

SHORT BIOGRAPHY



Khaled A. A. Mahdi, PhD, PMP, CEng, GCCarb, P2F,

*serves professionally the academic, private
and public sectors locally, regionally, and worldwide.*

Government and Public Sector Experience, Khaled served as the Secretary-General of the Supreme Council for Planning and Development and the National Director of the Country Program Action Plan with UNDP in the Government of Kuwait in the period (2016-2024). He is responsible for building, advocating, and monitoring of the national development policies in Kuwait to achieve its 2035 vision, New Kuwait. He was a member of several boards and councils in the government, to name few: Council of Government Universities, Public Authority for Industries, Kuwait Institute for Scientific Research, Public Authority for Housing Welfare and Public Authority for Applied Education and Training. He served as a member in different high-level committees; Public-Private Partnership, Fiscal budgeting Frame, National Climate Change, Sovereign Rating Governance, National Demography and Labor Market and Anti-Corruption Strategy Implementation. Khaled led the national efforts to implement the **SDG Agenda 2030**, he presented the Voluntary National Report of Kuwait in 2019 and 2023 in the High-Level Political Forum in the UN as well as advocates empowerment for women, youth and people with disabilities in Kuwait. He established Kuwait Public Policy Center and its Nudge unit, National Knowledge Economy Center, National Development Research Centre and the SDG Observatory. He cofounded the Kuwait Women Distinguished Award (KDWA) and Kuwait Sustainable Development Award (KSDA). Khaled represented Kuwait regionally and internationally, Arab Planning Institutes, Global Green Growth Institute and World Bank Human Capital Plan. He received the “People First” Leader GCC HR Award in (2018) and several recognitions from national and international organizations.

Khaled was the Assistant Secretary General for the Follow-up and Future Forecasting and the Acting Assistant Secretary General for Planning in the General Secretariat of the Supreme Council for Planning and Development (2015). During which he headed the Consultants Selection Committee, board member of the Public Authority for Civil Information, Kuwait Master Plan 2040 executive committee, the Economic and Fiscal Reform monitoring committee.

Academic Experience, Khaled holds a PhD in chemical engineering (2000) from **Northwestern University** specialized on statistical mechanics of complex systems. He received his BSc. in chemical engineering (1993) from **University of Toronto** and his master's degree from **Illinois Institute of Technology** (1995). Khaled started his career working in Water Resource Division in the Kuwait Institute for Scientific Research before moving to Kuwait University to become Associate Professor of Chemical Engineering. He taught 30 different courses in engineering and management. Khaled has authored or co-authored more than 65 journals articles, book chapters, conference papers, a patent, and a book in different fields. His primary interest is modeling complex systems and process optimization. Khaled and collaborators established SYNERGY, a research group to study complex networks including social, biological, and financial networks. He received the Best Teaching Award in Kuwait University (2009).

Private Sector Experience, Khaled was the managing director and the chair of the board of the Construction Waste Recycle (BOT) project operated by the Environmental Preservation Industrial Company in Kuwait (2010-2013). He sat on several boards of industrial and consulting corporations in Kuwait such as Al-Dhow Environmental Projects Company, vice-chair of Arab International Industrial Projects and International Quarries Company, Focus Consultancy. Khaled is representing Kuwait Investment Authority as a board member to Kuwait Care for Hospital Management board as a first PPP project to manage public hospitals in Kuwait (2019). Kuwait Industries Union featured him as one of the exceptional Industrialists (2011)

Advisory and Training Experience, Khaled serves as a consultant for Kuwait University Academic affairs offices on Kuwait University Strategy in (2005). Later he served as an Advisor of the Minister of Planning and Development Affairs office in (2014). Khaled engaged in many consulting projects with several organizations such as UNCC, KNFP, KPC, EPIC, MOE, KIU, CMA and many others. He trained more than 1000 professionals and engineers in project management and leadership. He participated in more than 90 training courses since (2002) in the public and private sectors locally and regionally as well as internationally.

Professional Communities Experience, Khaled is a certified project management professional (PMP), PRINCE2 (Fundamental) and a Certified Consulting Engineer (CEng) as well as a certified GCC expert and commercial arbitrator. He is a senior member of American Institute for Chemical Engineers (1989) life-long member of Kuwait Society of Engineers (1993) Project Management Institute (2007), Kuwait Economic Society (2019) besides membership in several professional societies. Khaled cofounded, chair Kuwait Chemical and Petroleum Engineers league (2005), Kuwait Project Management Society (2015), Kuwait Innovation, and Technology Society (2018). He sits on the AUK's College of Business Administration and Economics Advisory board (2016), the Conference Board advisory board (2018) who he chairs recently, KU's college of Business Administration of Excellence in Management board (2021) and IDC Kuwait Advisory Council (2023).

OBJECTIVE

To serve with excellence the academic, private, and public sectors locally, regionally, and worldwide.

EDUCATION

Doctor of Philosophy, Chemical Engineering (2000)

Northwestern University, USA

Ph.D. Thesis: Phase Diagrams of Polyelectrolyte Solutions.

Supervisor: Prof. M. Olvera de la Cruz

Master of Chemical Engineering, Chemical Engineering (1995)

Illinois Institute of Technology, USA

M. ChE. Project: Adiabatic Flow of Dilute Polymeric Liquids Using Brownian Dynamic Simulations of FENE Dumbbells.

Supervisor: Prof. J. D. Scheiber

Bachelor of Applied Science, Chemical Engineering (1993)

University of Toronto, Canada

B.A.Sc. Thesis: Thermal and Sonochemical Liquefaction of Coal. Supervisor: Prof. C. Mims

Plant Design Project: Design of an Oil Extraction and Protein Isolates Pilot Plant. Supervisor: Prof. Diosady

Specialization:

Business Management (courses completed at University of Ottawa, Canada 1991)

Nuclear Chemical Engineering (completed at University of Toronto, Canada 1993)

PROFESSIONAL CERTIFICATIONS, MEMBERSHIPS AND AWARDS

PROFESSIONAL CERTIFICATIONS

- Project Management Professional (PMP), 451958, Project Management Institute, (2007-2017)
- Consulting Engineer (CEng), 818, Kuwait Society of Engineers, (2007)
- Certified Arbitrator and Expert (GCCarb), GCC Commercial Arbitration Centre, (2009)
- PRINCE2®: 2009 Foundation Certified, P2R/784886, UK Office of Government Commerce, (2011)

ADVISORIES

- IDC Kuwait Advisory Council, *Member* (2023-present)
- The Conference Board, *Advisory Board member* (2018-2023) *Chairman* (2024-present)
- College of Business and Economics, American University of Kuwait, *Advisory Board member* (2016-present)

MEMBERSHIPS

- Kuwait Economic Society, Member (2019)
- Kuwait Science, Technology, and Innovation Society, Founding member (2019)
- Kuwait Project Management Society, Founding member (2017)
- Society of Manufacturing Engineers, Member (2017)
- Society of Public Relations & Customer Service, Member (2017)
- Project Management Institute, Member; PMP (2005)
- Institute of Chemical Engineers, Associate Member AMIChemE (2005)
- American Institute for Chemical Engineers, Senior Member (1989)
- Kuwait Society of Engineers, Life-long member; CEng (1993)

AWARDS

- "People First" Leader Award, HR GCC, Abu Dhabi, UAE (2018)
- Best Teaching Award, College of Engineering and Petroleum, Kuwait University, Kuwait (2009)
- Outstanding Achievement in Bachelor Studies Award, the Embassy of the state of Kuwait, Washington D.C., USA (1993)
- Several recognitions for achievements from academic, civil societies and government organizations.

GOVERNMENT WORK EXPERIENCE

GOVERNMENT POSITIONS

2016 – 2024 **General Secretariat of the Supreme Council for Planning, Kuwait**

Secretary-General (2016 – 2024)

National Director of the Country Program Action Plan (2016-2023)

Head of the Consultants Selection Committee (2016 - 2017)

- Manages the General Secretariat technically, administratively, and financially, restructures the General-Secretariat to more efficient organization entitled to receive the ISO 9001:2015 for the GSSCPD and promotes new HR policy based on training, mentoring, coaching and role modeling.
- Restructure the General Secretariat and set up its strategy for transforming the organization to be a leader in national planning with the direction based on “think global, act local” strategy.
- Reforms the planning process in Kuwait National Development Plan. Introduces the pillars of the vision and Global Competitiveness Indices. Sets projects selection criteria led to better public investment in national projects results in focusing the national plan projects from 1200 scattered projects to a more focused better-monitored approx. 140 national projects gradually. Issues timely quarterly automated progress reports of Kuwait National Development Plan (KNDP) and Annual plans prior to the Budget issuance, in total 4 annual plans and 14 progress reports
- Establishes the National Knowledge Economy Center, the National Development Research Center, the Kuwait Public Policy Center with OECD-recognized nudge unit (Kuwait Public policy Appraisal Laboratory) and the Observatory of the Sustainable Development
- Sets up the National Knowledge Economy Center and Kuwait Knowledge Chair, which fund 30 Graduate studies Master and Doctoral degrees on Knowledge Economy and related fields, designs the Knowledge Indicator for Public Sector and KnowZone platform to provide free access of information to Knowledge Economy, includes Knowledge Economy in the basic education curriculum from Grade 1 to 12 in collaboration with Ministry of Education, sets the ground for a Knowledge Economy Ecosystem
- Sets up Kuwait Public Policy Center (with a Nudge unit) to function as a planning Think Tank for the government. KPPC assists in drafting public policy based on the 7 pillars of the KNDP including Public Health, Social Safety Net, Government Administration, National Education, Jobs Strategy, Economic Diversification, and many others as well as giving support to National Youth Policy. Initiates the KPPC public lecture series, which host renowned international speakers on different public policy topics. The nudge unit (known as KPAL) becomes operational with multiple RCT experimentation in collaboration with Nudge Lebanon, American University of Kuwait, Helsinki Group, World Bank and others.
- Serves/Served in different government boards, Public Authority of Industries, Arab Planning Institute, The National Fund for Small and Medium Enterprises Development, Public Authority for Housing Welfare, Kuwait Institute for Scientific Researches, Central Authority for Information Technology and Ennayah as well as several national and ministerial task forces including Fiscal and Economic Reform, Education / Labor Market alignment, Ozone Affairs and Climate Change, Social Safety Net, Demographic disparities, National Budget Frame, Crisis and Disaster management, Kuwait Master Plan 2040, and others besides receiving special assignments for analysis and recommendations for several major issues from the economic and services committees of the Council of Ministries
- Leads the national efforts to implement the United Nations’ Sustainable Development Goals Agenda 2030 in collaboration with government, public, private, civil societies, State Audit, and international organizations, WB and UNDP. Prepares to present the first Voluntary National Report of Kuwait for presentation in the High Political Level Forum in the UN on July 2019 highlighting the efforts of Kuwait to implement the SDG through alignment with Kuwait National Development Plan.
- Sets up a Dashboard for the Council of Ministers to follow up national projects’ implementation.
- Manages the Country Program Action Project (CPAP) with UNDP in Kuwait, the program efficiency to all time high 97% efficiency on project implementation, sets up the National Experts Bank, (Kuwait Roaster), linked to UNDP experts recruitment and signs and project manages 17 projects in the CPAP to support individual and institutional capacity of government entities in different sectors such as: manpower, special needs, drug, energy, heritage, policy making, youth, environment, traffic, women empowerment and Kuwait Roster for vetted experts in Kuwait
- Designs a new modality for the strategic framework of UN organizations in Kuwait with the support of UNRC and Ministry of Foreign Affairs.
- Expands the Junior Professional Officers (JPO) to the fourth round sending more than 24 JPOs in total and promotes for Kuwaiti employment in the UN. Empowers the Young Professionals Program (YPP) of the U.N. and the Youth Leadership UN programs in Kuwait.
- Chairs the Consultants Selection Committee and improves its performance by reducing the workflow form an average of 53 weeks to 15 weeks per case. Creates an online registration and evaluation system and improves the handling of variation orders.
- Represents the State of Kuwait in signing the Kuwait-China cooperation MoU on national planning support (2017) and Kuwait-Ban-Ki Moon Global Citizenship Center (2019), Global Green Growth Institute (2019) Knowledge Index of Public Institutions with World Bank (2019), Digital Signature with Public Information Authority (2019)
- Adopts the Human Capital Index of the World Bank and collaborates with the World Bank to establish the first Knowledge Index in Public Sector
- Cofounds the Kuwait Sustainable Development Award (KSDA), the Kuwait Distinguished Award (KDWA) under the patronage of H.H. The Amir and the Sustainable Development for Young Innovators Award (SDYIA) in collaboration with Science and Engineering Competition (Kuwaiti ISEF)
- Supports the design of an AI based Integrated National Development Planning and Monitoring System (Astrolabe) to enhance the planning and monitoring of the national plan.

- Initiates and leads the efforts on institutional governance in the government sector and issues the first National Governance Framework in Kuwait.
- Establishes partnerships between the GSSCPD with local and international organizations such as Kuwait University, Kuwait Foundation for the Advancement of Sciences, American University of Beirut, University of Ottawa, and others
- Organizes and co-organizes national events, including the Knowledge Economy Forums (2016,2018, 2022), 60 years of Planning event (2017), New Kuwait Event (2017,2018,2019,2020), Engineering Consultants Conference (2017,2019), Kuwait Expo (2018), the National Education Forum (2019) and several other workshops, symposia, and forums.
- Appears on several radio and television programs local and international stations and agencies such as CNN, CNBC, BBC, SkyNews, Bloomberg, Financial Times, Washington Post, Reuter, and others.
- Initiates and oversees the National Media, PR campaign and Branding of **New Kuwait** 2035 vision and Promotes New Kuwait vision locally and internationally in several events: Belgium, London, Silicon Valley and others.
- Receives the "People First" Leader Award (HR GCC) for organizational improvement in GSSCPD
- Supports and coordinates Kuwait's Economic and Fiscal Reform with MoF and KIA
- Coordinate the Sovereign Rating National committee in setting up the roadmap to improve the Sovereign ratings of Kuwait and manage the 3 rating agencies, Moody's, Fitch, and S&P.
- Joins the special task force of National Economic Reform directly reporting to the Prime Minister
- Conducts studies on education reform and belt and road initiative to HH the crown prince office.
- Participates in the selection of Assistant secretaries in KISR by creating a methodology and standards for selecting replacing the Ad Hoc method used.
- Sets up the first Government Program governance and structure with detailed initiatives across for main domains addressing national challenges as well as designs and leads the establishment of an automated government program system for progress monitoring beside residing in the human capital domain steering committee.
- Introduces a new governance for the Kuwait - World bank partnership framework in collaboration with the Ministry of Finance.
- Presents the government work programs in the National Assembly in 2018 and 2022
- Participates in the Prime Minister team for refuting claims in the Prime Minister grilling in the National Assemble, 2021.
- Joins the national efforts to design, build, and operate Kuwait Pavilion in Dubai Expo 2020 and Osaka Expo 2025
- Signs a trilateral cooperation frame with CLPD and US Courts with the Judicial Studies Center
- Joins bilateral cooperation between Kuwait and several countries UK, KSA, USA and Egypt in the field of planning and development.
- Initiates cooperation with Sultanate of Oman's vision 2040 unit for knowledge exchange.

2015 – 2016 **General Secretarial of the Supreme Council for Planning, Kuwait**

Assistant Secretary-General for Follow-up and Future Forecasting

Acting Assistant Secretary-General for Planning Affairs

Acting Secretary-General

- Manage the sectors administratively and financially.
- Develop integrated system for Kuwait National Plan projects follow-up.
- Train other government entities in strategic planning and follow-up.
- Supervise and manage the consultancy studies and projects in Kuwait.
- Establish the National Knowledge Economy Centre
- Standardize and automate the consulting procurement system, Consultants Portal
- Develop dashboard system for KNDP monitoring.
- Implement a new organizational structure.
- Participates in rectifying the new national planning law 7/2016
- Participates in national and ministerial committees.
- Represents GSSCP in several boards.
- Implement the new KNDP's KPIs driven planning strategy.
- Assists in the implement of CPAP through UNDP
- Establish field follow up system through field visits to strategic projects.
- Implement the recommendations of prime council and SCPD to minimize workflow.

REGIONAL AND INTERNATIONAL DUTIES

List of councils, national programs, boards, and higher committee representing the government of Kuwait

- Head of Delegation – Belt and Road Forum, Beijing, China October 17th -18th (2023)
- Observing Member – Global Green Growth Institute (since 2019)
- Member – World Bank Human Capital Project (since 2018)
- Head of Delegation – High Level Political Forum, United Nations, Kuwait First Voluntary National Report (2019), Kuwait Second Voluntary National Report (2023)
- Board of Trustees member – Arab Planning Institute (2016 – 2024)
- Head of Delegation – ESCWA executive board (since 2016)
- Head of Delegation – Higher Council for Development and Population, The Arab League (2023)
- Member – GCC Planning Undersecretaries Committee (since 2015)
- Member – Gulf Countries Council Green Building Committee, Kuwait (2012-2013)
- Member – Building Materials Specifications Committee Kuwait (2011-2013)

HIGH-LEVEL GOVERNMENT DUTIES

List of councils, national programs, boards, and higher committee headed by the prime minister, or deputy prime minister or minister as well as the committees served under these organizations.

Directorship

- National Director - Country Program Action Plan, country counterpart with UNDP (2015 - 2023)
- Chairman – Consultants Selection Committee (Member 2015-2016, Chairman 2016-2017)

Councils and Boards membership

- Council member – Supreme Council of Education (2016 – 2020)
 - Member – General policies committee, Supreme Council of Education (2017)
- Council Member – Government Universities Council (2019 – 2024)
 - Member – Policies and Strategies Committee (2021-2024)
 - Member, Education / Labor Market Alignment Committee (2021)
 - Member, Higher Education and Research Policy Committee (2022-2023)
 - Member, Study the need for Applied University Committee (2023-2024)
- Board member – Public Authority of Civil Information (2015-2016), (2023-2024)
- Board member – The National Fund for Small and Medium Enterprises Development (2017 – 2022)
 - Chairman – Executive, bylaws and regulations committee, SME (2021-2022)
 - Co-Chair – Strategies and policies committee, SME (2021 - 2022)
 - Chairman – Deputy Director-General Selection Committee, SME (2021)
 - Chairman – Mina Abdullah Industrial Lands proposal evaluation for SME Committee (2018)
- Board member – Public Authority for Housing Welfare (2017 – 2024)
 - Co-Chair – General policies committee, PAWH (2017-2018), Chairman (2018 -2021), (2021 – 2024)
 - Member – Investigation committee, PAWH (2017)
- Board of Trustees member – Kuwait Institute for Scientific Research (2016 – 2024)
 - Member – General policies committee, KISR (2017-2024)
 - Member – Deputy Director-General Selection Committee, KISR (2019-2020), (2021)
- Board member – Public Authority for Applied Education and Training (2019 – 2024)
 - Member – Investigation Committee, PAAET (2022)
- Board member – Public Authority of Industries (2015-2024)
 - Member – Industrial lots of evaluation committee, PAI (2017)
 - Member – Consulting study dispute committee, PAI (2021)
- Board member – Kuwait Health Care Hospitals Management (Enayah, SOE) (2017 – present)
 - Chairman – Governance and Rewards Committee KCCHM (2022- present)
- Member –Public-Private Partnership Supreme Committee (2020 – 2023)
 - Member – Technical Committee (2020 – 2023)

Higher Committees membership

- Member – Higher Committee for Kuwait Master Plan 2040 (2015 – 2017) – Headed by the Prime Minister
- Member – National Committee on Ease of Doing Business and Improving Competitiveness (2016-2020)
- Member – Kuwait Census 2020 (2019 – 2020)
- Member – Government Program Follow-up Ministerial Committee (2021-2022) – Headed by the Deputy Prime Minister
 - Chairman – Technical Team of Government Program (2021-2022)
 - Chairman – Human Capital Domain in Government Program Steering Committee (2021- 2022)
 - Member – Government Restructuring in Government Program Steering Committee (2021-2022)
- Member – Higher Committee for National Energy Policy Implementation (2018 – 2022)
 - Chairman – Use of Behavior Economics in the Rationalization of Energy (2019 – 2021)
- Member – National Committee on Demography and Labor Market (2023 - 2024) – Headed by the First Deputy Prime Minister
- Member – Higher Committee for Anti-Corruption Strategy Implementation Monitor (2019 – 2024)
- Member – National budget structural frame (2016-2024)
- Member – National Committee on Climate Change (2018 – 2024)
- Member – Expo 2020 Dubai Kuwait team (2017 -2022)
- Member – National ICT (digital transformation) Strategy Committee (2019 - 2024)
- Member – Government Restructuring Committee (2023 - 2024)
- Member - Expo 2025 Osaka Kuwait team (2022 -present)

GOVERNMENT Technical Committees

- Member – Governance of Ministry of Information (2023)
- Member – High Level committee on Performance Management (2023)
- Member – Task force to set-up the Kuwaiti Experts Database for the Prime Minister Diwan (2023)
- Chairman – Executive Committee for Kuwait Knowledge Chair Program (2018 – 2024)
- Chairman – Kuwait Sustainable Development Award (KSDA) Committee (2018 – 2023)
- Chairman – National Committee on the implementation of SDG Agenda 2030 (2017 – 2024)
- Chairman – Steering Committee for National Energy Transition (2021 - 2022)
- Member – Kuwait University Programs restructuring committee (2021)
- Chairman – Capex Review (initiative in Government Program) Committee (2021-2022)
- Member – Kuwait University Mega Projects Committee (2016 – 2022)
- Member – Task force to set the vision and the strategy for the development of the Prime Minister Diwan (2021)

- Member – Fiscal and Economic Reform (Etidama Program) Monitoring Committee (2016 – 2018), (2021)
- Co-Chair - Sovereign Rating Improvement Committee (2020 - 2024)
 - Team Leader, ESG Task Team (2023-2024)
- Chairman – Kuwait National Railroad project management committee (2020 – 2021)
- Chairman – Central Committee on Kuwait National Development Plan (2016 – 2020)
- Chairman – National Human Development Report Editorial Board (2017 - 2023)
- Member – UNESCO Report Committee for Implementation of the Recommendation on Science and Scientific Researchers (2021)
- Advisor – Simplification of Contractual Procedures Committee (2019)
- Member – G2G with Singapore on Solid Waste Management (2019)
- Coordinator – T2 Implementation follow up (2019)
- Member – Steering Committee on Government Restructuring (2019- 2021)
- Member – National Policy on Competition Protection Committee (2019 – 2021)
- Member – Kuwait Distinguished Women Award (KDWA) Committee (2018)
- Chairman – Education / Labor Market Alignment Committee (2018 – 2019)
- Co-Chair – National Committee for Social Safety Network (2017 – 2019)
- Chairman – Jaber Hospital Commissioning Committee (2018)
- Member – Kuwait Youth Strategy Steering Committee (2017 – 2018)
- Chairman – Kuwait Master Plan 2040 Technical Committee (2015 – 2018)
- Member –Executive committee for Bobuyan Island and Silk City (2017 – 2018)
- Member – Bond Debut Roadshow team (2017)
- Member – Kuwait Islands Project and Silk City Committee (2016)
- Member – Sh. Jaber Hospital Privatization of the Hospital Management (2016)
- Member – National Committee on Demographic disparities in Kuwait (2016-2017)
- Member – Assessment of Separating training and applied education in PAAET (2015-2016)
- Member – Total Facilities Management tenders evaluation committee, Ministry of Education, Kuwait (2012)
- Member – Strategic Project Management Office tender evaluation committee, Kuwait (2011-2012)
- Member - Encouraging Students to Sciences Specialties National committee, Ministry of Education, Kuwait. (2008-2009)
- Member – KNFP Tenders evaluation committee, Kuwait National Focal Point, Kuwait (2010-2011)

REGIONAL AND INTERNATIONAL MEETINGS/CONFERENCES

Presentations, speeches, or panel discussion active participations in international or regional meetings, forums, and panels. The events in the list are invitations as keynote, speaker, panelist, or presenter.

- **Strategic National Development Projects Forum,**
 - *Keynote Speaker*, Role of the Private Sector in the New Kuwait Vision 2035, June 12th (2024)
 - *Panelist*, Moving Forward with Kuwait Vision June 13th (2024)
- **Industrial Policy, Panelist**, IMF, Riyadh, March 25th (2024)
- **The 12th Greece-GCC Business Forum**, *Keynote speaker*, Kuwait National Development Plan, December 12th (2023)
- **Higher Council for Development and Population– The Arab League**, Kuwait Official Speech, *Government's Head of Delegation*, Cairo November 27th (2023)
- **The 3rd Belt and Road Forum**, *Government's Head of Delegation*, Beijing, China October 17th -18th (2023)
 - **Connectivity of Kuwait Vision to Belt and Road Initiative**, October 18th (2023)
- **High-Level Political Forum**, *Government's Head of Delegation*, New York, July 17-19th (2023)
 - **Kuwait Voluntary National Report on Sustainable Development Goals 2023** *Lead Presenter*
 - **United Nations and Kuwait Collaboration to support Kuwait Vision 2035**, Side Event, *Lead Presenter*
 - **Pushing Boundaries: Technology and AI to accelerate the SDGs in the Arab Region**, *Panelist*, Side Event organized by
- **Arab Sustainable Development Forum**, *Government's Head of Delegation*, ESCWA, Beirut, Lebanon; March 14-16th (2023)
 - **Implementing SDG with the Private Sector**, *High-Level Panelist*
 - **Roundtable on the Voluntary National Report 2023**, *High-Level Panelist*
- **Annual World Bank Meeting**, *Government's Head of Delegation*, Human Capital Program, Washington DC, October 10-14th (2022)
 - **National Jobs Strategy**, BBL *Keynote Speaker*
 - **Human Capital in the Middle East**, *Panelist*
- **Recovering, Reforming and Reimagining Human Capital in MENA**, Virtual Ministerial Panel, Washington DC, *Panelist*, March 9th (2022)
- **The Annual 13th JPO Meeting**, Virtual, Kuwait, *Head of the Conference* November 2nd - 3rd (2021)
- **The 10th Greece-GCC Business Forum**, *Keynote speaker*, Kuwait Vision 2035 and Greece Economic Vision, June 15th (2021)
- **Teaching and Learning Excellence in E- Era Forum**, ACK, *Keynote speaker*, Role of Education in Planning and Development, June 2nd (2021)
- **IPMA Global Best Practice**, IPMA, *Keynote speaker*, Resilience in National Development, April 29th (2021)
- **World Bank meeting**, *Panelist*, The Future of Social Protection in MENA: Turning an Unprecedented Crisis into an Opportunity, April 27th (2021)
- **China-Kuwait Belt & Road Cooperation on Digital Economy Forum**, *Keynote Speaker*, April 6th (2021)
- **Annual World Bank Meeting**, *Government's Head of Delegate*, Human Capital Program, Washington DC, October 8-12th (2019)
 - **New Kuwait**, BBL presentation
 - **Women, Business and Law**, *Panelist*
 - **Human Capital in the Middle East**, *Panelist*
- **High-Level Political Forum**, *Government's Head of Delegate*, New York, July 17-19th (2019)
 - **Kuwait Voluntary National Report on Sustainable Development Goals 2019**, *Lead Presenter*
 - **Migration Global Indicator**, *Panelist*, Side Event organized by IOM
- **Taking forward gender equality in the Arab states' region: what are the points of entry? What are the priorities for action?** *Panelist*, Tunis Forum on Gender Equality, Tunis, April 24-26th (2019)
- **National Implementation of SDG 5 in Kuwait**, *Panelist*, Side event of the 63rd meeting of the Commission of Status of Women, United Nation (2019)
- **Time Management of a Government Official: Serve to Survive**, Harvard Business Review, Edara lab. Abu Dhabi, UAE (2018)
- **The Role of Youths in supporting the New Kuwait vision**, (*Panelist*) Consulate of Los Angeles Event, Silicon Valley, Nov 29-30th (2018)
- **Kuwait's Plan for the Future**, WadiTech, Silicon Valley, Nov 29-30th (2018)
- **Skills Gap in the GCC region**, (*Panelist*), HR GCC, Abu Dhabi, UAE (2018)
- **The Role of Academia and NGOs in Promoting Greater Use of Behavioral Insights in Public Policy and The Future of Behavioral Economics and Nudge in the Region**, (*Panelist*) *Behavioral Economics and Nudge in the Arab Region: Lessons Learned & Challenges*. Nudge Lebanon, Beirut, Lebanon; May 10th – 11th (2018)
- **Arab Sustainable Development Forum**, (*Panelist*), ESCWA, Beirut, Lebanon; April 23rd (2018)
- **Arab Development Portal Workshop**, (*Participant*), UNDP, Beirut, Lebanon; April 22nd (2018)
- **Ease of Doing Business Workshop**, (*Delegate*), World Bank, Washington DC, USA, April 10th- 15th (2018)
- **Kuwait's Efforts in Sustainable Development Goals** 6th Association of Southeast Asian Nations (ASEAN) Committee, *Kuwait*, March 16th (2018)
- **Kuwait's Plan for the Future**, *Kuwait Investment Outreach*, London, Dec 8, 2017, Brussel, Feb 20, 2018, Silicon Valley, Nov 29-30, 2018 (*Panelist*)
- **New Kuwait 2035**, *Chamber of Commerce*, Paris, Aug 2017
- **Kuwait Master Plan 2040**, *2nd International Conference on National Urban Policy*, Paris, May 15-18, (2017)
- **Fostering Inclusive and Sustainable Economic Growth and Development**, *Regional Conference on Development challenges and priorities in a changing Arab region*, Amman, Jordan, 22-23 May 2017
- **JPO program in Kuwait**, *11th meeting of partners countries UN organization on the JPO Program in the UN system*, UN, JPO Program, Bonn, Germany (2017)
- **Challenges in the Implementation of Subsidy rationalization in the GCC**, LSE & Oxford Energy Institute, London, UK (2017)
- **KNDP alignment with SDG**, *ESCWA 29th Ministerial meeting*, Doha, Qatar, Dec 13-15, 2016
- **INCLUSIVE BUSINESS MODELS FOR ACHIEVING THE SUSTAINABLE DEVELOPMENT GOALS (SDGs)**, *7th Bosphorus summit*, Istanbul Turkey, Nov 29 – Dec 1 (2016)

INVITED SPEECHES, LOCAL FORUMS, PANELS, WORKSHOPS AND CONFERENCES

Presentations, speeches and panel discussion active participation in local meetings, forums, and panels. Mostly invited by other public entities or NGOs and civil societies in Kuwait.

- **IDC Kuwait CIO Summit 2023: Enabling the Digital Economy's Leaders** *Panelist*, May 13th (2024)
- **AIU for the Partnership Signing Ceremony of the "100 million Learners" program** February 12th (2024)
- **Gulf BIM and Digital Building Conference**, *Keynote Speaker*, February 6th, (2024)
- **AmCham Kuwait Summit: Inclusion Beyond Initiatives Toward Sustainability**, *Keynote Speaker*, January 31st (2024)
- **Generative Artificial Intelligence** *Panelist*, Oman Society for Information Technology. December 20th (2023)
- **PPP in National Plans**, National Plan Specialists in GCC Meeting, *Panelist*, November 26th (2023)
- **The SAFE initiative** *Speaker*, GCC Pavilion, COP 28, Dubai, December 3rd (2023)
- **The 2nd Digital Transformation Kuwait Conference** *Panelist*, November 20th (2023)
- **The 10th e-Gov Forum: The Future of Cloud Computing**, *Panelist*, October 23rd (2023)
- **Digital Transformation in Kuwait**, *Panelist*, SAP Digital, June 14th (2023)
- **PPP as an enabler for the Sustainable Development**, *Panelist*, Kuwait 2nd PPP Conference, June 13th (2023)
- **IDC Kuwait CIO Summit 2023: Enabling the Digital Economy's Leaders** *Panelist*, May 22nd (2023)
- **National Development Plan**, *Speaker*, Economic Fact-Finding Mission to Kuwait by Swiss Embassy, May 14th (2023)
- **Lead The Way conference on Women Leadership**, *Panelist*, Gulf Bank. March 20th, (2023)
- **Empowering Women Economically**, *Panelist*, Arab Planning Institute. March 20th, (2023)
- **Building Sustainable Education: from teaching to learning**, *Speaker*, Investing in people and the priority of sustainable education conference. February 13th, (2023).
- **Kuwait Social and Economic Outlook: Moving forward to New Kuwait**, *Keynote Speaker*, BF9 Summit: Industry Day. February 1st (2023)
- **Moving toward New Kuwait:" Kuwait Plan for the Future**, *Keynote Speaker*, American International University Distinguished Lecture Series. February 21st (2023)
- **rPET Launch Event**, *Panelist*, PepsiCo. November 24th (2022)
- **New Kuwait 2035**, *Keynote Speaker*. Germany Chamber of Commerce. November 22nd (2022)
- **Achieving Kuwait Vision 2035 through Digital Transformation**, *Panelist*. November 2nd (2022)
- **Economic Outlook of GCC World Bank Report**, *Panelist*. November 9th (2022)
- **Digital Transformation and Kuwait Vision**, *Panelist*, 9th eGov Forum. October 24th (2022)
- **Education Policies in the National Plan**, *Speaker*, Preparation team for UN Education Summit. August 3rd -4th (2022)
- **Needed Skills and the Future of Work Main Priorities of Kuwait Vision 2035**, *Panelist*, Rethinking Education for a Prosperous and Sustainable Future, Australian University. May 25th (2022)
- **Toward an Optimal Privatization Model in GCC**, *Panelist*, Privatization Forum May 18th (2022)
- **Ring the Bell for Women Empowerment**, *Speaker*, Kuwait Stock Exchange, March 8th (2019,2021, 2022)
- **Infrastructure pillar in the KNDP**, *Speaker*, Workshop on Kuwait Infrastructure Policy, KISR, November 19th (2019)
- **New Kuwait**, *Keynote Speaker and Panelist*, New Kuwait Summit, December 10-11 (2019)
- **Foreign Direct Investment Policy in KNDP**, *Speaker and Moderator*, The Third Commercial Law Forum, November 27th (2019)
- **Women, Business and Law Indicator**, Kuwait Society of Lawyers, November 13th (2019)
- **Kuwait Future Plan**, *Keynote Speaker*, Australian College of Kuwait, November 11th (2019)
- **National Development**, *Panelist*, National Development and Foreign Aid, World Bank and Ministry of Foreign Affairs, October 28th (2019)
- **Kuwait Innovation Policy (assessment)**, *Panelist*, October 9th (2019)
- **National Laboratories Network**, *Panelist*, Workshop on Building a National Laboratories Network, October 7th (2019)
- **National Plan and Older Persons**, *Panelist*, The International Day for Older Persons, Ministry of Foreign Affairs, October 1st (2019)
- **Kuwait and the Labor Market**, *Panelist*, United Nation Migration Global Compact on Migration, May 1st (2019)
- **The Consulting companies and the Kuwait National Plan projects**, *Panelist*, *The 2nd Engineering Consultant Conference*, Kuwait May 1st (2019)
- **Sustainable Infrastructure Development in Kuwait**, *Keynote Speaker*, Sustainable Infrastructure Development Conference, Kuwait April 23-24th (2019)
- **Excellence in Public Employment**, *Panelist*, *Excellence in Public Institutions*, Kuwait April 15-17th (2019)
- **New Kuwait 2035: The National Vision of Kuwait**, *Keynote Speaker*,
 - KIPCO group CEOs meeting, Kuwait May 2nd (2019)
 - South Korea – Kuwait Business Forum, Kuwait May 2nd (2019)
 - 3rd EU-GCC Business Forum, Kuwait March 19-20th (2019)
 - Canadian Business Council, Canadian Embassy, Kuwait, March 4th (2019)
- **Ease of Doing Business in Kuwait**, *Moderator*, 3rd EU-GCC Business Forum, Kuwait March 19-20th (2019)
- **Competitiveness Protection as part of Kuwait National Development Plan**, *Panelist*, Competitiveness Protection Forum: Roles and Laws, Kuwait March 27th (2019)
- **Service Hero Award 2018**, Khayal Group, *Panelist with Mr. Salah Alfulajj (NBK)*, February 12th, (2019)
- **Youth and Women Empowerment and Global Citizenship**, Ministry of Foreign Affairs, *Panelist with Mr. Ban-Ki Moon and Mr. Fischer*, February 12th, (2019)
- **Industries Bridges (Jossor) Conference**, *Panelist*, Kuwait Industries Union, February 4th (2019)
- **Kuwait Industrial Forum**, Public Authority for Industries, *Panelist*, January 30th (2019)
- **Kuwait International Conference: Integrity for Development**, *Panelist*, January 16th (2019)

- **2nd Engineering Leadership Forum, Taqat**, January 10th (2019)
- **Kuwait National Development Plan Projects portfolio perspective**, Kuwait Project Management Society, PIC Bobuyan Club, December 19th (2018)
- **Balanced Score Card (BSC) in the context of KNDP**, *panelist with Prof. Kaplan*, Palladium Event, Dar Alathar Islmyah, December 17th (2018)
- **Facilities Management from New Kuwait Perspective**, Facilities Management of Government buildings and facilities Conference, Kuwait Society of Engineers, December 16th (2018)
- **Innovation or extinction**, Al-Fikr Alaraby Foundation, the 10th report launch, December 10th (2018)
- **Investment of the Government Sector in Retirees**, 3rd Annual Conference on exploitation of retirees' expertise, December 10th (2018)
- **Social Protection and Safety Net: New Kuwait perspective**, Home Budget Forum II, November 13th, (2018)
- **Toward Legal Education aligned with New Kuwait**, Legal Education and Culture Conference, Kuwait Legislators Society, Kuwait, September 24th (2018)
- **New Kuwait Explored**, Delivering new Kuwait: a transformative Roadmap to 2035 HSBC event, Kuwait, September 10th (2018)
- **Nazaha's Anticorruption Workshop**, Anticorruption Authority, Kuwait. April 22th (2018)
- **Kuwait Future Plans**, Saud Alnaser Diplomatic Institute, Ministry of Foreign Affairs, Kuwait April 4th (2018)
- **New Kuwait 2035 and Future Projects**, Tshala, Kuwait, March 28th (2018)
- **Performance Management of KNDP**, Kuwait Petroleum Corporation, Kuwait, March 25th (2018)
- **Route to Silk Road**, Kuwait British Friendship Society, Kuwait, March 21st (2018)
- **Kuwait's Plan for the Future: Projects for Investments**, Kuwait Investment Forum, Kuwait March 21st (2018)
- **Kuwait National Development Plan: Economic Diversification**, International Conference on GCC Development, Arab Open University (2018)
- **Responsibilities of Public Servant**, Amana Initiative, National Assembly, Kuwait (2018)
- **Digital revolution and governments' vision**, Panelist, Knowledge Economy Forum, Kuwait (2018)
- **Big data: the key to economic growth**, Moderator, Knowledge Economy Forum, Kuwait (2018)
- **New Kuwait 2035**, High level Doha delegates from Chamber of Doha, Kuwait Chamber of Commerce and Industry, Kuwait, Jan. 24 (2018)
- **Creativity and Human Capital**, Nuqat , Jan. 24 (2018)
- **Youth in KNDP and Kuwait Vision**, Youth and Institutional Excellence Forum, Jan 25 (2018)
- **ICT in KNDP**, IOT conference, Kuwait. Dec. 19 (2017)
- **Knowledge Management in Public Institutions**, KADEF, Kuwait Dec. 18 (2017)
- **Use of Solar System in Coop**, Renewable Energy uses in Kuwait, Nov. 29 (2017)
- **Planning home budget**, Home Budget Forum, Kuwait. Nov. 22 (2017)
- **Kuwait National Development Plan: emphasis on Infrastructure**, Infrastructure Week, Kuwait Oct. 29 (2017)
- **Panel on Governance in government**, First forum on Governance in Government Organizations, Kuwait (2017)
- **KNDP and Kuwait Vision 2035**, KPC Leadership Forum, Kuwait (2017)
- **Panel on the alignment of digital economy with KNDP**, Digitization of the Economy, Hematech, Kuwait (2017)
- **KNDP and Urban development**, Kuwait Housing and Residential Forum, Kuwait (2017)
- **National Health Strategy initiation workshop**, KFAS, Kuwait (2017)
- **Energy Public Policy White Paper workshop**, KFAS, Kuwait (2017)
- **Panel on Partnering with NGOs and Civil Societies**, KIPCO Sharakah Forum, KIPCO, Kuwait (2017)
- **Panel on KNDP and Electronic Legal Establishment in Kuwait**, Electronic Legislatures Forum (2017)
- **Panel on Education Institutions Outcomes and Labor Market**, Graduates Societies, Kuwait (2017)
- **Panel on Government Activities to support administrative reform**, Competitiveness Forum, Kuwait (2017)
- **KNDP explained**, Diplomatic Institute, Kuwait (2017, 2018)
- **Panel on SME and Women inclusion**, Arab Planning Institute, Kuwait (2017)
- **Urbanism in Kuwait workshop**, KFAS, Kuwait (2016)
- **KNDP and Informatics**, Sh. Salem Al-Ali Award (2016)
- **Panel on Human Capital Development as pillar in KNDP**, Human Development Conference (2016)
- **SDG and KNDP**, Kuwait Engineers Forum, Kuwait (2016)
- **Investing in Kuwait**, British Business Council, Embassy of UK (2016)
- **KNDP explained to the private sector**, Kuwait Fair Expo (2016)
- **Private Sector Role in SDG workshop**, UNDP, Kuwait (2016)
- **Panel on KNDP and Knowledge Economy**, First National Economy Conference, Kuwait (2016)
- **SDG and KNDP Alignment workshop**, UNDP, Kuwait (2016)
- **SDG 5: Gender Gap in Kuwait workshop**, UNDP, Kuwait (2016)
- **SDG 8: Labor Conditions in Kuwait workshop**, UNDP, Kuwait (2016)
- **Planning Education Kuwait workshop**, SCPD, Kuwait (2015)

ACADEMIA WORK EXPERIENCE

ACADEMIC POSITIONS

2013 – 2015 **Chemical Engineering Department, Kuwait University, Kuwait**

Associate Professor (2013 – 2015) – (2024- present)

- Teach students at graduate and undergraduate levels.
- Establish ECSL@KU, Engineering Computation and Simulation Laboratory
- Collaborate with MIT research groups in Renewable Energy Storage
- Consult Kuwait Union of Industries on Strategic Support Center
- Develop KIU staff exchange program.
- Establish AIChE-Kuwait Local Section
- Consult her excellency the State Minister of Development Affairs and Planning
- Organize in collaboration with DOW chemical, the Young Scientists Program
- Introduce and teaching Introduction to Nanotechnology course as selected topic.
- Receive nomination for OAPEC and KFAS Scientific Production awards.
- Train Khafji Joint Operation middle management staff on teamwork and delegation
- Receive US Patent [14/706,940](#)

2000 – 2013 **Chemical Engineering Department, Kuwait University, Kuwait**

Assistant Professor

- Teaching students at graduate and undergraduate level
- Instructing 28 general, chemical engineering and management courses
- Establishing the first AIChE students' chapter in the MENA region
- Training of around 600+ engineers and professionals in management and engineering courses
- Establishing a link between the department and EQUATE
- Upgrading the course instructing techniques in chemical engineering designs
- Introducing Nuclear Engineering as an elective course to the curriculum
- Participating in 30+ different committees on government, university, college and departments level
- Authoring the unit operation lab manual and Co-authoring a book on social networking
- Consulting the KU administration on the university strategy
- Supervising 20+ graduate students in chemical engineering and management
- Establishing SYNERGY, the first complex network research group in the region
- Presenting in local and international conferences
- Awarded the best teaching award and best electronic course award.

Apr.-Jun. 2006 **Theoretical Chemistry Institute, University of Wisconsin, Madison, WA, United State of America – with Prof. Arun Yethiraj**

Visiting Professor

- Integral formulation of Polyelectrolytes

Jun.-Aug. 2006 **Instituto de Física, Universidad Federal do Rio Grande do Sul, Porto Alegre, RS, Brasil – with Prof. Marcia Barbosa**

Visiting Professor

- DNA charge reversal problem

Jul.- Nov. 2005 **Chemical Engineering Department, University of Auckland, Auckland, New Zealand – with Prof. Mohammed Farid**

Visiting Professor

- Water Pinch analysis

1998 - 2000 **Chemical Engineering Department, Northwestern University, USA**

Teaching Assistant

- Process Control
- Transport Phenomena
- Polymer Sciences and Engineering

1995 - 2000 **Chemical Engineering Department, Kuwait University, Kuwait**

Graduate Studies Scholar

- Chemical Engineering Thermodynamics
- Polymer Rheology and Polyelectrolytes Statistical Thermodynamics

1993 - 1995 **Desalination Department, Water Resources Division, Kuwait Institute for Scientific Research, Kuwait**

Research Assistant

- Assembling the seawater corrosion high- and low-pressure testing loops
- Assisting in several funded projects
- Operating the beach well Reverse Osmosis units together with RO team
- Upgrading and commissioning the seawater filtration unit
- Establishing, organizing, and then supervising the Water Laboratory in DOHA RO plant
- Involving in the RO-MSF hybrid simulation
- Participating in several tendering committees
- Participating in two major projects as a task leader:
 1. Seawater Corrosion project
 2. RO-MSF Desalination Simulation project

1992 - 1993 **Chemical Engineering Department, University of Toronto, Canada**

Research Assistant

- Iodine Reactions in Nuclear Power Plant Containment Building – simulation project.

TEACHING AND RESEARCH EXPERIENCE

TEACHING EXPERIENCE

1. Advanced Chemical Engineering Mathematics (ChE 511)
2. Advanced Chemical Engineering Thermodynamics (ChE 521)
3. Advanced Transport Phenomena (ChE 545)
4. Advanced Momentum Transfer (ChE 541)
5. Advanced Process Optimization (ChE 582)
6. Plant Design (ChE 491)
7. Equipment Design (ChE 493)
8. Selected Topics in Chemical Engineering: *Introduction to Nanotechnology* (ChE 484)
9. Selected Topics in Chemical Engineering: *Introduction to Nuclear Engineering* (ChE 484)
10. Optimization Techniques (ChE 457)
11. Introduction to Nuclear Engineering (ChE 361)
12. Mass Transfer Operations (ChE 440)
13. Mass Transfer Operations Laboratory (ChE 443)
14. Wastewater Treatment (ChE 463)
15. Polymers Engineering (ChE 473)
16. Introduction to Environmental Engineering (ChE 304)
17. Petrochemical Engineering (ChE 474)
18. Mass Transfer (ChE 345)
19. Heat Transfer (ChE 343)
20. Chemical Engineering Thermodynamics (ChE 340)
21. Kinetics and Reactor Design A (ChE 324)
22. Fluid Mechanics (ChE 241)
23. Fundamental of Chemical Engineering Design (ChE 219)
24. Basic Chemical Engineering Principles II (ChE 213)
25. Basic Chemical Engineering Principles I (ChE 211)
26. Numerical Methods for Engineers (ENGR 308)
27. Engineering Economy (ENGR 209)
28. Engineering Thermodynamics (ENGR 208)
29. Introduction to Engineering Programs (ENGR 099)
30. Operations Research or Business (QMS 205)

RESEARCH INTRESTS

- *Fundamental Research*
 - Thermodynamics of complex solutions
 - Statistical Mechanics of complex networks
- *Technological and Applied Research*
 - CFD of chemical and Biological systems
 - Optimization of chemical processes design and operations

- Synthesis, Fabrication and Modeling of Organic Solar Cells
- *Management and Engineering Education Research*
 - Engineering Education
 - Project Management

RESEARCH GROUP

SYNERGY; COMPLEX NETWORK RESEARCH GROUP: international and local collaborators in complex networks: social, biological and chemical reactions networks.

PATENTS

1. Ghufuran Al-Shiridah, **Khaled Mahdi** and Maytham Safar, *System and Method for Determining the Feedback Capacity of Information Distributed in Complex Networks (Cyclo-Feed)*. **US Patent Docket 23588.65** [2018]

JOURNAL PUBLICATIONS

2021

1. Eric Andrew Finkelstein, Jesse D. Malkin, Drishti Baid, Ada Alqunaibet, **Khaled Mahdi**, Mohammed Bin Hamad Al-Thani, Buthaina Abdulla Bin Belaila, Ebrahim Al Nawakhtha, Saleh Alqahtani, Sameh El-Saharty & Christopher H. Herbst *The impact of seven major noncommunicable diseases on direct medical costs, absenteeism, and presenteeism in Gulf Cooperation Council countries*, Journal of Medical Economics, DOI: 10.1080/13696998.2021.1945242 Taylor & Francis (2021)

2013

2. AlShiridah, Ghufuran; **Mahdi, Khaled**; Safar, Maytham; *Facebook feedback capacity modeling*. Social Network Analysis and Mining (SNAM) **3:4**, Springer Vienna (2013)
3. Safar, Maytham; **Mahdi, Khaled**; Farahat, Hisham; Albehairy, Saud; Kassem, Ali; Alenzi, Khalid; *Approximate cycles count in undirected graphs*. International Journal of Computational Intelligence Systems, Taylor & Francis (2013)
4. Almohri, Sayed Mohammad; AlShiridah, Ghufuran A; Safar, Maytham; **Mahdi, Khaled**; *Correlating feedback capacity with degree of diffusion in heterogeneous complex networks*. International Journal of Space-Based and Situated Computing **3:4**, Inderscience Publishers (2013)
5. Ibrahim Sarkhoh, **Khaled Mahdi**, and Maytham Safar, *Estimation Algorithm for Counting Periodic Orbits in Complex Social Networks*. Information System Frontiers, Special issue on Semantic Information Management .15 (2), 193-202 (2013)

2012

6. Maytham Safar, Fahad **Mahdi**, and **Khaled Mahdi**, *An Algorithm for Detecting Cycles in Undirected Graphs using CUDA Technology*. International Journal of Digital Information and Wireless Communications (IJDIWC), Vol. 2, No. 1, pp. 194-213, published by The Society of Digital Information and Wireless Communications, (2012)
7. **K. Mahdi**, L. Jamal and M. Safar *Cyclic Entropy of Collaborative Social Network*, IET Communications, 6 (12), 166-1617 (2012)

2011

8. Maytham Safar, **Khaled Mahdi**, Hisham Farahat, Saud Albehairy, Ali Kassem, Khalid Alenzi, *Approximate Cycles Count in Undirected Graph*. International Journal of Computational Intelligence Systems (IJCIS) (2011)
9. Maytham Safar, **Khaled Mahdi** and Sadeq Torabi. *Network Robustness and Irreversibility of Information Diffusion of Complex Networks*. Journal of Computational Science, Special issue on social computational systems, 2 (3), 189-314 (2011)
10. Muhammad Mujiburahman, **Khaled A. Mahdi** and Ali Elkamel, Predictive model of per-vaporation performance based on physicochemical properties of permeant-membrane material and process conditions. Journal of Membrane Science 381, 1-9 (2011)
11. G. Zahedi, A. Lohi and **K. Mahdi**, Hybrid modeling of ethylene-to-ethylene oxide heterogeneous reactor. Fuel Processing Technology 92, 1725-1732 (2011)

2010

12. **K. Mahdi**, M. Al-Rashed, A. Alsairafi and J. Wójcik, *CFD Simulation of A Conical-Cylindrical Crystallization Unit Multi-Phase Eulerian Model*. Kuwait J. Sci. Eng., 37 (2B): 145-160 (2010)
13. M. Safar, N. El-Sayed, **K. Mahdi** and D. Taniar, *Entropy Optimization of Social Networks using an Evolutionary Algorithm*. Journal of Universal Computer Science 16 (6), 983-1003 (2010)
14. M. Safar, H. Farahat and **K. Mahdi**, *Robustness of Dynamic Social Network*, Journal of Mobile Multimedia, 6 (3), 243-262 (2010)

2009

15. **K. Mahdi**, M. Safar, and S. Torabi, *A Model of Diffusion Parameter characterizing Social Network* IADIS International Journal on WWW/Internet, 7 (1), 136-151 (2009)
16. **Khaled Mahdi**, Maytham Safar, Ibrahim Sorkhoh, and Ali Kassem, *Cycle-Based versus Degree-based Classification of Social Networks*, Journal of Digital Information Management, special issue, 7 (6), 383-389 (2009)
17. **K. Mahdi**, Maytham Safar and Hisham Farahat, *Analysis of Temporal Evolution of Social Networks*. Journal of Mobile Multimedia, 5 (4), 333-350 (2009)

2008

18. **K. Mahdi**, G. Zahedi, R. Gheshlaghi, and A. Lohi d, *Characterization and modeling of a crude oil desalting plant by a statistically designed approach*. Journal of Petroleum Science and Engineering 61:116–123 (2008)
19. S. F. Peng, M. Farid, I. Ho, and **K. Mahdi**, *Water and Wastewater Minimization in Dairy Plants using Water Pinch Technology*. J. Int. Environmental Application & Science, Vol. 3 (1): 43-50 (2008)
20. **Khaled A. Mahdi**, *Generating Thermodynamics Phase Diagrams Using Symbolic Calculator*, World Review of Science, Technology and Sustainable Development, Vol. 5, No 3/4, (2008)

2006 - 2000

21. **Khaled A. Mahdi** and Zuzana Drobova, *Phase Behavior of DNA Solutions in the presence of Salts*, Fluid Phase Equilibria, **242**, 103-109, (2006)
22. M. Riazi, **K. Mahdi** and M. Al-Qallaf, *Generalized Correlation for the Viscosity of Hydrocarbons Based on Corresponding States Principles and Molar Refraction*. Journal of Chemical & Engineering Data, 50, 1-5, (2005)
23. **Khaled A. Mahdi** and Monica Olvera de la Cruz, *Phase Diagrams of Salt-Free Polyelectrolyte Solutions*. Macromolecules, **33**, 7649-7654, (2000)

BOOKS AND BOOK CHAPTERS

1. Ghufuran Al-Shiridah, Maytham Safar, and **Khaled Mahdi**, *Mobile Communication Networks*. Accepted for publication in the section "History of Social Networks: Past, Present and Future", Encyclopedia of Social Networks and Mining (ESNAM). Co-edited by Reda Alhajj and Jon Rokne, Springer Verlag, (2014)
2. Maytham Safar and **Khaled Mahdi** *Social Networking and Community Behavior Modeling: Qualitative and Quantitative Measures*, pp. 214, IGI (2011)
3. A. Eltoukhy, M. Safar and **K. Mahdi**, *Modeling, Analysis and Characterization of Dubai Financial Market as a Social Network* chapter in: Software Engineering and Computer Systems: Communications in Computer and Information Science, 181, Part 4, 443-454, Springer (2011)

TECHNICAL REPORTS

1. **Khaled A. Mahdi**, *MENA Petrochemical Industries Report 2014*. FOCUS Technical Report Series, No 1. FOCUS Consultancy Services, Kuwait (2014)
2. **Khaled Mahdi**, Ali Elkamel and Hariharan Krithivasan, *Survival of the Fittest in the Oil and Gas Industry - Integration of Refinery and Petrochemical Industries, Refinery and Petrochemical Integration*. Organization of Arab Petroleum Exports Countries (OAPEC) (2014)

CONFERENCES / PROCEEDINGS

2016

1. M. Hrishiah, M. Safar; **K. Mahdi**, " *Modeling Twitter as weighted complex networks using retweets*," Advances in Social Networks Analysis and Mining (ASONAM), 2016 IEEE/ACM International Conference on, (2016).

2015

2. A. Elkamel, L. Simon ; E. Tsai ; V. Vinayagamoorthy ; I. Bagshaw ; S. Al-Adwani ; **K. Mahdi**, " *Modeling the mechanical properties of biopolymers for automotive applications*," Industrial Engineering and Operations Management (IEOM), 2015 International Conference on, Dubai, (2015).

2014

3. M. Bin Shams, **K. Mahdi**, A. Elkamel, K. Moorthy, J. Refinejad and A. Saxena; *Design of T² Statistical Control Chart Based on Economic Criterion*. AIChE 2014 Annual Meeting, Atlanta, USA (2014)
4. **K. Mahdi**, A. Elkamel, L. Simp, E. Tsai, V. Vinnayagamoorthy and I. Bagshaw; *Modeling the Mechanical Properties of Biopolymers for Automotive Application*. AIChE 2014 Annual Meeting, Atlanta, USA (2014)
5. Maytham Safar; **Khaled Mahdi**; *Degree of Diffusion in Real Complex Networks*. The Fourth International Conference on Digital Information Processing and Communications (ICDIPC2014), The Society of Digital Information and Wireless Communication (2014)

2013

6. Saeed B. Bukallah, Sara Al-Omani, Ali Bumajdad, Fakhria A. Al-Sagheer, **Khaled Mahdi**, and Tasneem Saleh; *Highly efficient photocatalysts of TiO₂ nanoparticles prepared via microwave and microemulsion techniques*; The 11th European Congress on Catalysis - EuropaCat (XI), " 20 years of European Catalysis and beyond", Lyon Convention Center, la Cité Internationale, Centre de congrès, Lyon, France; 1st – 6th September (2013)
7. Al-Shiridah, Ghufuran; **Mahdi, Khaled**; Safar, Maytham; *Feedback Capacity of Different Complex Network Models*. Advanced Information Networking and Applications Workshops (WAINA), 2013 27th International Conference, IEEE (2013)
8. Aldwaisan, Eman; Safar, Maytham; **Mahdi, Khaled**; *Analysis of Heterogeneous Complex Networks Using the Degree of Diffusion*. Network-Based Information Systems (NBIS), 16th International Conference, IEEE (2013)
9. Maytham Safar, **Khaled Mahdi**, and Ghufuran Alshareda, *Feedback Capacity of Different Complex Networks Model* 9th International Symposium on Frontiers of Information Systems and Network Applications. FINA, Barcelona (2013).

2012

10. Ibrahim Sarkhoh, **Khaled Mahdi**, and Maytham Safar, *Cyclic Entropy of Complex Network*. ASONOMA/IEEE/ACM, Turkey (2012).
11. Ibrahim Sarkhoh, **Khaled Mahdi**, and Maytham Safar, *The limitations of the BP Algorithm for Counting Cycles in Random Networks*. ASONOMA/IEEE, Turkey (2012).
12. Maytham Safar, **Khaled Mahdi**, and Ghufuran Alshareda, *Feedback Capacity of Random Networks*. NBiS, IEEE Melbourne, Australia (2012).
13. **K. Mahdi**, A. Almajid, M. Safar, H. Riquelume and S. Torabi *Social Network Analysis of Kuwait Publicly Held Corporations*. 3rd Conference on Ambient System (ANT), Niagara Falls, Canada (2012)

2011

14. **K. Mahdi**, M. Safar, I. Sarkhoh and H. Farahat *On maximizing the entropy of complex network* 2nd Conference on Ambient System (ANT), Niagara Falls, Canada (2011)
15. A. Eltoukhy, M. Safar and **K. Mahdi** *Modeling, Analysis and Characterization of Dubai Financial Market as a Social Network* Second International Conference on Software Engineering and Computer Systems (ICSECS), Kuantan, Malaysia (2011)
16. F. **Mahdi**, M. Safar, and **K. Mahdi**, *Detecting Cycles in Graphs using Parallel Capabilities of GPU*. In the Proceedings of the International Conference on Digital Information and Communication Technology and its Applications (DICTAP). Communications in Computer and Information Science, Volume 167, Part II, 193-205, Springer (2011)

2010

17. Ibrahim Sarkhoh, **Khaled Mahdi**, and Maytham Safar, *Computation Non-Intensive Estimation Algorithm for Counting Cycles in Random Networks*. In the Proceedings of the 12th International Conference on Information Integration and Web-based Applications & Services iiWAS (2010).
18. **K. Mahdi**, M. Safar, and S. Torabi, *Diffusion and Reverse Diffusion Processes in Social Networks: Analysis using the Degree of Diffusion α* , U-Media, Paris (2010)
19. M. Mujiburahman, and **K. Mahdi**. *Modeling of Pervaporation Process Performance*, CHISA, Czech Republics (2010)

2009

20. **Khaled A. Mahdi**, Mohsen H. Al-Rashed, Ammar A. Alsairafi and Janusz Wójcik, *CFD Simulation of A Conical-Cylindrical Crystallization Unit Multi-Phase Eulerian Model*. 7th International Conference on CFD in the Minerals and Process Industries CSIRO, Melbourne, Australia, December 9-11, (2009)
21. Maytham Safar, Hisham Farahat, and **Khaled Mahdi**. *Analysis of Dynamic Social Network: E-mail Messages Exchange Network*. 11th International Conference on Information Integration and Web-based Applications and Services – iiWAS, Malaysia (2009)
22. Maytham Safar, **Khaled Mahdi**, and Ali Qassim, *Universal Cycles Distribution Function of Social Networks*. First International Conference on Networked Digital Technologies, (2009)
23. Maytham Safar, **Khaled Mahdi**, Hisham Farahat, Saud Albehairy, Ali Kassem, Khalid Alenzi, *Approximate Cycles Count in Undirected Graph* First International Conference on Networked Digital Technologies, July 28-31 (2009)
24. N. El-Sayed, **K. Mahdi**, and M. Safar, *Cyclic Entropy Optimization of Social Networks using an Evolutionary Algorithm*. Proceedings of IEEE International Conference on Computational Science and Its Applications, ICCSA, Korea (2009)
25. **K. Mahdi**, M. Safar, and S. Torabi, *A Model of Diffusion Parameter characterizing Social Network* Proceedings of e-Society/IADIS, Barcelona, Spain (2008)
26. **K. Mahdi**, L. Jamal and M. Safar *Characterizing Collaborative Social Network using Cyclic Entropy, case study: WikipediaTM*, Proceedings of IADIS/WBC (2009)
27. M. Safar, N. Al-Sayed, and **K. Mahdi** *Cyclic Entropy Optimization of a Scale-Free Social Network using Evolutionary Algorithm*, Proceedings of IADIS/WBC (2009)
28. G. Zahedi, A. Elkamel and **K. Mahdi** *Analytic Hierarchy Process Applied to SO_x Emission in a Power Plant Station Plant*, Proceedings of 2nd conference on Environment and Sustainability, WES, Kuwait (2009)

2008

29. **K. Mahdi**, H. Farahat and M. Safar, *Temporal Evolution of Social Networks in PaltalkTM* Proceedings of iiWAS2008, Linz, Austria November 24–26, (2008)
30. E. Sarkhoh, M. Safar and **K. Mahdi** *Classification of Social Networks*, Proceedings of IADIS-WWW/Internet 2008, Freiburg, Germany, October 13-15 (2008)
31. M. Safar, **K. Mahdi** and E. Sarkhoh *Maximum Entropy of Fully Connected Social Networks* Proceedings of IADIS International Web-Based Communities, Netherland, July 22-27 (2008)
32. **K. Mahdi**, M. Safar, and E. Sarkhoh *Entropy of Robust Social Networks*, Proceedings of IADIS International e-Society, Algarve, Portugal, April 9-12 (2008)

2007

33. **K. Mahdi**, G. Zahedi, R. Gheshlaghic, and A. Lohi, *Optimization of Kuwait Oil Refinery-Desalting Plant: using design of experiments*, 2nd International Conference on “Modeling, Simulation and Applied Optimization,” Abu Dhabi, UAE, March 24 - 27, (2007) – Organizer of special session on Process Optimization

2005

34. Janusz Wojcik, Mohsen H. Al-Rashed and **Khaled A. Mahdi**, *Theoretical and Experimental Analysis of Radial Thickener*, WSTA 7th Gulf Water Conference “Water in the GCC Towards an Integrated Water Resources Management,” Kuwait, November 19-23 (2005)

2004

35. S. Ali, F. Malallah, and **K. Mahdi**, *Kinetics of the Esterification reaction of Acetic Acid with Butane over Amberlyst 15*, 16th International Congress of Chemical and Process Engineering, Praha, Czech Republic, August 22-26 (2004)
36. S. Drobiova and **K. Mahdi**, *DNA Precipitation in the Presence of Multivalent and Polyelectrolyte Salts*, 16th International Congress of Chemical and Process Engineering, Praha, Czech Republic, August 22-26 (2004)
37. **K. Mahdi**, A. Khan and A. Sattar, *Temperature Dependency on Multicomponent Adsorption*. International Engineering Conference. Muta, Jordan, April 26-28 (2004) – Chair of Modeling and Simulation session
38. **K. Mahdi**, *Building Up an Engineer* The First Conference of Insights on Successful Engineering Practices. Beirut, Lebanon, January 20-30 (2004)

2003 - 2000

39. Hussein, **K. Mahdi**, and A. El-Kamel, *Supply Chain Management of Refinery* OR 45, Keele Conference Park, United Kingdom, September 3-5 (2003)
40. M. R. Riazi, M. Al-Qallaf, and **K. Mahdi**, *Prediction of Viscosity of Hydrocarbon Fluids at High Pressures*. 15th International Congress of Chemical and Process Engineering, Praha, Czech Republic, August 25-29 (2002)
41. **Khaled A. Mahdi** and Monica Olvera de la Cruz, *Cross-Linked Model of Polyelectrolyte-Salt Solutions*. International Chemical Conference II, Singapore (2001)

1999 - 1993

42. **Khaled A. Mahdi** and Monica Olvera de la Cruz, *Phase Diagrams of Salt-Free Polyelectrolyte Solutions* American Physical Society annual meeting, Atlanta USA. (1999).
43. **Khaled A. Mahdi** and Monica Olvera de la Cruz, *Generating Phase Diagram using Mathematica®*, American Institute for Chemical Engineers Students meeting, Evanston, USA. (1998).
44. **Khaled A. Mahdi**, *Methylation of Model Compound of Coal and Oil Shale*, National Union of Kuwaiti Students 2nd Scientific meeting, London UK (1993)

GENERAL PUBLICATIONS AND ARTICLES

1. **Khaled A. Mahdi**, *The future of the petrochemical industries in Kuwait*, "The Industrialist" [Arabic], the official magazine of Kuwait Industries Union, March issue (2012)
2. **Khaled A. Mahdi**, *PM-ish Question!* - The PMI-Gulf Chapter newsletter (2011)
3. **Khaled A. Mahdi**, *Project Selection by Analytic Hierarchy Process, Case Study: Kuwait's Power Station Pollution Control*. Project Management Institute Gulf Chapter newsletter (2010)
4. Souhaila Almutawa and **Khaled A. Mahdi**, *PMI Earns ISO 17024 Accreditations*. Gulf Project Management newsletter, pp. 20-22, March (2008)
5. **Khaled A. Mahdi** and Zuzana Drobiova, *Assessment of Sulfur Transportation and Storage*, Al-Mohandeson, Kuwait Engineers Society, December issue (2006)

FUNDED RESEARCH PROJECTS

1. Membraneless Hydrogen-Bromine Flow Batteries for Grid and Renewable Energy Storage. (2014-2016)
 - Co-Investigators: Martin Bazant (MIT) and Cullen Buie (MIT)
 - Sponsor: Kuwait – MIT Center for Natural Resources and Environment (OIP-2014-2-016)
 - Fund: KD 57,000
2. Interpenetrating Events in Arabic Cultures: Data Collection in Varied Arabic Dialects, Principal Investigator. (2013-2014)
 - Co-Investigators: Maytham Safar (Kuwait University), Lynn Smith-Lovin (Duke University) and Dawn Robinson (University of Georgia)
 - Sponsor: Office of Naval Research Group
 - Fund: KD 28,500
3. Optimization of Industrial Crystallizer Design, Principal Investigator. (2006-2010)
 - Co-Investigators: Ammar Alsairafi and Mohsen Alrashed
 - Sponsor: Research Administration, EC08/05, Kuwait University.
 - Fund: KD 5,950
4. Data mining for location-based services applications using sensor networks, Co-Investigator (2008-2011).
 - Principal Investigator: Maytham Safar
 - Sponsor: Research Administration, E008/06 Kuwait University.
 - Fund: KD 22,310

THESIS AND PROJECT SUPERVISION

Master Theses

1. Mohammed Hareesha, Diffusion in Twitter. (Completed thesis 2013) – with Prof. M. Safar
2. Ghufuran Alshirdiah, Diffusion in complex network. (Completed thesis 2013) – with Prof. M. Safar

3. Ahmad Almajid, Social Network Analysis of Interlocking Directorates in Kuwait Stock Market (Completed MBA project since 2101) – jointly with Kuwait Maastricht Business School with Prof. R. Hernan
4. Sadeq Torabi, Deterministic Diffusion in Social Network, (Completed thesis 2009) – with Dr. M. Safar
5. Ebrahim Sarkhoh, Thermodynamics of Social Network (Completed thesis 2009) – with Dr. M. Safar
6. Zuzana Drobyova Phase Diagrams of DNA solutions in the presence of Multivalent and Polyelectrolyte Salts (Completed thesis 2005) – with Dr. S. Ali
7. Faisal Mallalah Heterogeneous Catalytic Esterification of Butanol and Acetic Acid (Completed thesis 2004) – with Dr. S. Ali
8. Montah Al-Qallaf. Viscosity Estimation in Petroleum Fluids (Completed thesis 2003) – with Prof. M. Riazi
9. Ammar Hussein Supply Chain Management of Refinery Operations (Completed thesis 2003) – with Prof. A. Haddad
10. Sana Al-Ghareeb Application of the Analytic Hierarchy Process to SO₂ Emission Reduction in Kuwait Power Stations (Completed, thesis 2001) - with Dr. C. Baker

Master Projects

11. Fatma Al-Zahraa Mohammed, Molecular Dynamic Simulation of DSSC (completed 2014)
12. Noriah Aldowaisan, Diffusion in Networks, different platforms, (completed 2013) – with Dr. M. Safar
13. Maryam Alshuhaima, Feasibility of Wind-driven RO plant in Kuwait (completed 2011) – with Dr. A. Alsairafi
14. Ghaidaa Alghanim, Leadership in Engineering Project Management in Kuwait, (ongoing since 2011) – with Dr. K. Alrasheed.
15. Fahad Mahdi, Finding cycles using CUDA, (Completed 2011) – with Dr. M. Safar
16. Ahmad Altoukhi, Analysis of Interlocks in Dubai Stock Market, (Completed 2011) – with Dr. M. Safar
17. Reem Al-Hamdan, Influence of Mixing Tank Geometry on the Velocity Efficiency Coefficient using CFD, (Completed 2010) – with Dr. Ammar Alsairafi
18. Ali Kassem, Cycle-based classification of Social Networks. (Completed project, 2009) – with Dr. M. Safar.
19. Nosayba Al-Sayed, Cyclic Entropy Optimization (Completed project, 2009) – with Dr. M. Safar
20. Lama Jamal, Hyper graphs Characterization of Social Network (Completed project, 2009) – with Dr. M. Safar
21. Hesham Farahat Characterization of Dynamic Social Network (Completed project, 2008) – with Dr. M. Safar
22. Abeer Al-Kandery Modeling of Crude Oil Emulsion Viscosity (Completed project 2005)
23. Ahmad Shadad Experiments on the phase behavior of Polyelectrolyte – Salt solutions (Completed project 2004) – with Prof. M. Fahim

Undergraduate Senior Projects

1. Naser Bader, Feasibility Study of Continuous Biodiesel Production using Ionic fluidic catalyst (completed 2011)
2. Aseel Alhardan and Fajer Alhulail, Assessment of Concreted blocks performance made from recycled construction waste (completed 2011)
3. Anwar Adel, A. Allah Jawad and M. Alenzi, Harvesting Energy from Vibration from Automobile motion (completed 2010)
4. A. Allah Dashti and Ali Akroof, Use of Recycled Aggregate in the making of K-250 Concrete (completed 2011)
5. Aseel Alhardan and Fajer Al, Slump and Strength testing of concrete made from Recycle Aggregate (completed 2011)
6. Reem Alkhalidy and Shrooq Almutairi, Analysis of Biochemical Reaction Complex Network using PAJEK (completed 2010)

Chemical Plant Design Projects

1. Hydrogen production plant for Fuel Cell feed
2. Methanol Production plant in Kuwait
3. Vinyl Acetate Production plant in Kuwait
4. Removal of Phenol and Ammonia from KNPC refinery wastewater

EDITORIAL BOARD, PEER REVIEWS AND ASSIGNMENTS

- International Journal of New Computer Architectures and their Applications (IJNCAA) (2014)
- 2nd FABTECH and Corrosion Conference (2013)
- 5th Waste Management Conference, Kuwait (2012)
- Kuwait Environment Preservation Society (KEPS) Magazine (2011)
- The Society of Digital Information and Wireless Communication (2010)
- International E-Conference on Artificial Intelligence applications in Chemical Engineering (2009)
- World Review of Science, Technology and Sustainable Development, Special Issue on Technology in Engineering Education (2007)
- Energy Policy (2013)
- Journal of Information Technology & Decision Making (2012, 2013)
- Industrial and Chemical Engineering Research (2011, 2012 (2))
- ICSECS (2011) – program committee
- IADIS (eHealth) (2011) – program committee
- iiWAS (U-Media) (2010) – program committee
- European Journal of Operational Research (2010,2011)
- Special Topics & Reviews in Porous Media (2010, 2012-2013)
- Materials Characterization (2010)
- 7th International Conference on CFD in the Minerals and Process Industries - CSIRO (2009)
- Journal of Food Process Engineering (2008, 2009)
- Energy & Fuels, ACS (2008 (2008))
- 7th Saudi Engineering Conference (2007)
- Chemical Product and Process Modeling (2006,2009)
- Journal of Petroleum Engineering and Technology (2005, 2006)
- International Conference of Energy (2005, 2008)
- Separation Science and Technology (2005)

- Macromolecules (2000, 2001)

UNIVERSITY LEVEL DUTIES

- Engineering team Coordinator – First Kuwait University Students Debate Tournament [2012]
- Member – Academic Committee, University Faculty Association [2010-2012]
- Member - College of Engineering and Petroleum Dean selection committee [2004-2005]
- Member - National committee to promote Students to Sciences majors, Ministry of Education, Kuwait. [2008-2009]
- Teaching Secondment, College of Administrative Sciences [Spring 2004, Fall 2004, Summer 2007, Spring 2011]
- Member – Social Affairs Committee, University Faculty Association [2003-2005]

COLLEGE LEVEL DUTIES

- Toastmaster – Wara Club supervisor [2012-2014]
- Engineering Alumni organizing committee (member) [2011-2012]
- Assessment of Engineering Workforce Market in Kuwait (coordinator) [2011-2012]
- EQUATE chemical engineering design computer lab (coordinator) [2010-2011]
- EQUATE engineering student reliability internship (coordinator) [2011]
- College of Engineering & Petroleum Distinguished Alumni Award Evaluation Committee (member) [2010]
- Student Summer Internship Supervisor – Hamburg, Germany [2009]
- Student Summer Internship Supervisor – Taipei, Taiwan [2007]
- KFAS Engineering Student Design Competition Evaluation Committee (coordinator) [2010]
- Summer Engineering Training supervisor selection (member) [2009-2010]
- Teaching Excellence Award Committee (member) [2009-2011]
- Member - Encouraging Students to Sciences Specialties National committee, Deputy Minister of educational programs, Ministry of Education, Kuwait. [2008-2009]
- Student Development Committee (coordinator) [2007-2008]
- LABEX competition committee (member) [2007-2008]
- Assistant Professors Status Study committee (coordinator) [2004-2005]
- Assistant Professors Representative, member in the college council [2004-2005]
- College of Engineering and Petroleum Newsletter Senior Editor [2003-2005]
- College Committee for “Introduction to Engineering Programs” course (coordinator) [2001-2003, (member) [2003-2005]
- Dean Consulting Committee (member) [2002-2003]
- College Educational Committee (member) [2002-2003]
- College Capstone Design Committee (member) [2002-2003, 2004]
- College of Engineering Soccer Tournament, chemical engineering department team organizer [2001-2002]

DEPARTMENT LEVEL DUTIES

- Appointment and Contract Renewal Committee (member) [2014-2015]
- AIChE Kuwait University Students Chapter Leader [2010 – 2014]
- Comprehensive Examination Graduate Committee (member) [2006-2007, 2009-2010]
- Office of Consultation and Career Development Committee (member) [2004-2005, 2007-2008]
- Computer Committee (member) [2004-2005] (Coordinator) [2007-2009, 2010-2011]
- Library Committee (member) [2004-2005]
- Professional Society Committee (member) [2003-2005, 2006-2007, 2008-2010]
- Students Affairs Committee (coordinator) [2002-2004] (member) [2007-2008, 2009-2011]
- Undergraduates Program and ABET Committee (member) [2002-2005, 2009-2011] (coordinator) [2011-2012]
- Scientific Research and Missions Committee (member) [2001-2005]
- Timetable Committee (member) [2002-2004]- (coordinator) [2004-2005, 2009-2010]
- Laboratories Affairs Committee (coordinator) [2002-2004]
- Complaints Committee (coordinator) [2001-2002]
- Annual Report and Newsletter Committee (coordinator) [2001-2002]
- Safety and Security Committee (member) [2006-2007]

PRIVATE SECTOR AND INDUSTRIES EXPERIENCE

BUSINESS AND INDUSTRIES POSITIONS

2013 – 2015 **FOCUS Consultancy Services Company, Kuwait**

Engineering and Management consulting and training company

Vice Chair

- Sets up the business strategy and develops the corporate profile.
- Proposes and market the business model and concepts.
- Creates and implements the working business plan.
- Develops the marketing strategy of the company.
- Supports the middle management in consulting and training.
- Packages new services and new products for launch in year 2013.
- Monitors and controls the progress of the company.
- Sign agreements with more than 15 international and regional companies
- Register and qualify the company as a vendor in CTC, KOGC, KEC, SOC and KNPC.
- Conducts project management, training, and consulting services.
- Affiliates with and represents several international and local consulting and training agencies.
- Signs MOUs with several colleges and universities worldwide
- Manages proposal submittals and implementations.

2012 – 2013 **Industrial Quarry and Cement Company, Kuwait**

Aggregates production plant in Fujaira, UAE

Vice Chair

- Owner representation of 4.8 M KD capital business
- Initiate a legal plan to acclaim and restructure the company.
- Assess the manufacturing plant operational and management status.
- Take bold and calculated steps toward the corrupted environment in the company.

2010 – 2013 **Environment Preservation Industrial Company, Kuwait**

Construction waste recycling company

Chair

- Represent the major shareholder in the board of directors of 8 M KD capital business.
- Manage and direct strategically the BOT project of construction waste recycles plant.
- Organize and control the 140+ employees of the industrial recycling project.
- Create Corporate Identity for the organization.
- Set up and upgrade the corporate policy, procedures, and bylaws.
- Develop new products and services such as SDS and ECO-MIX
- Sign agency agreements with international environmental companies
- Speak in several environmental forums and panels regionally.
- Assist in nominating EPIC as one of the best solid waste management companies in GCC
- Enhance relations with government officials.
- Restructure of the recycle plant technically and administratively.
- Optimize the operation of the industrial facilities.
- Improve sales and marketing strategies.
- Deal with major administrative and legal issues
- Improve recycled products quality through manufacturing optimization.
- Increase the income of the company through receiving gate fee from incoming trucks.
- Improve sales in an economically hit market during 2010-2012
- Register the company in Tire Recycle pre-qualification with Kuwait Municipality
- Manage the company to be awarded ISO 9001, ISO 14001 and ISO 18025

2009 – 2013 **Arab International Company for Industrial Projects, Kuwait**

Construction waste recycling company

Vice Chair (2009-2010), Technical Consultant (2012-2013)

- Set up the public relations strategy.
- Support the management in restructuring.
- Assist in the process technology.
- Improve the bylaws and regulations.

- Enhance management performance through continuous technical support.
- Commission technically halted and broke the production line in the recycle plant.
- Increase the plant performance capability of the recycle plant using optimization techniques.

2008 – 2011 Al-Dhow for Environmental Projects, Kuwait

International environmental projects company

Board Member

- Represent Industrial and Financial Investment Company
- Consult in solid waste management.
- Assess new environmental technologies.
- Participate in new investment assessment.
- Support the executives with existing industrial investments.

2004 – 2010 Star Group Company, Kuwait

General trading and contracting company.

Board Member

- Improve the company sales of 150+ Industrial, residential, and commercial lands outside Kuwait.
- Manage an event management tender.
- Establishes an industrial and commercial land asset portfolio.

ADVISORY, TRAINING AND CONSULTING EXPERIENCES

ADVISORY POSITIONS

2014- 2015 **The State Minister of Planning and Development Affairs, Kuwait** –Her Excellency Ms. Hind Alsubeeh

Advisor

- Assessing the Consultants Administrations in the Ministry in workflow optimization
- Providing project management training to the Consultant Administration engineering staff
- Participating in the Optimization of Government Projects Workflow committee assigned by the Ministries Council
- Developing scenarios for government projects and programs management workflow
- Assessing the strategic planning monitoring system of Kuwait Development plan “MONITOR”
- Creating the selection criteria and recruitment system of the Executive Program Manager for MEGA projects and programs in Kuwait
- Developing the training program for Consultant Department’s administrators, engineers, and professionals
- Development program of CSC and Consultants Administration
- Monitoring, benchmarking, and following up recent strategic projects in Kuwait Development Plan

Sept. 2003- Apr. 2005 **Office of Vice President for Academic Affairs, Kuwait University, Kuwait** –Dr. Fuad Alasfour

Advisor

- Drafting the Kuwait University Academic Strategy Plan (2006-2025)
- Doing SWOT analysis of Kuwait University status
- Participating and conducting brainstorming session in task focused committee
- Creating a new skeleton of Kuwait University strategy basing its philosophy on stakeholders
- Outlining the new objective of the strategy based on the suggested and approved skeleton.
- Describing action programs that align with the suggested and approved objectives.
- Proposing quantitative and measurable metrics for each objective
- Designing a balanced scorecard system for the strategy plan

CONSULTING PROJECTS

Selected consulting projects engagements, implemented for government and private organization.

- Kuwait Industries Union, Strategic Support Center (2012-2013)
- Kuwait National Focal Program (KNFP) Pre-Qualification standard and Tender Evaluation (2010-2011) – Lead Consultant
- KPC Fundamental Engineering Examination (2010) - Lead Consultant
- Ports Security Technical and Financial Proposal (2008-2009) – Lead Consultant
- Academic Plan for the Kuwait Academy of Fire Sciences (2006-2012) - Consultant and Project Manager
- Assessment and Improvement of Delivery Techniques in KPC-PTC Technical Courses (2005) – Project Manager

TRAINING COURSES

Since 2002, I provided more than 90 courses and workshops in several management and engineering area to train more than 1000 professionals, engineers, and managers. The training courses or programs were conducted in collaboration with well-qualified trainers. Some of these courses were conducted in English and/or Arabic.

Professional Certifications Training Courses

1. **PE®: Professional Engineer in Chemical Engineering Exam Preparation** (with Prof. Riazi, Prof. Baker)
Mar 9-13, 2008
2. **PMP®: Project Management Professional preparation examination workshop**, offered to Public and Private sectors (with Dr. Souhaila Al-Mutawaa, Prof. Ravi Jain, Prof. Manar Shami)
Jan 6-11, 2007, Apr 14-26, 2007, May 12-23, 2007, May 26-Jun 6, 2007 (KOC), Oct 21-25, 2007 (KISR), Oct 21-Nov 1, 2007, Jan 13-24, 2008, Feb. 27 – Mar 7, 2008, Mar 23- Apr 4, 2008, May 25- Jun 5, 2008, Nov 9-20, 2008 (MPW), Jan 11-22, 2009, Mar 1-12, 2009, April 26-May 7, 2009, Oct 18-22, 2009, Nov 1-12, 2009, Nov 15-19, 2009 (MEW), Dec 21-24, 2009 (KOC), Jan 16-21, 2010 (KIB), Feb 14-18, 2010, April 4-8, 2010 (GB), May 1-8, 2010 (KNFP), May 9-20, 2010, May 30- June 10, 2010, June 27-July1, 2010 (KIB), Nov 1-5, 2010 (GB), Nov 21 - Dec 2, 2010, Nov 28 - Dec 2, 2010 (KEC), Mar 6-17, 2011, Apr 3-7, 2011 (GB), May 15-19, Jun 10-20, 2012 (VIVA)
3. **PMP® EXAM Workshop**, offered to Public and Private sectors,
April 27, 2007, May 17-Jun 24, 2007, Dec 9-13, 2007, May 4-8, 2008, May 1-4, 2011 (KERP)
4. **PRINCE2®: Project In Controlled Environment** Pre-Course Study, Foundation and Practitioner, (with Dr. S. Almutawaa)
Jan 16-20, 2011, June 16 – 27, 2013, Sept 15-26, 2013, Sept 29 - Oct 10, 2013 (MOI)
5. **HPT®: Human Performance Technology** (with Dr. Souhaila Almutawaa)
April 11-13, 2011 (Edara) Oct 10-13, 2014 (KIU)
6. **C3P®: The Competent Professional Certification**: Module 1: Communication, Leadership and Management. Module 2: Creative Problem Solving. Module 3: Competency in Project Management

7. **mini MBA®: Intensive 100 hours training on Business Administration: 8 Modules** (with Eng. Fahad Alajmi)
Nov 29 – Dec 10, 2014 (MOI)

Professional Development and Management Courses

8. **Innovation Ecosystem** (Arabic) – Kuwait Industrial Union
October 10th, 2015
9. **Feasibility Studies** (Arabic) – Kuwait Industrial Union
Oct 3-7, 2012, June 9-11, 2013
10. **How do you grow and sell your Small Business?** (Arabic)
Oct 7-12, 2012, Oct 15-19, 2012, Oct 22-26, 2013
11. **Creativity in the Workplace for Engineers and Professionals** (with Dr. A. Ibrahim, Dr. S. Almutawaa, Dr. A. Elkamel and Dr. C. Baker, Dr. B. Hajji and Dr. Naser Zaeri, Dr. Salah Al-Fadhly, Dr. Ammar Al-Sairafi, Eng. Homood Alsallal)
Dec 28, 2000 - Jan 1, 2001. Dec 27-31, 2003, Dec. 27-31, 2003. Feb 5-9, 2005. Mar 5-9, 2005. Nov 26-30, 2005. Mar 4-8, 2006. Jun 3-7, 2006. Nov 4-8, 2006. May 12-16, 2007, Nov 11-15, 2007, Feb 10-14, 2008, Nov 9-13, 2008, Nov 23-27, 2008. May 2-6, 2010.
12. **Creative Problem Solving, Workshop** at the first conference of insights on successful engineering practices, Beirut, Lebanon 2004
Jan 27-29, 2004
13. **Creativity, Communication and Leadership, Workshop** at International Conference of Engineering Education and Training, Kuwait 2007 (with Dr. Adam Al-Mulla and Dr. A. Allah Ebrahim)
April 9-11, 2007
14. **Leadership in Engineering Practices** (with Dr. Adam Al-Mulla, Dr. Jafar Ali, Dr. Khaled Al-Rasheed, Dr. Bader Hajji, Dr. Souhaila Almutawa)
May 6-10, 2006. May 1-5, 2007, Mar 9-13, 2008, Mar 15-19, 2009.
15. **Strategic Management and Decision Making** offered to Ministry of Oil, middle management.
Mar. 9-26, 2005.
16. **Essentials of Japanese Management.** (with Dr. Souhaila Almutawa and Dr. Bader Hajji)
Mar 1-5, 2009, Mar 7-11, 2010, Mar 18-22, 2012, March 24-28, 2013, March 20-24, 2014
17. **Technical Report Writing Program** (KPC) (with Dr. Sam Toglow, Eng. Bader Musair) -
Nov 4-7, 2009. Dec 21-24, 2009, Mar 15-18, 2010, May 3-6, 2010, June 14-17, 2010.
18. **Crisis and Disaster Management** (with Dr. Mubarak Alazmi)
March 14-17, 2011 (Amiri Guards)

Project Management Courses

19. **Complete Course in Project Management**, Fundamental and Practitioner
Dec 22-26, 2013 (CMA)
20. **Excellence in Project Management**, (with Prof. Tabatabaei)
Nov. 7-11, 2010
21. **Project Management Fundamentals**, Effective Project Management for Professionals, (with Dr. Souhaila Al-Mutawaa)
July 16-20, 2005 (Axis), Mar 9-13, 2008 (PHA), Sept. 20-22, 2010 (JO), Sept 26-30, 2010 (KU), Mar 13, 2011 (MEW) Feb 11-12, 2014 (KIU)

Technical and Chemical Engineering Courses

22. **Basic Oil Industry: Upstream and Downstream** – KPC (with Dr. A. Allah Ebrahim)
May 3-7, 2003. Dec 21-24, 2003. Dec 12-15, 2004. May 27-28, 2012.
23. **Polymers: Synthesis, Characterization and Processing** (with Dr. Adam Al-Mulla)
Feb 28 - Mar 3, 2004. (EQUATE and KISR)
24. **Preparation of Chemical Engineers at Ministry of Public Works: Wastewater Engineering** (with Dr. Adam Al-Mulla)
Feb 13-23, 2005.
25. **Environmental Impact Assessment** (with Dr. Jasem Al-Homood)
Oct 26-30, 2008 (MPW)
26. **EQUATE Chemical Engineers workshops**
- *Distillation technology workshop, Apr. 24-26, 2011.*
 - *Fluid Flow workshop, May 17-19, 2011*

PROFESSIONAL AND COMMUNITY EXPERIENCE

BOARDS

- IDC Kuwait Advisory Council, *Member* (2023-2024)
- The Conference Board, *Advisory Board member* (2018-2023) *Chairman* (2024-present)
- College of Business and Economics, American University of Kuwait, *Advisory Board member* (2016-present)
- Center of Excellence in Management, College of Business Administration, Kuwait University, *Board of Trustee member* (2021-2022)

PROFESSIONAL ACTIVITIES

- Kuwait Sustainable Development Award (KSDA) Member of Judging Committee (2018- 2019)
- Kuwait Distinguished Women Award (KDW), Member of Judging Committee (2018- 2019)
- Higher Committee for the Kuwait Public Relation & Customer Services Award (2017-2019)
- Entrepreneurs Factory, Kuwait Industries Union – Judge (2015)
- Intel International Engineering and Science Fair, San Francisco, USA – Judge (2014,2015)
- Kuwait Engineering and Science Fair – Science Club, Judging committee coordinator (2013-2014)
- Kuwait Annual Pre-Engineering Design Competition, 6aga and Shell, Judging Committee Coordinator (2010-2013)
- Kuwait Engineering and Science Fair – Science Club, Judging committee coordinator (2012-2013)
- Kuwait Chemistry Award – Science Club, Kuwait, Referee (2012)
- Energy Outlook in the Gas Industry – Shell lecture, Moderator, Kuwait (2011)
- Doha Debates with Tim Sebastian special event on “Nuclear Initiative in Kuwait,” Kuwait (2011)
- Kuwait Science Fair, ExxonMobil, Ambassador and Judge, Kuwait (2009-2012)
- Automation Best Practices Community, Kuwait Petroleum Corporation (member) [2010-present]
- Performance Management Best Practices Community, Kuwait Petroleum Corporation (member) [2009-present]
- Project Management Best Practices Community, Kuwait Petroleum Corporation (member) [2008-present]
- Selection Committee Panelist, Legal and Business Fellowship Program, MEPI of the U.S. Department of State, Kuwait Jan 5, 2009.
- Inventions Examiner, the Second International Invention Fair of the Middle East. Science Club, Kuwait, November 9 – 13, 2008
- Head of organizing committee, Alternative Water Source Symposium, Kuwait Chemical and Petroleum Engineers; Kuwait Society of Engineers, Kuwait; [2006-2007]
- Member, Engineering Academic Council, Kuwait Society of Engineers, Kuwait; [2005-2009]
- Inventions Examination Committee Coordinator, the First Regional Conference for Talented and Gifted People. Crown Plaza Hotel, Kuwait, May 2 - 4, 2005
- First Gulf Competition of Mechanical Engineering Graduates Competition Committee Coordinator, International Mechanical Engineering Conference; Kuwait; Dec 5-8, 2004
- Founding member and President of Kuwait Chemical and Petroleum Engineers; within Kuwait Society of Engineers, Kuwait; [2004-2007]

INVITED LECTURES AND SEMINARS

As a part of societal and professional voluntary services, I accepted the invitations to participate as a keynote speaker or panelist. Selected lectures are mentioned below.

Academic and Professional Lectures and Seminars

- My personal Experience in Canada, Canadian Alumni Network. January 1st (2023)
- Understanding the Public Project Workflow, AIChE – KU chapter – Speaker (2014)
- Public Project Workflow, Kuwait University, – Speaker (2014)
- Leadership in Engineering, Toastmaster, Wara Club, Kuwait – Speaker (2014)
- Post-Oil Era Engineering Education, Peak Oil: Challenges and Opportunities in the GCC Countries Conference, Doha, Qatar – Speaker (2013)
- Professional Ethics in the Private Sector. 8th Employment Fair, Kuwait – Keynote Speaker (2012)
- Engineering Education, Engineering Initiatives, Kuwait Engineers Society, Kuwait. – Panelist. (2012)
- Environmental Crises and Disasters. 2nd Environmental Month conference, Kuwait – Keynote Speaker (2012)
- Panelist - Green Middle East Forum for Environmental Change, Sharja, UAE (2012)
- Panelist - Petroleum and Industrial Forum, panelist (2012)
- Panelist – Sullivan and Foster Investment in Environment Industries, Dubai, UAE (2012)
- Environment Business Investment, 1st Environmental Month conference, Kuwait – Keynote Speaker (2011)
- Recycling Business in Kuwait, Kuwait Environment Water and Energy (KEWE) conference, Kuwait -Keynote Speaker (2011)
- Programmatic Quality Assurance Project Plan, KERF Programmatic Plan Workshop, Kuwait – Speaker (2010).
- The uses of Construction Demolition Waste Recycle products in Kuwait, 1st Construction and Building Materials Exhibition, Kuwait – Keynote Speaker (2011)
- Construction “Waste” Recycle Plant. AIIP Experience in Kuwait, Waste Summit 2010, Dubai, UAE – Keynote Speaker and Panelist (2010).
- Panelist and Keynote speaker – Waste Management conference, Dubai UAE (2009)
- Creating Value through Human Performance Improvement. 2nd Mina Abdullah Refinery Performance Improvement Symposium, KNPC, Kuwait – Keynote Speaker (2009)
- Myths and Facts about Leadership, US Education week, Secretary of State, AMIDEAST, Kuwait – Keynote Speaker (2009)
- PMP: Tips and Exam taking strategies. Engineering Division Managers, CTCL, Taipei, Taiwan (2008)
- PMP: Definitions, Processes and Knowledge Areas. Engineering Division Managers, CTCL, Taipei, Taiwan (2008)
- DNA Charge Reversal, application to gene therapy. Physics Department, Muscat University, Muscat, Oman (2007)

- Professional Chemical Engineer: Knowledge, Communication and Ethics Chemical Engineering Department, University of the United Arab Emirates, Al-Ain, UAE (2005)
- Phase Behavior of Polyelectrolyte Solutions Chemical Engineering Department, King Fahad University of Petroleum and Minerals, Dhahran, Saudi Arabia. (2002)

Invited Public Lectures and Seminars

- Debating the National Development Plan, Debate Team, PAAET October 7th, 2023
- My Major is my future for Newly graduated high school students – Engineering Studies (Arabic) Kuwait Cultural Society, Kuwait (2014)
- Nanotechnology (Arabic) Aneesa bint Khubaib, Al-Fintas, Alhamdi District, Kuwait (2010)
- Understanding Project Management, YES group, AMIDEAST, Kuwait (2009)
- Strategies of Creative thinking and problem solving without limit (Arabic), Kuwait Teachers Society, April 28-30, Kuwait (2008)
- Time Management for Students Advisory and Counseling symposium April 30, AMIDEAST, Kuwait (2008)
- Grades or Knowledge oriented students! 12th Admission Exhibition, College of Engineering and Petroleum, Kuwait University (2008)
- Global Skills in International Studies, International Education Week Nov 4-8, AMIDEAST, Kuwait (2007)
- Thinking without bounds (Arabic), Tanweer Society, Kuwait (2007)
- The Reality of University life for the high school students (the Shock). The Eleventh Admission Exhibition, College of Engineering and Petroleum, Kuwait University (2007)
- Creativity, Communication and Leadership (Arabic), Workshop organized by Labor Union Education Institute, Kuwait (April 28- May 1, 2007)
- Privatization and its influence on the labor force (Arabic) Workshop organized by Labor Union Education Institute, Kuwait (2007)
- Environment and Future Fuels Omariya High School, Ministry of Education, Kuwait (2004)
- Dailies of Engineering Students The Seventh Admission Exhibition, College of Engineering and Petroleum, Kuwait University (2004)
- Professionalism in Engineering First Meeting of Student Professional Societies, College of Engineering and Petroleum, Kuwait University (2003)
- Coming to the College of Engineering National Union of Kuwaiti Students, Kuwait University (2003)
- Orientation to Engineering for the newly admitted students Society of Engineering and Petroleum, College of Engineering and Petroleum, Kuwait University (2003)
- The relationship between the student and the doctor The Sixth Admission Exhibition, College of Engineering and Petroleum, Kuwait University (2003)

PROFESSIONAL ACHIEVEMENTS AND RECOGNITION

- Founding member of Kuwait Science and Technology Society (2019)
- Founding member of Kuwait Project Management Society (2017)
- Founding member of the Independent University Group – University Faculty Association (2010)
- Founding member of SYNERGY: Complex Networks Research Group, <http://synergy.kuniv.edu> (2009)
- Founder of the American Institute for Chemical Engineers – Kuwait University Student Chapter (2009)
- GCC Arbitrator and Expert – GCC Commercial Arbitration Centre (2009)
- Founding member of the Association for the Study of Peak Oil (ASPO) – Kuwait chapter (Spring 2008)
- Project Management Professional (PMP), Project Management Institute, USA (2007)
- Consult Engineer (CEng), Kuwait Society of Engineers, Kuwait (2007)
- Founding member and President of the Kuwait Chemical and Petroleum Engineers league at the Kuwait Engineers Society, Kuwait, (2004-2006)
- Founding member of the Arab Union of Chemical Engineers, Egypt, (March 2002)
- Dean Honor List, University of Toronto, Ontario, Canada (1991,1992)
- Dean Honor List, University of Ottawa, Ontario, Canada (1989)
- Honor List, Al-Qurtubi High School, Hawally Education District, Ministry of Education, Kuwait (1983-1987)

PROFESSIONAL AND SELF-DEVELOPMENT COURSES

Course and Programs that I attended and participated in as a part of personal professional development

1. Human Capital, IMF and WBG (2022)
2. Orientation on KIA's Companies for Board Member (2022)
3. Artificial Business School Program for Government Leaders, Microsoft-INSEAD (2021)
4. Emerging Market Entrepreneurship, Harvard Business School (2020) – Edx certification
5. Handling Difficult Project situations (Mark Waldof), PMI Webinar (2017)
6. Bioinformatics (S. Amyes), Kuwait (2013)
7. IAEA energy tools (I. Khamis), Kuwait (2012)
8. Philosophy of Sciences, (Mr. Mardoshti), Tanweer group, Kuwait (2011)
9. PRINCE2® 2009: Foundation and Practitioner (Mr. Haden), Knowledge Academy, Kuwait (2011)
10. Principles of Islamic Economy (Prof. Mohammed Ameen Alqattan), OCCD, Kuwait (2010)
11. Value Engineering MOD I (Prof. Fawaz Alenzi and Dr. Ayed Als Salman), OCCD, Kuwait (2009)
12. Project Management Courses, University of Maryland, online (2009)
 - a. Introduction to Project Management, John Cable
 - b. Project Management Administration, Neil Schulman
 - c. Operations Research in Project Management, Steven Gabriel
13. Certified Arbitrator Training Courses, GCC Arbitration Centre Kuwait [2008-2009]:
 - a. Management of Arbitration, (Yosef Alsolaili and Abdulaziz Taher)

- b. Arbitration Verdict Preparation, GCC (Mohammed Abdulraoof)
- c. Arbitrator Preparation, GCC Arbitration center, (Aisha Al-Tuwajri and Obaid Alwasmi)
- d. Arbitrator Preparation, GCC Arbitration center, (Aisha Althwadi and A. Sattar Almulla)
- e. Arbitration Basics, GCC Arbitration center, (Aisha Althwadi and Mansour Alsaeed)
14. XXXVII Latin-American School of Physics, Theoretical Physics short courses series (2006)
 - a. The energy landscape for folding and function, José Nelson Onuchic
 - b. DNA Physics, an introduction, Renko de Vries
 - c. Nonextensive Statistical Mechanics, Constantino Tsallis
 - d. Protein hydration and its importance in functionality J. Raul Grigera
 - e. Van der'Walls Forces in Biomolecular Interactions, V. Adrian Parsegian
15. Interactive Learning Workshop, Center for Teaching Excellence, Office of Vice President for Academic Affairs Kuwait University, Kuwait (2005)
16. Intensive Spanish Language (Level I), College of Arts, The University of Auckland, Auckland, New Zealand (2005)
17. Intensive German Language Course, Berlitz Language Institute, Kuwait (2009)
18. Project Management Professional – Examination Preparation; Kuwait Society of Engineer, Kuwait (2005)
19. Active and E-Learning Workshop, Center for Teaching Excellence, Office of Vice President for Academic Affairs Kuwait University, Kuwait (2005)
20. Continuous Program Improvement: Developing the process, Office of Assessment, College of Engineering and Petroleum, Kuwait University, Kuwait (2005)
21. Continuous Program Improvement based on ABET Engineering Criteria 2000, Office of Assessment, College of Engineering and Petroleum, Kuwait University, Kuwait (2004)
22. Engineering Design Teaching, Office of Assessment, College of Engineering and Petroleum, Kuwait University, Kuwait (2004)
23. Teaching for Learning, Center for Teaching Excellence, Office of Vice President for Academic Affairs, Kuwait University, Kuwait (2004)
24. Introduction to Outcome-Based Course Assessment, Office of Assessment, College of Engineering and Petroleum, Kuwait University, Kuwait (2001)
25. C++ Programming, Office of Consultations and Career Development, College of Engineering and Petroleum, Kuwait University, Kuwait (2000)
26. Professional First Aid, Kuwait Institute for Scientific Research, Kuwait (1993)
27. Numerical Simulation, Kuwait Institute for Scientific Research, Kuwait (1994)
28. Scientific Research Requirements, Kuwait Institute for Scientific Research, Kuwait (1994)
29. High School Training Summer Program - Chemistry section, Kuwait Institute for Scientific Research, Kuwait (1986)