

American University of Beirut
Rafic Hariri School of Nursing

Annual Report 2018

PREFACE

The AUB Board of Trustees (BOT) voted in June 2018 to grant the Rafic Hariri School of Nursing (HSON) independent faculty status and to appoint Dr. Huda Abu-Saad Huijjer founding dean effective September 1, 2018. Efforts to achieve independent faculty status started in 2010, when a full proposal and a five-year business plan were submitted to the AUB administration. This was followed by an external review in November 2016 to assess the school's readiness for independent faculty status. HSON revised bylaws were approved by the Senate and then the BOT in November 2018. This was an historic development and a milestone achievement for HSON.

The PhD program in nursing science was launched in fall 2018. Eighteen applications were received and three students were selected and have enrolled. The PhD program is offered in close collaboration with HSON international partners, Johns Hopkins University (JHU) and University of Michigan (UM) Schools of Nursing. The Ministry of Higher Education approved the PhD program in nursing science on August 14, 2018.

We are proud that we have the largest number of faculty with PhD degrees in Lebanon. HSON also has the highest number of funded research projects and the highest publication rate in Lebanon. HSON faculty have published in top-tier refereed journals and are among the most productive and impactful nurse researchers in the Arab world. A number of HSON faculty have either a joint appointment or clinical associate positions with the Faculty of Medicine/AUB Medical Center. They have excelled clinically by establishing collaborative clinics in their areas of specialty thus setting the stage for many more such collaborations in the future.

We are also excited to be launching a number of online hybrid programs at the graduate level and to have pioneered new modalities in program development.

HSON continues to place emphasis on research and scholarly productivity, teaching excellence, faculty and student recruitment, and on expanding HSON academic programs based on new and innovative strategic initiatives. We continue to be proud of our achievements, which are detailed in this annual report.

Huda Abu-Saad Huijjer RN, PhD, FEANS, FAAN
Professor and Founding Dean
Rafic Hariri School of Nursing

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1. THE SCHOOL OF NURSING

A. FACULTY

Founding Dean of the Hariri School of Nursing

Abu-Saad Huijer Huda, RN, PhD, FEANS, FAAN, Professor

Faculty Members

Abi Fakhr Kantar Lina, RN, EdD, Clinical Assistant Professor, CE/Offshore Program Coordinator

Adra Marina, RN, MS Physiology, PhD, Clinical Assistant Professor; BSN Coordinator

Alayan Nour, RN, MSN, Clinical Assistant Professor

Arevian Mary, RN, MPH, Clinical Associate Professor

Avedissian Tamar, RN, MSN, Clinical Instructor

Clinton Michael, RN (CARNA), RGN RPN (AHPRA), PhD, MSc, BA (Hons.), Professor, joint appointment with FM Institutional Review Board (IRB) as Vice-Chair of the Social and Behavioral Sciences Institutional Review Board

Dakessian Sillian Silva, RN, MPH, Clinical Instructor

Damianos Danielle, RN, MSN, Clinical Instructor

Dhaini Suzanne, RN, Master in Child Studies, PhD, Assistant Professor

Darwish Hala, RN, PhD, Associate Professor, joint appointment with FM/AUBMC as Managing Director, Abu-Haidar Neuroscience Institute

Dumit Nuhad, RN, MA, PhD, Associate Professor; Undergraduate Division Convener

Fares Souha, PhD, Assistant Professor

Farhood Laila, RN, PhD, CS, Professor and Clinical Associate, Psychiatry Department, FM; Associate Dean, since September 2018

Gulgulian Talin, RN, MSN, Clinical Instructor

Honein Gladys, RN, PhD, Assistant Professor

Khoury May, RN, BSN, MSN, Clinical Assistant Professor

Madi Dina, RN, TD, MA Education, PhD, Clinical Assistant Professor; BA/BS-BSN Coordinator

Massouh Angela, PhD, MSN, CNS; Assistant Professor, joint appointment with AUBMC as Cardiology Clinical Nurse Specialist

Najjar Assaf Ghada, MHS, PhD, Clinical Assistant Professor

Noureddine Samar, RN, PhD, FAHA, FAAN, Professor; Graduate Division Convener

Tashjian Hera, RN, MSN, Clinical Instructor

Younan Lina, RN, MSN, DNP, Clinical Assistant Professor

Puzanian Houry, PhD, FAHA, Assistant Professor, since September 2018

Part-time

Fakih Ibrahim, BS, MPH, Nursing Informatics Post Graduate, Instructor

Masalkhi Hanadi, RN, MSN, Clinical Instructor

Saadeh Myrna, BS, MSN, Clinical Instructor

Adjunct Faculty

Abbott Patricia, PHD, RN, FAAN, FACMI, Associate Professor, Director of Hillman Scholars in Nursing Innovation, Department of Systems, Populations and Leadership, University of Michigan School of Nursing, USA

Barton Debra L., PHD, FAAN, RN, Professor, Associate Dean for Research and Rackham Graduate School, Department of Systems, Populations and Leadership, University of Michigan School of Nursing, USA

Brush Barbara L., PHD, ANP-BC, FAAN, Professor, Carol J. and F. Edward Lake Term Clinical Professor, Department of Systems, Populations and Leadership, University of Michigan School of Nursing, USA

Campbell Jacquelyn, PHD, RN, FAAN, Professor, Anna D. Wolf Chair, National Program Director, Robert Wood Johnson Foundation Nurse Faculty Scholars, Johns Hopkins University School of Nursing, USA

Davidson Patricia M., PHD, MED, RN, FAAN, Professor and Dean, Johns Hopkins University School of Nursing, USA

Dennison Himmelfarb Cheryl R., PHD, RN, ANP, FAAN, FAHA, FPCNA, Professor, Associate Dean of Research, Office of Science and Innovation, Sarah E. Allison Professor for Research and Self-Care, Johns Hopkins University School of Nursing, USA

Dinov Ivo D., PHD, Professor, Computational Medicine and Bioinformatics, Medical School, Associate Director for Education and Training, Michigan Institute for Data Science, Department of Health Behavior and Biological Sciences; Vice Chair, Department of Health Behavior and Biological Sciences, University of Michigan School of Nursing, USA

Farley Jason E., PHD, MPH, ANP-BC, AACRN, FAAN, Associate Professor, Director, PHD Program/REACH Initiative, Co-Director Clinical Core, Hopkins Center for AIDS

Research, President, Association of Nurses in AIDS Care (ANAC), Johns Hopkins University, USA

Friese Christopher R., PHD, RN, AOCN®, FAAN, Professor, Elizabeth Tone Hosmer Professor of Nursing, Professor, Health Management and Policy School of Public Health, Director, Center for Improving Patient and Population Health (CIPPH), Department of Systems, Populations and Leadership, University of Michigan School of Nursing, USA

Glass Nancy E., PHD, MPH, RN, FAAN, Professor, Associate Director for Research, Associate Director, Johns Hopkins Center for Global Health, Independence Chair in Nursing Education, Johns Hopkins University School of Nursing, USA

Hill Martha N., PHD, RN, FAAN, Professor & Dean Emerita, Johns Hopkins University School of Nursing, USA

Holden Janean E., PhD, RN, FAAN, Professor, Barbara A. Therrien Collegiate Professor of Nursing, Department of Health Behavior and Biological Sciences, Associate Dean for Research and Rackham Graduate School, University of Michigan School of Nursing, USA

Ketefian Shaké, EdD, RN, FAAN, Professor Emeritus, University of Michigan, USA

Lambton Judith, EdD, MSN, RN, Professor Emerita, University of San Francisco, California, USA

Lavoie Smith Ellen, PhD, APRN, AOCN®, FAAN, Associate Professor, Director of PhD Program, Department of Health Behavior and Biological Sciences, University of Michigan School of Nursing, USA

Lori Jody R. PHD, CNM, FACNM, FAAN, Professor, Associate Dean for Global Affairs, Department of Health Behavior and Biological Sciences, University of Michigan School of Nursing, USA

Sharps Phyllis, PHD, RN, FAAN, Professor, Associate Dean for Community Programs and Initiatives, Elsie M. Lawler Chair, Johns Hopkins University School of Nursing, USA

Shaya Fadia, PHD, MPH, Professor of Pharmaceutical Health Services Research and Vice-Chair for Academic Affairs, University of Maryland School of Pharmacy, USA

Szanton Sarah L., PHD, ANP, FAAN, Professor, Endowed Chair for Health and Social Justice, Director, Center for Innovative Care in Aging, Johns Hopkins University School of Nursing, USA

Tanner Elizabeth K., PHD, RN, FAAN, Professor, Johns Hopkins University School of Nursing and Division of Geriatric Medicine & Gerontology, USA

Academic Associates

El-Asmar Rebecca, RN, MSN, AOCNS, Clinical Nurse Specialist, AUBMC, Lebanon

Hanna Janane, RN, MSN, AOCNS, Clinical Nurse Specialist, AUBMC, Lebanon

Maalouf Wafa, MS, Nursing Director, St. George Hospital, Lebanon

Mona Nasrallah, MD, Associate Professor of Clinical Specialty, AUBMC, Lebanon

Snow Kaiser Karen, PhD, RN, Clinical Practice Coordinator, University of Maryland Medical Center, USA

Zein El-Dine Salah, MD, Associate Professor of Clinical Medicine, AUBMC, Lebanon

Joint Appointments

Clinton Michael with FM Institutional Review Board (IRB) as Vice-Chair of the IRB Office for Social and Behavioral Sciences

Darwish Hala with FM/AUBMC as Managing Director of the Abu-Haidar Neuroscience Institute

Masalkhi Hanadi with Nursing Services/AUBMC as Clinical Instructor at the Rafic Hariri School of Nursing

Massouh Angela with AUBMC as Cardiology Clinical Nurse Specialist

Research Associates and Assistants

Abdel Ahad Mary, BS, MS

Ahanorian Zepur, BS, MSN Student

Al-Fharfan Rawan, BS, MPH

Bayram Mariam, BA

Bejjani Rachele, BS, MSN

Elizabeth Dyer, MSN, RN

El Chaar Dayana, BS, MS

Fakhreddine Linda, BSN, MSN Student

Farran Natalie, BS, BA

Hamadi Caroline, PhD Student

Hoteit Reem, BS, MSc

Saad Hanadi, MSN Student

Safieddine Batoul, BA, MA

Clinical Preceptors

Abbas Mohammad, RN, MSN
Abdel Karim Carole, RN
Abi Kharma Joyce, RN, MSN
Al Andary Randa, RN
Azzam Mohammad, RN, MSN
Bechnak Sara, RN
Bejjani Rachele, RN, MSN
Charafeddine Hassan, RN, MSN
Chehadeh Mireille, RN, MSN Student
Daaboul Asiya, RN
Dagher Hala, RN
Dagher Nicole, RN
Hakim Grace, RN, MSN
Hammoud Aya, RN, MPH
Hashem Lynda, RN, MSN
Issa Mohammad, RN, MSN
Kaskass Ahmad, RN
Kazarian Houry, RN
Krayani Ali, RN, MSN
Malkdjian Sarine, RN, MSN Student
Moskofian Hratch, RN, MSN Student
Moussa Louay, RN, MPH Student
Rbeiz Karen, RN
Shalhoub Ali, RN
Tsolakian Vana, RN
Younes Kamar, RN, MSN Student

Graduate Assistants and Graduate Research Assistants

Artinian Ani
Atwi Sally
Fakhreddine Linda
Iskandarani Dounia
Mawed Hiba
Rizkallah Cynthia

B. STAFF

Abdallah Mira, BS, Administrative & Student Services Assistant
Assaf Chedid Patricia, BA, MBA, Executive Officer/Financial Officer
Berbary Najem Lynn, BBA, MBA, Student Services and Recruitment Officer
Daher Rabih, Junior Clerk
Farha Randa, BSN, MSN, MPH, Certified Healthcare Simulation Educator, Simulation Instruction & Management Certificate, Simulation and Clinical Competency Center Coordinator
Ghalayini Nisrine, BA, Graduate Division Administrative Assistant
Itani Maher, MEN, CCE, IT Manager
Karout Tofic, BEN, Senior IT Field Support Engineer
Zeinati Jeanette, Secretary

C. RECRUITMENT

HSON continues to advertise for regular faculty positions and for the Hariri Endowed Chair in Research. These positions are advertised on the AUB and HSON websites, in the Chronicle of Higher Education, on the recruitment site Inside Higher Ad, and on social media through LinkedIn. Recruitment information is also mailed to leading schools of nursing, professional organizations, and to mailing lists in the United States and Europe.

D. CCNE ACCREDITATION

- The BSN and MSN programs continue to be accredited by the Commission on Collegiate Nursing Education (CCNE) (<http://www.aacn.nche.edu/ccne-accreditation>) in the USA.
- HSON submitted the Continuous Improvement Progress Report (CIPR) to CCNE as required.
- HSON continues to be a regular member of the American Association of Colleges of Nursing.

E. HONORS, AWARDS, AND RECOGNITIONS

Huda Abu-Saad Huijer

Received the Lebanese National Center for Scientific Research (CNRS) Career Excellence Award for 2018 in recognition of contributions to the field of pain management and palliative care nationally and globally.

Received the AUB Nurses' Alumni Chapter Award in 2018, in recognition of her HSON, national, and international nursing achievements.

Continues to be a member of the Harvard Global Equity Initiative-Lancet Commission on Global Access to Pain Control and Palliative Care (GAPPCP).

Hala Darwish

Fellow of the American Academy of Nurses, November 2018

Silva Dakessian

Distinguished Research Award from the Scientific Society of Arab Nursing Faculties, November 2018

Nuhad Dumit

Received the 2018 Leader in LGBT Health Equality Award granted by The Lebanese Medical Association for Sexual Health.

Received the award for women leaders as Presidents of Orders'/Associations' granted by the Young Women Christian Association in Beirut, 2018

Laila Farhood

World Psychiatric Association (WPA), elected as a board member for the International Association for Women's Mental Health regional section, Berlin, Germany, December 2017 till present

F. INTERNATIONAL PARTNERSHIPS

HSON has ongoing Memoranda of Understanding (MOUs) to enhance research collaboration and student and faculty exchanges with the following institutions:

- Johns Hopkins University School of Nursing, Baltimore, Maryland, United States of America
- University of Maryland School of Nursing, Baltimore, Maryland, United States of America
- University of Michigan School of Nursing, Ann Arbor, Michigan, United States of America
- Villanova University College of Nursing, Radnor Township, Pennsylvania, United States of America
- University of Science and Technology, Sydney, Australia

G. SIGMA THETA TAU INTERNATIONAL (STTI) HONOR SOCIETY

The board of the Chi Iota Chapter is as follows:

- President: Dr. Dina Madi
- President-elect: Dr. Lina Kantar
- Vice president: Ms. Ursula Rizk
- Treasurer: Dr. Hiba Deek
- Secretary: Ms. Bahia Abdallah El-Moufti
- Counselor: Dr. Angela Massouh
- Founding President: Dr. Huda Abu-Saad Huijjer
- Immediate Past President: Ms. Mary Arevian

Chi Iota Committees

Leadership Succession Committee

- Mrs. Helen Nuwayhid; Chair
- Dr. Nour Alayan; Member
- Mrs. Tamar Avedissian; Member

Governance Committee

- Dr. Samar Nouredine; Chair
- Mrs. Danielle Damianos; Member
- Ms. Roula Awwad; Member

Activities

Induction Ceremony: May 8, 2018. Total 27 inductees; 8 graduates, 3 leaders, and 16 undergraduates. Mrs. Zeina Kassem, founder and president of Roads for Life (RFL); the Talal Kassem Fund for Post-Accident Care, addressed the members. Her speech was very touching. A short video of the ceremony was posted on the Chi Iota Chapter Facebook page.

Skype Business meeting: May, 2018, with Jessica Wendorf, Sigma, Chapter and Regional Operations Manager and Sabrina Collins-Christie, Sigma Membership Manager, to discuss logistical matters related to the chapter.

Annual Business meeting of the Chi Iota Chapter: November 30, 2018, Hisham Jaroudi Auditorium, HSON. The guest speaker Dr. Michel Kalach el Khoury, a psychotherapist, discussed self-care and when to seek professional help from mental health experts.

H. HSON NEWSLETTER

HSON issue Number 7 was circulated in March 2018. The newsletter included:

- A message from the HSON director, Dr. Huda Abu-Saad Huijjer
- Message from the President of the Order of Nurses in Lebanon, Dr. Nuhad Dumit
- Launching the PhD program
- HSON research highlights
- HSON undergraduate and graduate student testimonials
- Awards
- Nursing Society Students activities
- New incoming faculty and staff

I. HSON REGIONAL EXTERNAL PROGRAMS

Continuing Education in UAE

The Rafic Hariri School of Nursing (HSON) in collaboration with the Continuing Education Center of the office of Regional External Programs (REP) provided a number of courses to registered nurses and nurse leaders in the United Arab Emirates in 2018. These offerings are part of an agreement that was signed and renewed between AUB REP and “The United Arab Emirates Ministry of Health” to support nursing training and education.

Course Name	Faculty names	Dates	Location
Advanced Physical Assessment	Dr. Angela Massouh and Mrs. Hera Tashjian	March 11-13, 2018	UAE, Sharjah
Suctioning and Catheterization Training	Mrs. Talin Gulgulian and Mrs. Tamar Avedissian	April 3-5, 2018	UAE, Sharjah
Sedation Course	Dr. Ghassan Kanazi and Mrs. Rafika Zaatari	April 30-May 1, 2018	UAE, Sharjah
EKG Course	Dr. Bernard Abi Saleh and Dr. Angela Massouh	September 10-12, 2018	UAE, Sharjah
Neonatal Course	Mrs. May Khoury and Mrs. Talin Gulgulian	November 18-20, 2018	UAE, Sharjah

Each course was provided over a period of 2-3 days. Some were repeated to accommodate the higher than expected number of nurses. Different teaching methods were used by HSON faculty such as: case scenarios, role playing, simulation sessions, hands-on activities, and videos. The variety of teaching methods made these continuing education offerings especially fruitful and highly interactive.

Mohammad Al Mana’ College for Health Sciences (MACHS)

In February 2017, an agreement was signed between the Mohammad Al Mana’ College for Health Sciences (MACHS) in Khobar, Kingdom of Saudi Arabia and AUB REP. Based on this agreement, AUB has agreed to contribute to MACHS’s efforts in an advisory, training, and management capacity.

Dr. Huda Abu-Saad Huijer and Dr. Nuhad Dumit are members of the project’s steering committee and coordinate the work among the different departments.

HSON faculty were involved in the following consultations in 2018:

- Reviewed MACHS documents that addressed accreditation readiness, curriculum, and courses and provided appropriate recommendations.
- Dr. Marina Adra and Mrs. Mary Arevian conducted a site visit to review MACHS academic programs and provided feedback accordingly.

HSON will continue to be involved in future MACHS-related projects, as needed, by providing workshops and training on nursing simulation, assisting MACHS in setting up its own simulation lab, reviewing MACHS post-graduate programs, and assisting MACHS in the recruitment for key administrative and teaching positions.



II. FACULTY ACTIVITIES

A. EDUCATIONAL PROGRAMS

BSN:

Course descriptions, credit hours, and learning objectives did not change over the year as student evaluations were positive. We were, however, required to provide two sections of junior-year courses because of the large class size.

Simulation activities were included in most clinical nursing courses, which used a combination of skill improvement and practice through scenarios.

Objective Structured Clinical Examination (OSCE) was used in all clinical nursing courses.

MSN:

A total of 58 students enrolled in the MSN program in October 2018.

Four tracks continue to be offered: Adult Gerontology Clinical Nurse Specialist, Nursing Administration and Management, Psychiatry and Mental Health Clinical Nurse Specialist, and Community and Public Health Nursing.

A number of students did residencies at:

- AUBMC
- Evidence-Based Healthcare Management Unit (EHMU) at AUBMC
- Cleveland Clinic Abu Dhabi, UAE
- Mwaadieh Center, Beirut, Lebanon
- John Hopkins University (JHU), Baltimore, Maryland, USA
- Best Start by Health Nexus, Toronto, Canada
- Soins Infirmiers et Development Communautaire, Beirut, Lebanon
- Ministry of Public Health, Beirut, Lebanon
- Ibad Al Rahman, Barbour, Lebanon
- University of Maryland Medical Center (UMMC), Baltimore, Maryland, USA

17 students were inducted in the HSON Chi Iota Chapter in spring 2018.

Town meetings were held to discuss student concerns, residencies, projects, and comprehensive exams.

Information on the specific tracks is detailed below.

Adult Gerontology Clinical Nurse Specialist track:

2 students graduated in 2018.

A total of 17 students were enrolled in October 2018.

Students in the Adult Gerontology Clinical Nurse Specialist track completed residencies at Johns Hopkins University and the University of Maryland.

Nursing Administration and Management track:

A total of 5 students graduated in 2018.

A total of 17 students were enrolled in October 2018.

Students in the Nursing Administration and Management track completed residencies at EHMU, AUBMC, and Cleveland Clinic Abu Dhabi.

Psychiatry and Mental Health Clinical Nurse Specialist track:

One student graduated in 2018.

A total of 9 students were enrolled in October 2018.

Students in the Psychiatry and Mental Health Clinical Nurse Specialist track completed residencies at AUBMC, Mwaadieh Center, and Soins Infirmiers et Development Communautaire.

Community and Public Health Nursing track:

Three students graduated in 2018.

A total of 15 students were enrolled in October 2018.

Students in the Community and Public Health Nursing track completed their residencies at Health Nexus, Toronto, John Hopkins University (Baltimore), Ministry of Public Health and Ibad Al Rahman Barbour.

One student is undertaking a double major in Community and Public Health Nursing and Psychiatry and Mental Health Clinical Nursing.

PhD Program:

The PhD proposal was approved by HSON Graduate Division, Graduate Studies Committee, HSON External Advisory Board, Board of Graduate Studies, AUB Senate, Board of Trustees, and the New York State Education Department (NYSED).

The PhD program was officially launched in September 2018. A total of 18 applications were received, 7 were short-listed and interviewed, and 3 were accepted and enrolled.

The doctoral program aims to provide rigorous training for research careers in the nursing and healthcare arenas. It will provide students with the opportunity to develop their capacity for scholarly and independent work, improve critical analytical thinking, refine their ability to communicate knowledge and ideas, and be able to translate research findings into healthcare practice.

B. FACULTY TEACHING

Spring term 2017-18

Course Number	Course name	Credits	Faculty
NURS 200	Introduction to Nursing	2	G. Assaf
NURS 201	Introduction to Nursing Practice	2	S. Dakessian Sailian, L. Kantar
NURS 202	Health Assessment	2	T. Gulgulian, D. Madi
NURS 203	Biostatistics for Nurses	3	S. Fares
NURS 302	Nursing Care of Adults II	5	M. Adra, N. Alayan, S. Dakessian Sailian, A. Massouh, H. Tashjian
NURS 306	Nursing Care of Children	5	T. Avedissian, D. Damianos, S. Dhaini, T. Gulgulian, M. Khoury, D. Madi
NURS 402/312	Mental Health and Psychiatric Nursing	5	G. Assaf , H. Masalkhi, M. Saadeh

NURS 408	Community Health Nursing	5	M. Arevian, T. Avedissian, G. Honein
NURS 410/313	Leadership Et Management Theory	5	S. Dakessian, D. Damianos, H. Tashjian, L. Younan
NURS 411	Leadership Et Management Practicum	0	H. Tashjian, L. Younan,
IPEC 300	Inter-professional Education		M. Adra, N. Dumit ,G. Honein, S. Nouredine
NURS 502	Advanced Nursing Research	3	H. Darwish, S. Fares
NURS 503	Advanced Health Assessment	3	A. Massouh, S. Nouredine
NURS 503A	Advanced Health Assessment	1	A. Massouh, S. Nouredine
NURS 505B	Advanced Practice in Adult Gerontology	4	H. Darwish, S. Nouredine
NURS 506	Residency-Advanced Practice in Adult Gerontology	4	S. Nouredine
NURS 508	Residency-Advanced Practice in Nursing Administration	4	M. Clinton, N. Dumit, H. Huijjer, L. Younan
NURS 509	Role Development in Nursing Education	3	L. Kantar
NURS 518	Group and Family psychotherapy	3	L. Farhood
NURS 519	Clinical Residency in Acute Psychiatric Care	4	L. Farhood
NURS 520	Managing Quality with Teams	3	N. Dumit
NURS 522	Principles and Practice of Community/ Public Health Nursing	3	M. Arevian, G. Honein
NURS 524	Residency in Community Health Nursing	4	M. Arevian, G. Honein
NURS 525	Transformational Leadership for Nursing Practice	3	M. Clinton
NURS 526	Comprehensive exam	0	L. Farhood

NURS 598 , 598A, 598C	Project	3	M. Arevian, M. Clinton, H. Darwish N. Dumit, L. Farhood, H. Huijer, G. Honein, S. Noureddine, L. Younan
NURS 599, 599A, 599B	Thesis	6	M. Arevian, M. Clinton, H. Darwish N. Dumit, L. Farhood, H. Huijer, G. Honein, S. Noureddine, L. Younan
NURS 200	Introduction to Nursing	2	G. Assaf
NURS 201	Introduction to Nursing Practice	2	S. Dakessian Sailian, L. Kantar
NURS 202	Health Assessment	2	T. Gulgulian, D. Madi
NURS 203	Biostatistics for Nurses	3	S. Fares

Summer 2018

Course Number	Course name	Credits	Faculty
NURS 210	Pathophysiology	2	A. Massouh
NURS 307	Practicum I	0	T. Avedissian, S. Dakessian, D. Damianos, T. Gulgulian, H. Masalkhi H. Tashjian
NURS 506	Residency-Advanced Practice in Adult Gerontology	4	S. Noureddine
NURS 508	Residency-Advanced Practice in Nursing Administration	4	L. Younan
NURS 519	Clinical Residency in Acute Psychiatric Care	4	L. Farhood
NURS 524	Residency in Community Health Nursing	4	M. Arevian, G. Honein
NURS 598	Project	3	L. Farhood, H. Huijer
NURS 598A	Project	3	H. Darwish, G. Honein
NURS 598B	Project	3	M. Arevian, N. Dumit
NURS 599	Thesis	6	L. Farhood, H. Huijer
NURS 599A	Thesis	6	H. Darwish

Fall term 2018-19

Course Number	Course name	Credits	Faculty
NURS 200	Introduction to Nursing	2	G. Assaf, T. Gulgulian, M. Khoury
NURS 300	Nursing Care of Adults I	5	M. Adra, S. Dakessian Sailian, L. Kantar
NURS 304	Nursing Care of the Expectant Family	5	T. Avedissian, D. Damianos, T. Gulgulian, M. Khoury, D. Madi
NURS 406	Nursing Research	3	S. Dhaini, G. Honein
NURS 404	Nursing Informatics	2	I. Fakh
NURS 400	Critical Care Nursing	4	S. Dakessian Sailian, A. Massouh, H. Tashjian
NURS 402	Mental Health and Psychiatric Nursing	5	G. Assaf, L. Farhood, H. Masalkhi, M. Saadeh
NURS 408	Community Health Nursing	5	M. Arevian, T. Avedissian
IPEC 300	Inter-professional Education	1	M. Adra, N. Alayan, N. Dumit, A. Massouh
IPEC 300	Inter-professional Education	1	M. Adra, N. Alayan, N. Dumit, G. Honein, A. Massouh S. Noureddine
NURS 500	Theories, Concepts and Ethical Frameworks for Advanced Nursing Practice	2	M. Clinton
NURS 501	Advanced Nursing Practice: Scope and Roles	2	L. Farhood
NURS 504	Advanced Pathophysiology	3	S. Noureddine
NURS 505A	Advanced Practice in Adult Gerontology I	4	S. Noureddine
NURS 506	Residency-Advanced Practice in Adult Care II	4	S. Noureddine
NURS 508	Residency in Nursing Administration	4	M. Clinton, N. Dumit, L. Younan

Course Number	Course name	Credits	Faculty
NURS 519	Clinical Residency in Acute Psychiatric Care	4	L. Farhood
NURS 523	Advanced Community Assessment and Interventions	3	G. Honein
NURS 524	Residency in Community Health Nursing	4	M. Arevian, G. Honein
NURS 526	Comprehensive exam	0	S. Noureddine
NURS 527	Developing Health Services Programs	3	N. Dumit
NURS 530	Statistical Reasoning and Applications in Nursing Research	2	S. Fares
NURS 531	Practical Applications of Budgeting in Nursing	1	L. Younan
NURS 533	Digital Tools for Connected Health	3	L. Younan
NURS 598	Project	3	M. Arevian, M. Clinton, H. Darwish N. Dumit, L. Farhood, H. Huijer, G. Honein, S. Noureddine, L. Younan
NURS 598A	Project	3	M. Clinton, G. Honein
NURS 598 B	Project	3	M. Arevian
NURS 599	Thesis	6	M. Clinton, H. Darwish, N. Dumit, L. Farhood, S. Noureddine
NURS 599A	Thesis	6	M. Clinton, H. Darwish, N. Dumit, S. Noureddine, L. Younan
NURS 599B	Thesis	6	M. Clinton, H. Darwish, N. Dumit
NURS 599C	Thesis	6	M. Clinton
NURS 601	Philosophical And Theoretical Perspectives In Nursing Science	3	L. Farhood
NURS 602	Quantitative Research Designs	3	S. Noureddine

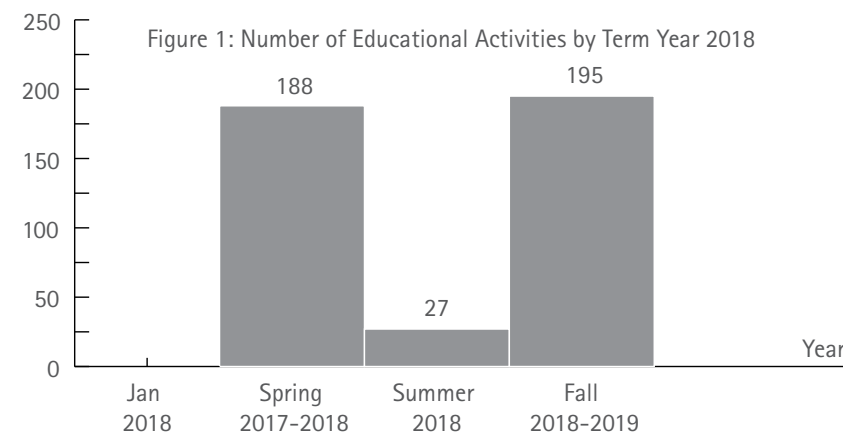
C. SIMULATION TECHNOLOGY AT HSON

Academic Year 2017-18

During 2018, the Simulation and Clinical Competency Center (SCCC) was used for activities/services for both AUB and non-AUB users in line with its mission statement. Users included HSON students enrolled in undergraduate and graduate programs (HSON users), nutrition and dietetics students, medical students, residents, and faculty members and nurses from AUB and elsewhere (non-HSON users).

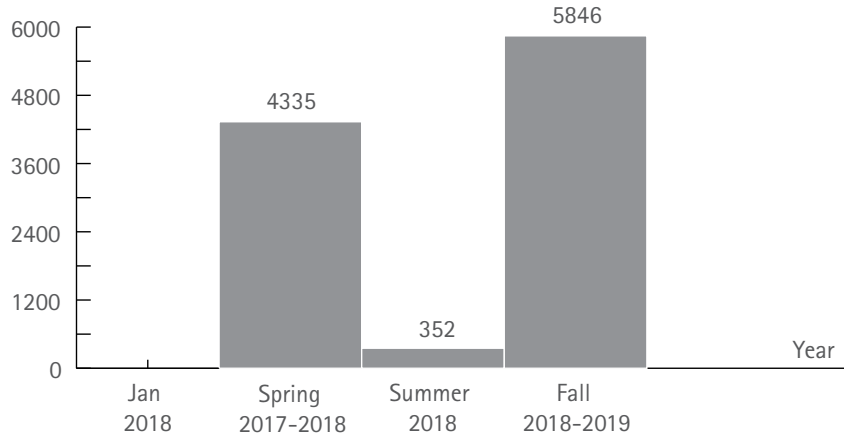
The figures below summarize activities conducted at the SCCC by term

For the year 2018, there were 410 simulation training activities/ experiences at SCCC involving 10,533 participants, including HSON and non-HSON users. This shows a 1.9% decrease in activity and a 12.8% increase in the number of participants since 2017. The fall term had the highest number of activities (47.6%) and the highest number of users (55.5%). (See Figures 1 and 2 below.)



Educational Activity: each time the lab is utilized regardless of the objectives or content of the learning/teaching that is taking place.

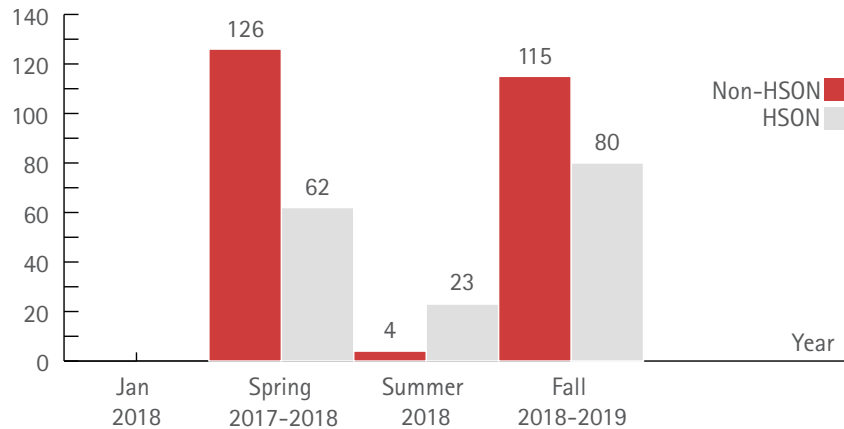
Figure 2: Number of Participants by Term Year 2018



Participant: any person using the lab.

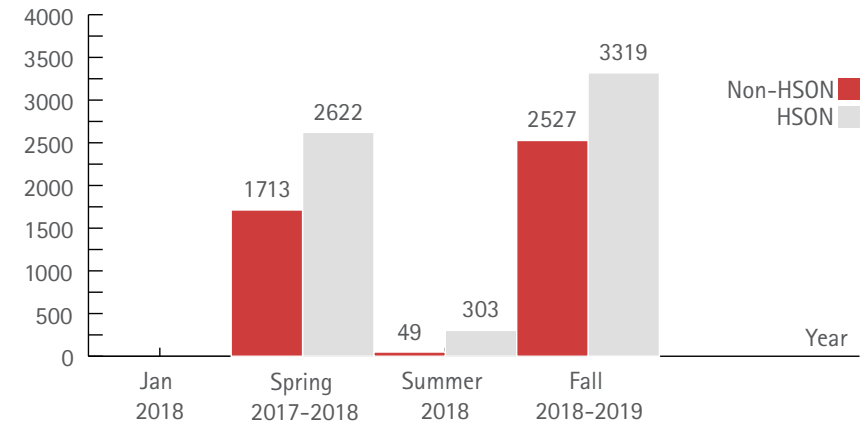
During the spring and fall terms, HSON activities outnumbered non-HSON activities. During the summer, there were more non-HSON activities in the lab, as FM finishes its term much later than HSON. (See Figure 3).

Figure 3: HSON vs Non-HSON Activity-Term



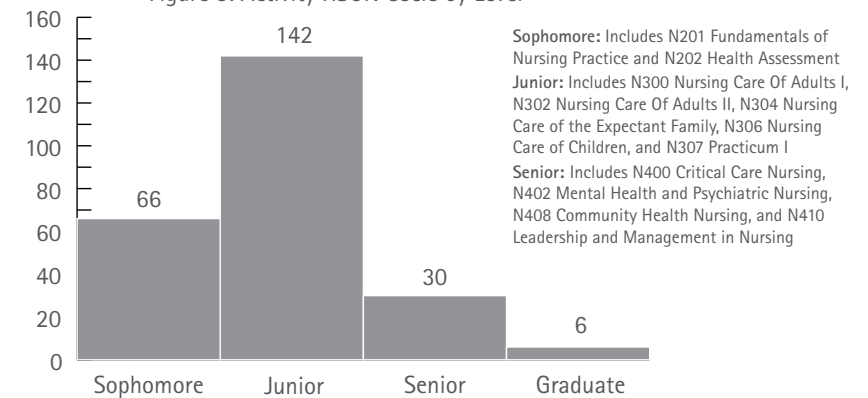
There were 33.6% more users in the fall term than in the spring term. There were more non-HSON users than HSON users in all terms. (There were 53% more non-HSON users in the spring and 34.8% more in the fall.) Medicine have larger classes-around 110 students are enrolled yearly. (See Figure 4).

Figure 4: HSON vs Non-HSON Participants-Semester



The use of the facility by HSON faculty and students peaks in the junior year. In the MSN program, the SCCC is used in N503 Advanced Health Assessment course and in N509 Role Development in Nursing Education course. There were a total of 6 activities in these graduate courses this past year, as shown in Figure 5 below.

Figure 5: Activity HSON Users by Level



D. STUDENT PROJECTS, THESES, RESIDENCIES

MSN STUDENT PROJECTS AND THESES

Name	Track	Defense Date	Project/Thesis	Project title	Project/Thesis Committee
Grace Hakim	Adult Care	February 5, 2018	Thesis	Sex Difference in Outcomes of Adult Patients with Traumatic Brain Injury	Dr. Darwish, Nouredine, El Sayed, Tamim
Joelle Bassila	Administration	March 5, 2018	Project	Developing a Bereavement Program for Palliative Care Patients at AUBMC	Dr. Dumit, Osman
May Dassouki	Nursing Administration	April 11, 2018	Project	Role Expectations of Master's Student Prepared Nurses	Dr. Younan, Clinton
Lina Al Wattar	Nursing Administration	April 24, 2018	Project	Improving Patient Satisfaction by Providing Empathy Training Sessions for Healthcare Professionals	Dr. Clinton, Younan
Lana Iskandarani	Nursing Administration	April 24, 2018	Project	Nurse-led Patient Access Line for Oncology Patients	Dr. Dumit, Clinton
Linda Mardinian	Nursing Administration	April 27, 2018	Project	Fear of Becoming a Robotic Registered Nurse	Dr. Clinton, Younan

Name	Track	Defense Date	Project/Thesis	Project title	Project/Thesis Committee
Hind Abdel Massih	Adult Care Nursing	May 2, 2018	Project	Educational Program for Hospital Nurses on Diabetes Mellitus	Dr. Nouredine, Kantar
Marwa Ahmad	Community and Public Health Nursing	May 3, 2018	Project	Cervical Cancer Prevention/Awareness Program	Ms. Arevian, Dr. Kantar
Mariam Assaf	Community and Public Health Nursing	December 7, 2018	Project	Developing and Disseminating the Panel Management Approach for Improving Cancer Screening Services in Primary Healthcare Centers in Lebanon	Dr. Honein, Abi Fakhr

MSN STUDENT RESIDENCIES

Name	Track	Residency Term	Residency Supervisor	Residency Site	Preceptor	Preceptor title
Sarah Abu Rihan	Psychiatric Mental Health Nursing Clinical Nurse Specialist	Summer 2017-18	Laila Farhood	AUBMC Psychiatry in-patient Mwaadieh Center Teaching education N402 students at HSON	Laila Farhood	Professor, Psychiatry Mental Health

Name	Track	Residency Term	Residency Supervisor	Residency Site	Preceptor	Preceptor title
Zepur Aharonian	Nursing Administration and Management		Lina Younan	Evidence-Based Healthcare Management Unit (EHMU), AUBMC	Hussein Souiedan	EHMU Coordinator
Mariam Assaf	Community and Public Health Nursing	Fall 2017-18	Gladys Honein	4 weeks at Ministry of Public Health	Imad Haddad	Non-communicable Diseases (NCD) Coordinator
				2 weeks research with Dr. Honein	Gladys Honein	Assistant Professor
Mireille Chehade	Adult Gerontology Clinical Nurse Specialist	Summer 2017-18	Samar Nouredine	Johns Hopkins University Hospital, Baltimore, Maryland	Tania Randell Tim Madeira	Clinical Nurse Specialist
				AUBMC	Angela Massouh	Assistant Professor
Nay Ezzeddine	Community and Public Health Nursing	Spring 2017-18	Mary Arevian Bakalian	Ibad Al Rahman, Barbour	Nizar Lababidi	Director
Linda Fakhreddine	Psychiatric Mental Health Nursing Clinical Nurse Specialist	Summer 2017-18	Laila Farhood	Psychiatry Department, AUBMC, both in- and out-patient units	Laila Farhood	Professor, Psychiatry Mental Health
Miray Harakeh	Community and Public Health Nursing	Summer 2017-18	Mary Arevian Bakalian	Ministry of Public Health	Imad Haddad	Accreditation and NCD Coordinator

Name	Track	Residency Term	Residency Supervisor	Residency Site	Preceptor	Preceptor title
Elsa Jarawan	Psychiatric Mental Health Nursing Clinical Nurse Specialist	Summer 2017-18	Laila Farhood	Mwaadieh Center	Maya Bizri	Clinical Instructor, Department of Psychiatry, AUBMC
				Psychiatry Department, AUBMC, both in- and out-patient units	Laila Farhood	Professor, Psychiatry Mental Health
Melissa Makhoul	Adult Gerontology Clinical Nurse Specialist	Fall 2018-19	Samar Nouredine	Acute Pain Management Services, Shock Trauma Center (STC), University of Maryland Medical Center (UMMC), Baltimore, Maryland	Patricia B. Casper	Certified Registered Nurse Practitioner, CRNP
Bisan Mousa	Psychiatric Mental Health Nursing Clinical Nurse Specialist	Fall 2018-19	Laila Farhood	Psychiatry Department, AUBMC, both in- and out-patient units	Laila Farhood	Professor, Psychiatry Mental Health
				Teaching education N402 students at HSON		

Name	Track	Residency Term	Residency Supervisor	Residency Site	Preceptor	Preceptor title
Nadia Omeish	Nursing Administration and Management	Summer 2017-18	Lina Younan	Cleveland Clinic Abu Dhabi	Antoinette Zakhour	Program Manager-Academic Partnership & Specialty Certification
Lubna Rajab	Psychiatric Mental Health Nursing Clinical Nurse Specialist	Summer 2017-18	Laila Farhood	Soins infirmiers et développement communautaire Psychiatry Department, AUBMC, both in- and out-patient units	Chirine Tohme Laila Farhood	Clinical Psychologist , SIDC Professor, Psychiatry Mental Health
Cynthia Rizkallah	Community and Public Health Nursing	Spring 2017-18	Gladys Honein	2 weeks at Hopkins Obstetrics/ Gynecology Department, Baltimore 4 weeks at Best Start by Health Nexus-, Toronto	Shirl Kowalewski- Barbara Lamartina Louise Choquette	Assistant Director Nurse Manager Bilingual Health Promotion Consultant
Ahmad Termos	Adult Gerontology Clinical Nurse Specialist	Fall 2018-19	Samar Nouredine	Johns Hopkins University Hospital, Baltimore, Maryland	Rose Ostendarp	Clinical Educator, Emergency Department

A series of five thin, red, curved lines originate from the left edge of the page and sweep upwards and to the right, creating a decorative border. The lines are of varying lengths and curves, all in a consistent red color.

III. STUDENT-RELATED ACTIVITIES

A. STUDENT ENROLLMENT/SCHOLARSHIPS

- The total number of applicants to the BSN program for 2018-19 was 417 including applicants sponsored by USAID and the MasterCard Foundation. The total number of accepted students was 168 and the total number who confirmed their enrollment was 66. This includes 2 students accepted as early admission, 3 transfer students from outside AUB, 3 transfer students from within AUB, 6 students sponsored by USAID, and 4 students working for a second degree.
- The total number of applicants to the MSN program for 2018-19 was 30; the total number of accepted students was 23 and the total number who confirmed their enrollment was 17.
- The first cohort of PhD students started in fall 2018-19. The total number of applicants was 20, 4 were accepted, and 3 enrolled.
- A total of 59 interviews were conducted with new and currently registered BSN students; 50 were recommended for scholarships, and 32 were enrolled. The 60% (Financial Aid and HSON scholarship) is still attracting students who select a nursing major as their 3rd, 4th, or 5th choice when they apply to AUB.

	Total
Interviewed	59
Recommended	50
Total new scholarships offered to new and current students	40

- The table below shows student enrollment for the last five years:

	BSN				
	2014-15	2015-16	2016-17	2017-18	2018-19
Regular applicants	259	259	276	376	226
USAID applicants	90	82	80	114	143
MasterCard Applicants			10	89	48
Total Applied	349	341	356	490	417
Acceptance	179	186	182	165	168
New Enrolled	70	55	65	61	66
Yield	39%	30%	36%	37%	39%

	BSN				
	2014-15	2015-16	2016-17	2017-18	2018-19
Committed	54	39	55	55	60
Total Enrollment	185	172	163	160	171
Female	77%	72%	68%	66%	67%
Male	23%	28%	32%	37%	33%
Lebanese	81%	81%	79%	78%	74%
International	19%	19%	21%	23%	26%
BSN Graduates	40	40	34	37	

	MSN				
	2014-15	2015-16	2016-17	2017-18	2018-19
Regular applicants					
USAID applicants					
MasterCard Applicants					
Total Applied	47	31	38	32	38
Acceptance	42	28	35	26	26
New Enrolled	23	12	19	9	17
Yield	55%	43%	54%	35%	65%
Committed	22	12	18	9	17
Total Enrollment	60	55	51	44	52
Female	75%	85%	88%	86%	85%
Male	25%	15%	12%	14%	15%
Lebanese	85%	93%	90%	89%	92%
International	6%	7%	10%	11%	8%
BSN Graduates	17	16	18	10	

B. STUDENT RECRUITMENT AND MARKETING

Student recruitment and marketing of the BSN and MSN programs remain a priority at HSON. The marketing strategy for student recruitment in 2018 included various activities:

- **Graduate Open House:** HSON participated in the Graduate Open House on February 20, 2018 organized by the Graduate Council to promote graduate programs. The event was very successful and around 38 potential applicants attended and visited the HSON stand.
- **School visits:** The HSON team visited 21 high schools to recruit students. School counselors were contacted and a poster was sent to all schools inviting high school students to visit the simulation lab at HSON.
- **Visits to HSON:** A 4-hour orientation and mentoring program has been prepared for all visiting high school students who are interested in learning more about the nursing profession:
 - » **First session:** informational session at HSON by the Student Services Office (SSO) about the nursing profession, work opportunities, admission requirements, and the BSN program at HSON
 - » **Second session:** simulation lab session
 - » **Third session:** class attendance
 - » **Fourth session:** volunteering at the AUBMC Courtesy Office (to get exposed to a healthcare setting)
- **HSON received 6 high school students who were interested to visit HSON.** They attended the 4-hour orientation program and expressed their satisfaction in the program. They became more interested in the nursing profession and in applying to the BSN program
- **AUB Annual School Fair:** HSON participated in the AUB Annual School Fair for undergraduate programs in April 2018 organized by the Office of Admissions.
- **AUBMC Open House:** On May 2, 2018, HSON participated in the AUBMC Open House to recruit nurses from all over Lebanon. The SSO had a booth to promote the MSN program.

- **Orientation of new nurses at AUBMC:** During the orientation for new nurses at AUBMC in February, March, May, August, October, and December 2018, the SSO presented the MSN program requirements. This presentation became part of the orientation program organized by the AUBMC Clinical and Professional Development Center (CPDC).
- **Marketing and promotion of HSON academic programs is also done through:**
 - » **Social media:** In addition to Facebook, LinkedIn and YouTube, a twitter account has been created.
 - » **Nursing Centralized Application System (CAS) portal:** to recruit students from North America for the MSN program and for the BA/BS-BSN second degree accelerated program.

C. STUDENT ACTIVITIES

Nursing students were involved in various community projects and activities in their Community Course and in events organized by the Nursing Students Society (NSS) in 2018:

- **New Student Orientation:** During the orientation of newly-enrolled students, some undergraduate and graduate students provided testimonials and success stories about the nursing profession.
- **AUB Mentorship in Nursing:** In 2017, HSON launched the AUB Mentorship in Nursing (AMIN) program that provides new students with mentors to help and guide them as needed. AMIN was founded by Elizabeth Cantrell and is managed by the NSS. AMIN reports to the NSS advisor, Dr. Angela Massouh. Rami Al Chami was selected to be the head mentor for the 2018-19 academic year.

The following mentors were selected for fall 2018-19:

Mentors at AMIN

Sibelle Bou Nassif	Lana Nehmani	Mohammad Sweidan
Rami Al Chami (Head)	Rana Samad	Laya Nour Yammout
Maya Kabakibi	Zeina Sayegh	Yousra Al Zahabi
Aya Moreno	Zuhat Shehimi	

- **School Fair:** BSN and MSN students participated in the AUB School Fair that was open to students from different high schools. HSON had a stand at the Olayan School of Business to inform visitors about the BSN program at AUB.
- **The AACN Graduate Nursing Student Academy (GNSA):** Ninar Skheita was selected to be the new GNSA liaison for HSON graduate students. She informs graduate students about upcoming events, news, conferences, career fairs, etc.
- **The Middle East Student Ambassador Program by Elsevier:** Elsevier has launched the Middle East Student Ambassador Program to connect with the university and support students throughout their careers. One of the nursing students was selected as a student ambassador to help Elsevier engage with other students on campus. The main goal of the ambassador is to help Elsevier to write book reviews whenever they want to promote titles, increase the visibility of Elsevier through social media, and conduct surveys for market research.
- **Medical Research Volunteer Program (MRVP):** Occasionally, undergraduate nursing students volunteer to participate in the Medical Research Volunteer Program (MRVP) organized by AUB.
- **AUB Outdoors** Nursing students participated in the AUB Outdoors activities in May 2018.
- **NSS elections:** Elections for the Nursing Student Society were held in September 2018 and the cabinet was formed as follows:
 - » President: Aya Moreno
 - » Vice President: Zuhair Ali Shehimi
 - » Vice President: Jaafar Hoteit
 - » Treasurer: Hiba Fadlallah
 - » Treasurer: Anas Intabli
 - » Secretary: Yousra Al Zahabi
 - » Public Relations; Mohamed Sweidan
 - » Member at Large: Maya Kabakibi

- **SRC and USFC elections:** Elections for the SRC and USFC were held in October 2018 and the results were as follows:

Department	Election Pool	Name
Nursing	FM USFC	Tarek Youssef (Nursing)
Nursing	NURSING IV and GR	Sary M Faraj
Nursing	NURSING II and III	Mohammad Ziad Z Bakkar

- **AMIN coffee hour:** AMIN mentors organize a coffee hour for new and returning students so that, for example, new students can find out from senior students about the program, activities, etc.
- **General Assembly for NSS**
On November 6, 2018, NSS held its first General assembly of the year. The cabinet was introduced to the students, and students were informed about NSS, its mission and activities. Students suggested several activities to be placed on the agenda of NSS. In the end, a fun game was held, and pizza & drinks were served.
- **Introducing the nursing major to freshman students**
On November 26, 2018, NSS took part in the Major's event for freshman student. The nursing major was introduced to freshman students at AUB.
- **Activities for a good cause**
On December 3, 2018, NSS's first movie night was held! The movie Venom was screened, and proceeds were donated to Home of Hope NGO.

Also, On December 4, 2018, a fundraising activity was done for a good cause on AUB campus. The profits were donated to the Home of Hope NGO, which serves abandoned, abused, and orphaned children in Lebanon.
- **Christmas Tree Decoration**
Students came together on December 4, 2018 to decorate the Christmas Tree at the School of Nursing.

- **Trivia Night**

On March 6, 2019, the first Trivia Night was held by NSS. Students grabbed their general knowledge and fun spirits and got competitive. In the end, the winning three teams got valuable prizes from sponsors: Latte Art, Spiced and Sliced, The Conut, Roadster Dinner, and Crepaway!

- **LGBT Health Workshop**

On March 17, 2019, NSS and LEBMASH held the LGBT Health Student Workshop. This workshop provided students with basic knowledge about sexual health, health concerns, and disparities of lesbian, gay, bisexual, and transgender communities. The workshop used active learning strategies to provide students with opportunities to practice affirming and inclusive health regardless of sexual orientation or gender identity.

- **Nursing Mini-Conference:** Undergraduate nursing students in their senior year submitted abstracts and developed research proposals as part of their assignments in the NURS406 research course and to help them develop the skills they would need to be nursing researchers. The conference was organized by Dr. Gladys Honein and Dr. Suzanne Dhaini.

D. OTHER STUDENT SERVICES AND RESOURCES

- **Credentialing Requests of Nursing Graduates**

With the great demand for certification in different areas of nursing, the number of requests for credentials from graduates has increased. In 2018, HSON received 14 requests by foreign institutions to complete students' credentials; the majority were submitted to the Commission on Graduates of Foreign Nursing Schools (CGFNS) in the USA.

CGFNS International, USA	10
Department of Consumer Affairs (DCA), USA	2
Ordre des infirmiers et infirmieres du Quebec, Canada	1
Nursing and Midwifery Council (NMC), UK	1

At the request of the Student Services Office, a new online credentialing request has been developed by the IT Department that enables nursing alumni to request and pay for their credentials online. The service is expected to go live in early 2019.

- **Online Petition Form System**

A total of 172 petitions were processed in 2018. The majority were related to underload credits and late course withdrawal. Ongoing enhancements were done to improve the Online Petition Form System.

- **Students Evaluation and Scholarship Database**

The project has been initiated by the Student Services Office to automate the student evaluation and scholarship process. It is a major project that involves other parties at AUB, such as the Offices of Admissions and Financial Aid. It is still pending the automation of other processes in other related departments, such as the financial aid application.

- **Electronic Archiving System**

HSON is trying to implement an electronic archiving system mainly for all student files. The project is being implemented in coordination with the IT team and other departments at AUB who have similar archiving systems.



IV. RESEARCH AND SCHOLARLY ACTIVITIES

A. CURRENT HSON FACULTY RESEARCH

Principal Investigator: Huda Abu-Saad Huijer

Palliative Care in Older Adults in Lebanon

The purpose of this study is to evaluate the quality of palliative care (PC), the quality of life (QoL), symptom management, and functional ability among hospitalized older adults in need of palliative care in Lebanon.

Co-investigators: Marina Adra, Suzan Dhaini, Souha Fares, Hussam Ghush, Ramzi Hajjar, George Karam, Samar Nouredine

Funding: CNRS

Status: Data collection completed. Data analysis and write-up in progress.

Principle Investigator: Huda Abu-Saad Huijer

Chronic Pain: The Development and Psychometric Validation of an Arabic-Language Version of the Pain Catastrophizing Scale (PCS-A)

Chronic pain is believed to be a disease on its own and has been increasing in prevalence. The 13-item Pain Catastrophizing Scale (PCS) is the most widely used measure of pain-specific catastrophizing and assesses three dimensions: rumination, magnification, and helplessness. The purpose of the project is to develop and psychometrically evaluate PCS in Arabic among a sample of 150 adult chronic pain patients in Lebanon.

Co-investigators: Souha Fares, Douglas French

Funding: Pfizer

Status: Completed. One article published and others in preparation.

Principal Investigator: Lina Abi Fakher Kantar

Preceptors' Perspectives on their Teaching Practice: Implications for Academia and Service

This study aims at exploring the experiences of preceptors in the clinical teaching of nursing students to assess their educational needs and preparedness for teaching. Qualitative, focus group interviews will be used to gain insights into the experiences of 30 clinical preceptors, situated in three recognized healthcare

facilities in Beirut. The emergent themes will guide both academia and service in the development of a curriculum targeting the teaching behaviors and teaching practices of preceptors.

Co-investigator: None

Funding: Center for Teaching and Learning – AUB (2017-19)

Status: Data collection.

Principal Investigator: Lina Abi Fakher Kantar

Preceptor Pedagogy in Nursing Education: A Cognitive Task Analysis Research

This study aimed at assessing the pedagogical principles of the preceptor-driven model in undergraduate nursing programs.

Co-investigators: Sawsan Ezzeddine, Ursula Rizk

Funding: URB

Status: Publication submitted to Nurse Education Today.

Principal Investigator: Lina Abi Fakher Kantar

Preceptors in Clinical Teaching of Nursing Students: Are We on the Right Track?

This study aimed at understanding the preceptors' conceptions of teaching in learner-centered clinical teaching.

Co-investigators: Sawsan Ezzeddine, Ursula Rizk

Funding: URB

Status: Paper accepted for presentation at the 45th Annual National Conference of the Professional Nurse Educators Group (PNEG), Wayne Forte, Indiana, USA.

Principal Investigator: Lina Abi Fakher Kantar

Case-based Learning and the Development of Professional Skills: Perceptions of Nursing Students

This study aimed at exploring perceptions of nursing students who had completed two undergraduate nursing courses using case-based learning, to be able to identify professional skills that may be gained from this instructional approach.

Co-investigator: None

Funding: None

Status: Paper presented at the 2nd International Nursing Conference of the Order of Nurses in Lebanon. Beirut, Lebanon.

Principle Investigator: Marina Adra

Exploring Resident Staff Relationships in Nursing Homes in Lebanon

To explore the prevailing relationships between nursing home residents and staff and to elicit the factors that influence these relationships.

Co-investigators: Zepur Aharonian, Abla Sibai

Funding: MPP

Status: Study completed, paper written, to be submitted to the Journal of Gerontological Nursing.

Principal Investigator: Marina Adra

Promoting a Culture of Community in Nursing Homes in Lebanon through Forging Partnerships

The aim of this study is to contribute to the understanding of how the formation of significant relationships in care homes in Lebanon may support the development of a culture of community.

Co-investigators: Zepur Aharonian, Abla Sibai

Funding: URB

Status: Institutional Research Board (IRB) approval in progress.

Principal Investigator: Elie Akl

Exploring the Factors Impacting the Trust of the Lebanese Public in Physicians: a Qualitative Study

The aim of this qualitative study is to explore the factors that impact the trust of the Lebanese public in physicians.

Co-investigators: Gladys Honein, Bashir Shaya, Ali Khalil, Nadine Al Homs, Kevin Eid, Zeinab Haidar, Kelly Merheb

Funding: None

Status: Manuscript submitted for publication to BMC Health Services Research.

Principal Investigator: Elie Akl

Fellowship and Residency Research Program at AUBMC - Moving Forward

The aim of this qualitative study is to evaluate the fellowship and residency program at AUBMC and explore the barriers they face in order to suggest measures for improvement.

Co-investigators: Gladys Honein, Pamela Abi Khalil

Funding: AUBMC

Status: Manuscript in preparation.

Principal Investigator: Nour Alayan

Nurses' and Pediatricians' Attitudes, Perceptions, and Practices of Screening, Brief Intervention, and Referral to Treatment (SBIRT) for Adolescent Substance Use: A Multisite Cross-Study in Primary Care and School Settings

This study aims to explore nurses' and pediatricians' attitudes, perceptions, and practices regarding adolescent substance use screening and interventions.

Co-investigators: Tamar Avedissian, Ghada Assaf, Farid Talih

Funding: URB

Status: Ongoing.

Principal Investigator: Marlene Chakhtoura

Research Fellowship Program at AUBMC

The aim of this qualitative study is to explore research fellows' and mentors' views about research training at AUBMC and the challenges they face. Taking into consideration the currently available models in the USA, and based on the suggestions and needs identified locally, we will establish a formal training program for research fellows.

Co-investigators: Gladys Honein, Rola Rassi, Elie Akl

Funding: AUBMC

Status: Manuscript in preparation.

Principal Investigator: Michael Clinton

From Education to Practice: The Challenges that Nursing Students and Novice Nurses Face in Lebanon

This qualitative study involves three university sites and three hospitals in Lebanon. The study is designed to investigate from the point of view of students and registered nurses (RNs) in the first year of practice the challenges they face as they engage in clinical nursing practice. The study focuses on challenges that are unique to Lebanon. Separate focus groups will be formed at the three universities. The three focus groups will explore the challenges students face as they transition to the clinical experience in BSN IV. Separate focus groups will be established at three hospitals in Beirut. The hospitals will be those that generally recruit the most graduates from the respective universities. The three focus groups will focus on the challenges RNs face in their first year of practice in Lebanon. Thematic analysis and the constant comparative method will be used to analyze the data. The study findings may suggest strategies for reducing attrition in BSN programs in Lebanon and may assist hospital administrations to reduce attrition of RNs in their first year of practice.

Co-investigators: Myrna Doumit, Sawsan Ezzeddine, Ursula Rizk

Funding: None

Status: Manuscripts published.

Principal Investigator: Michael Clinton

Comparison of Organizational Research Climates in Universities in Lebanon, Canada, and Australia: An Initial Study

The strategic purpose of this initial study is to establish an international program of research focused on the regulation of human subject research. In this initial study the organizational research climates of selected universities in Lebanon, Canada, and Australia will be described and compared. Subject to ethical and institutional approval the study will be conducted at the American University of Beirut, the Lebanese American University, the University of Saskatchewan, and the University of Newcastle, New South Wales. This survey is the first of its kind to assess from the perspective of investigators and graduate students the

organizational research climate in three countries. The results will provide a basis for expanding the survey to other universities in Lebanon and the wider region, Canada, and Australia.

Co-investigator: Dr. Rusla Anne Springer, University of Saskatchewan, Canada

Funding: None

Status: Analysis for the Lebanon and Canada arms of the study complete. Institutional issues to be explored prior to publication of study findings.

Principal Investigator: Laila Farhood

Promoting Psychosocial and Mental Healthcare through Community-based Educational Workshops for Teachers and Parents: A Follow-up to Mental Health Assessments in Civilians Exposed to Traumatic Events of War in the South of Lebanon

This intervention study employs a quantitative, quasi-experimental pre-post design in which community-based educational programs with teachers and parents were implemented in two schools in South Lebanon. The study consisted of two phases. In the first phase audio taped focus groups with teachers and parents were conducted in order to identify their attitudes and beliefs towards mental illness, symptoms and treatment (this paper was published in JTN). Based on the identified themes, community-based educational programs with the same sample were implemented. Mental health educational workshops were conducted by mental health professionals in psychiatry and psychology over the course of six weeks (two per weekend) in one venue at Marjeyoun National School. Both teachers and parents participated in the workshops, which sought to address various topics on mental health and psychosocial care. The efficacy of this intervention was assessed by comparing scores on PTSD, General Health, Strengths and Difficulties, and Attitudes towards Mental Illness Questionnaires prior to and after its implementation, as well as at 1.5 year follow up.

Co-investigators: Fadi Maalouf, Myrna Doumit, Souha Fares

Funding: MPP and URB

Status: Published.

Principal Investigator: Laila Farhood

An Investigation of War Trauma Experiences and Post-Traumatic Stress Reactions in a South Lebanese Civilian Sample: How Does Gender Fit in the Equation?

This study is part of a bigger one assessing PTSD, Depression and other psychiatric morbidities and their mediating factors in a civilian population exposed to war. The study aimed to assess gender differences in: (1) PTSD prevalence; (2) reported trauma types; (3) reported clusters of symptoms of trauma; and (4) risk factors associated with PTSD. These findings, in turn, enabled us to draw different PTSD symptom, trauma-vulnerability, and risk factor profiles for civilian men and women exposed to war traumas. These profiles would yield insight on alternative assessment and intervention strategies that are sensitive to both genders and strategies that are not necessarily considered in today's approach to PTSD assessment and intervention.

Co-investigators: Souha Fares, Carmen Hamady

Funding: MPP, URB

Status: Published.

Principal Investigator: Hala Darwish

Interacting with Nature Using Virtual Reality: A Pilot Intervention to Restore Cognitive Fatigue in Patients with Multiple Sclerosis (MS)

Examine the effect of 12 weeks interactive virtual reality (using low cost improved mobile VR headsets), nature compared to urban environment, on cognitive fatigue in MS patients.

Co-investigator: Mariette Awad

Funding: CRS 2 years

Status: IRB review

Principal Investigator: Hala Darwish

Longitudinal Effect of Vitamin D3 Replacement on Cognitive Performance and MRI Markers in Multiple Sclerosis Patients: A Single-Blind Randomized Clinical Trial

This is a longitudinal single-blind randomized trial to test the effects of high compared to low dose Vitamin D3 supplementation on cognitive performance at 6 and 12 months, and MRI measures of 12 months duration.

Co-investigators: Samia Khoury, Nabil El Ayoubi, Salem Hannoun

Funding: MPP

Status: Ongoing.

Principal Investigator: Hala Darwish

Environmental Enrichment and Exercise (EE+Ex) Affects Object Recognition, Spatial Learning and Memory, and Epigenetic Events Post Severe Traumatic Brain Injury

Severe Traumatic Brain Injury (TBI) survivors suffer from persistent cognitive deficits. Similarly, long-term recognition, temporal order, and spatial learning and memory deficits follow experimentally induced severe TBI in rats. Therapies such as environmental enrichment (EE) and exercise are promising and enhance memory functions post severe TBI. However, few studies have examined epigenetic, astrocytic changes in relation to memory functions after EE and exercise. Severe TBI using controlled cortical impact head injury in mice will be used. After 14 and 21 days of EE coupled with daily exercise, spontaneous object recognition, temporal order, and spatial learning and memory will be assessed using an open field and Morris water maze. Neurogenesis, epigenetic events, and astrocytes changes will be measured using immunohistochemistry labeling and quantitative real time PCR. Decreased memory impairment and increase in neurogenesis in the experimental group compared to controls is expected; in addition to an elevation in the number of astrocytes as well as up-regulation in GFAP and Vimentin expression. Decreased DNA methylation and increased histone acetylation in the hippocampus are expected as well. Controlling and modifying the severe TBI survivors' environment as well as exercise to stimulate and restore sensory, motor, and cognitive function is of great clinical importance.

Co-investigator: Firas Kobeissy

Funding: CNRS

Status: Ongoing

Principal Investigator: Hassan Dhaini
N-Acetylation Traits as Effect Modifiers of the Association Between Smoking-based Arylamine Exposure and Tumorigenic Outcome in Lebanese Urothelial Bladder Cancer Patients

The study aims to investigate a potential association between smoking and tumorigenic outcome in urothelial bladder cancer patients, as well as to examine the modifying effect of metabolic N-acetylation traits. This study is expected to improve our understanding of the etiology of bladder cancer. We anticipate providing evidence in support of a gene-environment interaction that may underlie the unusually high incidence of bladder cancer in Lebanon.

Co-investigator: Souha Fares

Funding: URB

Status: Data collection in progress.

Principal Investigator: Suzanne R. Dhaini
Implicit Rationing of Nursing Care among Lebanese Patients (Rational) – A Longitudinal Study on the Variations, Trends, Predictors, and Outcomes of Rationed Nursing Care

The purpose of this study is to investigate the variations and trends of rationing of nursing care on a shift-level basis over time on medical, surgical, and pediatric units in a Lebanese university affiliated hospital and its association with work environment factors, as well as nurse and patient outcomes.

Co-investigators: Michael Simon, Dietmar Ausserhofer, Nuhad Dumit, Huda Abu-Saad Huijer

Funding: MPP

Status: Data collection.

Principal Investigator: Nuhad Dumit
Analyzing the Antecedents of Nurse Absenteeism in Medical Centers in Lebanon

The main aim of this study is to examine sickness absences at major medical centers across the country in terms of prevalence, nature, causes, trends,

frequency, cost, and impact on services provided. Another aim is to explore reasons for sickness absence in order to recommend and implement appropriate intervention(s) for effective absence management. A third aim is to validate the JOINT model created in a systematic literature review (article published) by the investigators.

Co-investigator: Lina Daouk Oryy

Funding: Evidence-Based Healthcare Management Unit, AUB

Status: Writing manuscripts.

Principal Investigator: Nuhad Dumit
Assessing Basic and Continuing Education Learning Needs of Nurses in Lebanon

The purpose of the study is to identify the basic and continuing education learning needs and preferred ways of learning of bedside nurses in Lebanese hospitals. It is expected that the results of this study will inform the design of basic and continuing education programs that can be tailored to the needs of bedside nurses. This study is being done in collaboration with the Order of Nurses in Lebanon and nursing faculty members from the University of Saint Joseph, University of Balamand, and Lebanese University.

Co-investigators: Souha Fares, Marie Therese Sabbagh, Mireille Najjar, Gisel Hajal, Vicky Jubran

Funding: In-kind support from the Order of Nurses in Lebanon

Status: Writing manuscripts.

Principal Investigator: Nuhad Dumit
Exploring Continuing Education Learning Needs of Nurse Managers in Lebanon

The overall aim is to assess the continuing education needs of nurse managers in Lebanon

Co-investigator: Souha Fares

Funding: URB

Status: Data analysis in progress.

Principal Investigator: Nuhad Dumit

Perspectives of Registered Nurses on Refugee Healthcare in Lebanon and Jordan: A Multi-site Cross-sectional Study (Profile)

The overall aim of this research project is to explore the perspectives of Lebanese and Jordanian nurses

on the effect of the influx in healthcare demands due to the protracted Syrian refugee crisis on the health of nurses working in hospitals and primary healthcare centers in Lebanon and Jordan and to examine how this crisis is impacting the quality of their services.

Co-investigators: Gladys Honein, Ibtissam Al Zaru, Muntaha Gharaibeh, Nancy R. Reynolds, Patricia M. Davidson, Suzanne R. Dhaini

Funding: Global Health Institute

Status: Qualitative data collection completed; manuscript in press to the Journal of Nursing Scholarship; quantitative data collection commenced in March 2019. Quantitative data collection in process.

Principal Investigator: Souha Fares

Abnormal Blood Pressure Complexity and Fluctuation: An Indicator of Vascular Disease Independent of Blood Pressure

The research proposal is focused on the use of non-conventional blood pressure variability (BPV) metrics (complexity measures and detrended fluctuation analysis exponents) to examine the potential role of this novel cardiovascular risk factor in the adult Lebanese population. Our primary objective is to determine the effect of weight loss through bariatric surgery on blood pressure dynamics in obese and morbidly obese normotensives (No-HTN), pre-hypertensive (pre-HTN), and hypertensive patients (HTN). We also aim to show that beat-to-beat BP complexity and fluctuation metrics will provide superior discrimination between No-HTN, pre-HTN, and HTN subjects, and will differ for demographic sub-cohorts. Another objective is to quantify the impact of BPV on the normal and shear stresses at the walls of the blood vessels.

Co-investigators: Kamal Badr, Bassem Safadi, Issam Lakkis

Funding: MPP

Status: Preparing for data collection.

Principal Investigator: Gladys Honein

Informal Provision of Health Services for Syrian Refugees in Lebanon

This project aims to conduct a mapping of the informal community-led health initiatives within the Syrian refugee population in Lebanon, and to understand how they are coping with the humanitarian assistance gap to cover their needs.

Co-investigators: Fouad Fouad, Lamis Jomaa, Mona Osman, Nasser Yassin, Shadi Saleh

Funding: CRS

Status: Manuscript preparation

Principal Investigator: Gladys Honein

Exploring the Benefits and Drawbacks of a New Approach for Managing Conflict of Interest in Guideline Development

The Canadian guideline for use of opioids in chronic non-cancer pain used an innovative approach for the management of financial and intellectual conflicts of interest, which was to have a team of unconflicted clinician-methodologists serving on the voting guideline panel, and to have a team of content experts, including individuals with financial and/or intellectual conflicts of interest, to guide the panelists and provide content expertise. This study aims to explore the benefits and drawbacks of this approach, and whether it could serve as a potential model for managing important aspects of conflict of interest in future guidelines.

Co-investigators: Elie Akl, Samantha Craigie, Jason Busse, Justin Ho, Gordon Guyatt

Funding: None

Status: Manuscript preparation.

Principal Investigator: Gladys Honein

Towards a Family Practice-Based Primary Care in Eastern Mediterranean Region: Roles and Functions of Nursing and Midwifery Workforce

In this study, our aim is to gather evidence based on actual practices to evaluate and scale up the primary care workforce in support of implementing family practice in the EMRO region. In this report, the main focus is describing nurses'

and midwives' roles as part of an inter-disciplinary team and the factors that influence these roles.

Co-investigators: T. Avedissian, M. Arevian, R. Hoteit, E. Dyer

Funding: World Health Organization, Eastern Mediterranean Office

Status: Report submitted; two manuscripts are in preparation.

Principal Investigator: Gladys Honein

User Acceptance of Electronic Patient Portal (EPP) for Self-management of Diabetes and Chronic High Blood Pressure at the Family Practice Clinic of the American University of Beirut, Lebanon

The aim of this study is to explore the demographic characteristics, the perceived ease and usefulness, and the subjective and social norms of potential users of the Electronic Patient Portal at the American University of Beirut Medical Center-Family Practice Clinic.

Co-investigator: Joumana Antoun

Funding: MPP

Status: Data analysis and manuscript in preparation.

Principal Investigator: Gladys Honein

Towards an Organized Colorectal Cancer Screening Program: An Action-oriented Research

This project is considered a pilot study to be used as a tool to guide decision-makers adopt evidence-based approaches at a national level

Co-investigators: Tamar Kabakian, Marco Badrus, Hana Nimer, Caren Daou, Nathalie Awada, Layla Al Hajj, Rasha Ghassani, Malak Tabaja

Funding: Global Compact Network Lebanon

Status: Waiting for IRB approval.

Principal Investigator: Gladys Honein

Community Health Assessment of Needs and Continuous Empowerment (CHANCE) – An experience-based co-design approach

To assess the learning needs of community-based nurses and to develop an intervention training program to address the top priority learning need.

Co-investigators: Nuhad Dumit, Nathalie Richa, Mary Arevian, Tamar Avedissian, Bahia Abdallah

Funding: URB

Status: Data collection completed for phase 1; data analysis in progress; awaiting IRB approval for phase 2.

Principal Investigator: Gladys Honein

Patients' Perceptions of Nurses and Physicians' Listening Behaviors, Education, and Empathy

The purpose of this study is to understand the ways in which medical/ surgical patients during their hospital stay at AUBMC recognize, identify, and understand the ways in which bedside nurses' and physicians' behavior conveyed aspects of communication (listening versus the absence of listening, empathy projected, interpersonal skills, and education provider by nurses and physicians). The objective of this study is to assess patients' perception regarding communication by the physician and nurse and how this affects patient experience and satisfaction.

Co-investigators: Ahmad Diab, Lama Al Jurdi

Funding: None

Status: Data collection.

Principal Investigator: Lamis Joumaa

Do Unregistered and Registered Syrian Refugees Adopt Different Informal Adaptive Mechanisms for Resilient Livelihoods? A Case Study from the Bekaa Valley Region in Lebanon

We aim to explore whether the categorization of Syrian refugees based on their registration status in Lebanon can affect their vulnerability and how it can

contribute to their adoption of informal mechanisms to secure their livelihoods. We aim to explore the challenges and experiences from the perspective of Syrian refugees and local key informants (such as NGOs operating in the region).

Co-investigators: Gladys Honein, Nour El Amaout, Shadi Saleh

Funding: Global Health Institute

Status: Data collection.

Principal Investigator: May Khoury

Palliative Care: Educational Intervention for Nurses in Lebanon: An Attempt

The purpose of this study is to assess the effectiveness of palliative care continuing educational intervention for registered nurses at the American University of Beirut Medical Center and to recommend future educational programs.

Co-investigators: Mary Arevian, Suha Fares, Ghina El Khatib

Funding: None

Status: Data analysis in progress.

Principal Investigator: Samia Khoury

Microglial Activation and Neural Stem Cells Cross Talk Post Traumatic Brain Injury

Microglia are macrophage cells in the Central Nervous System (CNS), at the front line of CNS immunological defense. They play an important role in Mild Traumatic Brain Injury (mTBI) which may be beneficial or detrimental depending on their state of activation. This project aims to:

Evaluate spatio-temporal activation of microglia cells and the role of microglial activation at 2, 7, and 35 days post-TBI, in rodents.

Characterize the behavioral deficits post-TBI and correlate outcomes with neural injury and immunological indices.

Co-investigators: Hala Darwish, Firas Kobeissy

Funding: Office of Naval Research, US Department of Defense (DOD)

Status: Ongoing.

Principal Investigator: Salwa Kobaissi

Evaluation and Challenges of a Smoking Cessation Program (SCP): The Experience of a Referral Center in the Eastern Mediterranean Region

The aim of this qualitative study is to evaluate the obstacles and facilitators faced by practitioners in the delivery of service.

Co-investigators: Gladys Honein, Nadim Kanj, Maya Romani

Funding: AUBMC

Status: Manuscript in preparation.

Principal Investigator: Dr. Tamara Lotfi

Cross-sectoral Evidence Synthesis and Knowledge Translation in 37 Centers from 24 Low and Middle Income Countries: a Needs Assessment Study

To assess the needs of GESI Network members in order to tailor capacity strengthening activities.

Co-investigators: Gladys Honein, Hussein Ismail, Cynthia Rizkallah, Fadi El Jardali, Simon Lewin, Peter Tugwell, Elie Akl

Funding: None

Status: Manuscript in preparation.

Principal Investigator: Angela Massouh

Determinants of Self-care in a Sample of Lebanese Patients with Heart Failure

The primary purpose of this study is to describe self-care behaviors and their determinants in a sample of Lebanese patients with heart failure and subsequently make recommendations for interventions to promote self-care among this vulnerable patient population. The specific aim of this study is to describe the relationships among clinical and sociodemographic characteristics, functional ability, and psychological status and self-care in a sample of Lebanese patients with heart failure.

Co-investigators: Huda Abu-Saad Huijjer, Paula Meek

Funding: URB

Status: Finalized, writing manuscripts.

Principal Investigator: Angela Massouh

Dyad Engagement in Heart Failure Self-Care

The primary aim of this study is to identify patient and dyadic determinants of self-care in heart failure care dyads while controlling for dyadic interdependence.

Secondary aims of this study are: (1) to typify distinct patterns of heart failure patient-caregiver dyads engagement in self-care and link these patterns to heart failure disease outcomes and (2) to establish a neurocognitive profile of the heart failure patient and determine whether an association exists between the severity of heart failure and cognitive abilities as well as cognitive abilities and self-care.

Co-investigators: Huda Abu-Saad Huijer, Souha Fares, Hala Darwish, Hadi Skouri, Paula Meek

Funding: URB

Status: In process.

Principal Investigator: Nadine Moacdieh

Perceptions of Music and Noise in AUBMC Operating Rooms

The goal of this research is to analyze the perceived effects of noise and music in the OR on the performance and attention of medical personnel.

Co-investigators: Ramzi Alame, Saif Al-Qaisi, Zavi Lakissian, Rana Sharara, Lina Younan, George Zaytoun.

Funding: None

Status: Data collection.

Principal Investigator: Samar Noureddine

Validation of an Arabic Version of the Minnesota Living with Heart Failure Questionnaire

The aim of this study is to test the psychometric properties of the Minnesota Living with Heart Failure Questionnaire used to measure quality of life in a sample of 210 outpatients diagnosed with heart failure recruited from the cardiology clinics and echocardiography lab at AUBMC. Patients will be interviewed using the questionnaire and the PHQ-9 for depression.

Co-investigators: Hussain Isma'eel, Hani Tamim, Mariam Zahweh, Hadi Skuri

Funding: None

Status: Data collection in progress.

Principal Investigator: Samar Noureddine

Resuscitation in the Intensive Care Unit: A Survey of Physicians in Lebanon

The aim of this study is to explore the practices, attitudes, and challenges experienced by intensive care physicians related to in-hospital resuscitation. Lime Survey methodology was used to administer the survey online to 196 members of the Lebanese Society of Critical Care Medicine and 254 members of the Lebanese Society of Cardiology. Results will inform development of a national policy on cardiopulmonary association.

Co-investigators: Ahmad Husari, Mira Obeid, Hussain Isma'eel

Funding: In-kind support by the Vascular Medicine Program, AUBMC

Status: Data analysis.

Principal Investigator: Samar Noureddine

Survey of the Knowledge, Attitude, and Practices Related to Out of Hospital Resuscitation Among Nurses in Lebanon

The aim of this study is to examine the knowledge, attitudes, and practice of nurses in Lebanon related to out of hospital cardiopulmonary resuscitation. A second aim is to identify factors associated with the willingness of nurses to attempt resuscitation outside the hospital setting. The study uses a descriptive quantitative design. A total of 770 nurses will be recruited, including 556 nurses from a sample of 30 hospitals randomly selected from the 5 governorates, and 204 nurses working in all the primary health care centers in the country. A self-administered questionnaire developed for this study and validated by experts in resuscitation will be mailed to the nurses. The items address training received by nurses in resuscitation and their related knowledge, experience, and attitudes regarding out of hospital cardiac arrest resuscitation, and the perceived importance of factors that may influence the nurse's decision to attempt resuscitation outside the hospital setting, in addition to demographic questions.

Co-investigators: Tamar Avedissian, Nina Khatib, Joanna Irani

Funding: Order of Nurses in Lebanon

Status: Data analysis.

Principal Investigator: Makram Obeid

Characterization of Post-traumatic Seizures and Cognition and Emotional Behavioral Disturbances in a Clinically Relevant Model of Closed Head Injury in Adolescent Rats

To investigate the effects of a closed-head injury on the development of long-term post-traumatic seizures (2 weeks and up to 2 months post-injury) and on the development of long-term cognitive and emotional behavioral disturbances

Co-investigator: Hala Darwish

Funding: MPP

Status: Ongoing.

Principal Investigator: Dr. Yasser Shuaib

Perceived Factors Influencing Participation in Fecal Immunochemical Screening Test for Colorectal Cancer among the Lebanese Population

To examine the perceived factors influencing participation in FIT.

Co-investigators: Gladys Honein, Tarek Nammour, Hana Nimer

Funding: None

Status: Data collection.

Principal Investigator: Kathy Wood

Symptom Measurement in Patients with Arrhythmias

The aim of this prospective cross-sectional survey is to evaluate the number and incidence of clinical symptoms and depression, as well as the impact of symptoms on patients living with a variety of arrhythmias. Gender differences in symptom perceptions was also examined in a sample of 100 patients with arrhythmias recruited from the cardiology clinic at AUBMC.

Co-investigators: Marwan Refaat, Samar Nouredine, Mostafa Hotait

Funding: Duke University

Status: Manuscript in preparation.

Principal Investigator: Ahmad Al Yazbi

Modulation of Metabolic Stress-induced Neuro-inflammation by Oral Anti-diabetic Drugs: A Proposed Role for Activation of Autophagy

Metabolic syndrome (MetS) remains a public health challenge with significant increase in diabetes and cardiovascular disease risk. A less studied consequence of MetS is the ensuing central nervous system (CNS) inflammation. Recent evidence suggests an association between neuro-inflammation in MetS with cognitive impairment. With a high incidence of diabetes in Lebanon, as estimated by the International Diabetes Federation, a significant proportion of the population would be at risk of developing detrimental cognitive consequences of metabolic stress. Thus, studying the mechanistic link leading to neurobehavioral consequences in metabolic disorders becomes of great local public health value. Additionally, the recent introduction of new anti-diabetic agents with presumed pleiotropic effects on the associated inflammatory processes sets the stage for further investigation of the potential CNS protective effect of these drugs in the context of MetS.

Our intent in this proposal is to use a newly developed rat model of metabolic stress to investigate behavioral changes occurring in the context of the pre-diabetes, study the underlying pathology, and examine the effect of early treatment with some of the anti-hyperglycemic drugs with presumed benefit. Our goal is to identify targets for early therapeutic interventions and uncover the mechanism for potential corrective effects of oral anti-hyperglycemic drugs.

Co-investigators: Hala Darwish, Firas Kobeissy

Funding: CNRS

Status: Pending funding from CNRS.

B. SCHOLARLY AND OTHER PUBLICATIONS 2018

1. Abu-Saad Huijer H; Deek H; Nouredine S. (2018). A mapping of nursing and midwifery research in the Eastern Mediterranean Region, 2006–2016. *Eastern Mediterranean Health Journal*, 24(7):640–650. <https://doi.org/10.26719/2018.24.7.XX>
2. Abu-Saad Huijer H. Nursing was My Passport. Reflections on Nursing Leadership RNL. Sigma Theta Tau Honor Society. 2-11-2018
3. Abu-Saad Huijer H, Fares S, Bejjani R, Dhaini S, Nouredine S, Ghusn H. (2018). Symptom Prevalence and Management in Older Adult Patients in Lebanon. **Palliative and Supportive Care**. 1-8. DOI: 10.1017/S1478951518000676
4. Alayan N, Eller L, Bates M, Carmody D. (2018). Current evidence on Heart Rate Variability Biofeedback as a complementary anti-craving intervention. **Journal of Alternative and Complementary Medicine**. DOI: 10.1089/acm.2018.0019
5. Ayoub JJ, Abiad M, Forman MR, Honein-AbouHaidar G, Naja F. (2018). The Interaction of Personal, Contextual, and Study Characteristics and their Effect on Recruitment and Participation of Pregnant Women in Research: A Qualitative Study in Lebanon. **BMC Medical Research Methodology**, vol.18, no.1, pp-155
6. Avedissian T, Honein-AbouHaidar G, Dumit N, Richa N. (2018). Anaphylaxis Management: A Survey of School and Day Care Nurses in Lebanon. *Bmj Paediatrics Open*, 2018 Aug 20;2(1):e000260. doi: 10.1136/bmjpo-2018-000260
7. Clinton M, Younan L, & Fares S. (2018). Multidimensional analysis of the Arabic version of the Actual Scope of Nursing Practice Scale. **Journal of Nursing Measurement**, 26(3), 435-452. DOI: 10.1891/1061-3749.26.3.435
8. Clinton M, Ezzeddine S, Doumit M, & Rizk U & Madi M. (2018). Loving nursing and accepting responsibility: Strategies for transitioning to practice in Lebanon. **SAGE Open**, 8(2), <https://doi.org/10.1177/2158244018820376>
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10. Dakessian Sailian S, Abu-Saad Huijer H, Dhaini S R, Adra M. Palliative Care Assessment Tools for Older Adults: A Review. **LMJ**. In Press
11. Darwish H, Zeinoun P, Farran N, Fares S. (2018). Rey Figure Test with recognition trial: normative data for Lebanese adults. **Clinical Neuropsychology**. 12:1-12. DOI: 10.1080/13854046.2018.1480802
12. Darwish H, Farran N, Assaad, S, Chaaya, M (2018). Cognitive Reserve Factors in a Developing Country: Education and Occupational Attainment Lower the Risk of Dementia in a Sample of Lebanese Older Adults. **Frontiers of Aging Neuroscience**, Sept 10: 277
13. Darwish H, Zeinoun P, Farran N, Fares S. (2018). Rey Figure Test With Recognition Trial: Normative Data for Lebanese Adults. **The Clinical Neuropsychologist**, Jun 12:1-12
14. Dekmak A, Mantash S, Shaito A, Toutonji A, Ramadan N, Ghazale H, Kassem N, Darwish H, and Zibara, K. (2018). Stem cells and combination therapy for the treatment of traumatic brain injury. **Behavioural Brain Research**, 340, 49-62
15. Dhaini SR, Ausserhofer D, El Bajjani M, Dumit N, Huijer Abu-Saad H, Simon M (2018). A longitudinal study on implicit rationing of nursing care among Lebanese patients – study protocol. **Journal of Advanced Nursing**. In Press
16. Dhaini SR, Denhaerynck K, Bachnick S, Schwendimann R, Schubert M, De Geest S, Simon M. (2018). Work schedule flexibility is associated with emotional exhaustion among registered nurses in Swiss hospitals: A cross-sectional study. *International journal of nursing studies*. 2018 Jun;82:99-105. doi: 10.1016/j.ijnurstu.2018.03.019
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18. El Sabbagh L, Al-Atwi T, AlDossary D, Alshami A, Hill J C, Abu-Ras A, Abu-Saad Huijer H, Brooks D. Cross-Cultural Adaptation and Validation of the STarT Back Tool for Arabic Speaking Adults with Low Back Pain in Saudi Arabia. *Journal of Orthopaedic Science*. In Press

19. Fadlallah R, El-Jardali F, Hemadi N, Morsi RZ, Abou Samra CA, Ahmad A, Arif K, Hishi L, Honein-AbouHaidar G, Akl EA. (2018). Barriers and Facilitators to Implementation, Uptake and Sustainability of Community-Based Health Insurance Schemes in Low- and Middle-Income Countries: A Systematic Review. **International Journal For Equity In Health**, vol.17, no.1, pp-13
20. Farhoud L, Fares S, Hamady C, Maalouf F. (2018). Promoting psychosocial and mental health care through community-based educational workshops for teachers and parents: A follow-up to mental health assessments in civilians exposed to traumatic war events in the South of Lebanon. **Mental Health and Family Medicine**, 13: 772-781
21. Farhood L, Fares S, and Hamady C. (2018). PTSD and gender: could gender differences in war trauma types, symptom clusters and risk factors predict gender differences in PTSD prevalence? Archives of women's mental health. DOI: 10.1007/s00737-018-0874-6
22. Fares S, Clinton M, & Younan L. (2018). The first Arabic version of the actual scope of nursing practice scale. Psychometric evaluation. *Journal of Nursing Management*, 26(8), 1059-1065. DOI: 10.1111/jonm.12635
23. Fares, S, Dumit, N Y, Dhaini S. (2018). Development and Psychometric Assessment of a Continuing Education Learning Needs Survey of Nurses in Lebanon, presented at the "European Federation of Educators in Nursing Science" (FINE) 2018 conference titled "Nursing Education and Practice from Vision to Action in a Changing World," Malta, February 2018; published in conference proceedings
24. Gharibian M, Hopton J and Keady J. (2018). Generating a model of quality of life for older nursing home residents in the Lebanon: a grounded theory study. In Neilson, D.L. (Editor) 'Elderly Care; options, challenges and trends'. Nova Science Publishers. ISBN: 978-1-53613-463-6 (ebook). Chapter 1, pp, 1 -25
25. Haidar, M H, Nouredine S, Isma'eel H, El Sayed M. (2018). Resuscitation of Out of Hospital Cardiac Arrest Victims in Lebanon: The Experience of Paramedic Personnel. Accepted by **Journal of Emergencies Trauma and Shock**, 11, 183-8. DOI: 10.4103/JETS.JETS_101_17

26. Kantar L, & Sailian S. (2018). The Effect of Instruction on Learning: Case-Based versus Lecture-Based. **Journal of Teaching and Learning in Nursing**, 13(4), 207-211
27. Keller F, Dhaini S, Briel M, Henrichs S, Höchsmann C, Kalbermatten D, Künzli N, Mollet A, Puelacher C, Schmidt-Trucksäss A, von Niederhäusern B, De Geest S. (2018). How to Conceptualize and Implement a PhD Program in Health Sciences- The Basel Approach. *Journal of medical education and curricular development*. 2018 Apr 24;5:2382120518771364. doi: 10.1177/2382120518771364
28. Madi D. & Badr L. Translation and Cultural Validation of the Adolescent Pediatric Pain Tool (APPT) in Lebanese Children with Cancer. Accepted for publication April 2019 in **Pain Management Nursing Journal**
29. Madi M, Clinton M, Doumit M, Ezzeddine S & Rizk U. (2018). Transitioning to nursing practice in Lebanon: Challenges in professional, occupational and cultural identity formation. **Journal of Nursing Education and Practice**, 8(6), 38-47
30. Massouh A, Abu-Saad Huijjer H, Meek P, Skouri H. Determinants of Self-Care in Patients with Heart Failure: Observations from a Developing Country in the Middle East. Under Review at the **Journal of Transcultural Nursing**
31. Minhem M, Sarkis S, Fares S, Safadi B, Alami R. (2018). Comparison of Early Morbidity and Mortality between Sleeve Gastrectomy and Gastric Bypass in Patients with Liver Disease. Analysis of American College of Surgeons National Surgical Quality Improvement Program. **Obesity Surgery**. 2018. DOI: 10.1007/s11695-018-3304-y
32. Nouredine S, & Massouh A. (2018). Factors Associated with Continued Smoking in Acute Coronary Syndrome Patients. **Journal of Cardiovascular Nursing**. doi:10.1097/JCN.0000000000000514
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34. Schwendimann R, Blatter C, Dhaini S, Simon M, Ausserhofer D. (2018). The occurrence, types, consequences and preventability of in-hospital adverse events - a scoping review. *BMC health services research*. 2018 Jul 4;18(1):521. doi: 10.1186/s12913-018-3335-z

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36. Talih F, Ajaltouni J & Farhood L. (2018). Depression and Burnout Among Nurses in a Lebanese Academic Medical Center, **Lebanese Medical Journal**, vol.66(2)

Research/Continuing Education Seminars

The HSON Research Committee (RC) organized a series of research seminars. The aim of these seminars is to disseminate the research findings of HSON faculty and alumni to the AUB community and to get acquainted with other AUB faculty members' research work. The following were invited to share their research findings:

- Dr. Ghassam Hamade, January 24, 2018. Title: Overview of Reporting and Clinical Research in EPIC.
- Dr. Angela Massouh, April 25, 2018. Title: Determinants of Self-care in a Sample of Lebanese patients with heart failure.
- Dr. Fadia Homeidan, November 28, 2018. Title: How OGC can help PIs identify funding and what else OGC offers in terms of services.
- Dr. Issam Lakkis, December 12, 2018. Title: Beirut Pollution Map.

C. EDITORIAL POSITIONS

Huda Abu-Saad Huijjer

1994 Ongoing Associate editor and later member of Editorial Board, International Journal of Nursing Studies

1999 Ongoing Editorial Board, Journal of Transcultural Nursing

2005 Ongoing Editorial Board, Journal of Nursing Scholarship

2005 Ongoing Reviewer, European Journal of Pain

2006 Ongoing Editorial Board, Japanese Journal of Nursing Science

2008 Ongoing Reviewer, Lebanese Medical Journal

2009 Ongoing Reviewer, Pediatric Pain Newsletter, IASP

2011 Ongoing Reviewer, Journal of Palliative Medicine

2011 Ongoing Editorial Board, IASP Insight Newsletter

2011 Ongoing Editorial Board, Nursing Children and Young People

2012 Ongoing Reviewer, Health Promotion International

2012 Ongoing Reviewer, Europe's Journal of Psychology

2012 Ongoing Reviewer, Journal of Pain and Symptom Management

2013 Ongoing Editorial Board, Annals of Palliative Medicine

2014 Ongoing Editorial Board, Alexandria Scientific Nursing Journal (ASNJ)

Nour Alayan

2015 Ongoing Reviewer, Journal of Addictions Nursing

2015 Ongoing Reviewer, Japan Journal of Nursing Science

Mary Arevian

2006 Ongoing Reviewer, Journal of Interprofessional Care

2006 Ongoing Reviewer, Journal of Transcultural Nursing

2008 Ongoing Reviewer, Journal of Women's Health

2012 Ongoing Reviewer, The Japanese Journal of Nursing Sciences

2012 Ongoing Reviewer, Journal of Health Promotion International

Michael Clinton

2010 Ongoing Editorial Board, Journal of Mental Health

2010 Ongoing Editorial Board, Journal of Ethics in Mental Health

2010 Ongoing Editorial Board, International Journal of Evidence-Based Healthcare

2010 Ongoing Review Panel, Contemporary Nurse
2010 Ongoing Review Panel, Journal of Nursing Measurement
2010 Ongoing Reviewer, Journal of Adolescent Health
2018 Ongoing Reviewer, International Journal of Nursing Studies.

Hala Darwish

2011 Ongoing Editor, The AUBMC Abu Haidar Neuroscience Institute Newsletter
Ongoing Reviewer, Electrophoresis (Peer Reviewed Journal)
2012 Ongoing Reviewer, Journal of Neurotrauma
2012 Ongoing Reviewer, Journal of Clinical Immunology
2013 Ongoing Editorial Board, Frontiers of Neurotrauma
2015 Ongoing Reviewer Plos One
2017 Ongoing Journal of Nursing Scholarship

Nuhad Dumit

2008 Ongoing Reviewer, Journal of Nursing Management
2009 Ongoing Reviewer, Journal of Interprofessional Care
2013 Ongoing Reviewer, BMC Nursing Journal by BioMed Central
2014 Ongoing Reviewer, Journal of Clinical Nursing Research
2014 Ongoing Editorial Board, Nursing Management, published by the Royal College of Nursing
2018 Ongoing Reviewer, European Journal of Cardiovascular Nursing

Laila Farhood

2006 Ongoing Editorial Board and Reviewer, Journal of Transcultural Nursing

Gladys Honein

2014 Ongoing Reviewer, British Medical Journal open access
2015 Ongoing Reviewer, International Journal of Health Policy and Management
2015 Ongoing Reviewer, Women's Health Issues
2015 Ongoing Reviewer, PLOS One
2015 Ongoing Reviewer, European Journal of Cancer Care
2015 Ongoing Reviewer, Clinico-Economics and Outcomes Research
2017 Ongoing Reviewer, Cancer Causes & Control
2018 Ongoing Reviewer, Journal of Nursing Scholarship

Lina Kantar

2013 Ongoing Center for Teaching and Learning (CTL), AUB
2014 Ongoing Nurse Education Today, Elsevier
2014 Ongoing Nurse Education in Practice, Elsevier

Samar Nouredine

2016 Ongoing Reviewer, BMC Health Services Research
2015 Ongoing Reviewer, Lebanese Nursing Journal
2014 Ongoing Reviewer, Sultan Qaboos University Medical Journal
2013 Ongoing Editorial Board, European Journal of Cardiovascular Nursing
2012 Ongoing Reviewer, Heart & Lung: The Journal of Acute and Critical Care
2011 Ongoing Reviewer, Journal of Cardiovascular Nursing
2011 Ongoing Reviewer, Journal of Clinical Nursing
2011 Ongoing Reviewer, Pan African Medical Journal
2009 Ongoing Reviewer, International Journal of Nursing Studies

2009 Ongoing	Reviewer, Journal of Nursing Scholarship
2009 Ongoing	Reviewer, European Journal of Cardiovascular Nursing
2009 Ongoing	International Editorial Board, Metas de Enfermiera' Nursing Journal
2008 Ongoing	Reviewer, American Journal of Critical Care
2008 Ongoing	Editorial Board, Journal of Transcultural Nursing

Lina Younan

2018	Abstract reviewer for the ICN Congress in Singapore, June 27-July 1, 2018 (reviewed 78 abstracts Oct/Nov 2018).
2018	Reviewer, Journal of Nursing Management

D. SCIENTIFIC CONTRIBUTIONS AND RESEARCH GRANT REVIEWS

Huda Abu-Saad Huijjer

2014-18	PhD supervision of Ms. Angela Massouh, University of Colorado, USA
2014-18	PhD supervision of Farah Chamaa, Department of Anatomy Cell Biology and Physiological Sciences, Faculty of Medicine, AUB
2016 Ongoing	Faculty mentoring of Dr. Rihab Nasr, Department of Anatomy, Cell Biology and Physiological Sciences, Faculty of Medicine, AUB
2018 Ongoing	Faculty mentoring of Dr. Wassim Abi-Kheir, Department of Anatomy, Cell Biology and Physiological Sciences, Faculty of Medicine, AUB

Hala Darwish

2011 Ongoing	Reviewer of Medical Practice Plan, Faculty of Medicine Research Committee, AUB
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Nuhad Dumit

2009 Ongoing	Reviewer, Western Institute of Nursing conference Abstracts
2011 Ongoing	Reviewer, "Effective Teaching and Learning in Higher Education," organized by the Center for Teaching and Learning (CTL) and IT Academic Core Processes and Systems (IT ACPS), AUB
2012 Ongoing	Reviewer, ICN Congress/conference Abstracts
2016 Ongoing	Appraiser, McMaster Online Rating of Evidence (MORE), McMaster University

Laila Farhood

2010 Ongoing	Reviewer of Medical Practice Plan and University Research Board grants, AUB (upon request)
2013-14	Ongoing MPP/URB funding for the Intervention study "Promoting psychosocial and mental healthcare through community-based educational workshops for teachers and parents: A follow-up to mental health assessment in civilians exposed to traumatic war events in the South of Lebanon"

Gladys Honein

2016 Ongoing	Abstract reviewer, North American Primary Care Group, November 9-12, 2016
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Lina Kantar

2013 Ongoing Center for Teaching and Learning (CTL) grant reviews, AUB

Samar Nouredine

2012 Ongoing Abstract reviewer, Annual Spring Meeting of the Cardiovascular Council of Nurses and Allied Professionals

2011 Ongoing Reviewer for Sultan Qaboos University, Research and Innovations Department

2010 Ongoing Reviewer of Medical Practice Plan and University Research Board grants, Faculty of Medicine Research Committee, AUB

E. SCHOLARLY LECTURES

Huda Abu-Saad Huijer

- Abu-Saad Huijer, H. PhD in Nursing Science; international Collaboration. University of Michigan, March 28, 2018.
- Abu-Saad Huijer, H. Alleviating the Access Abyss in Palliative Care and Pain Relief: An Imperative of Universal Health Coverage,” April 5-6, 2018. Panelist for the session: “The Essential Package: DPC3, UHC, and Beyond.”
- Abu-Saad Huijer, H. “Alleviating the Access Abyss in Palliative Care and Pain Relief: An Imperative of Universal Health Coverage,” April 5-6, 2018. Workshop on Implementation Strategies and Future Steps. University of Miami.
- Abu-Saad Huijer, H. Nursing Education and Research; Hariri School of Nursing. Koc University, Istanbul, Turkey, June 27, 2018.
- Abu-Saad Huijer, H. Pain & Symptom Management in Older Adults in Lebanon, September 12-17, 2018. 16th World Congress on Pain, International Association for the Study of Pain, Boston, USA.

- Abu-Saad Huijer, H. Achieving Quality and Accreditation in Nursing Programs and Workplaces. November 16, 2018. The Importance of Quality and Competencies in the Nursing Profession. The Faculty of Nursing at Saint-Joseph University of Beirut and the Scientific Society of Arab Nursing Faculties. USJ, Beirut.
- Abu-Saad Huijer, H. Nursing Developments Transforming Health Care. ‘Nursing Voice; Partners in Health Care Transformation’. November 22-24, 2018, Al-Khobar, KSA.

Marina Adra

- Adra, M. Exploring Resident-Staff Relationships in Nursing Homes in the Lebanon. Staff perspectives: Presented at ICN Regional Conference, Abu Dhabi, UAE, September 2018.
- Adra, M. Exploring Resident-staff Relationships in Nursing Homes in Lebanon. Residents’ Perspectives. Presented at the 2nd International Nursing Conference. Nurses Leading the Vision for Global Health, Beirut, Lebanon, May 2018.

Nour Alayan

- Alayan, N. Motivational Interviewing in Clinical Practice: A Tool for Nurses, December 2018, Lebanese Society of Cardiology 13th National and International Congress, Lebanon.
- Alayan, N. Heart Rate Variability Biofeedback Reduces Substance Craving in Recovering College Students, May 2018, Order of Nurses in Lebanon 2nd International Conference, Lebanon.
- Alayan, N. Substance Use in the Workplace: Screening, Brief Intervention, and Referral to Treatment, April 2018, 49th MEMA Mental Health Across the Lifespan, Lebanon.

Hala Darwish

- Darwish, H. Cognitive Sequelae of Traumatic Brain Injury. July 26-29, 2018, invited oral presentation. Traumatic Brain Injury (TBI) Translational Approach, Novel Directions & Challenges Symposium proposal 14th Annual Meeting of the Japan Neuroscience Society (JNS) – Japan.
- Darwish, H. Exploring the Role of Cognitive Reserve in Dementia Among Lebanese Older Adults. April 19-22, 2018. Oral presentation. Middle East Medical Assembly (MEMA), Beirut, Lebanon.

- Darwish H. The Impact of Cognitive Rehabilitation on the Brain's Functioning. Invited. Psychological Assessment Center. May 9, 2018, AUB.
- Ayoubi, N., Baalbaki, M., Darwish, H., Haddad, R., Yamout, B., Khoury, D. (poster presentation) Correlation Between Retinal Optical Coherence Tomography Measures and Cognitive/Physical Disability in Patients with Early Multiple Sclerosis: a prospective study. ECTRIMS Conference. October 10-12, 2018, Berlin, Germany.
- Darwish, H., Saba, E., Karout, M., Nasrallah, L., Kurdi, M., Ismail, H., Kobeissy, F and Khoury, S. Microglia Activation, Recognition and Spatial Learning and Memory Post Traumatic Brain Injury. Neurotrauma Meeting, August 11-13, 2018, Toronto, Canada.

Nuhad Dumit

- Dumit N. Invited to speak on “Nurses leading healthcare Transformation: from Practice to Policy” at the International Nursing Conference organized by King Fahd Specialist Hospital, Dammam, under the title of “Nursing Voice: Partners in Healthcare Transformation,” November 22-24, 2018.
- Dumit N. Invited to speak in a panel discussion about “Closing the Gap between What Market Needs and What Education Provides” at the 8th edition of Health Insight 2018 titled “Value in Healthcare” April 20, 2018.
- Dumit N. Invited to speak on “Ethical Issues in Emergency Care” at the Byblos Health, “First Emergency Medicine Conference of ND Maritime Hospital”, April 20, 2018.
- Dumit N. Invited by the Jordanian Nursing Council to present my experience in policy making at a national level at the “Nursing Now” Roundtable on “Putting Nurses at the Heart of Policy Making: A Paradigm Shift in Nursing Leadership for the 21st Century,” April 18, 2018.
- Dumit N. Invited to speak on “LGBT Health as a Right” at the LEBMASH conference on “advancing Excellence in LGBT Health in Lebanon”, March 17, 2018.
- Dumit N. Invited as a plenary keynote speaker by the “European Federation of Educators in Nursing Science” (FINE) to address the conferees in their 2018 conference titled “Nursing Education and Practice from Vision to Action in a Changing World,” Malta, February 2018.

- Dumit N. Invited to the “6th annual Beirut Breast Cancer Conference” Debate during the opening ceremony of the conference addressing challenges in breast cancer prevention, early detection and treatment from legal and service provision standpoints, and panel addressing support of cancer patients organized by AUBMC, February 8-9, 2018.

Souha Fares

- Fares S. (Invited as keynote speaker). Abnormal blood pressure complexity and fluctuation: an indicator of vascular disease. Applied Statistics Day. Beirut Arab University, Lebanon, April 24, 2018.
- Fares S. (Presenter), Nuhad Dumit and Suzanne Dhaini. Development and psychometric assessment of a continuing education learning needs survey of nurses in Lebanon. Fine Europe Conference in Malta February 21-23, 2018.

Laila Farhood

- Farhood, L. PTSD and Gender: Could Gender Differences in War Trauma Types, Symptom Clusters and Risk Factors Predict Gender Differences in PTSD Prevalence? Presented at 18th World Congress of Psychiatry WPA September 27-30, 2018, Mexico City, Mexico.
- Farhood, L. (Attended) International Society for Traumatic Stress Studies (ISTSS) 34th Annual Meeting: promoting Societal Change: Integrating Traumatic Stress Research, Practice and Policy for Vulnerable Populations, November 7-10, 2018, Washington DC.
- MEMA, I served as member of the organizing and scientific committees and chair of public lectures committee. I presented: “How to Take Care of my Emotional Well-Being”: Depression, Anxiety and Stress Management April 19-22, 2018
- Presented at the trauma conference Lebanese University October 19-20, 2018, “Mental Health and psychosocial care for citizens affected by war.”

Gladys Honein

- Honein-AbouHaidar, G.N. Overturn Stories: How Europe can create good practices of migrants inclusion, Informal Provision of Health Services for Syrian Refugees in Lebanon. Conference, Ortygia Business School, Italy, May 23, 2018.

Angela Massouh

- Massouh, A. Heart Failure Guideline Update: What Nurses Should Know? Presentation at the 13th International Congress of the Lebanese Society of Cardiology and the 4th Middle East Heart Failure Meeting. Hilton, Habtour, Beirut, Lebanon, December 1, 2018.
- Massouh, A. Heart Failure Symptom Science: The Lebanese Experience. Presentation at the 13th International Congress of the Lebanese Society of Cardiology and the 4th Middle East Heart Failure Meeting. Hilton, Habtour, Beirut, Lebanon, December 1, 2018.
- Massouh, A. Role of the Heart Failure Nurse. Presentation at the Novartis Cardiometabolic Summit. Hilton, Habtour, Beirut, Lebanon, September 21, 2018.
- Massouh, A. Heart Failure Symptom Management. Presentation at the Novartis Workshop for Heart Failure Clinic Nurses. Smallville Hotel, Beirut, Lebanon, August 9, 2018.
- Massouh, A. Huijjer, H. Meek, P., & Skouri, H. Determinants of Self-Care in a Sample of Lebanese Patients with Heart Failure. Poster Presentation at the Heart Failure Association of the European Society of Cardiology Meeting, Vienna Austria, May 28, 2018.
- Massouh, A. Determinants of Self-Care in a Sample of Lebanese Patients with Heart Failure. Presentation at the 2nd International Nursing Conference at the Order of Nurses in Lebanon, Habtour Hotel, Beirut Lebanon, May 20, 2018.
- Massouh, A. Depression in Patients with Heart Failure. Presentation at the 2018 Middle East Medical Assembly at the American University of Beirut Medical Center, Lebanon, April 20, 2018.

Samar Nouredine

- Nouredine, S., Zahwe, M., Isma'eel, H., Tamim, H., Al Hajje, A., Rachidi, S., Skouri, H. Validation of the Arabic Version of the Minnesota Living with Heart Failure Questionnaire. Oral presentation at the 23rd Congress on Heart Disease of the International Academy of Cardiology, Boston, USA, July 28, 2018.

Lina Younan

- Younan, L. Prevalence and Relationship of Work-Related Musculoskeletal Injuries, Work-Related Fatigue, and Work organization among Lebanese Nurses. 2nd International Nursing Conference organized by the Order of Nurses in Lebanon at the Habtour Hotel, Sin el-fil, Beirut, Lebanon. May 11, 2018.



**V. PROFESSIONAL PRACTICE/
SERVICE**

A. PROFESSIONAL PRACTICE

Huda Abu-Saad Huijer

- Member, Harvard Global Equity Initiative-Lancet Commission on Global Access to Pain Control and Palliative Care (GAPPCP). Ongoing.
- Founding President, Chi Iota Chapter, Sigma Theta Tau International Honor Society in Nursing in Lebanon.
- Consultant, WHO EMRO on the Future of Nursing and Midwifery in the Eastern Mediterranean Region.
- Member, Advisory Committee, Center for Research, Training, and Policy in Arab Mental Health, Faculty of Medicine, AUB.
- Member, Public Advisory Board, Lebanese Society of Family Medicine.
- Vice-President, National Committee on Pain Relief and Palliative Care (Appointed by Minister of Health); Chair, Research Committee.
- Past president, Lebanese Society for the Study of Pain.
- Member, UC Davis, Advancing Pain Relief Education: Anchoring Pain Competencies around the World
- Member, Advisory Board of the Order of Nurses in Lebanon.
- Member, Association of Deans and Directors of Schools of Nursing in Lebanon.

Marina Adra

- Consultation with the Nursing Program at Mohamad Al Mana College of Health Sciences (MACHS).

Nour Alayan

- Member, Academic and Curriculum Committee, HSON, AUB.
- Member, Learning Collaborative for Adolescent SBIRT in Social Work & Nursing Education, the Non-partisan and Objective Research Organization (NORC), University of Chicago, USA.

Nuhad Dumit

- President, Order of Nurses in Lebanon.
- Member, Western Institute of Nursing.

Hala Darwish

- Continuing education program/curriculum for Lebanese neuroscience nurses. Leading a team of 5 neuroscience nurses to train 180 nurses. This is part of a capacity building, train the trainer program, project led by the Lebanese Order of Nurses, spring-summer 2018.

Laila Farhood

- Psych Mental Health track coordinator.
- Clinical Associate, Department of Psychiatry, Faculty of Medicine. Clinical activities include psychiatric assessment and psychotherapy (individual, couple, and family therapy) in in-patient and out-patient settings.

Gladys Honein

- Session Chair, Introduction to qualitative research, Global Health Institute, Seminar, 2018.
- Session Chair, Introduction to qualitative research, Fellowship Program, Lecture, 2018.
- Oral Presenter, Facilitators and barriers to participation in colorectal cancer screening, launch of the national guidelines for colorectal cancer screening, Ministry of Public Health, Conference, 2018.

Lina Kantar

- Coordinator, CNE and Offshore Projects / REP.
- Coordinator, Hybrid Nursing Education / HSON.

May Khoury

- Active member in Pain Relief and Palliative Care Education Sub-Committee of the National Committee for Pain Relief and Palliative Care established by the Ministry of Public Health.

- Coordinator and presenter: Workshop on Evidence Based Nursing in Neonatal Care at the Training and Development Center in Dubai. November 25–27, 2018.
- Active member, Pediatrics Educational Council at AUBMC.

Dina Madi

- Attended and participated (moderator of a session) in the International Congress of the Order of Nurses.
- Participated in AUB Philanthropy Week as a team leader of the nursing group at quiz night.
- Sigma Theta Tau International, Chi Iota Chapter, president until October 2018.

Angela Massouh

- Cardiology Clinical Nurse Specialist. Joint Appointment, AUBMC.
- Heart Failure Specialists of Tomorrow, European Society of Cardiology, Nucleus Committee Member.
- Sigma Theta Tau International, Chi Iota Chapter, president since November 2018.
- Cardiology Nurses Committee. Order of Nurses, Lebanon.

Samar Nouredine

- Moderated a session titled ‘Surgical Patient Management and Care’ at the 21st Congress of the Lebanese Society of General Surgery, Order of Physicians, Beirut, Lebanon. June 30, 2018.
- Moderated a session titled ‘Nursing Care in NCDs’ at the 2nd international conference of the Order of Nurses in Lebanon in Habtoor Hotel, Lebanon. May 10, 2018.
- Moderated a session titled ‘Nursing care in NCDs’ at the 2nd international conference of the Order of Nurses in Lebanon in Habtoor Hotel. Lebanon. May 11, 2018.
- Co-chair, Scientific Committee, Second International Conference of the Order of Nurses in Lebanon Nurses Leading The Vision For Global Health planned for May 9-11, 2018.

- President; Nurses’ Chapter, Worldwide Alumni Association of the American University of Beirut, since February 2015.

Lina Younan

- Coordinated the Epic training of concerned HSON instructors, faculty, and students.
- Member of a task force for developing the nursing code of ethics for Lebanon.

B. SERVICE

HSON STANDING COMMITTEES

Advisory Committee:

- Dr. Huda Abu-Saad Huijjer (Chair)
- Dr. Michael Clinton
- Dr. Laila Farhood
- Dr. Samar Nouredine
- One member to be elected from associate professor rank when bylaws are approved

Administrative Committee:

- Dr. Huda Abu-Saad Huijjer (Chair)
- Dr. Nuhad Dumit
- Dr. Laila Farhoud
- Dr. Samar Nouredine

Graduate Studies Committee:

- Dr. Michael Clinton (Chair)
- Dr. Gladys Honein (to replace Dr. Hala Darwish during fall 18-19)
- Dr. Nuhad Dumit

- Dr. Samar Nouredine (ex-officio and representative of the Board of Graduate Studies)
- Dr. Laila Farhoud (ex-officio)
- Dr. Houry Puzantian (Appointed)

Graduate Studies Departmental Assessment Committee:

- Dr. Lina Younan (Chair)
- Mrs. Mary Arevian
- Dr. Souha Fares
- Dr. Samar Nouredine (ex-officio)

Undergraduate Curriculum Committee & Undergraduate Student Academic Affairs Committee:

- Dr. Dina Madi (chair)
- Mrs. Mary Arevian
- Dr. Nour Alayan
- Dr. Lina Kantar
- Dr. Ghada Assaf (Appointed)
- Dr. Suzanne Dhaini (Appointed)
- Dr. Angela Massouh (Appointed)
- Dr. Nuhad Dumit (ex-officio)
- Dr. Hala Darwish (Senate representative)

Undergraduate Admissions and Financial Aid Committee:

- Mrs. May Khoury (Chair)
- Mrs. Danielle Damianos
- Mrs. Talin Gulgulian
- Dr. Dina Madi
- Mrs. Hera Tashjian

- Mrs. Tamar Avedissian
- Dr. Ghada Assaf (Appointed)
- Mrs. Tamar Avedissian (Appointed)
- Dr. Lina Kantar (Representative on Senate Admissions Committee)
- Mrs. Lynn Berbary (SSO)

Undergraduate Studies Departmental Assessment Committee:

- Dr. Marina Adra (Chair)
- Dr. Dina Madi
- Dr. Angela Massouh
- Dr. Nuhad Dumit (ex-officio)

Research Committee:

- Dr. Soha Fares (Chair)
- Dr. Marina Adra
- Dr. Gladys Honein
- Dr. Angela Massouh
- Dr. Samar Nouredine (representative on URB)
- Dr. Suzanne Dhaini (Appointed)
- Dr. Houry Puzantian (Appointed)
- Dr. Lina Badr (representing AUBMC)

Senate Committees:

- Senate: Dr. Huda Huijer and Dr. Nuhad Dumit
- University Admissions Committee: Dr. Lina Kantar
- Board of Graduate Studies: Dr. Samar Nouredine
- University Disciplinary Committee: Dr. Dina Madi
- Library Committee: Dr. Souha Fares
- University Publications Committee: Dr. Gladys Honein

- University Research Board: Dr. Samar Nouredine
- University Committee on Student Affairs: Dr. Marina Adra
- Academic Development Committee: Dr. Hala Darwish
- Senate Steering Committee: Dr. Nuhad Dumit

Representative on FM Research Committee: Dr. Souha Fares (appointed)

Student Affairs Committee:

- Dr. Marina Adra (Chair) and representative on Senate Student Affairs Committee
- Dr. Dina Madi, class advisor BSN II
- Mrs. May Khoury, class advisor BSN III
- Dr. Marina Adra, class advisor, BSN IV
- Dr. Lina Younan, Graduate Student Advisor
- Dr. Angela Massouh, NSS advisor assisted by Dr. Nour Alayan
- Mrs. Lynn Berbary (SSO)

HSON Search Committee:

- Dr. Huda Abu-Saad Huijer (Chair)
- Dr. Michael Clinton
- Dr. Nuhad Dumit
- Dr. Laila Farhood
- Dr. Samar Nouredine

HSON Catalogue Committee:

- Dr. Samar Nouredine; Chair of Graduate Department
- Dr. Nuhad Dumit; Chair of Undergraduate Department

HSON Newsletter Committee:

- Dr. Gladys Honein (Chair)
- Dr. Marina Adra

- Mrs. Lynn Berbary Najem
- Mrs. Talin Gulgulian
- Ms. Angela Massouh
- Ms. Nisrine Ghalayini

HSON Social Committee:

- Ms. Randa Farha (Chair)
- Mrs. Talin Gulgulian (co-chair)
- Mrs. May Khoury
- Mrs. Lynn Berbary
- Mrs. Silva Dakessian
- Mrs. Danielle Damianos
- Dr. Ghada Assaf

HSON Selection Committee for MCF scholars:

- Dr. Samar Nouredine (or a delegate)
- Ms. Nisrine Ghalayini

HSON PhD Program Steering Committee:

- Dr. Huda Abu-Saad Huijer (Chair) until September 2018
- Dr. Michael Clinton (Chair)
- Dr. Laila Farhoud
- Dr. Jason Farley (representing Johns Hopkins University School of Nursing)
- Dr. Jodi Lori (representing University of Michigan School of Nursing)
- Dr. Samar Nouredine

Other AUB Committees

Huda Abu-Saad Huijer

AUB Budget Committee, member
AUB Senate, member
AUB Strategic Planning Steering Committee, member
AUB Tenure Design Committee and Workgroup on Faculty Workload, member
AUBMC Palliative Care Committee, member
Board of Deans, ex-officio member
Expanded Advisory Committees, appointed member
REP Advisory Board, member
SHARP, member of the Executive Board
Strategic Health Initiative, member of Steering Committee

Marina Adra

AUBMC NS/HSON Joint Committee, member
Faculty United AUB, member
General Education Requirement Board, member, since 2013
University Student Affairs Committee, HSON representative, 2018-19
Steering Committee on Student Complaints, HSON representative, 2018-19

Michael Clinton

Institutional Review Board, Biomedical, alternative vice-chair and member
Institutional Review Board, Social and Behavioral Sciences, vice-chair

Nuhad Dumit

Advisory Board, Faculty of Health Sciences, Beirut Arab University, member
AUB Senate, elected member
Ad hoc Senate Committee on Department Chairs at AUB, member
Committee on the Lives and Careers of Women at AUB, member
Core Mandatory Elective and Capstone Courses Task Force, AUB Core Curriculum, member
Evidence-Based Healthcare Management Unit (EHMU), Executive Board member

Regional External Program Steering Committee, member
Task Force on Interprofessional Education, member

Gladys Honein

Equity & Title IX Working Group, member
Graduate Studies Committee, HSON representative
University Publications Committee, Senate Committee, member
Working Group 5, AUB MSCHE Accreditation, Standard V: Educational Effectiveness Assessment, member

Lina Kantar

Sigma Theta Tau International, Chi Iota Chapter, AUB, vice president

May Khoury

AUBMC NS/HSON Joint Committee, chair
AUBMC Pediatrics Educational Council, member
LEAD Career and Internship Support Committee, member
Unified Admissions Committee, member
USAID USP Steering Committee, member

Angela Massouh

HSON Dean Search Committee, member
Nurses Alumni Chapter, American University of Beirut, member
Sigma Theta Tau International, Chi Iota Chapter, president

Samar Nouredine

AUB University Research Board, member
Board of Graduate Studies of AUB, member, since September 2017
Faculty Workload policy, member, since October 2017
Governance Committee, Hariri School of Nursing Chi Iota Chapter, Sigma Theta Tau International, chair, since 2017
Steering Committee, Accreditation Task Force of AUB, member, since January 2017
Student Complaints Task Force at AUB, member, since September 2017
Vascular Medicine Program Council, AUBMC, member, since October 2017
Working Group VII, Accreditation Task Force of AUB, co-chair, since January 2017

NATIONAL AND INTERNATIONAL COMMITTEES

Huda Abu-Saad Huijer

American Academy of Nursing, international fellow
European Academy of Nursing Science (EANS), fellow and founding member
IASP Insight eNewsletter, Advisory Board member
International Association for the Study of Pain (IASP), member
Lebanese Society for the Study of Pain (LSSP), past president
National Committee on Pain Relief and Palliative Care and Chair Research Committee, vice president
Order of Nurses in Lebanon, Advisory Board member
Sigma Theta Tau International Chi Iota Chapter, AUB, founding president
Special Interest Group on Pain in Children (IASP), founding member

Marina Adra

Armenian Relief Cross, member
Center for Studies in Aging in Lebanon, member
Sigma Theta Tau International, Chi Iota Chapter, AUB, member

Nour Alayan

Lebanese Order of Nurses, member
Nurses Alumni Chapter, AUB, member
Sigma Theta Tau International, Chi Iota Chapter, Leadership Succession Committee, member
Society of Addiction Psychologists (APA Division 50), member
The International Nurses Society on Addictions (IntNSA), member

Mary Arevian

Armenian Relief Cross in Lebanon (ARCL), Beirut Branch, member
Armenian Relief Cross in Lebanon (ARCL) Advisory Board, of the Araxi Boulghourdgian Socio-medical Health Center, secretary
Armenian Relief Cross in Lebanon (ARCL) Relations and Welfare Committee of the Regional Executive Committee, chair
Armenian Relief Cross in Lebanon (ARCL) Health Committee of the Regional Executive Committee, chair

Sigma Theta Tau International Honor Society of Nursing, Lambda PI Chapter, member

Sigma Theta Tau, International Honor Society of Nursing, Chi Iota Chapter, former board president, 2015-16

Tamar Avedissian

Admission and Recruitment Committee, member
Order of Nurses in Lebanon, Administrative Committee, member
Sigma Theta Tau International, Chi Iota Chapter AUB, Leadership succession committee, member

Hala Darwish

American Academy of Nursing, member
American Congress for Rehabilitation medicine, member
International Organization of MS Nursing, member
Society for Neuroscience, member

Nuhad Dumit

Order of Nurses in Lebanon, president
Scientific Steering Committee, ICN Code of Ethics, member
Sigma Theta Tau International Alpha Kappa, chapter-at-large, member
Western Institute of Nursing, member

Souha Fares

American Physiological Society, member

Laila Farhood

American Psychiatric Nursing Association (APNA), member
American University of Bierut Sigma Theta Tau International Chi Iota Chapter, member
Board of Trustees, Marjayoun National College, member
International Nursing Review (INR), Lebanon's representative
International Society for Traumatic Stress Studies (ISTSS), member
International Women's Mental Health Association, member (World Psychiatric Association)
Sigma Theta Tau International, Alpha Chapter, member

Gladys Honein

College of Nurses of Ontario, non-practicing member
North American Primary Care Group (NAPCRG), member

May Khoury

Sigma Theta Tau international Chi Iota Chapter Honor Society of Nursing, member

Angela Massouh

American Association of Critical Care Nurses, member
Association of Cardiovascular Nursing and Allied Professions, at the European Society of Cardiology, member
Heart Failure Association at the European Society of Cardiology, member
Heart Failure Specialists of Tomorrow, European Society of Cardiology, and Nucleus Committee, member
National Association of Clinical Nurse Specialists, member
Sigma Theta Tau International, Chi Iota Chapter, president

Samar Nouredine

American Academy of Nursing, international fellow, since October 2014
American Heart Association, member and international fellow
Council on Cardiovascular Nursing and Allied Health of the European Society of Cardiology, member, since 2005
Global Cardiovascular Nursing Leadership Forum, member, since 2014
Governance Committee of the Chi Iota Chapter, STTI, chair, since 2017
RhO Chapter (University of Michigan School of Nursing) and Chi Iota Chapter (Hariri School of Nursing, AUB), Sigma Theta Tau International, member
Scientific Committee, Order of Nurses in Lebanon, member, 2015-18

Lina Younan

Disciplinary Board of the Order of Nurses in Lebanon, member
Order of Nurses in Lebanon, member
Sigma Theta Tau International, Chi Iota Chapter, AUB, member

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VI. LOOKING AHEAD

New Academic Programs: HSON plans to expand its current undergraduate and graduate academic programs and continue to contribute to the development of healthcare in Lebanon by preparing high quality graduates to meet the strong demand schools/colleges of nursing, hospitals, and health services.

- At the undergraduate level, we plan to evaluate and revisit the second degree program to attract more BA/BS graduates.
- The proposal to launch a TS-BSN program at AUB AREC in the Beqaa area is being finalized and will be launched soon.
- At the graduate level, HSON will be launching an online/hybrid MSN track in Nursing Administration and Management. The Nursing Education hybrid track is still under discussion.

Other Developments:

- Student recruitment will continue to be a priority. HSON will continue to award merit scholarships to BSN students.
- More emphasis will continue to be placed on graduate recruitment at the national, regional, and international levels in close collaboration with the AUB Graduate Council.
- Increasing the number of scholarships remains a major priority for HSON and is critical to the success of current and new programs. The establishment of more endowed funds remains a strategic goal for HSON.
- The recruitment of PhD-holder and research-active faculty and filling the endowed chair to direct HSON's Center for Nursing Research will continue to be a priority.
- HSON will be a major building block of the university's Health Sciences Campus and Health 2025 vision.