2014..
- Lead the GIC Counterpart Team in the Joint Study with The Conference Board (TCB) on “Leading and Coincidental Economic Indicators for the GCC Economies”.
- Lead the GIC-TCB Study on GCC-CEOs Challenge 2013 and 2014. This is the first joint collaboration effort with The Conference Board in the GCC Region to survey GCC CEOs regarding challenges they encounter.
- Director of the Joint study between the GIC and the Federation of GCC Chambers (FGGC) on “Enhancing the Role of the Private Sector in the GCC Economies” February-2013-Present.
- Member of The Global Market Committee, Global and Regional Investment Committee and, the Principle Investment Committee. The Committees review economic & financial trends and policies, assess projects & recommend timely investments across sectors, niches, and space.
- Advise Management on emerging developments in Global and Regional Economies & Commodity Markets and assess ramifications to the GCC economies, equity and fixed income markets.
- Contribute the global and regional sections of the GIC monthly publication: *GCC Market Monthly*.
- Lead a team of experts and external consultants for the study “GCC Joint Investment Projects: Economic and Institutional Policy Measures to Promote Integration” . The study was commissioned by the *GCC-Secretariat* and was reviewed and approved by the *Finance Ministers of the GCC*, April 2012.
- Advise the CEO and Deputy CEO on research and economic and strategic matters and prepare keynote speeches and articles to international and regional media and periodicals.
- Produce economic and market reports covering Global and GCC developments on a monthly and bi-weekly basis. The reports are discussed at various levels including the bi-weekly and monthly Steering and Investment Committees.
- Produce weekly publications, GIC-WED—Weekly Economic Developments.
- Produce the GCC Economic Statistics, which is an annual publication covering national statistics in the GCC economies. Issue No. 13 was published December 2014.
- Articulate and manage research themes and control quality of output flows at the GIC Economic and Strategy Division.
- Contribute to the GIC Annual Reports, English and Arabic.
- Negotiate with third-party collaborative research including the Conference Board and S&P’s Rating Agency.

- Participate in Due Diligence activities and meetings with international rating agencies, media, publishers and magazines.

Responsibilities at the Arab Bank, plc (October 2007-June 2010)

- Participate in the Investment Committee Meetings that review global, regional and sector credit allocations, opportunities and risks.
- Lead Research Teams in producing reports on global economic & financial developments and ramifications to the Jordanian & the MENA economies.
- Produce the Arab Bank Weekly Economic Monitor, ABWEM, which analyzes global and regional developments & regional banking and financial markets.
- Lead the Production of Quarterly Reports on Jordan in the Arab Bank Series *Jordan Economic Review* (JER).
- Editor-in-chief of the Arab Bank Review *AB Review*, which is a referred academic Journal that is published bi-annually.
- Produce Occasional Papers on the GCC, the Mashreq and Maghreb countries that tackle emerging economic, commodity, & financial markets issues.
- Give presentations to international rating agencies and to delegates & missions from the IMF, the World Bank/IFC, the EU, and other country representatives on latest developments in Jordan & MENA economies.
- Provide research support to departments at the Arab Bank & its Branches.

Responsibilities at the University Of Calgary (Aug2005-Sept2007)

- Teach a Course on structural & cyclical analyses of international oil markets & impacts on Canadian oil sands developments. Fall 2006 & Winter 2007
- Teach a Course on Power Systems and Evolving Market Structures. The course deals with issues pertinent to Canadian & International natural power market restructuring, utility cost & demand structures, load pricing and dispatching, transmission & distribution investments. Fall 2006 & Winter Quarters 2007.
- Teach a Class on Changing Dynamics of International Oil Markets: The role of Emerging Economies. Summer 2006
- Serve as Member of two student exam committees, PhD and M.A.

Responsibilities at the Canadian Energy Research Institute (Aug2005-Sept2007)

- Lead research teams and advise management on R&D priorities, research plans and the orderly mergers of two U OF C research organizations.
- 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 CERJ Journal “*Geopolitics of Energy (GoE)*”
- Member of the Oil Price Forecast Committee: Monitor the impact of oil prices on Canadian, and regional economic growth.
- Project Lead: “Impact of long-term Asian oil-demand reduction scenarios on international oil prices”; Client: *Asian Development Bank*.
- Team Member: “Life Cycle Assessments of Nuclear Energy”. Project client: Canadian Nuclear Energy (CNA).

- Lead Economist of a proposal on the “Impact of oil-price fluctuations on operating costs of junior oil & gas producers in Canada”; Client: TD Bank Securities.
- Review periodic reports & analyses examining linkages between oil prices, oil sands industry growth.
- Co-Chair (with Marwan Masri) of 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 (Aug2000-July 2005) and earlier as a Senior Economist with the U.S. Department of Treasury Stationed in Riyadh JECOR Project USA-KSA (Jan1998-June2000)

- Advise Senior Management on international/regional developments & their impacts on the Kingdom’s macro, fiscal, financial and trade aggregates.
- Utilize time-series data and the Aremos econometric package in order to run and maintain the Fiscal Econometric Policy Model of Saudi Arabia and examine alternative policy conduits for enhancing 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.
- Study the economic efficiency of judicial system in Saudi Arabia and its influence on the investment climate and doing business.
- 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, California (May1991-Dec1997)

- Lead researcher in the area of competitive energy markets. The research included examination of the British electricity bids for the derivation of lessons that are germane to California’s electricity market.
- Simulate the likely economic impact of electricity restructuring on California’s economy.
- 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.

Classes Taught at the University of California (Fall1989 - Winter1994)

- 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.

EARLIER EMPLOYMENT HISTORY (1974-1987)

[Kindly Note that Two or More Employment Positions Indicated Below Overlapped or Were Jointly-held at the Same Time].

1. 1996-1997: Part-time Professor of Economics: Business School, Sierra College (Macroeconomic Theory)-Concurrent while full-time at the **California Energy Commission**.
2. 1987-88: Kuwait Institute for Scientific Research (KISR) Researcher Grade 18 of 20.
3. 1985-87: Associate Researcher Grade 17, Kuwait Institute for Scientific Research.
4. 1980-1984: Assistant Researcher Grades 15 & 16, Kuwait Institute for Scientific Research.
5. 1985-Spring: Acting Department Manager: Kuwait Institute for Scientific Research.
6. August 1979- July 1981: Assistant Professor of Economics: Kuwait University. Classes taught: Principles of Econometrics, Labor Economics, Introductory Economics and History of Economic Thought.
7. January 1979-June 1979: Lecturer of Economics: California State University, Sacramento (Intermediate Microeconomics).
8. 1974-1978: Teaching Assistant, Economics Department the University of California Davis (Macroeconomics & Microeconomics).

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; (Distinction with First-Class Honors.)
- June 1968: Top Student amongst all graduates of the General Secondary Education System, State of Kuwait.

CURRENT RESEARCH INTERESTS

- i. Global and Financial Economic Dynamics and Their Impact on the GCC & MENA Economies in the short, medium, and long terms.
- ii. Dynamics of Oil & Energy Market Developments & Their Macroeconomic Impact on the GCC and MENA Economies.
- iii. Utilizing a compendium of High Frequency Data and Time Series and Institutional Analyses in construction of Leading and Coincidental Economic Indicators for the GCC Economies.
- iv. Human Capital and Labor Market Intricacies in the MENA region.

COMPUTER CAPABILITY

- i. Econometric Packages: Stata 13 (continuous user since 1990); Aremos 5.3; Limdep 7.1; Eviews 5.1.
- ii. Data Management and Financial Analysis: Fast 123, @Risk; Decision-tree for Project Uncertainty Analysis.
- iii. Windows 7 Programs: Microsoft Word and Excel 2007, Allclear 1.2; ABC Flow Charter; Power Point 2007.

ADVISORY AND PROFESSIONAL CONSULTATIONS

1. March 2013 KFAS Energy Panel for Sustainable Energy Policy in the State of Kuwait. The Committee works with Chatham House and others to examine energy profile and policy options and to quantify and improve energy efficiency and track energy-economy interactions in Kuwait.
2. October 2005-June 2008: Economic Research Forum: "Coordinator: Oman's Country Profile Report".
3. July 2002: World Bank Study: "Labor & Education Vision 20/20", Saudi Arabia.
4. June 2001: Arab Planning Institute Study titled "the Returns to Investment in Human Capital in the Arab Countries", Kuwait.
5. 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".
6. Dec. 1996-Jan 1997: Harvard Institute for International Development (HIID): "Human Resources Development in the Middle East: Regional Strategies".
7. October-December 1996: Middle East Institute, Harvard: "Palestinian Refugees Project"
8. March-June 1996: World Bank Public Expenditure Review: "Labor Market and Structural Adjustment in Yemen".
9. April-September 1996: Member of the World Bank Team: Project title: "Towards Sustainable Growth in the West Bank and Gaza".
10. February-March 1995: World Bank Mission to Oman: Project with Ministry of Development: "Human Resources Development and Strategic Development Plan"
11. July 1993-October 1994: Arab Planning Institute Study titled "Wage, Income and Structural Adjustment Policies of Developing Economies".

12. August 1993-November 1993 International Labor Office “Arab Labor Markets: Trends Policies and Prospects” Commissioned for the UN’s 1995 Social Summit.
13. July 1992-October 1993: World Bank Study titled “A Survey of Arab Labor Markets”.
14. July 1989-October 1990: World Bank: “Female Employment in the Middle East.”
15. February-July 1986: Kuwait Foundation for the Advancement of Science (KFAS): Consultant to the Project titled: “Consumption in Affluent Oil Economies”.
16. January-May 1984: Organization of Arab Petroleum Exporting Countries (OAPEC): Modeling Energy Demand Patterns and Data Requirements.
17. July 1977-June 1978: Department of Health, Education and Welfare (DHEW): California Project: Economic Settlement of Indo-Chinese Immigrants in California.

COMMITTEE AND PROFESSIONAL MEMBERSHIP

1. Conference Board, Council Member of the European Council of Economists, November 2010 to the Present.
2. Academic Promotion Committee, Assistant to Associate Professorship Rank, College of Business Administration, Kuwait University May 2007-July 2009.
3. Program Coordinator Department of Economics-University of Calgary and Canadian Energy Research Institute October 2005-September 2007.
4. Modeling Committee, Canadian Energy Research Institute. September 2005-September 2007.
5. Commodity Price Forecasting Committee, Canadian Energy Research Institute, September 2005- September 2007
6. CERI Conferences Committee, Canadian Energy Research Institute, September 2005- September 2007
7. January 2003-March 2004: Ministry of Finance Budgetary Committee for Poverty Reduction Strategy in Saudi Arabia.
8. January 2000-August 2002: Advisory Committee on EU-GCC Free Trade Negotiations.
9. Jan1994-Jan1998: UCLA Business School: CEC Representative to UCLA Quarterly National and State Forecasting Project.
10. May 1994-December 1997: Strategic Energy Planning Task Force: California Energy Resources Commission.
11. 1992-1993: World Bank Charter Committee: Initiative to Encourage Economic Research in the Middle East.
12. 1993-Present: Life-time Research Fellow: Economic Research Forum for the Arab Countries, Iran and Turkey (ERF).
13. 1979-Present: The American Economic Association
14. 1990-Present: The Western Economic Association
15. 1986-1996:The International Association of Energy Economists
16. 1984-Present: The Middle East Economic Association
17. 1991-2003: California Association of Professional Scientists
18. 1986-1988: A Judge in the Awards Committees: The Kuwait Foundation for the Advancement of Science (KFAS).
19. 1989: Judge in the Arbitration Committee of the Best Annual Published Article:

- 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. Canada.
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 to Journal of Population Economics, January-Feb 2016
2. Referee for the Emirates Center for Strategic Studies and Research during the cycles of Jan-March 2012 and Jan-April 2013.
3. Referee for *ERF 17th* Annual Conference: Institutional Economics Theme, June 2010.
4. *ERF GDN Competition #7*: “Oil Prices & Economic Performance in the MENA Region”, World Bank/ERF Competition 2006.
5. Reviewer for Economics of Education Review, 2005
6. Reviewer for Geopolitics of Energy, 2005-2006.
7. Reviewer for the Middle East Studies Association, MESA Bulletin 2003.
8. Referee for the Tenth ERF Conference, Labor Market Program, 2003.
9. Technical Refereeing Committee, ERF Third Research Competition, 2001.
10. Journal of Development and Economic Policies 2001-2005.
11. Kuwait Foundation for the Advancement of Science, 2001.

12. Series of Economic Studies, Saudi Economic Association, 2000.
13. Journal of Applied Economics, 1998.
14. Middle East Journal, 1995-1997.
15. Asian and Pacific Migration Journal, 1995.
16. Middle East Economic Association Annual Volume, 1995
17. International Journal of Middle East Studies, 1994-1995
18. International Migration Review, 1991-1995
19. The MIT Press, 1992
20. Middle East Report, 1992
21. The Journal of Economic History, 1991
22. The Journal of Developing Areas, 1982-1989.
23. The Journal of Social Sciences, 1979-1990; 1997.
24. The Journal of the Gulf and Arabian Peninsula, 1981-1987
25. Journal of Science World, 1986
26. The Arab Journal of Social Sciences, KPI Ltd.-UK, 1987-1988
27. Middle East Association of North America, 1978.

ASSOCIATE EDITOR/ADVISORY BOARD MEMBER OF:

- Editor-in-Chief Arab Bank Review since August 2008 to June 2010.
- Senior Editor, Arab Bank Review October 2007-August 2008.
- Editor-In-Chief, *Geopolitics of Energy (GoE)*; Canadian Energy Research Institute March 2007-June 2010.
- *Journal of Development and Economic Policies*, Arab Planning Institute, Kuwait, 1997-Present.
- *Geopolitics Journal*, CERI, University of Calgary October 2005-February 2007.
- *Journal of Social Sciences*, Kuwait University, 1988-1990.
- *The Arab Journal of Social Sciences (Rutledge & KeganPaul)* 1988-1990.

CONTRIBUTIONS TO TRAINING

- Trained GIC Economics Division Staff on Stata 12 with emphasis on time series modeling methodology, economic, energy and financial interaction for policy analysis and on research reporting and professional writings.
- Trained Arab Bank Research Assistants on research methodology, economic and financial approaches and on applied econometric methods.
- Instructor of 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 nexus between economic growth-oil price volatility, education-labor market nexus and budget surveys 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 BY FIELD

[A] LABOR MARKETS & HUMAN RESOURCES

[A-1] Articles In International Journals & Referred Chapters

1. "Employment and Unemployment in the GCC Economies: Trends, Causes and Curative Policy Measures" *Saudi Economic Journal*, Vol. 41, Spring 2012.
2. "Education and Labor Market Engagement of Saudi Women: Achievements and Challenges" *Saudi Economic Journal*, Vol. 38, Autumn 2010.
3. "Arab Demography and Health Provision Under Stressed Economies" in Ahmad S. Teebi (Editor) *Genetic Disorders among Arab Populations*, Springer-Verlag Berlin Heidelberg, 2010.
4. "International Migration: Causes & Consequences" UNESCO Regional Office Beirut, *Arab Economics Encyclopedia* Vol. 4, 2007.
5. "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.
6. "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.
7. "Family Background, School Enrollments and Wastage: Evidence from Arab Countries" *Economics of Education Review*, Vol. 22 (6), 2003.
8. "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.
9. "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.
10. "Profiles of Refugee and Non-Refugee Palestinians from the West Bank and Gaza" *International Migration* Vol.: 138 (4) 2000.
11. "The Demand for Children in Arab Countries: Evidence from Panel and Count Data Models" *Journal of Population Economics*, Vol. 11, 1998.
12. "Labor Participation of Arab Women: Estimates of the Fertility to Labor Supply Link" *Journal of Applied Economics*, Vol. 30, 1998.
13. "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
14. "Labor Markets in the GCC". *The Emirates Center for Strategic Studies and Research* Lecture Series No. 56. May 1998.
15. "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.

16. "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.
17. "Economic Issues in the Labor Participation of Arab Women in Kuwait". The Industrial Bank Research Series Vol. 47, 1996.
18. "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.
19. "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.
20. "The Challenges of Unemployment in the Arab Region" (with R. Shaban and R. Assaad) International Labor Review, Vol. 134 No. 1, 1995.
21. "Asian Women Workers in Kuwait" (with Shah N. & Shah M.). International Migration Review. Vol. 25, No. 3 fall 1991.
22. "The Relative Economic Progress of Male Foreign Labor: The Case of Kuwait" (with N.Shah). International Migration Review. Vol. 25 No.1 Spring 1991.
23. "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.
24. "Returns to Education, Sectoral Pay Differentials and Determinants in Kuwait". Economics of Education Review, Vol. 8, No. 3 1989.
25. "The Changing Characteristics of Migrant Workers in Kuwait"(with N. Shah). International Journal of the Middle East. Vol. 21:1 1989.
26. "The Economics of General and Higher Education: The Case of Kuwait" (with A. Fangary). Industrial Bank Research Series, No. 30 1988.
27. "Sex Discrimination in the Labor Market of Kuwait" (with D. Hosni). International Journal of Manpower, Vol. 9, No. 3, 1988.
28. "Basic Needs and the Manpower Dilemma of Kuwait" (with D. Hosni). International Journal of Manpower, Vol. 7, No. 4 1986.
29. "Kuwait's Labor Supply: Characteristics and Determinants" (with D. Hosni) in Labor Utilization and Mobility in Arab Countries, United Nations/ Arab Planning Institute, 1986.
30. "Investment in Human Capital and Labor Supply Functions in Kuwait" (with D. Hosni) Journal of Arab Future, Vol. (5) 1986.
31. "Earnings Differences in the Labor Markets of Oil-Rich Economies: The Case of Kuwait". Journal of Development Economics, Vol. 18, No-2, 1985.
32. "Expatriate Labor in the Gulf: its Characteristics and Impact"(with M. Girgis) Finance and Industry. Vol. 6, 1985.
33. "Economics of Human Capital Investment in Kuwait". Journal of The Gulf and Arabian Peninsula Studies, No. 32, October 1982.

[A-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) 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) : 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" 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" 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" National Center for Financial and Economic Information, Ministry of Finance, Saudi Arabia, September 2000.
11. "Employment and Unemployment Trends in Arab Countries", 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.

[B] NATURAL RESOURCES AND THE ENVIRONMENT

[B-1] Journal And Chapter Articles

1. "The Challenges Facing the GCC Economies Under New Global Economic and Energy Environments" Geopolitics of Energy Vol. 36, Issue 3 March 2014.
2. "Oil Price Movements and their Impact on the Arab Economy" (with Magdy Ali) in *The Oil Era: Emerging Challenges ECSSR*, Abu Dhabi, 2011.
3. "Oil and Commodity Price Volatility: Origins and Impact on the Arab Economy and Equity Markets" the Geopolitics of Energy, Vol. 32 (5) May 2010.
4. "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
5. "The GCC Economies: Rising Opportunities and Pending Challenges" the Geopolitics of Energy (GoE) Volume 30 (1) January 2008
6. "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.
7. "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.
8. "The Economics of Water Use and Management in the Middle East" in S. Spiegel (ED.) Practical Peacemaking in the Middle East. Garland Publishers, 1995.
9. "The Electricity Demand Pattern in Kuwait's Residential Sector". OPEC Review, Vol. 9, No. 3 1989.
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24. Session Organizer: Palestinian Refugees, Migrants and Peasants, Middle East Economic Association, January 5-8, 1995.
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- KIA Conference on "Investing in Uncertain Times" KIA\AFS&ED, Kuwait December 2012.
- Brookings AEP Conference September 2008, Washington D.C.
- CERI Oil Conference, Calgary, Alberta Canada April 22-24, 2007.
- Economic Research Forum, ERF, 13th Annual Conference, Kuwait December 15-19, 2006.
- CERI Electricity Conference October 16-17, 2006
- CERI Oil Conference, April 2006.
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- CERI Electricity Conference October-November 2005.
- First Conference of Ex-Senior Researchers and Advisors who helped build the Kuwait Institute for Scientific Research, Kuwait February 2004.
- "Economics of Human Capital in the Arab Countries". Arab Planning Institute 2001, Kuwait
- "Labor Market in Saudi Arabia", Saudi Economic Association Annual Meeting, Riyadh October 2000.

- “Modeling and Organizing Arab Labor Markets and Dynamics of Arab Labor Mobility”. Arab Planning Institute & Arab Labor Organization. Cairo May 1997.
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- AEA/MEEA Annual Meeting, San Francisco, January 1996.
- AEA/MEEA Annual Meeting, Washington, DC January 1995.
- API Professional meeting: Survey of Recent Developments in Economic Theory Underlying Economic Policies with Emphasis on Stabilization and Structural Adjustment Policies. Arab Planning Institute, Kuwait 4-6 June 1994.
- First Annual Conference on Development Economics, Cairo Egypt June 2-5 1993.
- Middle East Multilateral Conference. Center for International Relations (IGCC). University of California, Los Angeles. June 6-8 1993.
- 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.
- Annual meeting of the American Economic Association. Atlanta, Georgia, December 27-30, 1989.
- 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.
- International Association of Energy Economists. Eighth Annual International Conference, Tokyo, Japan, June 5-7, 1986.
- Eastern Economic Association: 12th Annual Convention. Philadelphia, April 10-12, 1986.
- The First International Conference on Economic Modeling. London Business School, London, March 1986.
- The Arab World in 1995: Tenth Annual Convention. Center for Contemporary Arab Studies. Georgetown University, Washington DC April 25-26, 1985.
- 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.
- OAPEC-ENI Seminar on “Development through Cooperation,” Rome, Italy, 1981.
- OAPEC Symposium Energy Forecasting in the Arab World. Kuwait, December 14-16, 1980.
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- International Financial Crisis: Causes, Consequences and Impact on Jordan and MENA. Arab Bank Participation in International Youth Day August 12, 2009. Shoman Foundation.
- Executive Leadership Roundtable, “Managing Growth When Talent is Scarce and Costs are high: What Are the Keys to Success? Who’s Making Progress and How?” Access Group Roundtable Calgary, Alberta, Canada. May 2007.
- Saudi Economic Association and Chambers of Commerce March 2002.
- The Emirates Center for Strategic Studies and Research. May 31, 1997.
- 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

- Marital status: married with three children.
- Dual Citizenship: Jordan & USA.