



## **ANNUAL REPORT**

2018-2019

**Faculty of Public Health  
Health Sciences Center, Kuwait University**

June 9, 2019

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# ANNUAL REPORT 2018-2019

## Faculty of Public Health Health Sciences Center, Kuwait University May, 2019

This report is a summary of the activities of the Faculty of Public Health (FOPH) at Kuwait University for the 2018-2019 academic year. Included are updates on the teaching programs, research strategies and priorities, collaborations with outside institutions, papers published, conferences attended, community service, and the teaching contribution to graduate and post graduate levels. While we continue to grow the staff in the FOPH, we have had a successful 2018-2019 academic year.

### 1. Executive Summary

At the beginning of the 2018-19 academic year, the FOPH had 10 appointed Faculty members with Prof. Harri Vainio as Dean. Over the past year, two new staff joined the faculty, one on full-time secondment and another Assistant Professor who transferred from the College of Life Sciences; and one faculty member retired.

The BSc in Health and Community Studies (BSHCS), which was launched in September, 2017, has completed its second year of classes. In addition, two new Masters in Public Health programs were initiated this academic year: one in Environmental and Occupational Health, and the other on Health Policy and Management.

During the 2018-19 academic year, the FOPH faculty members published 47 scientific papers in international journals and attended or contributed to over 40 local, regional, and international conferences and seminars.

The FOPH wants to extend the expertise of its academic staff to provide support, services, and collaboration in Kuwait's communities through various organizations. Colleges of Public Health around the world often function as a "hub" of collaboration among institutions that are focused on public health and the community. Such initiatives will be a gain for the FOPH, the university, the institutions it serves, and the population of Kuwait.

The challenge in public health today is to produce knowledge on prevention and health protection and to act on that knowledge. As with many fields, Public Health has faced a history of long delays from the discovery of new information to its translation into public health practice. A healthy population is an important factor for sustainable growth and productivity in any society. The Public Health community in Kuwait can make an important contribution in Kuwait in realizing the potential of public health, making the public healthy by using the tools and knowledge already accumulated. By converting the already known evidence into action, a large fraction (up to 50%) of disease and injuries in Kuwait could be avoided, and life expectancy extended. This is the goal towards which the FOPH is working.

## 2. Introduction

Kuwait has experienced a rapid economic, sociodemographic and epidemiological transition during the past five decades. Population health in Kuwait has improved dramatically over the last two generations, with life expectancy at birth increasing from approximately 50 years to 78 years. However, the occurrence of non-communicable diseases (NCDs) has exploded during the last decades, especially those of cardiovascular diseases, diabetes and cancer. In addition to NCDs, non-intentional injuries caused by road traffic accidents and work injuries are an important cause of death and ill-health.

Much of the ill-health and injuries that occur in the **community** are caused by human behaviors and environmental hazards. While hospitals and clinics provide **cures** for some of these conditions, only interventions in the communities and in society can **prevent** the rise in their incidence rates or enhance the **well-being** of the population. Public health is best achieved through the adoption of a healthy public policy, not only by the Ministry of Health, but also contributed significantly through all government ministries as well as non-governmental organizations (NGOs).

The new Faculty of Public Health (FOPH) provides training for a public health work force that focuses on Kuwait's communities to strengthen its ability to promote health and well-being, prevent disease, and protect the health of its communities, hence improve the quality of life.

The FOPH aims to fulfill the expectation expressed in the above targets and achieve its objectives by:

- 1) Attracting and training future experts and a workforce in public health and community studies;
- 2) Strengthening research on public health outcomes;
- 3) Providing professional training in public health and health system administration; and
- 4) Providing expertise to public health institutions in Kuwait through community service.

## 3. Academic and Professional Training Programs.

The FOPH seeks to attract and train future experts in public health and community studies. This will be done through offering degree programs at the Bachelor, Master, and Doctoral levels.

### 3.1 BSc Degree in Health and Community Studies

#### **a. Mission of the BSc Program**

The mission of the BSc program in Health and Community Studies (BSHCS) program is to produce graduates who can add value to healthcare community organizations and private sector companies by enabling them to address community health problems; by preparing them for career advancement through experience in healthcare and community service or for post-graduate training in Public Health or related fields; by providing a modern educational environment including problem-based learning, small group dynamics, opportunities for research and public health practice experiences, and an atmosphere of community service; by equipping them with concrete transferrable skills needed to function effectively in the current business world; and by inculcating values of professionalism, social responsibility, ethical practices, strong teamwork, and professional communication.

**b. BSc Program**

The inaugural Year 1 of the BSc program was initiated in September, 2017, and the inaugural class has now completed Year 2 of the program. The courses have run smoothly, and the BSc students have expressed their enthusiasm and satisfaction with the program through both semesters. Courses included:

**YEAR 1 32 Credit Hours**

**Semester 1 (16 CH)**

Course #	Course name	CH/Contact
1910-111	Conceptual Foundations of Health	3 / 3
1940-121	Nature of Communities	3 / 3
1930-151	Data and Statistics	3 / 4
1900-191	Study Skills 1	2 / 3
ELU-181	English 1	5 / 5

**Semester 2 (16 CH)**

1940-171	Biology, Brain and Behavior	3 / 4
1940-122	Practicum: Discovering Communities	2 / 3
1940-172	Communicating: Theory and Skills	3 / 4
1930-152	Statistics for Public Health	3 / 4
ELU-182	English 2	5 / 5

**YEAR 2 32 Credit Hours**

**Semester 1 (16 CH)**

1900-281	Human Biology and Pathophysiology	3 / 4
1930-241	Introduction to Epidemiology	3 / 4
1940-271	Changing Behaviors: Theory and Practice	2 / 3
1900-291	Health and Community Ethics	3 / 3
ELU-183	English 3	5 / 5

**Semester 2 (16 CH)**

1900-282	Infectious Diseases	3 / 4
1900-283	Chronicity and Non-Communicable Diseases	3 / 3
1920-261	Introduction to Health Policy	3 / 4
1940-272	Teaching and Health	3 / 4
1900-292	Study Skills 2	2 / 3
1940-221	Practicum: Community Health Needs Assessment	2 / 3

All courses are required within the curriculum. The English courses are taught by the staff of the English Language Unit.

### **3.2 The Master of Public Health Programs (MPH)**

#### ***a. Mission of the MPH program***

Unlike most Science and Arts faculties, the majority of the graduate programs in Colleges of Public Health around the world are *professional*, not academic, in nature. The MPH, Dr.PH, and many PhD programs of the KU FOPH will not exist primarily to train academics to fill academic positions at the University, but to train *public health professionals* to practice Public Health and Healthcare Service Administration across Kuwait. This is an essential function of the FOPH that should be supported fully for the sake of improving health and quality of life of Kuwait's population. While the BSHCS will provide an essential entry-level workforce to work in health and community-related organizations, the MPH and Dr. Ph programs will provide the high quality public health professionals that Kuwait desperately needs to strengthen Public Health and Healthcare Service Administration in Kuwait.

The MPH program is considered the “flagship” training program in all Colleges of Public Health throughout the world.

The two new Masters of Public Health (MPH) programs were launched in September, 2018. This 1<sup>st</sup> MPH batch started with 13 students, that is, 8 students in Environmental and Occupational Health (EOH), and 5 in Health Policy and Management (HPM). After the 2<sup>nd</sup> semester, EOH program has now 6 students as one dropped and another postponed the course. In all, 10 students (5 in EOH and 5 in HPM) successfully presented their capstone project proposals in May, and they are now ready to start the capstone project research.

#### ***b. Recruitment and enrollment of students***

The 2<sup>nd</sup> MPH batch had 18 applications (4 in EOH and 14 in HPM). After interviews, 3 students in EOH and 7 in HPM were accepted, and will start the MPH program this coming September (2019). However, efforts are underway to have a 2<sup>nd</sup> window of recruitment of EOH applicants this summer since the EOH program did not receive the intended goal of 7 students.

### **3.3 Other Planned Academic and Professional Programs**

A range of other programs are planned and will be developed in due course, including the doctoral program in Public Health (Dr.PH), MPH in Public Health Nutrition and Public Health Promotion. In addition, a residency program in Occupational and Environmental Health, certificate courses, continuing professional education, and distance learning programs are to be introduced also.

## 4. Human Resources

### 4.1 Academic Staff

#### a. Current Faculty Composition

The table below presents the current status of current and recruited faculty members in the FOPH.

**Table 1.** Current Faculty Strength, as of May, 2019

Department	Currently Appointed
<b>Environmental/Occupational Health</b>	Dr. Janvier Gasana Associate Professor/Acting Chairperson  Prof. Harri Vainio Dean and Professor
<b>Epidemiology/Biostatistics</b>	Dr. Walid Al-Ali Associate Professor/Acting Chairperson  Dr. Mohammed Alkhamis Assistant Professor
<b>Health Policy and Management</b>	Prof. Syed Al-Junid Professor/Chairperson
<b>Public Health Practice</b>	Dr. Joseph Longenecker Associate Professor/Acting Chairperson  Dr. Manar Al-Awadhi Assistant Professor  Dr. Hala Al-Essa Assistant Professor
<b>Social and Behavioral Sciences</b>	Prof. Marwan Al-Sharbati Professor/Chairperson  Dr. Eleni Tolma Associate Professor  Dr. Dana Al-Tarrah Assistant Professor
<b>Faculty Administration</b>	Prof. Harri Vainio Dean Professor of Environmental and Occupational Health  Prof. Marwan Al-Sharbati Vice-Dean, Research and Post-Graduate Studies Professor of Social and Behavioral Sciences  Dr. Joseph Longenecker Vice-Dean, Academic Assoc. Prof. of Community Medicine, FOM

**b. Teaching Assistants**

The FOPH has appointed five teaching assistants to the Academic Staff, to assist in the teaching and running of the BSc and MPH courses, as follows:

**Table 3.** Current Teaching Assistants, as of May, 2019

<b>Department</b>	<b>Currently Appointed</b>
<b>Environmental/Occupational Health</b>	Mr. Abdullah Safar
<b>Epidemiology/Biostatistics</b>	Mrs. Nour Ben Haider
<b>Health Policy and Management</b>	Mr. Mohammed Al-Mari
<b>Public Health Practice</b>	Mrs. Maryam Al-Hamad
<b>Social and Behavioral Sciences</b>	Mrs. Qout Al-Mekhled

## **4.2 Administrative Staff**

A total of 14 administrative staff have been recruited in the following departments:

- Services Department (2)
- Finance Department (1)
- Academic Affairs (3)
- Accreditation (1)
- Student Affairs (1)
- Registration (1)
- Personnel (2)
- Public Relations (2)
- Dean's Office (4)



## 5. Undergraduate and Graduate Courses Taught

### 5.1 Courses Taught: Department of Environmental and Occupational Health

#### a. Undergraduate Courses

Vainio, H

- 1910-111: Conceptual Foundations of Health

#### b. Graduate Courses

Gasang, J

- 1950-501: Introduction to Environmental and Occupational Health
- 1900-501: - Public Health Biology
- 1950-532 - Exposure Assessment for Environmental and Occupational Health
- Examiner for FOPH MPH program

Vainio, H

- 1910-501: Introduction to Public Health Practice and Ethics

### 5.2 Courses Taught: Department of Epidemiology and Biostatistics

#### a. Undergraduate courses

Alali, W

- 1910-111: Conceptual Foundations of Health (Co-instructor)
- 1900-282: Infectious Diseases (Instructor)
- 1900-292: Study Skills 2 (Instructor)

Alkhamis, M

- 1930-151: Data and Statistics
- 1930-152: Statistics for Public Health
- 1900-281: Human Biology and Pathophysiology.
- 1900-241: Introduction to Epidemiology.
- 1410-144: Basic Epidemiology and Biostatistics (Biostatistics component)

#### b. Graduate Courses

Alali, W

- CGS-503: Ethics and Professionalism: Ethics in Islam (2 contact hours)
- CGS 2000-501: Scientific Writing and Communication Skills: Interview Skills (1 contact hour)
- Examiner for FOPH MPH program

### 5.3 Courses Taught: Department of Health Policy and Management

#### a. Undergraduate courses

##### Aljunid, S

- 1920-261: Introduction to Health Policy and Management - 3 CH
- 1910-111: Conceptual Foundations of Health – 2 lecture hours
- Year 5 CMBS Rotation (FOM): Lecture on Global Health
- Year 5 CMBS Rotation (FOM): Lecture on Health Economics
- Year 5 CMBS MSD (FOM): Lecture on Health Management

#### b. Graduate Courses

##### Aljunid, S

- 1920-501: Principles of Health Policy and Management - 3CH
- 0565-531: Introduction to Public Health (Health Policy and Management) -1CH
- 0565-582: Health Economics - 2CH
- 1920-501: Health Economics and Financing - 3CH
- 0565-545: Global Health - 2CH
- CGS-503: Ethics and Professionalism
- Examiner for FOPH MPH program
- Examiner for Faculty of Medicine CMBS MPH program

### 5.4 Courses Taught: Department of Public Health Practice

#### a. Undergraduate Teaching

##### Al-Awadhi, M

- 1940-171: Brain, Biology, And Behaviour

##### Alessa, H

- 1900-283: Chronicity and Non-Communicable Disease
- 1940-122: Practicum: Discovering Communities
- 1940-171: Brain, Biology, And Behaviour

##### Cash, K

- 1900-191: Study Skills I
- 1900-291: Health and Community Ethics

#### b. Graduate Teaching

- n/a

### 5.5 Courses Taught: Department of Social and Behavioral Sciences

#### a. Undergraduate Teaching

##### Al-Sharbaty, M

- 1940-122: Practicum: Discovering Communities (Course coordinator)
- 1940-272: Teaching and Health

Tolma, E

- 1940-121: Nature of Communities (Course coordinator)
- 1940-172: Communicating: Theory and skills (Course coordinator)
- 1940-272: Teaching and Health (Course Coordinator)

Al-Tarrah, D

- Course#: 1940-271: Changing Behaviors: Theory and Practice (Course coordinator)
- 1940-221: Practicum: Community Health Needs Assessment (Course coordinator)

**b. Graduate Teaching**

Al-Sharbaty, M

- 0565-531: Introduction to Socio-Demographic Factors in Public Health – 1 CH (Instructor)
- CGS-503: Ethics and Professionalism: Plagiarism - 3 contact hours (Co-course coordinator)
- 1940-501: Social and Behavioral Foundation of Public Health (Instructor)

Tolma, E

- CGS-503: Ethics and Professionalism: Code of Ethics in Research -The Belmont Report (3 contact hours)
- 2000-501: Role of listening in communication (3 contact hours)

## 6. Graduate Student Supervision

### 6.1 Graduate Students: Department of Environmental and Occupational Health

#### a. Supervision of MPH Capstone Projects

Gasana, J

- Hearing Loss among Migrant Workers at Shuwaiba Industrial Medical Center (SIMC) in Kuwait (MPH-EOH Student: Mariam Buqammaz)
- Diabetes Mellitus among Migrant Workers at SIMC in Kuwait (MPH-EOH Student: Anwar Ali)

#### b. Other graduate student supervision

Gasana, J

- Serving as *International Advisor* for 15 PhD Students who specialize in water and public health from the Ethiopian Institute of Water Resources (EIWR).

### 6.2 Graduate Students: Department of Epidemiology and Biostatistics

#### a. Supervision of MPH Capstone projects

Alkhamis, M

- MPH Capstone Project Supervisor
  - Energy drinks consumption Prevalence and Awareness among Kuwait University Undergraduate Students (Samah Alwattar)
  - Identification of RF associated with HTN in workers at Shuaiba Industrial Medical Center (Lubna Hazeem)

Alali, W

- MPH students (Kuwait University)- Main Supervisor
  - Assessing and comparing the levels of heavy metals of cultured and wild caught Yellowfin Seabream fish (Maha Altourah)
  - Assessing Bromate Levels in Bottled Drinking Water in Kuwait (Meshare Al-Qallaf)

#### b. Other graduate supervision

Alali, W

- PhD student (Food Safety-Qatar University)- Committee Member
  - A microbiological Risk Assessment at the Fresh Produce Wholesale Market in Doha (Israa El-Nemr)
- PhD student (Epidemiology)- Technical University of Denmark
  - Evaluate and Establish Surveillance programs of Salmonella in Imported Poultry Meat in Jordan (Tariq Hantesh)

### 6.3 Graduate Students: Department of Health Policy and Management

#### a. *Supervision of MPH Capstone Projects*

Aljunid, S

- Drugs Cost for Management of Hypertension and Cost Savings from Generic Substitution of Branded Drugs in Primary Healthcare Centers in Kuwait (Ayah Odeh)
- Assessment of managerial skills and leadership style of managers in public hospitals in Kuwait (Khaled Abdulghafoor)

#### b. *Other graduate student supervision*

Aljunid, S

- Assessing Patient Safety Culture and Related Barriers in Ministry of Health Hospitals in Kuwait (Kholoud G.S. Marzouq , MPH, Community Medicine Department, FOM, Kuwait University)
- A Study on Knowledge, Attitude, Practice and Barriers of Implementing the Baby Friendly Hospital Initiative (BFHI) among staff at the Maternity Hospital in Kuwait (Israh Ameraj, MPH, Community Medicine, FOM, Kuwait University)

### 6.4 Graduate Students: Department of Public Health Practice

#### a. *Supervision of MPH Capstone Projects*

- n/a

#### b. *Other graduate student supervision*

- n/a

### 6.5 Graduate Students: Department of Social and Behavioral Sciences

#### a. *Supervision of MPH Capstone Projects*

Al-Sharbaty, M

- Hanan Boudai. Relationship between Children's Oral Health Behaviors and Oral Health-Related Quality of Life in Capital Governorate, Kuwait. MPH Capstone Project, started in spring semester 2018- 2019.
- Jenan Jassim AL-Matrouk. Quality of life of Kuwaiti adult patients with Type 2 Diabetes Mellitus. MPH Capstone Project, started in spring semester 2018- 2019.

Tolma, E

- Jawaher Fajer. Factors contributing to Physicians adoption and satisfaction of Electronic Health Records in Kuwait Public Health Care: Case of Al-Jahra Hospital, Kuwait. MPH Capstone Project.

#### b. *Other graduate student supervision*

Al-Sharbaty, M

- Sana Al-abdulrazzak. A five-year retrospective descriptive study of occupational back injuries among the health-insured private workers in Kuwait. MPH Capstone Project (Department of Community Medicine, Faculty of Medicine), completed in December 2018.

## 7. Priority areas for Research and Development

Research is a priority for the FOPH, and it is considered as a basic component of the triad that the FOPH covers in its activities: research, teaching and community service. The FOPH has identified a research strategy formed around four initial themes:

1. Seeking a consensus among public and private key partners on priority targets for research in public health and community studies in Kuwait. The question to be answered is time-specific and subject to change. The critical and ubiquitous question is “what matters most now?”

State of Affairs: The FOPH’s conducted a Modified Delphi workshop survey, in collaboration with the MOH and KFAS (who funded the project), and the stakeholder consensus found the following top 5 research priorities:

1. Obesity (for all age groups)
  2. Diabetes
  3. Cardio & cerebral-vascular diseases
  4. Enforcement of laws, legislations and regulations regarding:
    - a. Road traffic accidents (RTAs): traffic and transportation, road safety
    - b. Environment contamination/pollution (water, air, noise, and soil),
    - c. Occupational health and safety (accidents, injuries, etc.)
  5. Cancer (lung, breast, prostate, colon, skin, etc.)
2. Developing multi-institutional action and research projects on priority issues, including
    - a. Unhealthy diet and physical inactivity: reduction of salt and sugar intake
    - b. Reduction of accidents on roads and at work
    - c. Tobacco use (including shisha): smoke-free work places and public places, bans on advertisement and promotion

State of Affairs: Several research projects are being prepared for funding from KFAS. Decisions on some of them are expected in the 2019-20 academic year.

3. Strengthening health systems through community service and sharing the faculty of Public Health expertise:
  - a. Improving health data for Kuwait (cancer registration, diabetes registration, surveillance, NCD mortality, accidents and injuries, etc.)
  - b. Understanding exposures in four domains:
    - i. Behavioural risk factors (tobacco use, physical inactivity, unhealthy diet, etc.)
    - ii. Occupational / Environmental exposures
    - iii. Metabolic risk factors: overweight, raised blood pressure, glucose, etc.
    - iv. Socioeconomic determinants: education, access to health care, etc.
  - c. Assessing cost and policies in health. Comparative cost analyses, cost-effectiveness and cost-benefit analyses in priority themes (prevention, vaccinations, screening)

State of Affairs: Consultations and negotiations with possible collaborators have been carried out. Proposal are currently being planned.

## 8. Funded and Unfunded Research Projects – 2018/19

### 8.1 Research Projects: Department of Environmental and Occupational Health

#### a. *Funded Research*

- n/a

#### b. *Research proposals (Submitted, funding pending)*

Gasana, J

- Study of excessive lead exposure among children in Kuwait Biological and Environmental Assessment [Joint proposal from FOPH (Faculty Of Public Health) Department of Environmental & Occupational Health and MOH (Ministry Of Health) Department of Environmental Health]. Submitted to KFAS in March 2019

#### c. *Unfunded Research*

- n/a

### 8.2 Research Projects: Department of Epidemiology and Biostatistics

#### a. *Funded Research*

Alali, W

- Estimating the burden of diabetes in Kuwait. Role: **Dr. Walid Alali**: Co-Investigator. Total budget: GBP 74,320.80. Funded by: LSE Health and Dasman Diabetes Institute.

Alkhamis, M

- Ecological and evolutionary dynamics of an emerging disease in cattle: Lumpy skin disease. Role: Dr. Mohammad Alkhamis: Co-PI. Total budget: \$30,000. Funded by: Animal health center seed money grants by UMN.

#### b. *Research proposals (Submitted, Funding pending)*

Alali, W

- Kuwait National Survey of Non-Communicable Diseases and their Risk Factors: A WHO STEPwise Approach to Surveillance (STEPS) Study, 2019. Role: Dr. Walid Alali: Co-Investigator. Total budget: KD350,145. Submitted to KAFS.
- A cost-effectiveness analysis of colorectal cancer screening (CRC) modalities in Kuwait and views of Primary Care Physicians and Patients on CRC. Role: **Dr. Walid Alali**: Co-Investigator. Total budget: KD 49,365. Submitted to KAFS. Kuwait Adult Diabetes Epidemiological Multidisciplinary (KADEM) Program. Role: **Dr. Walid Alali**: Co-Investigator. Total budget:KD 330,000. Submitted to KAFS.

#### c. *Unfunded Research*

Alkhamis, M

- Exploring the global evolutionary epidemiology of blue tongue disease virus.
- The use of machine learning for mapping the risk of blue tongue disease virus in Europe.
- Exploring the Features and Prospects of Phylodynamic Methods for Animal Disease Surveillance: Swine Influenza in United States as a Case Study.

### 8.3 Research Projects: Department of Health Policy and Management

#### a. **Funded Research**

Aljunid, S

- Psycho-education, Ethics and Cost-Benefit Analysis of Genetic Testing For Cancers. (Fund: Long-Term Research Grant, Ministry of Higher Education of Malaysia: USD 80,000)
- The Economic Burden Of Cognitive Frailty Among Elderly People In Malaysia (Ministry of Higher Education, Malaysia: USD 30,000)

#### b. **Research Proposals (Submitted, Funding pending)**

Aljunid, S

- A cost-effectiveness analysis of colorectal cancer (CRC) screening modalities in Kuwait and views of Primary Care Physicians and Patients on CRC
- Economic Burden of Diabetes on Kuwait Health Care System

#### c. **Unfunded Research**

Aljunid, S

- Assessing Patient Safety Culture and Related Barriers in Ministry of Health Hospitals in Kuwait
- Drugs Cost for Management of Hypertension and Cost Savings from Generic Substitution of Branded Drugs in Primary Healthcare Centers in Kuwait
- Assessment of managerial skills and style of government hospitals managers in Kuwait

### 8.4 Research Projects: Department of Public Health Practice

#### a. **Funded Research**

Alessa, H

- Sugary beverages and health: Formative research to implementing consumption-limiting public policies in Kuwait

#### b. **Research proposals (Submitted; Funding pending)**

- n/a

#### c. **Unfunded Research**

Alessa, H

- Fructose consumption and risk of coronary heart disease in US men and women



## 8.5 Research Projects: Department of Social and Behavioral Sciences

### a. **Funded Research**

#### Tolma, E

- Funding Source: National Cancer Institute of France  
Role: Collaborator-  
Title: Shared Online Decision Aid for better decision in breast cancer screening  
Project Principal Investigator: Dr. Patricia Villain  
Project timeline: 2019-2020.

### b. **Research Proposals (Submitted; Funding pending)**

#### Tolma, E

- Funding Source: Kuwait Foundation of the Advancement of Sciences  
Role: Principal Investigator (PI)  
Title: A cost-effectiveness analysis of colorectal cancer screening (CRC) modalities in Kuwait and views of Primary Care Physicians and Patients on CRC
- Funding Source: Kuwait Foundation of the Advancement of Sciences  
Role: Co-Investigator  
Project Co-PIs: Dr. Joseph Longenecker and Drs. Rihab Al-Wotayan  
Title: Kuwait National Survey of Non-Communicable Diseases and their Risk Factors: A WHO STEPwise Approach to Surveillance (STEPS) Study, 2019

### c. **Unfunded Research**

#### Al-Sharbaty, M

- A five-year retrospective descriptive study of occupational back injuries among the health-insured private workers in Kuwait. (Completed).
- Relationship between Children's Oral Health Behaviors and Oral Health-Related Quality of Life in Capital Governorate, Kuwait. (In process).
- Quality of life of Kuwaiti adult Type 2 Diabetes Mellitus patients. (In process).

#### Tolma, E

- Factors contributing to Physicians adoption and satisfaction of Electronic Health Records in Kuwait Public Health Care: Case of Al-Jahra Hospital, Kuwait.

## 9. Scientific Publications – 2018/19

### 9.1 Publications: Department of Environmental and Occupational Health

#### a. Peer-Reviewed Scientific Journal Publications

1. Girma M, Gobena T, Medhin G, **Gasana J**, Roba KT. Determinants of childhood diarrhea in West Gojjam, Northwest Ethiopia: a case control study. *Pan Afr Med J* 2018;30:234 PMID: 30574253 PMCID: PMC6295292 12/24/2018.
2. Beck-Sague CM, Arrieta A, Pinzon-Iregui MC, Ortiz B, Dean AG, Cuddihy A, **Gasana J**. Trends in Racial and Ethnic Disparities in Childhood Asthma in Miami, Florida: 2005-2013. *J Immigr Minor Health* 2018 Dec;20(6):1429-1437 PMID: 29290019 01/01/2018.
3. Al-Hemoud A, **Gasana J**, Al-Dabbous AN, Al-Shatti A, Al-Khayat A. Disability Adjusted Life Years (DALYs) in Terms of Years of Life Lost (YLL) Due to Premature Adult Mortalities and Postneonatal Infant Mortalities Attributed to PM and PM Exposures in Kuwait. *Int J Environ Res Public Health* 2018 11 21;15(11) PMID: 30469450 PMCID: PMC6265960 11/25/2018.
4. Mendy A, Forno E, Niyonsenga T, Carnahan R, **Gasana J**. Prevalence and features of asthma-COPD overlap in the United States 2007-2012. *Clin Respir J* 2018 Aug;12(8):2369-2377 PMID: 29873189 PMCID: PMC6287748 06/07/2018
5. **Gasana J**. Assessment of the Impact of Mining on the Environment and Health in DRC (Democratic Republic of Congo) *Occup Environ Med* 2018;75(Suppl 2):A1–A650
6. Mendy A, Forno E, Niyonsenga T, **Gasana J**. Blood biomarkers as predictors of long-term mortality in COPD. *Clin Respir J* 2018 May;12(5):1891-1899 PMID: 29227024 PMCID: PMC5991987
7. Girma M, Gobena T, Medhin G, **Gasana J**, Roba KT. Variations of Seasons on Childhood Diarrhea in West Gojjam, Northwest Ethiopia: A Longitudinal Study (Journal of Environment and Public Health – MS 1632865 under revision)
8. Infante, P.F., Melnick, R., **Vainio, H.**, Huff. J., IARC Monographs Program and public health under siege by corporate interests. *Am.J.Ind.Med.* 2018; 61: 277-281. (<https://doi.org/10.1002/ajim.2281>)
9. **Vainio, H.**, Zendehelel, K., Occupational/Environmental cancer at the International Congress on Cancer Prevention & Early Detection: A Workshop report. *Basic & Clinical Cancer Research* 9 (4) (2018)
10. Hemminki, K., **Vainio, H.** Anticancer agents: qualitative and quantitative aspects. In: (R.A.Baan, B.Stewart, K.Straif, Eds.) IARC Scientific Publications No.165, “*Tumour site concordance and mechanisms of carcinogenesis*”, Lyon, 2019, pp. 53-58.

#### b. Non-Peer Reviewed Publications

- n/a

#### c. Books

- n/a

## 9.2 Publications: Department of Epidemiology and Biostatistics

### a. Peer-Reviewed Scientific Journal Publications

1. **Alkhamis MA**, Fernández-Fontelo A, VanderWaal K, Abuhadida S, Puig P,Alba-Casals A (2018). Temporal dynamics of Middle East respiratory syndrome coronavirus in the Arabian Peninsula, 2012–2017. *Epidemiology and Infection* 1–10. <https://doi.org/10.1017/S0950268818002728>.
2. A Perez, J Alvarez, I Iglesias, K VanderWaal, F Mardones, **M Alkhamis**, E Rieder; 513 Food safety and animal health and production: one health, many challenges, no silver bullets., *Journal of Animal Science*, Volume 96, Issue suppl\_3, 7 December 2018, Pages 504, <https://doi.org/10.1093/jas/sky404.1101>.
3. G. Omondi, **M.A. Alkhamis**, V. Obanda, F. Gakuya, A. Sangula, S. Pauszek, A. Perez, S. Ngulu, R. van Aardt, J. Arzt, K. VanderWaal. Phylogeographic and cross-species transmission dynamics of SAT1 and SAT2 Foot-and-Mouth Disease Virus in Eastern and Southern Africa. *Molecular ecology*. Accepted.
4. **Alkhamis, M. A.**, Brookes, V. J., VanderWaal, K., eds. (2018). *Applications of Novel Analytical Methods in Epidemiology*. Lausanne: Frontiers Media. doi: 10.3389/978-2-88945-658-1.
5. Eltai, N.O., Asmaa A. Al Thani, Marwan A Abu Madi, Ahmed Ismail, Emad Ibrahim, Hadi M. Yassine, **Walid Q. Alali\*** (\*corresponding and senior author) (2018). Prevalence of antibiotic resistant *Escherichia coli* isolates from fecal samples of food handlers in Qatar. *Antimicrobial Resistance & Infection Control*. 7:78.
6. Beier, R., R. Harvey, T. Poole, M. Hume, T. Crippen, L. Highfield, **W. Q. Alali**, K. Andrews, R. Anderson, D. Nisbet (2019). Interactions of organic acids with vancomycin-resistant *Enterococcus faecium* (VRE) isolated from community wastewater in Texas. *J App Micro*. 126(2):480-488.
7. Qiao J, **Alali WQ**, Liu J, Wang Y, Chen S, Cui S, Yang B. (2018). Prevalence of Virulence Genes in Extended-Spectrum  $\beta$ -lactamases (ESBLs)-Producing *Salmonella* in Retail Raw Chicken in China. *J Food Sci*. 83(4):1048-1052.
8. Editorial: Chen, L. and **W. Alali** (2018). Recent Discoveries in Human Serious Foodborne Pathogenic Bacteria: Resurgence, Pathogenesis, and Control Strategies. *Frontiers in Microbiology* 9, 2412.

### b. Non-Peer Reviewed Publications

- n/a

### c. Books

- n/a

### 9.3 Publications: Department of Health Policy and Management

#### a. Peer-Reviewed Scientific Journal Publications

1. **Syed Mohamed Aljunid-GBD Health Financing Collaborator Network.** (2019) Past, present, and future of global health financing: a review of development assistance, government, out-of-pocket, and other private spending on health for 195 countries, 1995–2050. *Lancet* April 25<sup>th</sup>. [http://dx.doi.org/10.1016/S0140-6736\(19\)30841-4](http://dx.doi.org/10.1016/S0140-6736(19)30841-4)
2. Haliza Hassan and Aljunid SM (2019). Job satisfaction among Community-Based Rehabilitation (CBR) workers in caring for disabled persons in the east coast region of Peninsular Malaysia, *BMC Public Health* 19(208) 2-9
3. **Aljunid SM-GBD 2016 Neurology Collaborators** (2019). Global, regional, and national burden of neurological disorders, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet Neurology* 18: 459-480
4. **Aljunid SM-GBD 2017 Influenza Collaborators** (2019) Mortality, morbidity, and hospitalisations due to influenza lower respiratory tract infections, 2017: an analysis for the Global Burden of Disease Study 2017. *Lancet Respiratory Medicine* 7: 69-89
5. Aznida Firzah Abdul Aziz, Mohd Fairuz Ali, Mohammad Fhaisol Yusof, Zuraidah Che' Man, Saperi Sulong and **Aljunid SM** (2018). Profile and outcome of post stroke patients managed at selected public primary care health centres in Peninsular Malaysia: A retrospective observational study. *Scientific Report* 8: 17965: 1-8
6. **Aljunid SM – GBD 2017 Mortality Collaborators** (2018). Global, regional, and national age-sex-specific mortality and life expectancy, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 392: 1684-1735
7. **Aljunid SM-GBD 2017 Causes of Deaths Collaborators** (2018) Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 392: 1736-1788
8. **Aljunid SM-GBD 2017 Risk Factors Collaborators** (2018) Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 392: 1923-1994
9. **Aljunid SM-GBD 2017 Population and Fertility Collaborators** (2018). Population and fertility by age and sex for 195 countries and territories, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 392: 1995-2051
10. **Aljunid SM-GBD 2017 Disease and Injury Prevention Collaborators** (2018) Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 392: 1789-1858

11. **Aljunid SM**-GBD 2017 SDG Collaborators (2018) Measuring progress from 1990 to 2017 and projecting attainment to 2030 of the health-related Sustainable Development Goals for 195 countries and territories: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 392: 2091-2138
12. **Aljunid SM**-GBD 2017 DALYs and HALE Collaborators (2018) Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 392: 1859-1922
13. **Aljunid SM**-GBD 2016 Meningitis Collaborators (2018) Global, regional, and national burden of meningitis, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet Neurology* 17: 1061-1082.
14. **Aljunid SM** and Saad Ahmed Ali Jadoo (2018) Factors Influencing the Total Inpatient Pharmacy Cost at a Tertiary Hospital in Malaysia: A Retrospective Study. *Inquiry: The Journal of Health Care Organisation, Provision and Financing*. 55: 1-8
15. Aidalina Mahmud and **Syed Aljunid** (2018). The Uptake of Mammogram Screening in Malaysia and its Associated Factors: A Systematic Review. *Medical Journal of Malaysia* 73(4): 202-211
16. Sit Wai Lee and **Aljunid SM** (2018). Direct Cost of Drug Prescribing in the Outpatient Services of a Teaching Hospital in Malaysia. *Asia Journal of Pharmaceutical and Clinical Research*. 11(7): 120-124
17. GK Van, WY Sohn, **SM Aljunid**, R Soon, CM Yong, J Chen, IH Lee (2018). Comparative Cost-Effectiveness Analysis of Two Different Two-Dose Human Papillomavirus Vaccines in Malaysia. *Asian Pacific Journal of Cancer Prevention* 19 (4), 933-940
18. **Aljunid SM - GBD 2016 Alcohol Collaborators** (2018). Alcohol use and burden for 195 countries and territories, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet* 23<sup>rd</sup> August DOI:[https://doi.org/10.1016/S0140-6736\(18\)31310-2](https://doi.org/10.1016/S0140-6736(18)31310-2)
19. **Aljunid SM-GBD 2016 Mortality Collaborators** (2018). Global, regional, and national under-5 mortality, adult mortality, age-specific mortality, and life expectancy, 1970–2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet* 390 (10100): 1084-1150
20. A Rahimli, M Masrom, WNW Zakaria, **SM Aljunid** (2018) Research Trend on Cloud Computing in Malaysian Healthcare Sector. *Advanced Science Letters* 24 (6), 4034-4039
21. Aidalina Mahmud and **Aljunid SM** (2018) Availability and accessibility of subsidized mammogram screening program in peninsular Malaysia: A preliminary study using travel impedance approach. *PLoS ONE* 13(2): e0191764.  
<https://doi.org/10.1371/journal.pone.0191764>

22. Faisal Almaslami, **Aljunid SM** and Khalid Ghailan (2018). Demographic determinants and outcome of in vitro fertilization (IVF) services in Saudi Arabia. *Journal of International Medical Research*: 18:1–8 DOI: 10.1177/0300060517749329
23. S. A. Zafirah, Amrizal Muhammad, Sharifa Ezat Wan Puteh and **Aljunid SM** (2018) Potential loss of revenue due to errors in clinical coding during the implementation of the Malaysia diagnosis related group (MY-DRG®) Casemix system in a teaching hospital in Malaysia *BMC Health Services Research*. 18:(38): 2-11
24. Roszita Ibrahim, Amrizal Muhd Nur, S. A. Zafirah & **Aljunid SM** (2018) The Cost of Radiology Procedures Using Activity Based Costing (ABC) for Development of Cost Weights in Implementation of Casemix System in Malaysia. *Malaysian Journal of Health Sciences* 16(1) 2018: 155-162 DOI: 10.17576/JSKM-2018-1601-19
25. Azimatun Noor Aizuddin and **Aljunid SM** (2018). Willingness to Pay for Outpatient Services User Fees: Malaysian Community Perspective. *Malaysian Journal of Health Sciences* 16(1) 2018: 145-153

**b. Non-Peer Reviewed Publications**

- n/a

**c. Books**

- n/a

#### 9.4 Publications: Department of Public Health Practice

**a. Peer-Reviewed Scientific Journal Publications**

1. Al-Ozairi, E., **AlAwadhi, M. M.**, Al Kandari, J., Taghadom, E., Abdullah, M., & Le Roux, C. W. (2019). Photo-Assisted Dietary Method Improves Estimates of Dietary Intake Among People with Sleeve Gastrectomy. *Obesity Surgery*, 29(5), 1602-1606. doi: 10.1007/s11695-019-03736-4

**b. Non-Peer Reviewed Publications**

- n/a

**c. Books**

- n/a

#### 9.5 Publications: Department of Social and Behavioral Sciences

**a. Peer-Reviewed Scientific Journal Publications**

1. Al-Farsi OA, Al-Farsi YM, **Al-Sharbati MM**, Al- Adawi S. Sleep habits and sleep disorders among children with autism spectrum disorders, intellectual disabilities and typically developing children in Oman: A case-control study. *Early Child Development and Care*, Published online: 2018. <https://doi.org/10.1080/03004430.2018.1455671>

2. **Tolma, E.L.**, Stoner, J., Thomas, C., Engelman, K., Ji, L., Dichkov, A., Neely, N. ( 2018). Conducting a formative evaluation of an intervention promoting mammography screening in an American Indian community: The Native Women’s Health Project. *American Journal of Health Education*. 50:1, 52-65, DOI: [10.1080/19325037.2018.1552216](https://doi.org/10.1080/19325037.2018.1552216)
3. Cheney, M.K., Oman, R.O., Vesely, S, **Tolma, E.**, Aspy, C (2018). The prospective Association between negative life events and adolescent alcohol use. *Journal of Alcohol and Drug Education*. 62(1), 8-26.

**b. Non-Peer Reviewed Publications**

1. **Tolma, E;** Altawheed, E (October 15<sup>th</sup>, 2018). Cervical Cancer Control in Kuwait: It’s Time to Take Action! (In Arabic and English). Alanbaa and Alshahed newspapers (Local newspapers in Kuwait).

**c. Books**

- n/a

## 10. Conference Presentations – 2018/19

### 10.1 Presentations: Department of Environmental and Occupational Health

#### *Gasana, J*

1. **Gasana J.** OSH (Occupational Safety & Health) capacity building in the African mining and other sectors via Diaspora and e-Learning, invited oral presentation on behalf of MinOSH (ICOH Subcommittee) at SASOM/MEDICHEM joint congress, July 31- August 03, 2019, Protea Hotel by Marriott, Kempton Park, Gauteng, South Africa
2. **Gasana J.** Psychosocial Stress in the Workplace and Beyond Pathophysiological Mechanisms and Prevention/Control, invited oral presentation at Dasman Diabetes Institute, April 28, 2019 during Corporate Wellness Week (April 28 – May 2, 2019).
3. **Gasana, J.** Role of OSH Programs in the Sustainable Development through the 3 P's (People, Planet, and Profit). Oral Presentation at 2019 Gulf Health Exhibition & Conference, 10-16 April, 2019, at Hall 4A Kuwait International Fair, Mishref, Kuwait.
4. **Gasana, J.** Infection Control as an Integral Component of OSH in Healthcare Settings. Oral Presentation under Session 4 – Infectious Diseases in Hospitals, Sunday 24 March, 2019 9:00 am – 11:00 am at 1<sup>st</sup> Combating Infectious Diseases at Workplace Settings Conference & Exhibition 23-24 March, 2019 Radisson Blu Hotel Kuwait.
5. **Gasana, J.** Identification of Public Health Priorities, Barriers, and Solutions using Modified Delphi Method for Stakeholder Consensus in Kuwait. Poster Presentation at 24<sup>th</sup> HSC Poster Conference 2019, 12-14 March 2019 HSC Auditorium, Jabriya, Kuwait.
6. **Gasana, J.** Overview of OSH in Health Facilities. Joint Workshop - WHO Geneva (Dr Ivan Ivanov) and Kuwait University FOPH (Faculty Of Public Health) (Dr Janvier Gasana) at KIHSSSE (Theme: Transforming HSE Culture for a Resilient Future), February 20, 2019, 8:00 am – 3:00 pm at Jumeirah Messilah Hotel State of Kuwait.
7. **Gasana, J.** Role of Occupational Health & Safety Programs in the Sustainable Development through People, Planet and Profit. Oral Presentation under Environmental Sustainability Session, February 19, 2019 at Kuwait International Health Safety Security & Environment (KIHSSSE) (Theme: Transforming HSE Culture for a Resilient Future), 18-20 April, 2019 at Jumeirah Messilah Hotel State of Kuwait.
8. **Gasana, J.** Identification of Public Health Priorities, Barriers, and Solutions using Modified Delphi Method for Stakeholder Consensus in Kuwait. Oral Presentation on January 31, 2019 at 10:30 am at Arab Health Congress – Public Health Conference January 30-31, 2019 at Dubai World Centre
9. Nduwayo L, **Gasana J.** E-Hospital Africa, an innovative and technological service of African medical diaspora to contribute to the improvement of health care in Africa, oral presentation at the e-Learning Africa 2018, September 26-28, 2018, Kigali, Rwanda,



10. **Gasana, J.** Introduction to Systematic Reviews & Meta-analysis in Evidence-Based Medicine & Public Health. Oral Presentation at Dasman Diabetes Institute, Wednesday July 04, 2018 11:00 am – 12:30 pm.
11. **Gasana, J.** Assessment of the Impact of Mining on the Environment & Health in DRC. Oral Presentation at ICOH 2018 29 April – 4 May 2018 Session 43 (AS27) Mining OSH in Small & Large Mining.

Vainio, H

12. **Vainio, H.** *White Nights*. 4<sup>th</sup> St. Petersburg International Oncology Forum. July 5-8, 2018. (Invited speaker on "Prevention Paradox". Chairman of a session on cancer prevention.)
13. **Vainio, H.** Kuwait Health, Safety & Security Forum 2018, 24-25 September 2018. J.W.Marriott Hotel, Kuwait City (Invited speaker: "Evidence Informed Policy Making – An Ever escaping Target?")
14. **Vainio, H.** 6<sup>th</sup> Arab-American Frontiers in Science, Engineering and Medicine Symposium. 4-6 November 2018, Kuwait National Library, Kuwait (invited discussant on Air Pollution and Health)
15. **Vainio, H.** 3<sup>rd</sup> Kuwait International Conference on the Life Sciences (KICLS 2018), Kuwait City, 27-29 November, 2018. (Invited talk: "Prevention - Celebrated in principle, but not done in practice")
16. **Vainio, H.** Gulf Health Conference -2019. 9-10 April, 2019, Hotel; Four Seasons, Kuwait City, Kuwait.
17. **Vainio, H.** Dasman Diabetes Institute's Corporate Wellness Week. (Invited keynote " Wellbeing at Work in the 21<sup>st</sup> Century", April 28 2019).
18. **Vainio, H.** The 40<sup>th</sup> Annual Conference of the Finnish Society of Toxicology, Kuopio, Finland, May 13-14, 2019. (Invited keynote: "Evidence informed Policy Making – sailing between Scylla and Charybdis")
19. **Gasana, J, Vainio, H.,** Al-Qattan, M., Longenecker, J., Adam, B., Loneu, T.: Identification of Public Health Priorities, Barriers, and Solutions using Modified Delphi Method for Stakeholder Consensus in Kuwait. Poster at the 24<sup>th</sup> Health Sciences Center Poster Conference. Kuwait University, March 2019.

## 10.2 Presentations: Department of Epidemiology and Biostatistics

Alkhamis, MA

1. Oral presentation: **M.A. Alkhamis:** First conference for combating infectious diseases in workplace, Ministry of health. Lecture title: Applications of Modern Analytical Methods in Infectious Disease Surveillance under the Umbrella of One health. March 2019.
2. *Oral presentation:* **M.A. Alkhamis,** K. VanderWaal, V. Obanda, F. Gakuya, A. Sangula, E. Hartwig, S. Pauszek, G. Smoliga, B. Brito, A. Perez, J. Arzt, G. Omondi. Novel Insights into the evolutionary epidemiology of SAT1 and SAT2 Foot-and-Mouth Disease Virus in Eastern and Southern Africa, 2018, 15th International Symposium on veterinary epidemiology and economics, Chiang Mai, Thailand.

### 10.3 Presentations: Department of Health Policy and Management

#### *Aljunid, SM*

1. Aljunid SM (2019) Using Big Data for Quality and Efficiency of Hospital Services: The role of Casemix/DRG System. Paper presented in Gulf Health Exhibition and Conference. Kuwait City, Kuwait, 15<sup>rd</sup> April.
2. **Aljunid SM** (2019) Financing health in ASEAN: balancing equity, affordability and healthcare quality. Plenary Paper presented in 5<sup>th</sup> ASEAN Regional Primary Care Conference (ARPAC KL 2019) Kuala Lumpur Malaysia, 29<sup>th</sup> March.
3. **Aljunid SM** (2019) Economic Burden of Infectious Diseases Roles of Health Promotion and Prevention at Workplace. Paper presented in First Combating Infectious Diseases at Workplace Settings Conference and Exhibition. Kuwait City, Kuwait, 23<sup>rd</sup> March.
4. Kholoud Marzouq and **Aljunid SM** (2019) Assessing Patient Safety Culture and Related Barriers in the Public Hospitals in Kuwait. Poster Presented in 24<sup>th</sup> HSC Poster Conference, Kuwait University, Kuwait 12-14<sup>th</sup> March
5. Aljunid SS, **Aljunid SM**, Mohd Taib MZ, Abu Samah Z (2019) Factors Influencing Users' Satisfaction on Interior Design Quality Of Public Hospitals In Malaysia. Poster Presented in 24<sup>th</sup> HSC Poster Conference, Kuwait University, Kuwait 12-14<sup>th</sup> March
6. **Aljunid SM**, Tolma E, Amrizal MN, Longenecker JC, Mahmoud A and Al-Wotayan R (2019) Knowledge, Attitude and Practices of Colorectal Cancer Screening among Primary Physicians in Kuwait. Poster Presented in 24<sup>th</sup> HSC Poster Conference, Kuwait University, Kuwait 12-14<sup>th</sup> March
7. Junaidah K, Yahya NM, Adlina S, Zafirah SA and **Aljunid SM** (2019) Leadership Styles Of Managers and Its Contributing Factors In A Military Hospital in Malaysia. Poster Presented in 24<sup>th</sup> HSC Poster Conference, Kuwait University, Kuwait 12-14<sup>th</sup> March
8. Shaban F, Al-Matrouk J, Al-Tourah M and **Aljunid SM** (2019). Management Styles and Challenges in Providing Speech Therapy Services in Kuwait: A Case Study of Sheikh Salem Al-Ali Center of Audiology and Speech Therapy. Poster Presented in 24<sup>th</sup> HSC Poster Conference, Kuwait University, Kuwait 12-14<sup>th</sup> March
9. **Aljunid SM** (2018) Data Analytics: Application in Public Health and Policy Planning. Paper presented in Applied Healthcare Analytic Research Seminar, KFAS, Kuwait, 17<sup>th</sup> December
10. **Aljunid SM** (2018) Principles of Health Technology Assessment: Transparency, Equity and Methodologies. Paper presented in Asia Pacific HTA Symposium, Kuala Lumpur 16-17<sup>th</sup> November
11. **Aljunid SM** (2018) Clinical and Economic Value of HPV Vaccination. Paper presented in MOH CME Seminar, Kuala Lumpur, 16<sup>th</sup> November
12. **Aljunid SM** (2018) Development and Implementation of Casemix in Malaysia. Paper presented in World Bank Expert Meeting on DRG Development and Reform in South East Asia, Ho Chi Minh City, 1- 2 October
13. **Aljunid SM** (2018) Industrial Revolution 4.0 and Healthcare Delivery. Plenary paper presented in 7<sup>th</sup> International Public Health Conference, Kuala Lumpur 28-30<sup>th</sup> August.

14. **Aljunid SM** (2018). Development of Casemix System and Cost Analysis in Health Care System. Plenary paper presented in 3<sup>rd</sup> UMY Biannual International Conference on Medical and Health Sciences, 1-2 August
15. **Aljunid SM** (2018). Managing Health Economic Evidence for Health Policy. Plenary paper presented in 9<sup>th</sup> National Public Health Conference, Seremban, Malaysia, 16-18 July
16. **Aljunid SM** (2018). Using Big Data for Health Policy and Management. Keynote paper presented in 12<sup>th</sup> Postgraduate Forum in Health System and Policy, Kuala Lumpur, 2-3 July
17. **Aljunid SM** (2018). Skim Peduli Sihat V.S. Voluntary Health Insurance: Is it a sustainable Solution for Health Financing?. Plenary paper presented in 2<sup>nd</sup> International Health Financing Conference, Kuala Lumpur, 4<sup>th</sup>-5<sup>th</sup> July

#### 10.4 Presentations: Department of Public Health Practice

##### Al-Awadhi, M

- American Public Health Association (APHA) Annual Meeting and Expo. San Diego, CA. November 2018. Presenter “Diet quality using the Alternative Healthy Eating Index 2010 and change in body mass index among US children and adolescents.”

##### Alessa, H

- Presented on “Sugary beverage consumption and health: Formative research to implementing consumption-limiting public policies” at the Middle East Initiative, Harvard Kennedy School, Boston MA, May 2019.

#### 10.5 Presentations: Department of Social and Behavioral Sciences

##### Al-Sharbati M

1. I-Abdulrazzaq S, **Al-Sharbati M**: A five-year retrospective study of occupational back injuries among the health-insured private workers in Kuwait. The 24th HSC Poster Conference, Kuwait, 12-14 March 2019.

##### Tolma, E

2. Aljunid SM, **Tolma E**, Amrizal MN, Longenecker JC, Mahmoud A, Al-Wotayan R: Knowledge, Attitude and Practices of Colorectal Cancer Screening among Primary Physicians in Kuwait. Poster at the 24th Health Sciences Center Poster conference, Kuwait University, March, 2019.
3. **Tolma, E.L**, Thomas, C, Neely, N, Chery E, Edwards, T & Canfield V (2018). The development of a culturally sensitive brochure on breast health for American Indian women. Oral presentation. European Public Health Conference, Nov 28-Dec.1, Ljubljana, Slovenia. [abstract]. European Journal of Public Health, 2018. **28** (suppl\_4):doi:10.1093/eurpub/cky213.477.
4. **Tolma, E.**, Vesely, S, Oman, R, Boeckman, L & Aspy, C (2018). Examining longitudinal relationships between youth assets, tobacco use and the environment. Oral presentation. European Public Health Conference, Nov 28-Dec.1, Ljubljana, Slovenia. [abstract]. European Journal of Public Health, 28(suppl\_4). doi:10.1093/eurpub/cky213.513

## 11. Community Service, Collaboration, and Consultation

The FOPH extends the expertise of its academic staff to provide support, services, and collaboration in Kuwait's public and private sectors. Different ministries and organizations, as MOH, MOE, KOC, KISR, and various NGOs are in desperate need for the competencies available in the FOPH. Worldwide, colleges of Public Health often function as a center of collaboration among institutions that are focused on public health and the community development. Such initiatives will be a gain for the FOPH, the university, the institutions it serves, and the population of Kuwait.

The FOPH in Kuwait works in close collaboration with other research teams inside and outside of the Kuwait University. Important partners outside the Kuwait University include the Ministry of Health and other ministries (e.g., Ministry of Education, Ministry of Social Affairs and Labor), the Dasman Diabetes Institute, KISR, KOC and KFAS. In addition, the FOPH is collaborating with some non-governmental organizations (NGO's) including the Kuwait Autism Center, the Kuwait Red Crescent Association, and the Kuwait Society for Anti-Smoking and Cancer.

The research collaboration will extend to cover GCC countries, as they have similar public health problems, as cardiovascular diseases, diabetes, and non-intentional injuries, mainly road accidents. They share also common risk factors, as unhealthy life behaviors, such as lack of physical exercise, overeating, poor stress management and smoking, leading to overweight and obesity, cardiovascular disease and cancer.

The Memorandum of Understanding between the Dasman Diabetes Institute and the Health Science Center, Kuwait University was signed by Professor Adel Al Awadhi, Vice-President, HSC and Dr Qais Al-Duwairi, Director General of the Dasman Institute in May 2017. The First Annual Review Meeting of the MOU was held on April 2, 2018 in Kuwait University. Another Memorandum of Understanding is sought to be signed between Al-Yarmook Healthy City and the FOPH representing the KU, which will create a wide range of activities and make door open for teaching, awareness campaigns, research, etc.

The role of international partners is also of paramount importance in setting and in achieving the objectives of the FOPH. Kuwait is tightly bound to international collaboration in the field of public health through agreements arranged by the UN-bodies (WHO, ILO, UNHCR, and others). The Sustainable Developmental Goals for 2015+ provide targets and indicators, which the FOPH can help the Ministry of Health follow.

The following sections (13 through 15) detail the community service contributions of each department at the levels of:

- 1) Kuwait University
- 2) the nation of Kuwait, and
- 3) International impact – both regional and global

It should be clear from the details provided below that this new faculty is contributing to the local contribution, national service, and global visibility goals that are detailed in the **Kuwait University Strategic Plan**.

## 12. Community Service – Kuwait University

### 12.1 Community Service, KU: Department of Environmental and Occupational Health

#### a. Service: Health Sciences Center

##### Gasana, J

- FOPH representative in KU OMICS Research Lab
- KU HSC Poster Conference (Committee Member and Judge)

##### Vainio, H

- HSC Dean's Council

#### b. Service: Faculty of Public Health

##### Gasana, J

- Faculty Council
- Director, Environmental and Occupational Health MPH program
- Faculty Scholarship Committee
- Faculty Graduate Studies Area Committee
- Faculty Appointments and Renewal Committee
- Faculty Scholarship Committee
- Faculty Examination Committee
- Faculty Curriculum, Assessments, and Admissions Committee
- MPH Committee

##### Vainio, H

- Dean, FOPH

#### c. Service: Departmental

##### Gasana, J

- Acting Department Chairperson
- Chairperson, Departmental Council
- Chairperson, Departmental Appointment and Interview Committee
- Chairperson, Departmental Scholarship Committee
- Chairperson, Departmental Examination Committee
- Running EOH department as interim chair (recruitment of staff – faculty, teaching assistants, and scholars; day-to-day activities of the department including organizing meetings);
- Developed a list of needed laboratory equipment (for analysis of water, air, and soil, and industrial hygiene/occupational health and safety) for Adeliya and Shadadiya campuses
- Designed an evening graduate diploma in Occupational Safety and Health (OSH);
- Developing a training center like the one at Kuwait University College of Engineering
- Designed the MPH-EOH curriculum and currently running the program along with teaching all EOH courses
- Working with KOC (Kuwait Oil Company) and other companies in Kuwait to develop and advertise the OSH Diploma to their safety engineers.

## 12.2 Community Service, KU: Department of Epidemiology and Biostatistics

### a. Service: Health Sciences Center

- n/a

### b. Service: Faculty of Public Health

Alali, W

- Faculty Council, Rapporteur
- MPH Program and Curriculum Committee
- MPH Examination Committee
- Faculty Graduate Studies Area Committee
- Faculty Appointments and Renewal Committee
- Faculty Scholarship Committee
- Faculty Examination Committee
- Faculty Curriculum, Assessments, and Admissions Committee

### c. Service: Departmental

Alali, W

- Acting Chairperson
- Chairperson, Departmental Council
- Chairperson, Departmental Appointment and Interview Committee
- Chairperson, Departmental Scholarship Committee
- Chairperson, Departmental Examination Committee

Alkhamis, M

- Member, Departmental Council (2018-current)
- Member, Departmental Scholarship Committee (2019-present)
- Member, Departmental Examination Committee (2019-present)

## 12.3 Community Service, KU: Department of Health Policy and Management

### a. Service: Health Sciences Center

Aljunid, SM

- Chairman of 25<sup>th</sup> HSC Poster Conference, Kuwait University (from 1st April 2019 to April 2020)
- Member of 24<sup>th</sup> HSC Poster Conference Committee, Kuwait University (1st April 2018 to April 2019)

### b. Service: Faculty of Public Health

Aljunid, SM

- Director of Postgraduate Programmes, FOPH
- Chairperson, MPH Program Committee
- Faculty Graduate Studies Area Committee
- Faculty Appointments and Renewal Committee
- Faculty Scholarship Committee
- Faculty Examination Committee
- Faculty Curriculum, Assessments, and Admissions Committee

**c. Service: Departmental**

Aljunid, SM

- Department Chairperson
- Chairperson, Departmental Appointments and Interview Committee
- Chairperson, Departmental Scholarship Committee
- Chairperson, Departmental Examination Committee

**12.4 Community Service, KU: Department of Public Health Practice**

**a. Service: Health Sciences Center**

- n/a

**b. Service: Faculty of Public Health**

- n/a

**c. Service: Departmental**

Al-Awadhi, M

- Member, Departmental Scholarship Committee
- Member, Departmental Examination Committee

Alessa, H

- Member, Departmental Scholarship Committee
- Member, Departmental Examination Committee

**12.5 Community Service, KU: Department of Social and Behavioral Sciences**

**a. Service: Health Sciences Center**

Al-Sharbaty, M

- Chair of the FOPH-College of Graduate Studies Area Committee (2017-current)
- Member, College of Graduate Studies Council (2017-current)
- Associate Editor: Medical Principles and Practice (HSC; 2018-current)

**b. Service: Faculty of Public Health**

Al-Sharbaty, M

- Acting Vice Dean, Research and Postgraduate Studies (2017-current)
- Member, Dean's Executive Committee (2017-current)
- Chairperson, Faculty Appointments and Appointments Committee (2019-current)
- Chairperson, FOPH Research Committee (2017-current)
- Chair of the COGS Faculty Area Committee (2017-current)
- Member, College of Graduate Studies Council (2017-current)
- Member of the MPH Committee (2017-current)
- Member, Faculty Scholarship Committee (2017-current)
- Member, Faculty Examination Committee (2017-current)
- Member, Faculty Curriculum, Assessments, and Admissions Committee (2017-current)
- Member, Faculty of Public Health Council (2016-current)

- Member, Epidemiology and Biostatistics Committees: (2019-current)
  - Departmental Council
  - Departmental Scholarship Committee
  - Departmental Appointment and Interview Committee
- Member, Public Health Practice Departmental Committees (2017-current)
  - Departmental Council
  - Departmental Scholarship Committee
  - Departmental Appointment and Interview Committee

Al-Tarrah, D

- Member, Faculty of Public Health Council (2018-current)
- Coordinator, FOPH Medical Campus Space Committee (Al Shadadiya Campus; 2018-current)

Tolma, E

- Member, Faculty of Public Health Council (2017-current)
- Member, Health and Safety Committee (2017-current)
- Member, Research Committee (2017-current)
- Member, Health Policy and Management Departmental Committees: (2017-current)
  - Departmental Council
  - Departmental Scholarship Committee
  - Departmental Appointment and Interview Committee
- Member, Environmental and Occupational Health Departmental Committees (2017-current)
  - Departmental Council
  - Departmental Scholarship Committee
  - Departmental Appointment and Interview Committee

**c. Service: Departmental**

Al-Sharbatj, M

- Department Chairperson (2017-current)
- Chairperson, Departmental Appointments and Promotions Committee (2017-current)
- Chairperson, Departmental Scholarship Committee (2017-current)
- Chairperson, Departmental Examination Committee (2017-current)

Al-Tarrah, D

- Member, Departmental Council (2018-current)
- Member, Departmental Appointments and Interview Committee (2018-current)
- Member, Departmental Scholarship Committee (2019-present)
- Member, Departmental Examination Committee (2019-present)

Tolma, E

- Member, Departmental Council (2019-current)
- Member, Departmental Appointments and Interview Committee (2017-current)
- Member, Departmental Scholarship Committee (2019-present)
- Departmental Examination Committee (2019-present)



## 12.6 Community Service, KU: Office of Vice-Dean, Academic

Dr. Joseph Longenecker, whose appointment is in the Department of Community Medicine and Behavioral Sciences, FOM, has been appointed as Vice-Dean for Academic Affairs since 2014. His academic contributions (teaching, research and CMBS administrative contributions) are included in the Annual Report for the FOM. His administrative contributions to the FOPH include the following:

- Vice-Dean, Academic
- Member, Dean's Executive Committee
- Chairperson, Faculty Scholarship Committee (2015-current)
- Chairperson, Faculty Examination Committee (2015-current)
- Chairperson, Faculty Curriculum, Assessments, and Admissions Committee (2015-current)
- Rapporteur, Faculty of Public Health Council (2017-January, 2019)
- Acting Chairperson, Department of Public Health Practice (January, 2019-present)
  - Acting Chairperson, Departmental Council
  - Acting Chairperson, Departmental Appointments and Interview Committee
  - Acting Chairperson, Departmental Scholarship Committee
  - Acting Chairperson, Departmental Examination Committee
- Member, MPH Committee
- Member, FOPH Research Committee
- Member, FOPH Medical Campus Space Committee (Al Shadadiya Campus; 2018-current)

## 13. Community Service – Kuwait

### 13.1 Community Service, Kuwait: Department of Environmental and Occupational Health

#### *Community Service: Kuwait*

##### Gasana, J

- Dasman Diabetes Institute (DDI) through secondment of one day per week, currently working on a workshop on Systematic Reviews/Meta-analysis on Diabetes; psychosocial stress in the workplace and beyond; and environmental / occupational exposures and Diabetes
- Ministry of Health (MOH) Dept. of Occupational Health (Occupational Health and Safety Workshops, Conferences, and Seminars),
- Dr. Mohammad AlSeidan, head of MOH Dept. of Environmental Health on Indoor Air Lead/Toxics and the Prevalence of Asthma among children in Kuwait,
- Ministry of Interior (MOI) through Al-Qout and Kuwait Society for Injury Prevention.

##### Vainio, H

- Participation in the Roundtable Discussion on “*Development of the Kuwait Healthcare System*”, with the UNDP and Kuwait Supreme Council for Planning and Development, Kuwait Public Policy Center [UN House, 11 December 2018]
- *The Kuwait Public Health Strategy Development Workshops*. Reviewing the drafts developed by the LSE Health (and co-funded by the KFAS and Kuwait Public Policy Center).
- *The Kuwait Health System Review - Update from LSE Health*. Participation in the review process.
- Kuwait Health System Review. London School of Economics Report Discussion. KFAS, Marina Hotel, January 9, 2019. (invited participant)
- Kuwait Health Systems Review. London School of Economics Report Discussion, KFAS, Dasman Diabetes Institute, April 10, 2019 (invited participant).
- Attending the opening session at the Supreme Council for Planning and Development for the Food Pyramid task-group work.

### 13.2 Community Service, Kuwait: Department of Epidemiology and Biostatistics

#### *Community Service: Kuwait*

##### Alali, W

- Secondment Appointment: Associate Professor, Population Health, Dasman Diabetes Institute, Kuwait

##### Alkhamis, MA

- Member, Animal Care and Ethics Committee, Dasman Diabetes Institute

### 13.3 Community Service, Kuwait: Department of Health Policy and Management

#### *Community Service: Kuwait*

##### Aljunid, SM

- Member, Kuwait MOH Committee on Point of Care Testing
- Member, Kuwait MOH Committee on Statistics and Health Information
- Member, Dr Abdurrahman AlSumait Prize for African Development Search & Nomination Panel, KFAS
- Members of FOPH Council
- Member of FOPH Curriculum, Assessment and Admissions Committee
- Member of FOPH Appointment and Promotion Committee
- Member of KU Research and Ethics Committee
- Advisor, National Centre of Health Information, Ministry of Health Kuwait
- External Examiner, PhD Viva, Faculty of Public Health, Universitas Andalas, Indonesia
- Member, World Health Organisation Morbidity Morbidity Reference Group on ICD-11 Revision, Geneva

### 13.4 Community Service, Kuwait: Department of Public Health Practice

#### *Community Service: Kuwait*

##### Alessa, H

- Exploratory meetings with various Ministry of Health departments regarding various obesity prevention related projects
- Delivered a workshop titled “Sugary beverage consumption and health”. Kuwait Foundation for the Advancement of Science, Kuwait City, Kuwait, January 2019.
- Participated as a panellist in a roundtable discussion on Sugary beverage consumption in Kuwait – potential consumption limiting policies and practices. Kuwait Foundation for the Advancement of Science, Kuwait City, Kuwait, January 2019.

### 13.5 Community Service, Kuwait: Department of Social and Behavioral Sciences

#### *Community Service: Kuwait*

##### Al-Sharbatj, M

- Widespread connection with different ministries (as Ministry of Health, Ministry of Education, Ministry of Interior, Ministry of Water and Electricity), and non-governmental organization (as Kuwait Red Crescent, Kuwait Autism Center, Child Protection Society, Public Authority of Sport, Public Authority for Food and Nutrition, KISR) through the application of the Practicum: discovering communities course.
- Health Promotion through Physical Education: a Panel Discussion in the First International Conference on Physical health and rehabilitation, Public Authority For Sport, Kuwait, 3-4 December 2018.

Al-Tarrah, D

- Developing Educational Path and Clinical Practice (pre/post-surgery): Jaber Hospital, Bariatric Surgery Unit (*pending official secondment*)
- Speaker at Dasman Diabetes Institute, Nutrition in the Workplace (30<sup>th</sup> April 2019)
- National Nutrition Guidelines Committee with PAFN, KISIR, MOH, DDI under Supreme Council of Planning and Development (temporarily suspended)
- Board Member, Women's Cultural and Social Society

Tolma, E

- Collaboration with the Kuwait National Mammography Screening Program - Ministry of Health.
- Collaboration with the Ministry of Health on developing a presentation on the status of cervical cancer in Kuwait and the other GCC countries. The presentation was given during the last conference on cancer prevention in Saudi Arabia.

## 14. Community Service – International

### 14.1 Community Service, International: Department of Environmental and Occupational Health

#### a. *International Collaboration and Consultancy*

##### Gasana, J

- Member of Florida-based ARISE Foundation Advisory Board
  - Member of Editorial Board Advisory of the Chicago-based National Safety Council
  - Member (in charge of online teaching) of the AITR-GHL (African Institute for Training & Research – Georges-Henri Levesque),
- Member of ICOH (International Commission for Occupational Health), [Subcommittees: MinOSH (Mining Occupational Safety & Health), Medichem, TB & Silicosis in Mining]
- *Member of Editorial Committee* for Selected Health Systems of Africa
- Member of WHO (World Health Organization) / WMO (World Meteorologic Organization) – Geneva -Technical Report on Occupational Health Stress with 1st Skype Meeting on April 26, 2019.
- Member HSE (Health Safety Environment) Advisory Panel for London-based Alain Charles Publishing, organizer of HSE Conferences and Exhibitions in Middle East and Africa.

##### Vainio, H

- External Individual supplier to the International Labour Office, Geneva, by providing a think piece for the ILO website. The think piece on migrant workers was published online in April 2019, together with a brief video and a photo. Altogether the ILO had asked 33 experts internationally to provide one of these think pieces.
- External examiner for the Masters of Public Health thesis on the “Incidence of Chronic Myeloid Leukaemia: Systematic Review and Meta-analysis” (by Mr Yasser Hamad) in the College of Health Sciences at Qatar University. (April 2019).
- A member of the Research Audit and Review Committee, Dasman Diabetes Institute, Kuwait (Jan 2018-Jan 2019).

#### b. *Journal Editor and Reviewing Services*

##### Gasana, J

- Editor: Asian Journal of Medicine and Health (AJMAH) - Editor
- Editor: International Journal of Maternal and Child Health – Editor-in-chief;
- Editor: International Journal of Tropical Disease and Health – Academic Editor; and
- Editor: Air and Water Borne Diseases – Editor of Special Topic “Water and Health”
- Editorial Board: Air, Soil, and Water Research
- Editorial Board: Air Water Borne Diseases (Editor of Special Topic “Water and Health”)
- Editorial Board: PLOS ONE
- Editorial Board: Occupational Diseases and Environmental Medicine
- Editorial Board: Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine
- Editorial Board: Environmental Health Insights
- Editorial Board: International Journal of Medical Sciences and Biotechnology
- Reviewer: American Public Health Association

- Reviewer: Environmental Research
- Reviewer: Rural Health
- Reviewer: International Journal of Environmental Research and Public Health
- Reviewer: Archives of Environmental and Occupational Health
- Reviewer: International Journal of Environmental Health Research
- Editorial Board: Journal of Environmental & Analytic Toxicology

Vainio, H

- Editorial Board: Safety and Health at Work (SH@W) (*Associate Editor*)
- Editorial Board: Epidemiology and Health (epiH)
- Editorial Board: Journal of Occupational and Environmental Medicine
- Editorial Board: Toxicology and Industrial Health

**c. Membership and Contribution to Professional Organizations**

Gasana, J

- American Public Health Association (APHA)
- Chicago-based National Safety Council (NSC) (Editorial Board Advisory member)
- AITR-GHL (African Institute for Training & Research – Georges-Henri Levesque) (in charge of online learning/teaching)
- ICOH (International Commission for Occupational Health), [Subcommittees: MinOSH (Mining Occupational Safety & Health), Medichem, TB & Silicosis in Mining]
- OSHAfrica (Occupational Safety & Health for Africa) (Subcommittee member of OSH Educational Competencies)

Vainio, H

- Member of the Finnish Society of Toxicology.
- Recognized professional qualifications as toxicologist by the European Society of Toxicology.

## 14.2 Community Service, International: Department of Epidemiology and Biostatistics

**a. International Collaboration and Consultancy**

Alali, W

- External Consultant for a project hosted by Shanghai Ocean University, Shanghai, China: “Innovation in Rapid Detection methods for *Vibrio cholerae* in Aquaculture Products”.
- External consultant for a project hosted by North West A&F University, Xianyang, China: “ Data multianalysis on antibiotic resistance and pathogenesis of foodborne pathogens”.
- Collaboration on antimicrobial resistance and food safety with Dicle University, Diyarbakir city Turkey.
- Collaboration on food safety research with the Biomedical Research Center, Qatar University, Doha, Qatar
- International Congress of Pathogens at the Human Animal Interface (ICOPHAI) Organization Committee: Member

Alkhamis, M

- Collaboration on multiple projects related to food safety and security with the center for animal health and food safety, University of Minnesota, USA.
- Collaboration on exploring the epidemiology of bluetongue disease virus in the European Union member states with VISAVET health surveillance center, University of Madrid, Spain.
- Collaboration on exploring the evolutionary epidemiology of tuberculosis and HIV in Africa with the Mayo clinic, Rochester, Minnesota, USA.
- Adjunct Assistant Professor, Veterinary Population Medicine Department, University of Minnesota, St. Paul, USA.

**b. Membership and Contribution to Professional Organizations**

Alali, W

- 2011 – present: Global Foodborne Infectious Network-World Health Organization (WHO-GFN).
- 2012 – present: European Food Safety Authority (EFSA) EFSA's Expert Database.

Alkhamis, M

- Member, Animal Care and Ethics Committee, Dasman Diabetes Institute, Kuwait.

**c. Journal Editor and Reviewing Services**

Alali, W

- Journal of Food Protection: Editorial Board Member
- Guest Associate Editor, Frontiers in Sustainable Food System-Agro Food Safety

Alkhamis, M

- Associate Editor, Frontiers in Veterinary Science peer-reviewed journal, Veterinary epidemiology section, open access, Online ISSN: 2297-1769.

### 14.3 Community Service, International: Department of Health Policy and Management

**a. International Collaboration and Consultancy**

Aljunid,

- Chairman, 12th Postgraduate Forum in Health System and Policy; National University of Malaysia/Kuala Lumpur/19th-20th July 2018
- Chairman, International Health Financing Conference; Malaysian Health Economics Association/Kuala Lumpur/4th-7th July 2018
- Member of Organising Committee, 13th Postgraduate Forum in Health System and Policy; Universitas Gadjadara/Indonesia/18th-20th July 2019
- Consultant and Advisor for Development and Implementation of Case-Mix System INA-CBG, Ministry of Health Indonesia (September 2005 – until now)
- Member, World Health Organisation Morbidity Reference Group for ICD-11 Revision, Geneva (October 2016- now)
- Member of Asia Pacific Network of WHO Family of International Classifications (2011- now)
- Member, Global Burden of Diseases Collaborator Network, Institute for Health Matrix and Evaluation, Seattle, USA (2016- now)
- External Examiner and Adviser PhD Programme, Faculty of Medicine, Universitas Andalas, Indonesia (January 2017-April 2019)
- Member, World Bank South East Asia DRG/Casemix Expert Group (March 2018 – now)

- Member, International Society for Pharmacoeconomics and Outcome Research (January 2007- now)
- Chief Editor, Malaysian Public Health Medicine Journal (January 2006- now)
- Editorial Board Member, Global Journal on Quality and Safety in Health Care, Global Academy for Health Sciences, Cincinnati, OH, USA. ( August 2018- now)

**b. Membership and Contribution to Professional Organizations**

Aljunid, SM

- Deputy President, Malaysian Public Health Specialists' Association
- President, Malaysian Health Economics Association
- President, Malaysian Chapter of International Society of Pharmacoeconomics and Outcome Research

**c. Journal Editor and Reviewing Services**

Aljunid, SM

- Chief Editor, Malaysian Journal of Public Health Medicine
- Member of Editorial Board, Global Journal on Quality and Safety in Healthcare, Saudi Arabia
- Member, Editorial Board, Value in Health Regional Journal
- Reviewer, Asia Pacific Journal of Public Health
- Reviewer, BMC Health Services Research
- Reviewer, PLOS ONE Journal
- Reviewer, International Journal of Economics and Management
- Reviewer, Malaysian Journal of Health Sciences
- Reviewer, Saudi Journal of Medicine and Medical Sciences

#### 14.4 Community Service, International: Department of Public Health Practice

**a. Collaboration and consultancy: International**

- Workshop committee for the Promising Practices for Improving the Inclusion of Women in Science, Engineering, and Medicine: Lessons from Kuwait and the United States – Workshop Series. National Academies of Sciences, Engineering, and Medicine.

**b. Membership and Contribution to Professional Organizations**

Al-Awadhi, M

- Mentor in the Proteges (a mentorship program for youth in Kuwait)
- Member of the American Public Health association
- Member of the Academy of Dietetics and Nutrition
- Community guide in the public health community in the organization KAFO (Kuwait Achievers for Future Opportunities)

Alessa, H

- American Heart Association
- American Diabetes Association
- American Public Health Association

**c. Journal editor and reviewing services**

- n/a



## 14.5 Community Service, International: Department of Social and Behavioral Sciences

### **a. Collaboration and consultancy: International**

#### Al-Sharbaty, M

- Collaboration with Sultan Qaboos University in Sultanate of Oman in research projects.

#### Tolma, E

- Member, “EMRO-MENA rapporteurs on cervical cancer,” a WHO-sponsored network of researchers

### **b. Membership and contribution to professional organizations**

#### Al-Sharbaty, M

- Member, Kuwait University Faculty Association

#### Tolma, E

- American Evaluation Association (2016-2018)
- International Social Marketing Association (2017-2018)
- European Public Health Association-Health Promotion and Chronic Diseases sections (2017-current)

### **c. Journal editor and reviewing services**

#### Al-Sharbaty, M

- Associate Editor: Medical Principles and Practice (Kuwait; 2018-current)
- Reviewer, Sultan Qaboos University Medical Journal (SQUMJ; 2006-current)
- Reviewer, Oman Medical journal (2012-current)
- Reviewer, Saudi Medical Journal (2000-current)
- Reviewer, Journal of the Gulf Arabian Peninsula Sciences (2016-current)

#### Tolma, E

- Editorial member, the Malaysian Journal of Public Health Medicine (2017-present)
- Associate Editor, Health Behavior and Policy Review (2013-present)
- Editorial Board member, Athens Journal of Health (2014-present)
- Reviewer, American Journal of Health Promotion (2006-present)
- Reviewer, American Journal of Health Behavior (2008-present)
- Reviewer, Journal of Women’s Health (2012-present)
- Reviewer, PLOS Neglected Tropical Diseases (2009-present)
- Reviewer, Journal of Health Psychology (2012-present)
- Reviewer CES (Community Engaged Scholarship) 4Health.Info (2012-present)