

CURRICULUM VITAE (Sept 2023)

Sulayman S. Al-Qudsi

Corresponding Address:

Techno-Economics Division

Kuwait Institute for Scientific Research, KISR

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

E-mail: squdsi@kisir.edu.kw

sshqudsi@gmail.com

Work Phone: (+965) 24956730

Mobile: (+965) 9724-2902

CURRENT POSITION: Principal Research Specialist Techno-Economics Division, Kuwait Institute for Scientific Research (March 2016.Present). **Duties Include:**

- Advise TED management on emerging strategic research areas including real time research in a dynamically unfolding global and regional environments. Lead Contributor to crafting TED's Ninth Research Plan, 2018.
- Principal Investigator of a study commissioned by the Admin Board of Abdullah Salem University to assess gaps in digital skills and propose five initial research centers and four major AI and digital technology colleges that thematically and temporally address these gaps, completed February 2023.
- Project lead of a KISR Study on Productivity and Growth: Anchors for Kuwait's digital transformation Vision, 2035. Completed April 2023.
- Principal Investigator of a Joint Study with LSE on Trade, Diversity and Economic Development in Kuwait 2021-2022. Completed November 2022.
- Main Author of a Proposal to KFAS on Kuwait Healthcare: Current and Future Health Expenditure Patterns. TE060K, 2021-2022 (PL : A. Al-Awadhi).
- Member of TED-housed Panel that reviews research proposals submitted by researchers at all levels of seniority. Meet clients in government agencies and private enterprises.
- Lead a Large Team of Research Scientists and Professionals on the Project dealing with "The 2020 coronavirus Outbreak and Impact on the Kuwaiti Economy" TE062C. Completed April 2021.
- Propose novel research areas and implement developmental and policy-relevant projects on productivity, skill formation, leading indicators, investment, competitiveness, financial, energy commodity, and economic volatility and growth impact. Project is KFAS Funded.
- Member of DG-designated TED Committee, TED Project Review Member, PRM.
- Lead resource for the purpose of training and fostering the development of future research leaders from amongst pools of youthful statistician, information technology specialists and programmers, and economists. Bi-weekly meetings and Annual Training Courses.
- Principal Research lead (PI) of TED's study on Private Investment Determinants and Promotion in core sectors. The study is funded by KFAS (P-KISR-05-14).
- Lead resource of the proposed research on "Land prices, land gradients, urban development and the volatility transmission across real estate-oil-and equity

markets”. The project is seminal utilizing a suite of spatial and time series modelling in order to address policy and investor-related queries (Proposal Stage Approved by PRM PL. Adel Naseeb).

- Act as an associate editor\board member and reviewer for a couple of regional and international journals. Produce publishable research outputs as time permits while maintain the role a research advisor and mentor for prospective research leaders.

PREVIOUSLY HELD POSITIONS 1988-2015 {Note Some positions were held concurrently}

- Chief Economist of the Gulf Investment Corporation, GIC. However, GIC underwent structural changes following the departure of its former CEO. As a result, I assumed two successive roles as follows:
 - (1) Advisor to the CIO and Deputy CEO: Gulf Investment Corporation-Kuwait (Oct2014 to June 2015)
 - (2) 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, 2014-Oct2014).
- Chief Economist & Head of the Economics & Strategy Division: Gulf Investment Corporation-Kuwait (July2010-April 2014)
- Chief Economist & Research Department Head, Arab Bank, plc-Amman-Jordan July 2007-June 2010.
- Senior Research Director, Canadian Energy Research Institute, Calgary, Alberta, Canada. & Professor of CERI Courses at the Department of Economics, University of Calgary (July2005-June2007).
- Senior Economic Advisor, National Center for Financial and Economic Information, Ministry of Finance, Kingdom of Saudi Arabia (July2000-July 2005).
- Senior Economist, U.S. Department of the Treasury: U.S-Saudi Arabian Joint Commission for Economic Cooperation, (January 1999 to June 2000).
- Senior Economist, the California Energy Resources Commission (May 1991-December 1998)
- Associate Professor, University of California, Davis (Fall 1989 to Winter 1994).
- Researcher, Kuwait Institute for Scientific Research, Grade 18 of 20 (KISR, 1987-1988)

RECENTLY HELD POSITIONS: Brief Job Description:

GIC Chief Economist (July 2010-June2015) Professional Responsibilities at GIC:

- Chief Economist of GIC. The Corporation underwent structural change following the departure of its former CEO Mr. Hisham Razzuki. Consequently, was asked to assume two roles:
 - (1) Advise management CEO and CIO and Deputy CEO of GIC: Oct2014 to June 2015.

- (2) Lead the Research Division at GIC which was engineered following the merger of two divisions, Economics and Strategy Division and GCC Equity Division: April 2014-Oct 2014.
- Lead the GIC Counterpart Team in the seminal 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 Challenges 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.
- 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.

Chief Economist, The Arab Bank, plc (July 2007-June 2010): Professional Responsibilities:

- Provide investment and economic advice to management on a wide –range of global, markets, regional, and Jordan-specific financial, economic and geo-political issues.
- Participate in the Investment Committee Meetings through preps 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 (June2005-June2007)

- 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 (June2005-July2007)

- 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: “The Economics of Canadian East-West Transmission Grid”.
- Editor-In-Chief of CERI Journal “*Geopolitics of Energy (GoE)*”
- Member of the Oil Price Forecast Committee: Monitor the impact of oil prices on global, 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 cliental: 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 and oil sands industry growth.
- Lead economist of the project titled “Imagine Calgary”, 2005-2006.

- Co-Chair (with Marwan Masri) of CERI'S Electricity Conference, Canadian Energy Research Institute, October 2006.
- Chair CERI'S Electricity Conference, Canadian Energy Research Institute, CERI, October-November, 2005.

Responsibilities at the National Center, KSA (June2000-July 2005) and earlier as a Senior Economist with the U.S. Department of Treasury Stationed in Riyadh JECOR Project USA-KSA (Jan1999-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 (May1991-1998)

- 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 and Distributional Impact, 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 of the General Secondary Education System, State of Kuwait.

CURRENT RESEARCH INTERESTS

- i. Digitalization and Energy Transition: Their Speed and Impact on GCC Future Sustainability.
- ii. Education Technology and the Fostering of Human Capital in Kuwait and the GCC Countries.

- iii. Role of Trade on Products Innovation and Diversity Pathway in Kuwait and the GCC Economies.
- iv. Design of SMEs and Heterogenous Company Surveys for Productivity and Technical Efficiency Analysis.

COMPUTER CAPABILITY

- i. Econometric Packages: Stata 18; plus working knowledge of Eviews 11; Aremos ; Limdep.
- ii. Data Management and Financial Analysis: Fast 123, @Risk; Decision-tree for Project Uncertainty Analysis.
- iii. Safari Version 16.5.2 for MacBook 14; Microsoft Word and Excel, and Power Point, as well as Allclear 1.2; ABC Flow Charter.

ADVISORY AND PROFESSIONAL CONSULTATIONS

1. KFAS PRIZE: Member of the Nomination Committee of Potential Eligible Arab Scholars for the Kuwait Prize, 2018, 2020.
2. KFAS PRIZE: Member of the Nomination Committee of Potential Eligible Arab Scholars for the Kuwait Prize, 2022.
3. August 2020 Participated with KFAS as a Keynote Speaker: KFAS Private Sector Forum with Business leaders and policy makers to combat Coronavirus-inflicted recession. KFAS Webinar.
4. July 2011-April 2015 Collaborated between the Conference Board of New York and Mr. Hisham Al-Ruzzugi in order to produce sustainable research agenda for the GCC economies and the blueprints that eventually led to the creation of Conference Board Gulf Center.
5. 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.
6. October2005-June 2008: Economic Research Forum: “Coordinator: Oman’s Country Profile Report”.
7. July 2002: World Bank Study: “Labor & Education Vision 20/20”, Saudi Arabia.
8. June 2001: Arab Planning Institute Study titled “the Returns to Investment in Human Capital in the Arab Countries”, Kuwait.
9. December2000-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”.
10. Dec. 1996-Jan1997: Harvard Institute for International Development (HIID): “Human Resources Development in the Middle East: Regional Strategies”.
11. October-December 1996: Middle East Institute, Harvard: “Palestinian Refugees Project”
12. March-June 1996: World Bank Public Expenditure Review: “Labor Market and Structural Adjustment in Yemen”.
13. April-September 1996: Member of the World Bank Team: Project title: “Towards Sustainable Growth in the West Bank and Gaza”.

14. February-March 1995: World Bank Mission to Oman: Project with Ministry of Development: “Human Resources Development and Strategic Development Plan”
15. July 1993-October 1994: Arab Planning Institute Study titled “Wage, Income and Structural Adjustment Policies of Developing Economies”.
16. August 1993-November 1993 International Labor Office “Arab Labor Markets: Trends Policies and Prospects” Commissioned for the UN’s 1995 Social Summit.
17. July 1992-October 1993: World Bank Study titled “A Survey of Arab Labor Markets”.
18. July 1989-October 1990: World Bank: “Female Employment in the Middle East.”
19. February-July 1986: Kuwait Foundation for the Advancement of Science (KFAS): Consultant to the Project titled: “Consumption in Affluent Oil Economies”.
20. January-May 1984: Organization of Arab Petroleum Exporting Countries (OAPEC): Modeling Energy Demand Patterns and Data Requirements.
21. 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-April 2015.
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. Journal of Science and Technology, March 2022.
2. Journal of Population Economics December 2016-March 2017.
3. Reviewer, Journal of Economics World New York, July 2016.
4. Referee Energy Strategy Reviews November 2016.
5. Referee for the Emirates Center for Strategic Studies and Research during the cycles of Jan-March 2012 and Jan-April 2013.
6. Referee for *ERF 17th* Annual Conference: Institutional Economics Theme, June 2010.

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

ASSOCIATE EDITOR/ADVISORY BOARD MEMBER OF:

- Editorial Board, *Journal of Economics World* New York, July 2016-Present.
- 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*, CERJ, University of Calgary October 2005-February 2007.
- *Journal of Social Sciences*, Kuwait University, 1988-1990.
- *The Arab Journal of Social Sciences (Routledge & KeganPaul)* 1988-1990.

CONTRIBUTIONS TO TRAINING

- Trained TED-KISR Professionals on Stata 16-18 and on conceptual and research methodologies and applications. Trained GIC Economics Division Staff on research methodologies for the banking and financial sectors and provided rigorous training and follow-ups on modelling and data management using Stata 12 with emphasis on time series modeling methodology, economic, energy and financial interaction for policy analysis and on research reporting and professional writings.

- Contributed to generating research leaders that took responsibility for the weekly, monthly, and occasional research series at GIC including GICWED which continues to be internally published to-date.
- 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 THEME

[A] LABOR MARKETS & HUMAN RESOURCES

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

1. "COVID-19 Shock 2020: Impact on Foreign and Kuwaiti Workers and Contrasts with Employment, Earnings and Consumption During Normal Times (With A. Al-Awadhi, M. Ali, S. Al-Fulaij) Middle East Development Journal RMDJ, 2023. Article ID: RMDJ August.
2. "Employment and Unemployment in the GCC Economies: Trends, Causes and Curative Policy Measures" Saudi Economic Journal, Vol. 41, Spring 2012.
3. "Education and Labor Market Engagement of Saudi Women: Achievements and Challenges" Saudi Economic Journal, Vol. 38, Autumn 2010.
4. "Arab Demography and Health Provision Under Stressed Economics" in Ahmad S. Teebi (Editor) Genetic Disorders among Arab Populations, Springer-Verlag Berlin Heidelberg, 2010.
5. "International Migration: Causes & Consequences" UNESCO Regional Office Beirut, Arab Economics Encyclopedia Vol. 4, 2007.
6. "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.
7. "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.
8. "Family Background, School Enrollments and Wastage: Evidence from Arab Countries" Economics of Education Review, Vol. 22 (6), 2003.

9. "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.
10. "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.
11. "Profiles of Refugee and Non-Refugee Palestinians from the West Bank and Gaza" International Migration Vol.: 138 (4) 2000.
12. "The Demand for Children in Arab Countries: Evidence from Panel and Count Data Models" Journal of Population Economics, Vol. 11, 1998.
13. "Labor Participation of Arab Women: Estimates of the Fertility to Labor Supply Link" Journal of Applied Economics, Vol. 30, 1998.
14. "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
15. "Labor Markets in the GCC". The Emirates Center for Strategic Studies and Research Lecture Series No. 56. May 1998.
16. "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.
17. "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.
18. "Economic Issues in the Labor Participation of Arab Women in Kuwait". The Industrial Bank Research Series Vol. 47, 1996.
19. "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.
20. "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.
21. "The Challenges of Unemployment in the Arab Region" (with R. Shaban and R. Assaad) International Labor Review, Vol. 134 No. 1, 1995.
22. "Asian Women Workers in Kuwait" (with Shah N. & Shah M.). International Migration Review. Vol. 25, No. 3 fall 1991.
23. "The Relative Economic Progress of Male Foreign Labor: The Case of Kuwait" (with N.Shah). International Migration Review. Vol. 25 No.1 Spring 1991.
24. "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.
25. "Returns to Education, Sectoral Pay Differentials and Determinants in Kuwait". Economics of Education Review, Vol. 8, No. 3 1989.
26. "The Changing Characteristics of Migrant Workers in Kuwait"(with N. Shah). International Journal of the Middle East. Vol. 21:1 1989.
27. "The Economics of General and Higher Education: The Case of Kuwait" (with A. Fangary). Industrial Bank Research Series, No. 30 1988.

28. "Sex Discrimination in the Labor Market of Kuwait" (with D. Hosni). International Journal of Manpower, Vol. 9, No. 3, 1988.
29. "Basic Needs and the Manpower Dilemma of Kuwait" (with D. Hosni). International Journal of Manpower, Vol. 7, No. 4 1986.
30. "Kuwait's Labor Supply: Characteristics and Determinants" (with D. Hosni) in Labor Utilization and Mobility in Arab Countries, United Nations/ Arab Planning Institute, 1986.
31. "Investment in Human Capital and Labor Supply Functions in Kuwait" (with D. Hosni) Journal of Arab Future, Vol. (5) 1986.
32. "Earnings Differences in the Labor Markets of Oil-Rich Economies: The Case of Kuwait". Journal of Development Economics, Vol. 18, No-2, 1985.
33. "Expatriate Labor in the Gulf: its Characteristics and Impact"(with M. Girgis) Finance and Industry. Vol. 6, 1985.
34. "Economics of Human Capital Investment in Kuwait". Journal of The Gulf and Arabian Peninsula Studies, No. 32, October 1982.

[A-2] REPORTS [Selected]

1. Kuwait Labor Market Dynamics during the Coronavirus Pandemic Policy: Lessons learnt from TED's CEO Survey, Labor Force Survey and Household Survey". March 2020. The Paper received the ERF Award for Best Paper at the Conference "ERF Conference on The GCC Economies in the Wake of Covid19, March 9-10, 2021".
2. "Labor Demand in the Oil-Sands Economy of Alberta: Methodological Issues". Canadian Energy Research Institute, Canada October 2006.
3. "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.
4. "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.
5. "The Distributive Efficiency of the Social Safety Nets in the Arab Economy" Arab Planning Institute Working Paper 0202, 2002 Kuwait.
6. "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.
7. 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.
8. 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.
9. "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.

10. "The Next Saudi Population Census: Technical, Demographic and Economic Issues" National Center for Financial and Economic Information, Ministry of Finance, Saudi Arabia December 2001
11. "The Pension Systems and the Labor Market in Saudi Arabia" National Center for Financial and Economic Information, Ministry of Finance, Saudi Arabia, September 2000.
12. "Employment and Unemployment Trends in Arab Countries", National Center for Financial and Economic Information, the Ministry of Finance, Saudi Arabia, July 1999.
13. "Economics of the West Bank and Gaza Refugees" Harvard Project on Refugees. April 1997.
14. "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.
15. "Yemen's Public Sector, Wage Bill and the Deficit" (with I. Diwan). World Bank Research Report, 1996.
16. "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.
17. "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.
18. "Labor Markets and Structural Adjustment Policies: Implications to Developing and Arab Countries". Arab Planning Institute, 1994.
19. "Micro-economic Analysis of Labor Markets in Jordan and Kuwait". First Annual Conference on Development Economics, Cairo. June 1993.
20. "Expansion of Female Employment, Country Case Study: Kuwait". A Study Prepared for the World Bank, Contract No. LN315, July 1990.
21. "Kuwait's Population and Labor Profiles" (Task Leader, ED-15) KISR 3148, September 1989.
22. "Kuwait's Subsidized Education and Training Sector: A Partially Jaundiced View" (Task Leader, ED-15), KISR-3146, September 1989.
23. "Population, Employment and Education: Present Structure and Prospects for Future Development" (with N. Choucri) KISR/CMT Report, June 1988.
24. "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. "Export diversification and economic growth in Kuwait: evidence from time series and field survey analyses" (With A Stylianou Kalaitzi, A Al-Awadhi, and TW Chamberlain). *LSE Middle East Center*. Kuwait Program 2023.
2. "Simulating policy responses to multiple economic shocks: An experiment with combined impact of COVID-19 and oil price crash on Kuwait" (With AU Gelan and A AlAwadhi). *OPEC Energy Review* 2023.

5. "Digital transformation journey of GCC countries and the way forward" (Authors: Sulayman Al-Qudsi, Husam Arman, and Shaikha Al-Fulaij) in Handbook of Research on Building Greener Economics and Adopting Digital Tools in the Era of Climate Change IGI Global Book-Under Consideration, 2022.
6. "The Challenges Facing the GCC Economies Under New Global Economic and Energy Environments" (with Hiba Itani Koraytem) Geopolitics of Energy Vol. 36, Issue 3 March 2014.
7. "Oil Price Movements and their Impact on the Arab Economy" (with Magdy Ali) in The Oil Era: Emerging Challenges ECSSR, Abu Dhabi, 2011.
8. "Oil and Commodity Price Volatility: Origins and Impact on the Arab Economy and Equity Markets" the Geopolitics of Energy, Vol. 32 (5) May 2010.
9. "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
10. "The GCC Economies: Rising Opportunities and Pending Challenges" the Geopolitics of Energy (GoE) Volume 30 (1) January 2008
11. "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.
12. "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.
13. "The Economics of Water Use and Management in the Middle East" in S. Spiegel (ED.) Practical Peacemaking in the Middle East. Garland Publishers, 1995.
14. "The Electricity Demand Pattern in Kuwait's Residential Sector". OPEC Review, (Renamed Energy Economics) Vol. 9, No. 3 1989.
15. "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.
16. "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.
17. "The Dynamics of Alternative Energy Forms in the Gulf Countries". Industrial Bank Research Series, No.21, 1986.
18. "Energy Consumption in Kuwait's Residential Sector with Emphasis on Cooling" OAPEC Conference Proceeding on Energy Conservation in Arab Countries. Tunis 1983.
19. "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.
20. "Requirements for the Development of Additional Energy Sources". E.N.I. Development through Cooperation, Rome, 1981.
21. "Energy in the Arab World: Present Patterns and Future Trends" Journal of Social Sciences June 1981.

22. "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.
23. "Utilizing Petro-money: Prospects and Alternatives" (with Marwan H. Masri) Journal of Social Sciences Vol.3 No.2 December 1975.

[B-2] REPORTS [SELECTED]

1. KISR-LSE Report on Beyond Oil: Trade, Diversification, and Economic Growth (Principal Researcher of the project and Lead Developer of the Field Survey and Analysis of Companies enlisted by the Public Authority for Industry, PAI, November 2021.
2. Productivity and Economic Growth: Anchors of the Envisioned Kuwait Economy 2035 TE056 Project Lead; ongoing 2021-2023.
3. "The Economics of Canadian East West Transmission Grid" The Canadian Energy Research Institute, 2008.
4. "Long-term Electricity Capacity Planning for the Crown Utility in the Province of Saskatchewan, Canada": Canadian Energy Research Institute, January 2006.
5. "Energy Mega Trends and Their Long-term Implications for the Economy of Calgary: A Study for the City of Calgary", Canadian Energy Research Institute, November 2005.
6. "Cooperation Between Manitoba and Saskatchewan in the Electric Power Sector: Economic Impact and Energy Synergies" Canadian Energy Research Institute, October 2005.
7. "Levelized Costs of Alternative Energy Technologies for the Ontario Power Authority" Canadian Energy Research Institute September 2005.
8. "Energy Policy of the White House of the USA and Implications for Saudi Arabia". National Center for Financial and Economic Information, the Ministry of Finance, Saudi Arabia 2002.
9. "Restructuring the Electricity Sector of Saudi Arabia: Econometric and Institutional Issues". National Center for Financial and Economic Information, the Ministry of Finance, Saudi Arabia, 1999.
10. "Restructuring and the Independent Power Producers: The Economics of non-utility Suppliers" DOE-financed Report. California Energy Commission, California 1998.
11. "Economics of Solar Tax Credit" Development Division, California Energy Commission, P500-005, California 1997.
12. "Electricity Report" California Energy Commission Report (Contributor to CEC Electricity Committee), California Energy Commission, California 1997.
13. "Fuel and Energy Technology Diversity: Risks and Returns for California's Electricity Sector". (Jointly with M. Masri and B. Huffaker), California Energy Commission, 1995.
14. "An Economy-Wide Impact of Renewable Energy Technologies: A Quantitative Analysis". Research and Development Office. Energy Assessment Division. California Energy Commission, 1995.
15. "Energy Development Report". (Co-author with C. Davis) Technology Evaluation Office, California Energy Commission, 1995
16. "Internalizing Energy Externalities". (Co-author with T. Tutt) Demand Forecasting Office, California Energy Commission, 1994.

17. "The Economics of Energy Research and Development", R & D Office, California Energy Commission 1993.
18. "Energy Demand Side Management: A literature Review". Demand Forecasting Office, California Energy Commission. December 1991.
19. Collaborator (with N. Choucri and M. Lynch) "Energy Sector of Kuwait: Present Structure and Prospects for Future Development", KISR-CMT June 1988.
20. "A study of the Economic Impact of Changing the Structure of Electricity Pricing in Kuwait", (Project Leader, ED-8) KISR- 2346, June 1987.
21. "An Energy Demand Model for Kuwait", (TE-55), KISR-1671, Project Leader), 1985.
22. "Cost-Benefit Evaluation of Environmental Protection Projects in the Shuaiba Area". Co-author with M.Marzouk and M. Kaboudan, KISR - 1245, June 1983.

[C-1] FINANCIAL MARKETS & DEVELOPMENT ISSUES

[C-1] Journal And Chapter Articles

1. "A Strategic Framework to Analyze the East Asian Miracle within Triple Helix Model – Lessons for Kuwait" (with H Arman) Journal of Science and Technology, 2022.
2. "The GCC-Asia Fascinating and Expanding Economic Bonds" China Economic Review, Annual Forum Issue, April 2013.
3. Sovereign Wealth Funds of the GCC Countries: Role, Transparency and Global Impact" (with F. ElKharouf and S. Obeid) Asian Economic Papers: Volume 9 No.1 2010.
4. "Safeguarding the Future: The impact of the economic crisis on the banking industry in Jordan". Oxford Business Group July 2010.
5. "Oman Country Profile: The Road Ahead. Country Coordinator, Study Main author and Compiler, Country Report Series ERF, Cairo December 2008.
6. "Emerging Opportunities and Financial Risks" (Jointly with W. Samhour) in Oxford Business Group: Jordan Emerging Economy, 2008.
7. "Trade volatility, the Dollar Peg and Inflation in the GCC Countries: Some Preliminary Research Findings": Arab Bank Review Volume 10 (1) June 2008.
8. "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.
9. "The Economics of Transition to Peace" in Stanley Fischer, Dani Rodrick and Elias Tuma (eds.): The Economics of the Middle East Peace. MIT Press, 1993.
10. "Kuwaiti Commercial Banks: Challenges and Strategic Responses" (with Watkins et. al.) International Journal of Banking and Marketing Vol. 8, No. 1, 1990.
11. "Food Security in Kuwait". Journal of the Gulf and Arabian Peninsula Studies. Vol. XI, No. 46, 1986.
12. "An Empirical Evaluation of Consumption Behavior in Oil Societies: The Case of Kuwait". Pakistan Development Review. Vol. 18, No.1, 1984.
13. "The Impact of Income Redistribution on Industrialization, Employment and Growth in Kuwait". In M. Girgis (ED.) Industrial Progress in Small

- Oil-Exporting Countries: The Prospects for Kuwait. Westview Press, Boulder and London 1984.
14. "Income Distribution in Kuwait". Journal of Social Sciences, Special Issue, 1982.
 15. "Pre and Post Fiscal Distributional Patterns in Kuwait". Journal of Middle Eastern Studies, Vol. 17, No. 3, 1981.
 16. "Growth and Distribution in Kuwait: A Production Function Approach". Journal of Social Sciences. Vol. 8, No. 3, 1980.
 17. "Aspects of Bilateral Economic Cooperation between Kuwait and Sudan" The Kuwaiti Economist, July 1980.

[C-2] REPORTS [SELECTED]

1. Project Lead 2021 "The 2020 Coronavirus outbreak and Global Growth and Trade Collapse: Implications on Kuwait's Overall Economy and Society, Its Sectors and Business Firms and Vital Fiscal Recovery Plan" (CORONAVIRUS 92) TEO62C.
2. Task lead and principal investigator Kuwait Economic Bulletin (KEB) Composite Headline Indicators for Business Cycle Movements in Kuwait. (P-KISR-05-14) 2018.
3. Promoting Private Investment in Kuwait-KFAS-funded, Principal Investigator and author of the empirical sections, KISR 2018.
4. "Investment relationships in Kuwait: Public and Private Investment, FDI, Oil prices and GDP" Task IV Lead of KISR's report prepared for Kuwait Direct Investment Promotion Authority. Completed April 2017.
5. "Economic and Institutional Means to promote GCC Joint Investments Projects". Report requested by and submitted to the *GCC Secretariat*, Nov 2010.
6. "Global Economic Report" Issue 3, *AB Quarterly Global Report Series* Oct 2009.
7. "The GCC Economies: Recent Developments in the Long-term Strategic Context", *Arab Bank Occasional Papers* 9 August 2009.
8. "MENA Economic Downturns and Government Policy Actions"; *Arab Bank Occasional Paper* 7 June 2009.
9. "Jordan: Recent Developments & Sectoral Highlights". *Jordan Economic Review* Volume 1 (1) April 2008.
10. "Evolving Economic Issues in Jordan with Emphasis on Trade with Arab Countries": *Jordan Economic Review* Volume 1 (2) July 2008.
11. "Egypt inflation and Energy De-subsidization: Stress testing Scenarios": Arab Bank Occasional Paper Series OP No 1 August 2008.
12. "Bank Failures: Implications and Lessons" Arab Bank Occasional Paper Series OP No 2 September 2008.
13. ARAB Bank Weekly Economic Monitor (ABWEM) 116 Weekly Issues, March 2008 to June 2010.
14. "The Potential Role of Science & Technology in Accelerating Islamic Economic Growth", National Center for Economic and Financial Information, Ministry of Finance May 2005.
15. "The Steady State Growth Model and Fiscal Spending Implications for the Oil Economies: Lessons Derived from Recent IMF & Academic Publications"

- National Center for Economic and Financial Information, Ministry of Finance, October 2004.
16. "Convergence and Divergence in ESCWA Region; Implications for the GCC Economies" National Center for Economic and Financial Information, Ministry of Finance, June 2004.
 17. "A Technical Critique of the Macro-econometric Model of Saudi Arabian Monetary Agency" National Center for Economic and Financial Information, Ministry of Finance, July 2003.
 18. "Evolving Trade Patterns Between the GCC and EU: Implications for the GCC-EU Trade Agreements" National Center for Economic and Financial Information, Ministry of Finance; March 2003.
 19. "European Union Export Refunds Policies and Their Implications for the GCC-EU Bilateral Relations" National Center for Economic and Financial Information the Ministry of Finance, Saudi Arabia, April 2003.
 20. "Variability of GCC Exports and Implications for Macroeconomic Stability", National Center for Economic and Financial Information, the Ministry of Finance, Saudi Arabia, January 2002.
 21. "Saudi Arabia and the World Competitiveness Report" National Center for Financial and Economic Information, the Ministry of Finance, Saudi Arabia, May 2002.
 22. "Alternative Customs Revenue Sharing Schemes: The Case of the GCC Customs Union", National Center for Financial and Economic Information, the Ministry of Finance, Saudi Arabia March 2001.
 23. "The Efficiency of the Saudi Judicial System: Economic Development Implications". National Center for Financial and Economic Information, the Ministry of Finance, Saudi Arabia, June 2001.
 24. "Development Plans: The Fiscal, Financial and Monetary Performance and Targets" National Center for Financial and Economic Information, the Ministry of Finance, Saudi Arabia, July 2001.
 25. "Determinants of Foreign Direct Investment: Adapting Rules and Regulations Environments in KSA" National Center for Financial and Economic Information, the Ministry of Finance, Saudi Arabia, August 2000.
 26. "Fiscal Policy Model for Saudi Arabia: Economic Performance and the Future Outlook through 2001. The Annual Report to the Minister". National Center for Financial and Economic Information, the Ministry of Finance, Saudi Arabia, December 1999.
 27. "The Feed Industry in Saudi Arabia: Do Subsidies Matter?" National Center for Financial and Economic Information, the Ministry of Finance, Saudi Arabia, 1998.
 28. Contributor (with S. Chitale et. al.) "Yemen Public Expenditure Review". Country Operation Division. Country Department II: MENA Region, World Bank. 1996.
 29. "Budgetary Impact of Major Spending Programs in Kuwait" with S.Salih, A.M. Al-Shatti and B. Khalaf (ED-19) KISR, 1989.
 30. Contributor (with A. Amsden and O.Blanchard et.al.) "Macroeconomics and the Management of the Aggregates". The Kuwait Economy Study, KISR, June 1988.
 31. "An Analysis of Consumption Patterns in Kuwait". (Task Leader), KISR, May 1988.
 32. "Consumer Preferences and Marketing Strategies for Kuwait's Poultry Industry". Co-author with S. Saad, M. Abdel Halim, KISR 1987.

33. "Public Policies and Kuwait's Poultry Industry". Co-author with M.A. Halim.Y. Y. Al Ebraheem and S. Hamada, 1987.
34. "An Economic Analysis of Traffic Accidents in Kuwait". (Project Leader and co-author with Badria Khalaf et.al.), KISR 1986.
35. "An Economic Feasibility Study on Producing Animal Feed Protein from Lingo Cellulose Wastes". Co-author with Al-Shatti, A. and B. Khalaf. (Task Leader) KISR August 1986.
36. "Kuwait Macroeconomic Model". Co-author with I. Sirageldin and Y. Al-Ebraheem, et.al. KISR Report 2163, November 1986.
37. "Public Housing in Kuwait - Kuwait's Five Year Plan". Co-author with H. Taha, KISR 2163, November 1986.
38. "Analysis of Food Imports in Kuwait". (Project Leader) KISR 1309, April 1984.
39. "Utilizing Algal Bacterial System for Water Treatment in Kuwait" (Project Leader) KISR Report 1103, August 1983.
40. "Economics of Vegetable Production Using Municipal Wastewater through the Drip Irrigation System" (Project Leader) AG 42 KISR 1982.
41. "Economic Appraisal of Sheep Production from Confined/Open Rangeland Systems" (with M. Sartawi, G. Askari and F. Taha) AG-6 KISR 249 April 1981.

PANEL ORGANIZATION/CONFERENCE PAPERS

1. ERF Conference on The GCC Economies in the Wake of COVID19, March 9-10, 2021. Title of Presented Paper: "Kuwait's Labor Market Dynamics During the Coronavirus pandemic policy lessons from TED's CEO Survey, Labor Force Supply and Household Survey, 2020. The paper co-authored with 17 TED Colleagues received the top ERF Award for the Best Paper submitted at the Conference.
2. H. Arman, N Lee, S Iammarino, S Al-Qudsi, and M Asfour "Toward Promoting R&D Investment in Kuwait" Triple Helix Conference Cape Town S Africa 9-11 Sept 2019.
3. "Economic Growth Implications of Oil Price Fluctuations: The GCC Context" (with M. Ali) 15th Middle East Association Conference, March 23, 2016 Doha-Qatar.
4. "Paper Presentation: Economic and Financial Risks and Challenges Facing the GCC Economies in 2013 and Beyond" The First Quarterly Meeting of The Conference Board Economist Council March 14-15, Athens-Greece".
5. "Session Chairperson of Economic Research Forum Microeconomic Theme, ERF's 19th annual Conference, March 3-5, 2013-Kuwait".
6. Kuwait Investment Authority, KIA, Seminar on 2013 "Managing Inflation Risk" January Kuwait.
7. "Sovereign Wealth Funds and the Prospects of Investments Agricultural and Infrastructure Sectors for Sustainable Development" UNCTAD-WIR 13th Conference, Doha Qatar, April 2012.
8. "Recent Developments in the GCC Economies" Presentation at the Conference Board Europe Chapter Meeting, Rome, Italy, March 15, 2012.
9. "Oil linkages to Financial Markets: Implications to the Arab Economy" Presented at the *World Oil Council*, June 29-30 2011 London, UK.
10. "Implications of Arab Spring to Global Investments and Growth" Presentation at the Global & Regional Economic Review: *The Conference Board*, Madrid April 24-25, 2011.
11. "Corporate Governance: Emerging Issues & Ramifications to the GCC Region" GIC Premises, November 12 2010.

12. "Oil Linkages to Financial Markets: Impact on Arab Economies" *The Emirates Center of Strategic Studies and Research*, Nov 8-10 2010.
13. "The MENA Economies in Transition" presented at the *Credit Suisse Annual Meeting*, Beirut June, 8-11, 2010.
14. "Reform and Economic Performance of the Mashreq Economies," International Institute of Finance "Annual *MENA Economic Outlook*, Amman October 2009.
15. The Future Global Financial System: *World Economic Forum-ME* May 2009, Jordan Dead Sea
16. "International Oil & Gas markets and Implications to Arab Economies" Arab Bank-Shoman Foundation First Cooperation Symposium, July 2008.
17. "Oman Country Report: Labor Market Chapter" *ERF 13th Annual Meeting*, Kuwait December 15-19, 2006.
18. "East-West Canadian Transmission Grid: What Are the Challenges and Opportunities?" *CERI Electricity Conference*, Calgary Canada, Oct. 2006.
19. "Saudi Petrochemicals Industry: Emerging with Influence" *Annual Petrochemicals Conference*, CERI Kananaskis, Alberta June 2006.
20. "Family Resources and Parental Education as Determinants of Children's Educational Outcomes: The Context of Arab Families" Kuwaiti Economic Association, December 2004.
21. "Does The Labor Market (Partly) Explain The Output Decline In Saudi Arabia?" Saudi Economic Association 13th Annual Meeting, Riyadh October 2000 (with Abdulwahab Abu-Dahesh).
22. "Determinants of Education and Labor Participation of Yemeni Women" Middle East Economic Association, Annual Meeting, Chicago January 1998.
23. "The Gulf Labor Market: Policies for the 21st Century". The First Annual Gulf Economic Conference. Georgetown University-Center for Contemporary Arab Studies. September 26, 1996.
24. "The Economic Returns to Schooling in the West Bank and Gaza Strip- Revisited" (with Radwan A. Shaban). Conference on Labor Markets and Human Resources Development, Kuwait. September 16-18, 1996.
25. "Economic and Social Reform: Implications for Arab Labor Markets". Middle East Economic Association Annual Meeting, San Francisco, Jan.1996.
26. "Labor Participation of Arab Women: What do Macro and Micro Data Indicate?" Workshop on Labor Markets and Human Resource Development. Economic Research Forum. Cairo, June-July 1995.
27. Session Organizer: Palestinian Refugees, Migrants and Peasants, Middle East Economic Association, January 5-8, 1995.
28. "How Do Unemployment Rates and Unemployment Spells Affect Palestinians? A Comparative Study of Two Empirical Surveys." MEEA Meeting, January 5-8, 1995.
29. "Water in the Middle East: Profile, Policies and Prospects". The Multilateral Conference, Center for International Development (IGCC), UCLA, June 1993.
30. "Labor Markets in the Arab Countries: A Survey"(with R. Shaban and R. Assaad). First Annual Conference on Development Economics, Cairo. June 1993.
31. "Commonalties and Differences: Local versus Diaspora Palestinians"(with J. Olmsted). Annual Meeting of the Middle East Economic Association. Anaheim, January 1993.

32. Discussant and Reviewer: Conference on Labor Mobility in the Middle East. Harvard University, February 1992.
33. Discussant and Reviewer: The Economics of Middle East Peace. Institute for Social and Economic Policy in the Middle East, Harvard University. November 1991.
34. Discussant: Money, Consumption and Economic Adjustment in Turkey. Middle East Economic Association. Atlanta, Ga., 1989.
35. "Women's Status and Contribution to Development: The Case of Kuwait". The Middle East Studies Association. Toronto. November 1989.
36. "Income Distribution and Subsidy Profiles in the Oil Welfare States: The Case of Kuwait". The Middle East Studies Association of North America. November 1987.
37. "The Pattern of Energy Demand in Kuwait's Residential Sector". Eastern Economic Association Conference. Philadelphia, April 1986.
38. "Energy Systems and Their Applications, Data and Methods Used in Energy Planning and Supply/ Demand Forecast: OAPEC Experience". Joint Seminar of USSR Academy of Scientists and OAPEC Specialists. April 1984.

BOOK REVIEWS

1. Book Review of Mahmoud A. El-Gamal and Amy M. *Jaffe Oil, Dollars, Debt, and Crises: The Global Curse of Black Gold* Cambridge University Press 2010., *ERF Forum*-Vol. 17 No. 2 Summer 2010.
2. Sanbar, M. *Economic and Social Policy in Israel: The First Generation. The Journal of Economic History*, December 1991.
3. Jaber, F.S. *Technology: Those who own it and those who need it. Journal of Social Sciences*. June 1984.
4. Ismail, J.S. Kuwait: *Social Change in Historical Perspective*. Syracuse University Press in *Journal of Developing Areas* Vol. 18, No. 3, April 1984.
5. Hafele,W. *Energy in a Finite World: A Global Energy Systems Analysis* 1981. IIASA, Laxenberg, Vol. 1and 2. *Journal of Social Sciences*, March 1983.
6. B.Mossaver- Rahmani. *Revolution and Evolution of Energy Policies in Iran. Journal of the Gulf and Arabian Peninsula*, (Joint review with M. Sartawi) Vol. 29, 1982.
7. Arkadie's *Benefits and Burdens: A Report on the West Bank and Gaza Strip. Bulletin of the Middle East Association of North-America*, Vol. XII, No. 2, May 1978.
8. H.Nourse and R.Bish, *Urban Economics and Policies Analysis* 1975. *Journal of Social Sciences*, Vol. V, No. 3, October 1977.
9. Kelly and G. Williamson. *Lessons from Japanese Development* 1974. *Journal of Social Sciences*, Vol. No.4, January 1977.

PARTICIPATION IN CONFERENCES & LEARNT MEETINGS

- o ERF Conference on The GCC Economies in the Wake of COVID19, March 9-10, 2021.

- Triple Helix Conference Cape Town S Africa 9-11 Sept 2019 (Presented by H Arman).
- The Fifteenth Middle East Association Conference, March 23, 2016 Doha-Qatar.
- 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.
- CERI Petrochemicals Conference June 2006.
- 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.
- “The First Annual Gulf Economic Conference”. Georgetown University-Center for Contemporary Arab Studies. September 26, 1996.
- 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. API, 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.
- International Symposium on Advances in Agriculture in Arid and Semi-Arid Land. Kuwait, April 1980.
- Cooperation between Kuwait and Sudan: A symposium jointly organized between Kuwait University and Khartoum University. Sudan, March 1980.

COMMUNITY SERVICES & LECTURES

- "Arab Economy, Arab Education and Labor Market Outcomes" *Kuwaiti Economic Society*, December 16 2009.
- 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.