

Resume

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Place of Birth: Dahran, Saudi Arabia

Education

| | | | |
|------|----------------------------------|------------------------|----------------------|
| 2005 | PhD | Molecular Cell Biology | University of Iowa |
| 1992 | M.Sc. First Honors Award | Biology | University of Jordan |
| 1989 | B.Sc. First Honors Award | Biology | University of Jordan |
| 1985 | General Certificate of Education | | University of London |

Faculty Academic Appointments

| | | |
|--------------------|---|---|
| 2017-2018 | Fellow, Rita Hauser Chair | Radcliffe Institute for Advanced Studies at Harvard University |
| Mar 2015-Sep 2015 | Visiting Professor, Cell Therapy Center | University of Jordan |
| Jan 2015-Mar 2015 | Visiting Scholar | The Faraday Institute, St Edmund's College, Cambridge University |
| 2013- | Tenured Associate Professor | The Hashemite University |
| Sept 2012-Jan 2013 | Fulbright Visiting Assistant Professor | Stem Cell Center, Genetics Dept, Yale University |
| 2005-2012 | Assistant Professor | Hashemite University |
| 1995-2000 | Teacher | Amman Academy |
| 1992-1994 | Lecturer | Philadelphia University |

Major Administrative Leadership Positions

| | | |
|-------------------|----------|--|
| 2011-2012 | Director | Center for Studies, Hashemite University |
| Nov 2009-Apr 2010 | Director | Center for Service Learning, Hashemite University |

Other Professional Positions

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|-----------|--------------------------------|----------------------------------|
| 2013- | Member | UN Women Jordan Advisory Council |
| 2011-2014 | Higher Education Reform Expert | TEMPUS Jordan |
| 2000-2005 | Research Assistant | University of Iowa |

Other Services

Consultations and Committees

| | | |
|------------------------------|---|---|
| August 2018 | Consultant | Radcliffe Natural Sciences Fellowship review committee |
| Aug 2018 | Member | Phi Science network advisory board |
| June 2018 | Consultant | Biomarkers Steering committee, GlobalTies, NYU Macarthur grant to sesame/IRD for Syrian refugees |
| May 2018 | Consultant | Project literacy Engaging parents |
| May 2018 | Consultant | Project literacy Monitoring and Evaluation |
| May 14-15 2018 | Consultant | WHO Sexual and Reproductive Health Research in Humanitarian Settings: The SEEK Trial – Intervention Development Geneva, Switzerland |
| May 6, 2018 | Consultant | Bahrain Arabian Gulf university for Stem cell law regulations, Manama Bahrain |
| Mar 2018 | Member | National committee for Biotechnology and bioengineering |
| Dec 2017 and Jan 24-25, 2018 | | Mental health manual for barefoot psychologist beyond conflict Boston USA and Amman Jordan |
| Dec 2017 | Consultant | Curriculum review for Madrassa discourse Contending modernities University of Notre Dame |
| Sep 2017 | Member | Shoman foundation research council |
| Oct 9-10 2017 | Consultant | WHO mental Health Geneva, Switzerland |
| Jul 2016 | Member | ASRF Women Innovators in Charge Jury |
| Feb 2016 | Consultant | Advisory Forum PIZZA, Washington DC |
| Feb 2016 | Founding Fellow | Academy of Engineering and Technology for the Developing World (AETDEW) |
| 2016 | Member | International Diabetes Federation |
| 2016 | Member | Committee for Epidemiology and Public Health |
| 2016 | Member | WISE Award Pre-Jury |
| 2015 | Member | Early Childhood Peace Consortium, Yale University |
| 2015 | Board Member | Association of Jordan women in academia |
| 2015 | Member | Governing Board UNESCO ISCTIC |
| 2015 | Member | Middle East Research Ethics Training, University of Maryland Initiative (MERETI) Advisory Committee |
| 2015 | Member | AINAC Jury |
| Apr 2014 | CO-founder | Islamic World Academy for Young Scientists, ISESCO |
| Mar-Apr 2014 | Role model, advisor and competition judge | Chain Reaction problem based learning Project FP7 |
| Jan 2014 –Jan 2015 | Adviser | Think Unlimited |
| Nov 2013- | Organizer | Women Mentoring Project |
| Jan 2014- | Member | National Committee on Stem Cell Ethics |
| Nov 2013 | Organizer | Pilot launching of women mentoring program Collaboration with TEMPUS and Hashemite Uni |
| 2013 | Member | First Women Mentoring for social entrepreneurs |

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| | | launched with Synergos |
| Jun 2013- | Member | UN Women Advisory Board of Jordan |
| Feb 2013- | Expert Consultant | Education Sector, Islamic Development Saudi Arabia Bank |
| 2013- 2017 | Board Member | Board of Directors for the Scientific Research Society, Amman, Jordan |
| 2012- | Mentor | AMENDS Programm, Stanford University |
| 2012- | Advisor | Advisory Council of the Fetzer Advisory Council on the Natural Sciences, Fetzer Institute |
| Sep 2010- | Member | IT Higher Committee, Hashemite University, Jordan, |
| Feb 2010 | Member | Arabic Book Program Titles Selection committee , USA Embassy, Jordan |
| Jan 2010 | Member | Advisory Board of Raneen (audio books for childrenJul |
| 2009 | Member | National Team for setting priorities for health research issues for Jordan |
| Jul 2009 | Member | Queen Rania Teacher Academy for Collaborative Writing Challenges in Jordan |
| Jun 2008 | Member | Committee for Stem Cell Research Higher Council Science and Tech |
| Jun 2008 | Member | Task Force for the Jordan US Joint Committee on Health, Higher Council of Science and Technology |
| 2008- | External Reviewer | Fulbright |

Conference and workshop organizer

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| August 2018 | Seminar on Bridging research and Practice successfully, Jordan |
| May 2018 | Conference co Chair cancer informatics Jordan |
| Sep 2017 | Gender summit for Arab world organizer |
| Sep 2017 | GEM report UNGA, New York, USA, Collaborator |
| Sept 2016 | “How to write a manuscript” workshop, JSSR, PEER, Harvard Medical School, Dana Farber, Zarqa University, Zarqa Jordan |
| Mar 2016 | Stars WLR/Taghyeer Workshop Coordinator |
| May 2015 | TEDxHashemiteUniversitywomen Conference Coordinator |
| Oct 2015 | Second Circle of Aemat PEER Project Conference coordinator, |
| 2015 | Women’s Circle, Synergos, Participant |
| May 2014 | Seventh Scientific Research Conference (Stem Cell Sector) Co-organizer |
| 2013 | Women’s Circle at WISE, Participant |
| 2012 | Women’s Circle, Synergos, Participant |
| Nov 2013 | Women mentoring meeting TEMPUS and Hashemite University, Conference CoordinatorFeb |
| 2013- | Workshops for Faculty of Pharmacy, Zarqa University Curriculum Reform Organizer |
| Jan 2012- | Islam and Science workshop John Templeton foundation, Co-Organizer |
| Jul 2012- | Frontiers of pluripotent Stem cell course in Jordan in collaboration with International Cell Research Organization, University of Pittsburgh, Farah Hospital, Hashemite University, Jordan Coordinator |
| Feb 2011 | Scientific Committee for Evolution, British Council Debate, Member |
| Nov 2011- | Student Learning Outcome Workshops, Hashemite University, Co-Organizer |
| Dec 2011 | TEDxHashemite University, Theme: “Leadership” Conference Coordinator |
| Dec 2011 | TEDx Hashemite University Women, Theme: “Empower Women Empower the World”, Conference coordinator |
| Jul 2010 | We Love Reading, Conference coordinator |

Dec 2008 Women Networking in Academia, Jordan University, Organizer
Oct 2008 Women Networking Event, Amman, Jordan, Conference Coordinator
Aug 2008 Committee for the Fourth Science
Research Cancer Conference, Head of Committee

Committees and duties at Hashemite University:

- Committee for elearning and MOCCs, September 2015 – present
- Committee for scientific research, September 2015 – present
- Local GRE committee, March 2014- present
- Strategy committee, Jan 2014 – present
- QS committee, Oct 2013 – present
- Information technology higher committee, Oct 2010 – present
- Established first reading club, May 2009
- Organizer of scientific day at the university, Spring 2009
- International Office, Feb 2008-present
- Library committee for the Faculty of Science, Oct 2006 –present
- Academic counselor for Biology students year 2005- 2006, Oct 2005 – present
- Cultural committee for the Department of Biology and Biotechnology, Oct 2005 – present
- Thesis committee member for numerous dissertations, 2008 and 2012-present
- Thesis advisor for numerous dissertations
- Organizer of department seminar series
- Given various lectures on work, study abroad, and research

Lectures given at the Hashemite University

The butterfly effect the American corner Feb 7, 2017
Circassian and Chechan research Feb 6, 2017
Medical school October 2016
Studying abroad March 14, 2016
Social entrepreneurship March 29, 2016
WLR March 29, 2016
Reading October 8, 2015
MEDx II a new spirit Medical faculty June 7, 2015
Sharing my experience April 2014
How to study abroad March 2014
Reading, Student organized event March 2014
The Butterfly Effect, IEEE Feb 2014
We Love Reading, Tanween Jan 2014
Stem cell research recent developments and challenges Dec 2013
Creativity in education Nov 2010
Women as global leaders May 2008
Stem cells Nov 2008
Problem based learning May 2007
Bioinformatics May 2007
How to apply to study abroad Sep 2007

Professional Societies

International Humanitarian Studies Association

The Business and Professional Women Association- Amman BPWA- “Inspiring Young Women To Join The Workforce,” 2017

Senior Member of Society for Advancement of Science and Technology Arab, 2016

Association of Jordan Women Academics, 2016
Mentor net, Jan 2011
Research member of the Jordan National Center for Women, June 2009
Association of Women Academics of Jordan
Community genetics network
Arab International women forum
Clinton Global Initiative
Arab world social innovators
Fulbright alumni
Human genome organization (HUGO)
American association cancer research (AACR)
American association for the advancement of Science (AAAS)
Jordan Biology Society
National Geographic Society

Editorial Activities

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| Jan 2013- | Editor | Frontiers in Immunology |
| Sep 2013- | Associate Editor | Meta Gene |
| Jun 2011- | Editor | Muslim-Science.com |
| Jul 2010- | Guest Editor | “The Anatomical Record” |

Reviewing Activities

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| 2018- | Psyconeuroendocrinology |
| 2016 – | Cancer Investigation |
| 2016 – | Genetics and Molecular Biology |
| 2015 | Genetic Testing and Molecular Biomarkers |
| 2015 – | Cytokine |
| 2015 - | Medicine |
| 2013 – | Lancet |
| 2013 – | GENE |
| 2013- | Annals of Medical and Health Sciences Research |
| 2012- | Ministry of higher education |
| 2012 | Zygon |
| 2012 | Jordan Journal of biological Sciences |
| 2011- | Diabetes Care |
| May 2011 | Nature education reviewer for an online course for introductory biology |
| 2010 – | Bibliotheca Alexandrina distinct reviewer Research Grants (BA/CSSP RG) program |

Selected Honors

- Jacob Klaus Social entrepreneurship Award 2018
- World Literacy Summit award 2018
- UI Carver College of Medicine’s Distinguished Alumni Awards 2018
- UNHCR’s Protecting Urban Refugee Children Innovation Challenge Winner 2017
- Jordan Star of Science, Category Biology, His Majesty King Abdullah II of Jordan, World Science Forum 2017
- UNESCO King Sejong International Literacy Prize 2017
- We Love Reading: Refugee-led Reading Circle, Promising Practices in Refugee Education initiative 2017 Pearson, UNHCR and Save the children 2017
- Runner up for the Core77 design awards for social impact 2017
- Aspen Ideas Festival 1 scholar 2017
- Harvard Radcliff Fellowship award 2017

- World HRD Congress Women Super Achiever Award 2017
- On the list of 500 most influential Muslims 2015, 2016, 2017
- PEER Award 2014 for the project “The Three Circles of Aemat,” PI, NSF/USAID, 2014-2017
- The inaugural *IIE Global Changemaker Award* in celebration of the 70th Anniversary of the Fulbright 2016
- The Stars Award for Impact 2015
- The Arab Women Association Golden Award 2015
- Top idea in the IDEO challenge 2015
- Honored by his Majesty King Abdullah II of Jordan as a woman leader 2015
- ranked 12 in *CEO Middle East* magazine’s list of 100 Most Powerful Arab Women 2015
- Women in Science hall of fame, US Embassy Amman’s Environment, Science, Technology, and Health Office for the Middle East, 2015
- ranked 13 in *CEO Middle East* magazine’s list of 100 Most Powerful Arab Women 2014
- 50 Most Talented Social Innovators 2015 at the World CSR Congress
- Women in Science hall of fame 2015 US embassy Amman’s Environment, Science, Technology and Health Office for the Middle East
- PEER Award 2014 for the project “The Three Circles of Aemat” NSF/USAID
- Order of Al Hussein for Distinguished Contributions of the Second Class. Granted to "those who have made distinguished contributions to society"
- Winner for the WISE Award 2014
- Eisenhower Fellowship innovative program 2014
- “We Love Reading” recognized by Center for Education Innovation, 2014
- selected as one of the 100 most powerful Arabs in the World 2014 in the category “geniuses” by Arabian Business magazine
- Named one of the list of GOOD 2014
- “We Love Reading” recognized by UNESCO, 2014
- Named one of the most influential women scientist of the Islamic world 2014 by UK based Muslim Science magazine
- Named Citizen of the Next Century List for 2013
- Library of congress Literacy Award for best practices for “We Love Reading,” 2013
- Fulbright Occasional Lecture Award Spring 2013
- Fulbright Research Scholarship first place, 2012-2013 Research at Yale University Stem cells and micro RNA
- Featured in the Innovation for education book by Charles Leadbeater, WISE Qatar Foundation, 2012
- Finalist for the “women in academia network” for the Alumni Engagement innovation fund by the State alumni, 2011
- Nominated by the Hashemite University for the “Women in Science” award offered by the Islamic Development Bank (2011)
- Complimentary membership to the Clinton Global Initiative 2010
- Ahel el Hemmeh” initiative, nominated for the award and got voted in the final 30 runner-ups for “We Love Reading”
- Awarded the 2009 Arab world social innovator award by Synergos for the project "we love reading"
- Nominated as one of Ahel Al- himmeh. An initiative by Queen Rania of Jordan to recognize individuals from the Jordan community who do volunteer work for the community and have made a difference
- the King Hussein Cancer Institute for cancer and biotechnology award 2009
- Fulbright Alumni Development Awards (ADA) 2008
- Fulbright Scholar 2000-2002
- Howard Hughes Medical Institute predoctoral award - honorary mention 2001

Achievements/Products

We Love Reading:

1. trained 7000 women how to read aloud
2. established 3000 libraries in different areas of Jordan
3. The model has spread to 42 countries: Lebanon, Egypt, Tunis, Saudi Arabia, UAE, Turkey, Malaysia, Thailand, Atherbaijan, Uganda, USA, Mexico and Germany
4. Local partners: ARAMEX (Ruwwad), Zaha Cultural center, Business development center, Injaz Jordan, US embassy Arab book program, women microfund
5. Developed 10 children's books about energy and water conservation and littering that we use in our libraries as a medium for changing behavior and raising awareness towards the environment
6. Developed 20 books about disabilities, non-violence, refugees, social cohesion, gender
7. Training sessions in various areas in Jordan and with various partner organizations including:
 - Ruwwad, Zarqa Anne Lindh foundation, March 2011
 - Mother child education foundation, Turkey April 2010
 - Higher council for children with disabilities, Amman Nov 2009
 - Zaha cultural center, Amman (2 workshops) Dec 2010 and March 2011
 - Children museum, Amman (2 workshops) Jan 2009 and April 2009
 - Albalad theater, Amman (2 workshops) March 2010 and May 2010
 - Amman municipality library (70 librarians) Nov 2009
 - Hashemite Center in Madaba May 2010
 - Northern Shoona center ministry of social development May 2010
 - Zarqa refugee camp Nov 2009
 - Save the children, Amman June 2010
 - Karak Nov 2011
 - Remas Dec 2011
 - Remas April 2012
 - Mahes June 2012
 - Amman Feb 2013
 - Amman July 1-4, 2013
 - Amman Oct 26-27, 2013
 - Irbid Nov 2-3, 2013
 - Aqaba Nov 9-10, 2013
 - Shobak Nov 16- 17, 2013
 - Amman June 16 2014
 - Mafraq April 2015

Women Mentoring:

- Created a woman mentoring toolkit

Courses

Oct 3, 2016 EU Co-founded Erasmus+ program called METHODS: Modernization of teaching methodologies in higher education: EU experience for Jordan and Palestinian territory. Focus group on the establishment of an ICT center in Jordan UJ

Nov 3, 2016 EU Co-founded Erasmus+ program called METHODS: Modernization of tEaching meThodologies in higher educatiOn: EU experience for jorDan and Palestinian territory Workshop on the establishment of an ICT center in JOrdan UJ

Sep 28 -29, 2016 FC+HCI leadership workshop Arab thought foundation

Aug 2016 Islam and Critical theory ICT Amman, Jordan
18 – 19 May 2016 R2HC workshop Amman, Jordan

May 2016 Identity and Critical theory ICT Amman, Jordan

20 -23 March 2016 Star leadership

13 -17 March 2016 PEER workshop

September 2015 Human centered design workshop IDEO.org Uganda

Dec 2012 Social media in teaching workshop Yale University New Haven, CT USA

Jan 29- Feb 1, 2012 Student learning outcomes for the humanities and arts at the Hashemite University by TEMPUS European Higher education reform experts

Feb 1- Feb 3 Student learning outcomes for the health and engineering sciences at the Hashemite University by TEMPUS European Higher education reform experts

Nov 22-23 2011 UNICA HERE regional Seminar on Equivalence of Degrees in the Euro Mediterranean region Barcelona Spain

July 2011 ISO 90001 Internal Auditor course
DQS- UL MSS, Amman Jordan

April 2011 FRONTIERS IN HUMAN PLURIPOTENT STEM CELLS
workshop
International Cell Research Organization, University of Pittsburgh, Farah Hospital, Hashemite University
Amman Jordan

2010 Strategic planning, action planning, strategic communication planning and grant writing and preparation
Booz Allen Hamilton, USA

June 2010 Service learning workshop
National University of Ireland

May 2010 FP7 workshop "Writing proposals for FP7"
University of Jordan

April 28, 2009 Women in the network workshop
Dinah Bennet, Durham University
Jordan University Jordan

June 2008 Frontiers in Human embryonic stem cells
MBL, Woods Hole, MA USA
An NIH funded intensive workshop.

June 2007 Tegrity Class Capturing Tool, E-learning Center, Hashemite University Jordan
April 2007 Blackboard Learning Management System, E-learning Center, Hashemite University Jordan

2005 Education Technology and evaluation course training at Hashemite University

2000 Jordan United States Business Partnership Jordan
Human Resources Development and Business Planning

1998 University of Cambridge England

International general certificate of secondary education, training in school-based assessment in biology

1996 Princess Tharwat college Jordan
Learning disabilities

Research Projects

- 2018- Comparing circassian and chechan populations in two different environments. (research with Kazima from Russia)
- 2017-2019 Genetics of ethnic populations: Circassians and Chechans (The Babraham Institute, Cambridge collaboration on mitochondrial DNA in Jordan with Dr Gavin Kelsey, The Epigenetics Programme;)
- 2017-2018 Effect of “We Love Reading” on mental cognition
Research with Brown University. Professor Dima Amso
- 2017 -2018 Human migration, research with University of California Berkeley with Professor Rasmus Neilson
- Oct 2016 Empowerment of Jordanian women academics: reality, achievements, requirements and challenges
coPI AJWA, MEPI grant
- 2016-2018 Randomness and Providence, senior scholar
Collaborator Kelly Clark
Funded by John Templeton Foundation
- 2016-2018 Conducting workshops for women scientists in Jordan, research with Harvard University Dana Farber Institute Professor Navid Madani
- 2015-2020 The research ethics education program in Jordan: Train the next generation of researchers in the Middle East in public health research and responsible conduct of research through graduate level training and mentoring, mentor, funded by grant from NIH/FIC,
- 2015-2018 Epigenetics of trauma and youth student exchange, research with Harvard University Public health Professor Bernardo Lemos
- 2015 – 2017 Science Teaching in Contemporary Islamic Societies, collaborator with the Institute of Islamic Studies at McGill, funded by partnership development grant from the Canadian Social Sciences and Humanities Research Council, Canada
- 2015-2017 Measuring the health and wellbeing impacts of a scalable program of psychosocial intervention for refugee youth
Collaboration with Catherine Panter Brick, Anthropology department, Yale University
- 2015-2017 Mobility grant Erasmus plus with Vilnius University, Lithuania
- 2015- Epigenetic's of transgenerational trauma in three Syrian cohorts, co PI,
Yale University, Hashemite University, Florida University
- 2013- Identification of Genes of complex diseases in contiguous families using genomics and exome sequencing
Collaboration with Richard Lifton, PhD, Genetics department, Yale University
- 2014-2017 The PEER Award Jordan - Project 3-47: Three Circles of Alemat: creating collaborative multicultural networks for women in the sciences, PI: Rana Dajani, Jordan Society for Scientific Research
- 2014–2015 *Muslim responses to Science's big questions*, collaborator, funded by John Templeton Foundation
- 2014 Reading and Empathy: studying the effect of reading on empathy in children
Collaboration with University of Chicago Chile Neurosuite
- 2014 Eisenhower fellowship to research women in science challenges
- 2013-2015 Islam and Science: an educational approach, collaborator, funded by John Templeton Foundation
- 2013-2014 Reading and environmental awareness

- 2011-2013 Polymorphisms of Clotting factors in genetically isolated populations in Jordan, funded by 3285 JD from Hashemite University
- 2010-2012 *Developing Service-Learning and Civic Engagement Partnerships across the Curriculum*, funded by 880,000 EU from EU from TEMPUS IV
- 2010 Identification of virulence factors in *Cryptosporidium*
Joint member, Funded by 75,000 SEK from SIDA, Sweden
- 2010-2012 Biodiesel Fuel Production in a Packed Bioreactor using Immobilized Lipase Enzyme
Produced by *Bacillus* sp. Isolated from Raw Petrol
Joint member
Funded by 71,000 JD from Ministry of Higher Education, Jordan
- 2009-2012 Anthropological, epidemiological and genetic studies on genetically isolated populations in Jordan
Funded by 60,000 JD from Higher council of science and technology, Jordan
- 2009-2012 Genome wide association studies on a genetically isolated population (Chechans) in Jordan in order to identify novel risk factors for Type II diabetes
Funded by 75,000 JD from Funded by King Hussein institute for biotechnology and cancer, Jordan
- 2009-2010 The incidence of complex diseases in genetically isolated populations in Jordan Funded by 5,000 JD from Hashemite University
- 2006-2008 Common molecular markers between obesity and intrinsic asthma in humans, Funded by 7,000 JD from Hashemite University

Report of Teaching, Training, and Mentorship

Teaching of Students in Courses

| | |
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| 2005- Biology 101 Freshmen | Hashemite University |
| 2007- Biology 102 Freshmen | Hashemite University |
| 2005- Cell Biology Sophomores | Hashemite University |
| 2007- Cell Biology for Medical Students Sophomores | Hashemite University |
| 2009- Cell Biology Virtual Lab Sophomores | Hashemite University |
| 2010 Special Topics: Criticizing scientific articles Seniors | Hashemite University |
| 2006- Senior Seminar Seniors | Hashemite University |
| 2009- Bioinformatics Undergraduate Students | Hashemite University |
| 2011 Molecular Biology Sophomores | Hashemite University |
| 2009 Evolution Seniors | Hashemite University |
| 2015 Molecular Biology Graduate Students | Hashemite University |
| 2006- Cell Biology Graduate Students | Hashemite University |
| 2010 Special Topics : Bioinformatics and Signal Transduction Graduate Students | Hashemite University |

Course curricula development

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| 2018 | Course development cancer care informatics |
| 2018 | Discourses in Madrasa, Contending Modernity, University of Notre Dame |
| 2015 | Consultant/advisor to course in evolution in Arabic University of California Berkeley |
| 2013- | Developed e-learning courses in global civics, cell biology, cell biology lab, and bioinformatics at Hashemite University |

Formal Teaching of Peers

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| 2016- | Mentoring within three circles of alemat project for female academics in Jordan, regionally and internationally |
| Sep 2016 | Workshop on how to write a manuscript, Harvard University/Dana Farber |
| 2015 | MEPI project, train female academics from Jordan universities in networking and research |
| Apr-Aug 2015 | Center for Cell Therapy, train staff and researchers, University of Jordan |
| Dec 2011 | Service learning workshop training for faculty, trainer |
| Jun 2011 | Higher council of science and technology, Office of capacity building of Jordanian researchers, train on networking, international partnerships and communication skills |

Report of Scholarship

Peer Reviewed Scientific Publications in Print or Other Media

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|----|---|
| 1. | Panter-Brick C, Dajani R. C-reactive protein, Epstein-Barr virus, and cortisol trajectories in refugee and non-refugee youth: Links with stress, mental health, and cognitive function during a randomized controlled trial Submitted to <i>Brain, behaviour and immunity</i> |
| 2. | Kim KY, Tanaka Y, Su J, Cakir B, Xiang Y, Patterson B, Ding J, Jung YW, Kim JH, Hysolli E, Lee H, Dajani R, Kim J, Zhong M, Lee JH, Skalnik D, Lim JM, Sullivan GJ, Wang J, Park IH. Uhrf1 regulates active transcriptional marks at bivalent domains in pluripotent stem cells through Setd1a. <i>Nat Commun.</i> 2018 Jul 3;9(1):2583. doi: 10.1038/s41467-018-04818-0. |
| 3. | Panter-Brick C, Kurtz J, Dajani R (2018). What strong partnerships achieve: Innovations in research and practice. <i>Humanitarian Exchange</i> (Special issue). In press. |
| 4. | Hadfield K, Chen A, Sheridan M, Dajani R, Ager A, Eggerman M, Panter-Brick C (under review). Cognitive function in refugee and non-refugee youth: A randomized controlled trial of a psychosocial intervention. <i>Development science</i> (Special issue). (under review) |
| 5. | Chen A, Panter-Brick C, Hadfield K, Dajani R, Hamoudi A, Sheridan M (under review). Minds under siege: Cognitive functioning in Syrian refugee adolescents impacted by armed conflict and displacement. <i>Child Development.</i> (under review) |
| 6. | De Barros Damgaard, P Dajani, R et al 137 ancient human genomes from across the Eurasian steppes. <i>Nature</i> 2018 May;557(7705):369-374. doi: 10.1038/s41586-018-0094-2. Epub 2018 May 9. |

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| 7. | Dajani R, Shbeilat S, Arafat A, Sobar S, Bitar H, Tayyem R, Wei Z, Hakonarson Association of genetic variants with macronutrient intake in Circassian and Chechan populations in relation to diabetes <i>MetaGene</i> June 2018; 16:199 |
| 8. | Dajani R et al Genes associated with cancer, schizophrenia and type 2 diabetes in the circassian and chechen populations in jordan <i>Jordan medical Journal</i> January 2018; 52(1):59-75 |
| 9. | Masomotu, Dajani Public-Private Divide: Cultural and Social Factors in Women’s Attitudes Toward Cord Blood Banking in Jordan Trans-2017-0890.R1 |
| 10. | Dajani, Rana, Kristin Hadfield, Stan van Uum, Michael Greff, and Catherine Panter- Brick. “Hair Cortisol Concentrations in War-Affected Adolescents: A Prospective Intervention Trial,” <i>Psychoneuroendocrinology</i> 2018 Mar;89:138-146 |
| 11. | Panter-Brick, Catherine, Rana Dajani, Mark Eggerman, Sabrina Herмосilla, Amelia Sancilio, and Alastair Ager. “Insecurity, Distress and Mental Health: Experimental and Randomized Controlled Trials of a Psychosocial Intervention for Youth Affected by the Syrian Crisis.” <i>J Child Psychol Psychiatry</i> . 2018 May;59(5):523-541 |
| 12. | Panter-Brick, Catherine, Kristin Hadfield, Rana Dajani, Mark Eggerman, Alastair Ager, and Michael Ungar. “Resilience in Context: A Brief and Culturally Grounded Measure for Syrian Refugee and Jordanian Host-Community Adolescents.” <i>Child Development</i> , June 15, 2017. https://doi.org/10.1111/cdev.12868 . |
| 13. | Eitan, Laith N., Ahmad M. Nassar, Rana B. Dajani, Basima A. Almomani, and Nesreen A. Saadeh. “Diabetes Mellitus in Two Genetically Distinct Populations in Jordan. A Comparison between Arabs and Circassians/Chechens Living with Diabetes.” <i>Saudi Medical Journal</i> 38, no. 2 (February 2017): 163–69. https://doi.org/10.15537/smj.2017.2.17910 . |
| 14. | Dajani, Rana, Jin Li, Zhi Wei, Michael E. March, Qianghua Xia, Yousef Khader, Nancy Hakooz, et al. “Genome-Wide Association Study Identifies Novel Type II Diabetes Risk Loci in Jordan Subpopulations.” <i>PeerJ</i> 5 (2017): e3618. https://doi.org/10.7717/peerj.3618 . |
| 15. | Mahasneh, Randa Ali, Michael H. Romanowski, and Rana Basem Dajani. “Reading Social Stories in the Community: A Promising Intervention for Promoting Children’s Environmental Knowledge and Behavior in Jordan” <i>The Journal of Environmental Education</i> 48, no. 5 (June 1, 2017): 334–46. |
| 16. | Matsumoto, Monica M., Rana Dajani, Yousef Khader, and Kirstin R. W. Matthews. “Assessing Women’s Knowledge and Attitudes toward Cord Blood Banking: Policy and Ethical Implications for Jordan.” <i>Transfusion</i> 56, no. 8 (August 2016): 2052–61. https://doi.org/10.1111/trf.13650 . |
| 17. | Dajani, Rana, Jin Li, Zhi Wei, Joseph T. Glessner, Xiao Chang, Christopher J. Cardinale, Renata Pellegrino, et al. “CNV Analysis Associates AKNAD1 with Type- 2 Diabetes in Jordan Subpopulations.” <i>Scientific Reports</i> 5 (August 21, 2015): 13391. https://doi.org/10.1038/srep13391 . |
| 18. | Matsumoto, Monica M., Rana Dajani, and Kirstin R. W. Matthews. “Cord Blood Banking in the Arab World: Current Status and Future Developments.” <i>Biology of Blood and Marrow Transplantation: Journal of the American Society for Blood and Marrow Transplantation</i> 21, no. 7 (July 2015): 1188–94. https://doi.org/10.1016/j.bbmt.2015.01.012 . |
| 19. | Tayyem, Reema Fayez, Rana Dajani, Yousef S. Khader, Suhad S. Abu-Mweis, Raja Fatahallah, and Hiba A. Bawadi. “Nutrient Intake and Lifestyle Factors by Diabetes Status of Circassians and Chechans in Jordan.” <i>Ethnicity & Disease</i> 24, no. 2 (2014): 200–206. |
| 20. | Dajani, Rana, Sung-Eun Koo, Gareth J. Sullivan, and In-Hyun Park. “Investigation of Rett Syndrome Using Pluripotent Stem Cells.” <i>Journal of Cellular Biochemistry</i> 114, no. 11 (November 2013): 2446–53. https://doi.org/10.1002/jcb.24597 . |
| 21. | Dajani, Rana, Raja Fathallah, Ala Arafat, Mohammed Emad AbdulQader, Nancy Hakooz, Yousef Al-Motassem, and Mohammad El-Khateeb. “Prevalence of MTHFR |

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| | C677T Single Nucleotide Polymorphism in Genetically Isolated Populations in Jordan.” <i>Biochemical Genetics</i> 51, no. 9–10 (October 2013): 780–88. https://doi.org/10.1007/s10528-013-9606-9 . |
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Peer Reviewed Books or Chapter Publications in Print or Other Media

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| 1 | Dajani R Ethics of Stem cells chapter in Research ethics in Middle East Published by Springer 2018 |
| 2 | Dajani R Evolution and Islam entry in <i>Encyclopedia of Islamic Bioethics Oxford University press</i> 2017 |
| 3 | Dajani R A chapter in the book Al-Jayyousi, Odeh. <i>Integral Innovation: New Worldviews</i> . London : New York: Routledge, Taylor & Francis Group, 2017. |

Non-Peer Reviewed Publications in Print or Other Media

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| 1 | Dajani R Mentoring policy report July 2017 |
| 2 | Dajani R Developing nations need more than just money. <i>Nature</i> . 2017 Oct 10;550(7675):159. doi: 10.1038/550159a |
| 3 | Starting to Stay - Advice to New NGOs and the Donors who will Support Them: How can we create a roadmap for NGOs to develop a sustainable financial model? by Rana Dajani; Amina Malih; Yamna Taltit; Jackie Lubeck; Anan Terhi; Abdullah Kharoub; Fayez Arafat PUBLISHERS SAANED Stars Foundation Mar 16, 2017 |
| 4 | Dajani, Rana. 2017. "Role Models Who Walk Our Walk." In <i>Visions and Actions to Promote Gender Equality in the Mediterranean</i> , 70–71. Union for the Mediterranean |
| 5 | Dajani R "How being a Muslim Female Scientist helped me do better science" <i>Cultures Disparities Issue American Society for Microbiology</i> 2017 http://asmcultures.org/3-4/10 |
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| 8 | Dajani, Rana, and Awad Abdullah. "We Love Reading- A Women's Literacy Program in the Arab World," <i>Ohio ASCD Journal</i> Nov 2016. |
| 9 | Dajani R Building Bridges, One Leader at a Time. This I Believe - Personal Essays by the Women and Men of Eisenhower Fellowships. |
| 10 | Dajani R "Valuing compassion why can't we redefine success" the Fletcher forum October 2016 http://www.fletcherforum.org/home/2016/11/4/valuing-compassion-why-cant-we-redefine-success |
| 11 | Dajani R, Task force on Islam and Science: Evolution and Islam is there a contradiction March 15, 2016 |
| 12 | Dajani R "Waste not want not" <i>Science</i> . 2015 Nov 27;350(6264):1043. doi: 10.1126/science.350.6264.1043-b |
| 13 | Dajani R, The power of reading aloud WISE Arabic and English https://www.wise-qatar.org/edreview/power-reading-aloud http://www.wise-qatar.org/power-reading-aloud-arabic |
| 14 | Bioinformatics Arabi Arabic May 2015 الحيوية ودورها الريادي المعلوماتية http://www.kfas.org/pdfs-forms/taqaddum-ilmi-pdfs/vol90.pdf |
| 15 | Dajani R "Why a teach evolution to Muslim Students" <i>Nature</i> 2015 Apr 23;520(7548):409 http://www.nature.com/news/why-i-teach-evolution-to-muslim-students-1.17364 |
| 16 | Dajani R "A science education that matters" <i>Nature Middle East</i> doi:10.1038/nmiddleeast.2014.268 http://www.natureasia.com/en/nmiddleeast/article/10.1038/nmiddleeast.2014.268 |
| 17 | Dajani R "Is Science education the real issue? Published on Muslimsience.com magazine |

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| 18 | Dajani R and Bani-hani K “Female education and workforce trends in health-related disciplines in Jordan” <i>Nature Middle East</i> Dec 22, 2014 http://www.natureasia.com/en/nmiddleeast/article/10.1038/nmiddleeast.2014.285 |
| 19 | Dajani, R Jordan's stem-cell law can guide the Middle East. <i>Nature</i> . 2014 Jun 12;510(7504):189. http://www.nature.com/news/jordan-s-stem-cell-law-can-guide-the-middle-east-1.15385 http://arabicedition.nature.com/journal/2014/07/510189a |
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| 23 | Dajani, R Evolution and Islam a chapter in a book published by ISESCO 2013 |
| 24 | Dajani, R World View: How women scientists fare in the Arab world <i>Nature</i> . 2012 Nov 1;491:9 http://www.nature.com/news/how-women-scientists-fare-in-the-arab-world-1.11705 http://arabicedition.nature.com/journal/2012/11/491009a |
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Non-Peer Reviewed Publications in Print or Other Media

Five Scarves, Doing the Impossible: If we can reverse cell fate why cant we redefine success Nova Science 2018

Peer Reviewed Conference papers

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| 1. | Lessons learnt from an impact evaluation conducted with conflict-affected adolescents: Lollipops, manicures and ownership. 5 th Conference, IHSA Humanitarian Studies, Reshaping Boundaries in Crisis and Crisis Response, Le Hague, August 2018. |
| 2. | Hadfield K, Dajani R, Ager A, Eggerman M, Ungar M, van Uum S. Greff M & Panter-Brick C (2018). Pathways of recovery in adolescents affected by the Syrian crisis: What predicts trajectories of mental health and chronic stress? 25 th Biennial Meeting of the International Society for the Study of Behavioural Development (ISSBD2018), Gold Coast, Australia. |

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| 3. | Panter-Brick C, Eggerman M, Hadfield K, Dajani R, Ager A. Refugees, stress, and mental health trajectories. 23 rd World Congress for the International Association for Child and Adolescent Psychiatry and Allied Professions (IACAPAP), Prague, Czech Republic, 27 Jul 2018 |
| 4. | Kristin Hadfield, Mark Eggerman, Rana Dajani , Catherine Panter-Brick, & Michael Ungar. “ Adversity, resilience, and mental health trajectories in Syrian refugee and Jordanian host-community youth ” Pathways to Resilience IV conference, Cape Town, South Africa, Jun 15, 2017 |
| 5. | Amelia Sancilio, Kyle Wiley, Rana Dajani , Stan Van Umm, Abdelbaset Elzagallaai, Michael Rieder and Catherine Panter-Brick. “ Trauma exposure and hair cortisol in youth affected by the Syrian crisis ” The annual conference of the Human Biology Association, New Orleans, USA, Apr 19, 2017 |
| 6. | Catherine Panter-Brick, Mark Eggerman, Jane MacPhail, Rana Dajani . “ Stress and Resilience: Evaluating interventions with Syrian refugee youth ” 2017 SRCD Biennial Meeting, Austin, Texas, USA, Apr 6-8, 2017 |
| 7. | Mulligan C, Clukay C, Quinlan J, Dajani R Hamadmad D, Abudayyeh G, Panter-Brick C “ Genetics of risk and resilience in Syrian refugee youth ” Symposium: Collaborations across anthropology and genetics, Apr, 2017 |
| 8. | Dajani R. et al “Circles of Mentoring: Pathways to Professional and Personal Growth” AAAS 2017, Boston, Massachusetts, USA, Feb 16–20, 2017 |
| 9. | J. Li, R. Dajani , Z. Wei, Y. Khader, N. Hakooz. Fatahlah, M. El-Khateeb, A. Arafat, T. Saleh, A. Dajani , Z. Al-Abbadi, M. Abdul Qader A. Shiyab, H. Hakonarson “ Genome-wide association study identifies new type 2 diabetes risk loci in Jordan subpopulations ” (poster) 66th annual meeting of American society for human genetics, Vancouver, Canada Oct 18-22, 2016 |
| 10. | Dajani R. “A research partnership evaluating program efficacy on stress and cognition among adolescent Syrian refugees in Jordan”, Adolescence, Youth and Gender” Building Knowledge for Change, Lady Margaret Hall, University of Oxford, UK, Sep 8-9 2016 |
| 11. | Dajani R. et al “Three Circles of Aemat: Growth and Sustainability through Mentoring” (Poster) AAAS 2016, Washington DC, USA, Feb 13, 2016 |
| 12. | Amelia Sancillio, Rana Dajani Mark Eggerman et al. OR.19 “ Do stress biomarkers track poverty, stress and trauma? Evaluating war affected youth. Abstract in “Human biology of poverty” ” Symposium of the society for the study of human biology, Lisbon, Portugal, Sept 2-5, 2015 |
| 13. | Massadeh, Muhannad, Fatima Sabra, Rana Dajani, and Alaa Arafat. “Purification of Lipase Enzyme Produced by Bacillus Stearothermophilus HU1.” Penang, Malaysia, 2012. |
| 14. | Dajani, R. “Novel reading for novel learning” poster at the “Creative Thinking, Reimagining the University” 8 th Galway symposium on Higher Education organized by the National University of Ireland, Galway, Jun 11, 2010 |
| 15. | Dajani, R. “Drama in Biology” Pecha Kucha talk at the “Creative Thinking, Reimagining the University” 8 th Galway symposium on Higher Education organized by the National University of Ireland, Galway, Jun 11, 2010 |
| 16. | Dajani, R. “Islam and evolution” talk at the fourth scientific research conference, Landmark Hotel Amman, Jordan, Nov 7, 2009 |
| 17. | Dajani, R. “Stem cell ethics in Jordan” talk at the fourth scientific research conference, Landmark Hotel Amman, Jordan, Nov 7, 2009 |
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| 19. | Dajani, R. Problem Based Learning: a Path to Leadership Development. Implementation problems and solutions , round table discussion at Global Women Leaders Conference, Dubai, UAE, Mar 10-12, 2008 |
| 20. | Dajani, R. Community Awareness Project presentation at Global Women Leaders Conference, Dubai, UAE, Mar 10-12, 2008 |
| 21. | Dajani, R , Salih Sanlioglu, Yulong Zhang, Martha M. Monick, Eric Lazartigues, Timothy Egelston, Robin L. Davisson, Gary W. Hunninghake and John F. Engelhardt. “Pleiotropic functions of TNFalpha determine Ikkbeta –dependent hepatocellular fates in response to LPS” (Poster # 10-09P) 6 th International Cytokine Conference 2006, Austria, 2006 |
| 22. | Dajani R , Zhang Y, Taft P, Travis S, Welsh MJ, and Engelhardt JF. “Direct Evidence for antibacterial Function of Submucosal Gland-derived Lysozyme in Proximal Airways” College of Medicine/College of Public Health/VA Medical Center Research Week, Abstract #63, Mar 30, 2004 |
| 23. | Dajani R , Zhang Y, Taft P, Travis S, Welsh MJ, and Engelhardt JF. “Direct Evidence for antibacterial Function of Submucosal Gland-derived Lysozyme in Proximal Airways” 6 th Annual Student Health Interdisciplinary Poster Session, 2004 |
| 25. | Dajani R , Zhang Y, Taft P, Travis S, Welsh MJ, and Engelhardt JF. “Direct Evidence for antibacterial Function of Submucosal Gland-derived Lysozyme in Proximal Airways” 17 th Annual North American Cystic Fibrosis Conference, Abstract #253 and oral presentation session W15, Talk and poster at the North American Cystic fibrosis conference, 2003 |

Presentations

Dajani R A research life 6th pharmacy student workshop for scientific research Sep 3 2018

Dajani R “Why I teach evolution to Muslim Students” Distinguishing Science and Metaphysics in Evolution and Religion Workshop, Lorentz Center, Leiden University, The Netherlands Aug 29, 2018

Dajani R Lessons learnt from an impact evaluation conducted with conflict-affected adolescents: Lollipops, manicures and ownership **Panel** What have we learned about adapting research methodologies for use in humanitarian crisis contexts? **International Humanitarian Studies Association Conference, The Hague, The Netherlands Aug 28, 2018**

Dajani R From Genes to behavior to the soul: What are we? Phi research and innovation Summit Aug 17 2018

Dajani R Panel Discussion: opportunities that accelerate change research and innovation Summit Aug 18 2018

Dajani R Be now all is chaos Randomness and providence Ohrid Macedonia June 19, 2018

Dajani R Gender summit King’s college London June 17-18, 2018

Dajani R women mentoring NYU, June 8, 2018

Dajani R We Love Reading NYU, June 8, 2018

Dajani R Bahrain Arabian Gulf university for Stem cell law regulations May 6 2018

Dajani R We Love Reading Iowa city public Library, Iowa city IA April 28

Dajani R Five Scarves: Doing the impossible, GWISE University of Iowa Iowa city IA April 27

Dajani R Genetics of Diabetes Carver college of medicine U of Iowa Iowa city IA April 26

Dajani R Refugee Panel Yale Arab Student Association, Yale University April 21, 2018

Dajani R Five scarves lecture at MIT history of middle east April 20, 2018

Dajani R We Love Reading FXB April 18, 2018

Dajani R MIT Sci tech, MIT, Cambridge April 14, 2018

Dajani R Panel on Islamic feminism Harvard Islamic student society April 14, 2018

Dajani R Five Scarves Interfaith group Urbana Champaign, IL March 31, 2018

Dajani R Noor organization Urbana Champaign, IL March 30, 2018

Dajani R We Love Reading College of Education University of Illinois Urbana Champaign March 30, 2018

Dajani R We Love Reading World Literacy Summit University of Oxford, Oxford UK March 27, 2018

Dajani R five scarves: Doing the impossible Brown University March 12, 2018

Dajani R Empowering women in the Middle East to be Entrepreneurs a talk as part of the women and health seminar series at the department of global health and population Harvard School of public health March 5, 2018

Dajani R Lessons from Life ISYEC AGU, Kayseri, Turkey Feb 26 –Mar 1 2018

Dajani R. We Love Reading, the Journey, IDEO Cambridge, Feb 15, 2018

Dajani R. Genetic Risk Factors of Diabetes in Ethnic Populations in Jordan Genomics and systems VIII conference, NYUAD, UAE, Feb 6-8, 2018

Dajani R. Evolution and Islam, Discourses in Madrasa, Contending Modernity, University of Notre Dame, College of Islamic Studies Doha, Qatar, Dec 25-31, 2017

Dajani R. Gender Summit Platform for the Arab World, speaker, moderator, and organizer, World Science Forum, Nov 10, 2017

Dajani R. Science and Culture in the Muslim World: An Education Perspective, Task force for Science and culture workshop, World Science Forum, Nov 9, 2017

Dajani R. 21st Century interdisciplinary science & technologies, speaker and moderator, World Science Forum, Nov 8, 2017

Dajani R. We Love Reading Innovation in Urban Refugee Child Protection, UNHCR Innovation Webinar, Nov 2, 2017

Dajani R. Five scarves, Radcliffe Institute for Advanced Study at Harvard university Cambridge, MA, USA, Nov 1, 2017

Dajani R. Science, Policy and Society Session, 10th international conference on women leaders in science, technology, and engineering, Kuwait, Oct 23-25 2017

Dajani R. “If we can reverse cell fate, why can’t we redefine success?” Women in Science, Medicine,

Dajani R. “Innovations in psychological intervention treatment delivery for children or adolescents impaired by emotional distress” Mental health and psychosocial support (MHPSS) research in humanitarian settings: WHO-ELHRA meeting, Avenue Appia, Geneva, Oct 2-3 2017

Dajani R. Closing panel. **“Promising practices in refugee education”** UNGA, New York, USA, Sep 22, 2017

Dajani R. “Participatory Approaches: We Love Reading. Promising practices in refugee education” UNGA, New York, USA, Sep 22, 2017

Dajani R. Panel discussion: UNESCO Paris, France, Sep 8, 2017

Dajani R. “Evolution and Islam” Jadal, Amman, Jordan, Aug 8, 2017

Dajani R. “Cytokine and intrinsic asthma” Amman, Jordan Aug 24-26, 2017

Kristin Hadfield, Mark Eggerman, **Rana Dajani**, Catherine Panter-Brick, & Michael Ungar, **Adversity, resilience, and mental health trajectories in Syrian refugee and Jordanian host-community youth**, A talk at Pathways to Resilience IV conference, Cape Town, South Africa, Jun 15, 2017

Dajani R. We Love Reading Early childhood development symposium and conference, Belfast, Northern Ireland, May 29-31, 2017

Dajani R. “Mentoring network” Webinar 500 women, May 9, 2017

Dajani R. “How to write a proposal” AJWA Tafila and MAAn Nniversity, May 6, 2017

Dajani R. “How to write a proposal” AJWA Zaytuna University April 27, 2017

Dajani R. “Bioinformatics the new equalizer” NITT, University of Jordan, Apr 25, 2017

Amelia Sancilio, Kyle Wiley, **Rana Dajani**, Stan Van Umm, Abdelbaset Elzagallaai, Michael Rieder and Catherine Panter-Brick, **Trauma exposure and hair cortisol in youth affected by the Syrian crisis**, The annual conference of the Human Biology Association, New Orleans, USA, Apr 19, 2017.

Dajani R. “Networking and communication,” AJWA Hashemite University, Apr 12, 2017

Dajani R. “What is success? Women in business,” PSUT, Amman, Jordan, Apr 11, 2017

Dajani R. “The journey,” Jordan Model Parliament Kings Academy, Amman, Jordan, Apr 8, 2017

Dajani R. “Why reading aloud?” JOBBY, Amman, Jordan, Apr 8, 2017

Catherine Panter-Brick, Mark Eggerman, Yale University; Jane MacPhail, **Rana Dajani**, **Stress and Resilience: Evaluating interventions with Syrian refugee youth**, talk at 2017 SRCD Biennial Meeting, Austin, Texas, USA, Apr 6-8, 2017

Dajani R. Education panel, Zinc, Amman, Jordan, Apr 2 2017

Mulligan C, Clukay C, Quinlan J, **Dajani R** Hamadmad D, Abudayyeh G, Panter-Brick C, **Genetics of risk and resilience in Syrian refugee youth**, talk at Symposium: Collaborations across anthropology and genetics: Examples of transdisciplinary, Apr 2017

Dajani R. Panel discussion: “**The Way Forward, Women Empowerment Socioeconomic**” Closing Session Amman, Jordan Mar 30-31 2017

Dajani R. “**Women in Science, Women Empowerment Socioeconomic**” Amman, Jordan, Mar 30-31 2017

Dajani R. “**Women in Science: The story of my journey,**” Cairo, Egypt, Mar 21-23, 2017

Dajani R. “**We Love Reading: Global reporting institute on Early childhood and brain development,**” Dart Center, University of Columbia, New York, NY, USA, Mar 9-11, 2017

Dajani R. Equality first Masters tea Morse College, Yale University, New Haven, CT, USA Feb 22, 2017

Dajani R. panelist at Social innovation and Humanitarian Responses *Program on Refugees, Forced Displacement and Humanitarian Responses, The MacMillan Center, Yale University, New Haven, CT, USA, Feb 22, 2017*

Dajani R. Circle three mentoring: The gathering Diaspora meeting AAAS 2017, Boston, USA, Feb 17, 2017

Dajani R. Circles of Mentoring Pathways to Professional and Personal Growth AAAS 2017 Boston, USA, Feb 17, 2017

Dajani R. et al “**Circles of Mentoring: Pathways to Professional and Personal Growth**” AAAS 2017, Boston, Massachusetts, USA, Feb 16–20, 2017

Dajani R. The role of diaspora networks in achieving the Sustainable Development Goals: Local Engagement Networks of Diasporas in Engineering and Science (NODES) Forum (moderator), AAAS 2017, Boston, Massachusetts, Feb 16, 2017

Dajani, R. **Women in Science**, Cairo, 2017

Dajani R. “**Stem cell, Monet, recycled waste, evolution and nonsense**” workshop at AINAC 2016 annual conference, Amman, Jordan, Dec 22-23, 2016

Dajani R. “**Dare to dream big**” A talk at Hikma Pharmaceuticals, Amman, Jordan, Dec 15, 2016

Dajani R. “**Islam and Biological Evolution: A big dilemma?**” Mahara student Association, University of Antwerp, Antwerp, Belgium, Dec 9, 2016

Dajani R. **Three Parents Babies** Faculty of medicine, Yarmouk University Irbid, Jordan, Nov 24, 2016

Dajani R. **The Story of We Love Reading** University of Jordan Language Center, Amman Jordan, Nov 23, 2016

J. Li, **R. Dajani**, Z. Wei, Y. Khader, N. Hakooz. Fatahlah, M. El-Khateeb, A. Arafat, T. Saleh, A. Dajani, Z. Al-Abbadi, M. Abdul Qader A. Shiyab, H. Hakonarson, **Genome-wide association study identifies new type 2 diabetes risk loci in Jordan subpopulations**, poster at 66th annual meeting of American society for human genetics, Vancouver, Canada, Oct 18 -22 2016

Dajani R. **Evolution and Islam** Polytechnic college, Amman, Jordan, Oct 16, 2016

Dajani R. **My story** Thomson Reuter journalist workshop on women, Amman, Jordan, Sep 25, 2016

Dajani R. “**A research partnership evaluating program efficacy on stress and cognition among adolescent Syrian refugees in Jordan**”, Adolescence, Youth and Gender” Building Knowledge for Change,

Lady Margaret Hall, University of Oxford, UK, Sep 8-9 2016

Dajani R. “My Story” Kaisen Teens, Ajloun, Jordan, Aug 27, 2016

Dajani R. “Stories” ZINC, Aug 18, 2016

Dajani R. “Can I?” IEEE, Yarmouk University, Irbid Jordan, Jul 23, 2016

Dajani R. “My stories... Reflections from a Muslim Female Scientist” European Islamophobia Summit Sarajevo, Bosnia, Jun 26, 2016

Dajani R. “Ogni terra ha il suo talento” (Every place has its talents) Nuvola Rosa (Pink Cloud) Microsoft, Italy, May 11, 2016

Dajani R. “CRISPR” IEEE conference, Yarmouk University, Irbid Jordan, May 8, 2016

Dajani R. “Evolution stories.. How do they end?” International Islam and Science Seminar: Muslim perspectives on Science’s big questions, Royal Scientific society, UN – ESCWA Technology Center, Amman, Jordan, May 5, 2016

Dajani R. Girls Hasad School, Amman, Jordan, Mar 31, 2016

Dajani R. “The magic of reading aloud” The Big Bang ADI conference, Bologna, Italy, Feb 26-27, 2016

Dajani R. “Leading Voices of Science from the Global South” Panel Discussion USAID, Washington, USA, Tuesday Feb 9, 2016

Dajani R. “ Three circles of Alemat” PEER awardee AAAS, NAS and NSF meeting, Washington DC, USA, Feb 8, 2016

Dajani R. “Evolution stories...How do they end?” Science and society EMBL, Grenoble, France, Jan 29, 2016

Dajani R. Evolution and Islam Science and philosophy, Workshop Phi institution, Amman, Jordan, Jan 21, 2016

Dajani R. Science and Society: The journey of discovery, Science and philosophy, Workshop Phi institution, Amman, Jordan, Jan 21, 2016

Dajani R. Biology and Theology Workshop on Modern philosophy and its relation to modern science and Kalam research and Media, Amman, Jordan, Jan 4-10, 2016

Dajani, R. Three Circles of Alemat presentation, NSF NAS, 2016

Dajani, R. Three Circles of Alemat presentation, USAID, 2016

Dajani R. “What is success?” Pharmacy faculty University of Jordan, Amman, Jordan, Dec 22, 2015

Dajani R. Reading aloud in the classroom Teachers education forum QRTA, Dead Sea, Jordan, Dec 6, 2015

Dajani R. Service learning Teachers education forum QRTA, Dead Sea, Jordan, Dec 6, 2015

Dajani R. “Critical View of Muslim’s Perception on Human Evolution Theory”, “Intellectual Discourse on Islam and Science (IDEAS 2015),” Kuala Lumpur, Malaysia, Nov 19, 2015

Dajani R. “Can we redefine success?” Amman Ahleya University, Amman, Jordan, Nov 24, 2015

Dajani R. “A Library in every neighbourhood” talk at the Global education conference, Nov 18, 2015

Dajani R. Panel: Education for Refugees - Bring Hope for Every Child Harvard Arab Weekend, Harvard University, Boston, USA, Nov 7, 2015

Dajani R. Thematic session: “How to enable science through parliamentary governance” World Science Forum, Budapest, Hungary, Nov 5, 2015

Dajani R. Plenary session: “Science engagement: communicating with Society” World Science Forum, Budapest, Hungary, Nov 5, 2015

Dajani R. “We Love Reading” Brilliant minds, Madrid, Spain, Oct 15- 16, 2015

Dajani R. “What is success?” Global tech Jordan girls Bacaluerte School, Amman, Jordan, Oct 10, 2015

Dajani R. “What is mentoring?” PEER meeting Second Circle of Aemat, Amman, Jordan, Oct 3-4, 2015

Amelia Sancillio, **Rana Dajani** Mark Eggerman et al. OR.19, **Do stress biomarkers track poverty, stress and trauma? Evaluating war affected youth**, Abstract in “Human biology of poverty,” talk at Symposium of the society for the study of human biology, Lisbon, Portugal, Sept 2-5, 2015

Dajani R. “A New Spirit” Phi Scientific Research student conference Jubilee School, Amman, Jordan, Aug 15, 2015

Dajani R. “Doing the impossible: If we can reverse cell fate, why can’t we redefine success?” International Forum on Harnessing Women’s talents in Science, Technology and Innovation” UNESCO (ISTIC), Kuala Lumpur, Malaysia, May 26, 2015

Dajani R. “Doing the impossible: If we can reverse cell fate, why can’t we redefine success?” Microsoft The Pink Cloud: Science and Technology: Food for mind, Energy for the future, Milan Italy, May 19, 2015

Dajani R. “Future of science and emerging trends in the region” moderator, 1st Women in Science Symposium, PSUT, Amman, Jordan, May 18, 2015

Dajani R. “Evolution and Islam” Seminar Mouvement Anfass Démocratique, Morocco, May 15, 2015

Dajani R. “Evolution stories” 3rd international congress on evolution under scrutiny, Yildirm Beyzait University, Ankara, Turkey, May 7, 2015

Dajani R. speaker on panel on Basic Education Clinton Global Initiative Middle East and North Africa, Marrakesh, Morocco, May 5-7, 2015

Dajani R. Eng. Zainab Cox, PSUT WiS corner, Apr 26, 2015

Dajani R. “Success from the perspective of a Jordanian scientist” IFMSA women day, Amman, Jordan, Mar 26, 2015

Dajani R. “Success from the perspective of a Jordanian scientist” Tabadoul Online forum, Cambridge University, UK, Mar 19, 2015

Dajani R. Islam and Evolution no controversy St Edmunds College, Cambridge University, UK, Feb 19, 2015

Dajani R. “Islam and Evolution no controversy” lecture, the Muslim, Cambridge College, Feb 18, 2015

Dajani R. “Islam and Evolution, Is there controversy” Task force *Muslim responses to Science’s big questions* John Templeton Foundation, Istanbul, Turkey, Feb 14, 2015

Dajani R. “Biology meets Society” ReproSociety, Cambridge University, UK, Feb 4, 2015

Dajani R “A Library in Every Neighborhood,” Global education conference, Nov 18, 2015

Dajani R. Reading aloud spotlight talk, WISE 2014, Qatar, Nov 4-6, 2014

Dajani R. Women education leadership workshop, WISE 2014, Qatar, Nov 4-6, 2014

Dajani R. School workshop, WISE 2014, Qatar, Nov 4-6, 2014

Dajani R. SSRC Occasional Distinguished Lecture Series: “Success from the perspective of a Jordanian Women Scientist” MIT, Cambridge, MA, Oct 30, 2014

Dajani R. DISRUPT event, North Carolina Research Park, Oct 8, 2014

Dajani R. “Social responsibility of scientists” talk, JUST, Aug 17, 2014

Dajani R.” Islam, evolution and what does success mean to women scientists in the Middle East” talk, the center for Islam and Science at McGill University, Montreal, Canada, Sep 22, 2014

Dajani R. “The Butterfly Effect” talk, Arab Development Institute Conference, Montreal, Canada, Sep 20, 2014

Dajani R. “Education is not the filling of a pail but the lighting of a fire” seminar, Queen Rania Academy for Teachers, Sep 10, 2014

Dajani R. “Research and funding” talk, Mutah University, Aug 11, 2014

Dajani R. “Stem cell research” talk, University of Jordan, Jul 2014

Dajani R. “Induced Pluripotent stem cells” talk, Khartoum University, Sudan, Apr 29, 2014

Dajani R. “Islam and Evolution” talk at the Islam and Science workshop John Templeton Foundation, AUS Sharjah UAE, Apr 20, 2014

Dajani R. “Women, Islam and Science” talk at the Islam and Science workshop John Templeton Foundation, AUS Sharjah UAE, Apr 19, 2014

Dajani, R. “Stem cells the latest developments and challenges” talk at the Phi Society for students, Amman, Jordan, Apr 13, 2014

Dajani R. “Leadership” A talk at SHE, IEEE Jordan University chapter, Apr 13, 2014

Dajani R. “We Love Reading” Masters program in Global development Columbia University and Jordan University, March 17, 2014

Dajani R. “A female role model” Um Summaq school for girls, Jordan, Mar 16, 2014

Dajani R. “We Love Reading and Social Responsibility” business leaders campaign Injaz Al Amer Hasan,

UNRWA School for girls, Dec 26, 2013

Dajani R. “Reading” workshop at the Arab Innovation Network annual conference (AIN), Dead Sea, Jordan, Dec 7, 2013

Dajani R. “Islam and Evolution” talk at the Islam and Science workshop John Templeton Foundation, Malaysia, Dec 1, 2013.

Dajani R. “Anthropology, epidemiology and genetics of genetically isolated populations in Jordan” talk at the Higher Council for Science and Technology, Amman, Jordan, Nov 26, 2013

Dajani R. “Networking and research dissemination” seminar at the workshop IFMSA Research Workshop, Amman, Jordan, Nov 21, 2013

Dajani R. “A Library in Every Neighborhood” talk at the Global education conference, Nov 20, 2013

Dajani R. “Women network in academia” event at the Hashemite University, TEMPUS, Amman, Jordan, Nov 19, 2013

Dajani R. “The social responsibility of the scientist” talk at the Society for Islamic Studies, Amman, Jordan, Oct 5, 2013

Dajani, R. Women Mentoring, Synergos, Sep 30, 2013

Dajani, R. “Stem cells the latest developments and challenges” talk at the Society for Jordan Scientific Research, Amman, Jordan, Aug 30, 2013

Dajani, R. “Student-Centered Learning: A Path to a better economy” TEMPUS round table discussion, Zarqa University, Jun 24, 2013

Dajani, R. “Student-Centered Learning: A Path to Innovation in Education” TEMPUS seminar, Zarqa University, May 13, 2013

Dajani, R. “The Fulbright Application” talk at the American corner at Hashemite University on international women day, Amman, Jordan, Apr 23, 2013

Dajani, R. “Social Media in the Classroom” workshop at the Hashemite University TEMPUS, Amman, Jordan, Apr 14, 2013

Dajani, R. “Evolution and Islam” talk at the John Templeton Foundation Islam and Science workshop at the Hashemite University, Amman, Jordan, Mar 31- Apr 2, 2013

Dajani, R. “Women in Jordan” talk at the American corner at Hashemite University on international women day, Amman, Jordan, Mar 20, 2013

Dajani, R. “Innovation for economic development in IDB member countries, Sectoral innovation: Education” Concept Note Expert group meeting, Islamic Development Bank, Saudi Arabia, Feb 1-19, 2013

Dajani, R. “Education Challenges in the Middle East, The Path Forward: Sharing insights and Experiences” Council on Middle East Studies, Colloquium Series, Yale University, New Haven, CT, USA, Jan 23, 2013

Dajani, R. “Women Islam and Science” Williams College, MA, USA, Jan 21, 2013

Dajani, R. “We Love Reading: A community-based model to advance early childhood development in Jordan” The Edward Zigler Center on Child Development and Social Policy, Yale University, New Haven, CT, USA, Jan 18, 2013

Dajani, R. “Shaping tomorrow: Creating Leaders of the future” 8th World Islamic Economic Forum Johor Bahru, Malaysia, Dec 4-6, 2012

Dajani, R. “Life as Jordanian Female Scientist? Ask Dr. Rana Dajani, Ph.D” Women In Medicine (WIM) at the Yale School of Medicine, Yale University, New Haven, CT, USA, Nov 29, 2012

Dajani, R. “Gender Bias in the Sciences: A Panel Discussion” Panelist UWISAY and Women in Physics, Yale University, New Haven, CT, USA, Nov 8, 2012

Dajani, R. “Make a difference” Keynote speaker at Clase Education 2012, Mexico City, Mexico, Oct 29-30, 2012

Dajani, R. “Is there a clash between Islam and the theory of evolution?” The American Islamic Congress and Project Nur, Boston University, Boston, USA, Oct 24, 2012

Dajani, R. Natural Sciences council: Global gathering for love and forgiveness, The Fetzer Institute Assisi, Italy, Sep 19-23, 2012

Dajani, R. “Opening the Experts tool box for higher education reforms” putting Bucharest’s conclusions on track, the Experts Role Seminar for Bologna and Higher Education Reform Experts, Vilnius University, Lithuania, Jun 4-6, 2012

Muhammad I. Massadeh, Fatima M. Sabra, **Rana B. Dajani**, Alaa A. Arafat. “**Purification and characterization of lipase enzyme produced by *Bacillus stearothermophilus* HU1**” Proceedings of the International Conference on eco-system and Biological Science (ICEBS 2012), Penang, Malaysia, May 19-20, 2012

Dajani, R. “Implementing the love of reading in the classroom” Teachers conference, Queen Rania Teachers Academy, Amman, Jordan, May 5, 2012

Dajani, R. “ Student learning outcomes” talk, Hashemite University, Apr 30, 2012

Dajani, R. Women’s Learning Circle, Synergos, Apr 1, 2012

Dajani, R. “Ethics of stem cell research” talk at the IRB Training Workshop, MERETI program University of Maryland, Amman, Jordan, Mar 21, 2012

Dajani, R. “The Bologna Process: Student Learning Outcomes” talk at the German Jordan University, Mar 8, 2012

Dajani, R. Round square talk at Kings Academy, Amman, Jordan, Dec 15, 2011

Dajani, R. The butterfly effect talk at the second social entrepreneurship forum PSUT, Dec 24, 2011

Dajani, R. Service learning and Journalism seminar, Jordanian Media institute, Dec 19, 2011

Dajani R. Service learning workshop Training for Faculty TEMPUS Holiday Inn, Dec 1, 2011

Dajani R. Business leaders campaign Injaz Wehdat school for girls, Nov 30, 2011

Dajani, R. “Ethics of stem cell research” debate at the Jordanian Media institute, Nov 14, 2011

Dajani, R. "Ethics of stem cell research" talk at the Hashemite University workshop for research ethics, Oct 25, 2011

Dajani, R. "Ethics of stem cell research" talk at the Training the health academics in National Universities and health providers in MoH Concerning the Research methodology and Ethics, Jordan, Oct 22-24 2011

Dajani R. Polymorphisms of clotting factors in ethnic minorities in Jordan at first Arab-American Frontiers of Science, Engineering, and Medicine symposium, Kuwait, Oct 17-19, 2011

Dajani, R. "Simple Ideas, Big Results" third annual World Innovation Summit for Education (WISE), Doha, Qatar, Nov 1-3, 2011

Dajani, R. The world debate: Islam versus Science panelist on The world debate BBC world service Belief in Dialogue conference, American University of Sharjah, UAE, Jun 21-23, 2011

Dajani, R. "Islam and stem cell ethics" talk at the Belief in Dialogue conference, American University of Sharjah, UAE, Jun 21-23, 2011

Dajani, R. "Islam and Biology: no controversy" talk at the John Templeton Journalism Fellowships program Seminar in science and religion, University of Cambridge, UK, May 7, 2011

Dajani, R. "The Butterfly Effect" talk, TEDxDeadsea, Apr 30, 2011

Dajani, R. "The Butterfly Effect: Experience with TEMPUS" talk at Sixth Jordanian-European Higher Education Day, University of Jordan, Amman, Jordan, Dec 15, 2010

Dajani R. Business leaders campaign Injaz, Karak school for girls, Nov 30, 2010

Dajani, R. "Human embryonic stem cells" seminar at the IFMSA stem cell conference, Jordan University, Oct 21, 2010

Dajani, R. "Novel reading for novel learning" poster at the "Creative Thinking, Reimagining the University" 8th Galway symposium on Higher Education organized by the National University of Ireland, Galway, Jun 11, 2010

Dajani, R. "Drama in Biology" Pecha Kucha talk at the "Creative Thinking, Reimagining the University" 8th Galway symposium on Higher Education organized by the National University of Ireland, Galway, Jun 11, 2010

Dajani, R. "Is evolution a fact or a myth?" debate organized by the British council as part of the Darwin Now program, Jordan University, Mar 27, 2010

Dajani, R. "20 points to choose a school for my children" seminar presented at the second conference for private schools, Amman, Jordan, Mar 20, 2010

Dajani, R. "Islam and evolution" talk at the fourth scientific research conference, Landmark Hotel Amman, Jordan, Nov 7, 2009

Dajani, R. "Stem cell ethics in Jordan" talk at the fourth scientific research conference, Landmark Hotel Amman, Jordan, Nov 7, 2009

Dajani, R. "We love reading" speaker at the Peace Scholarship Program, Alumni event, Landmark Hotel Amman, Jordan, Oct 1, 2009

Dajani, R. and Mahasneh, R "Service learning in Jordan" talk at the 14th science conference

organized by the Higher Council of Science and Technology, Amman, Jordan, May 4, 2009

Dajani, R. Speaker at Seminar "**How Can We Make Children of Jordan Read More?**" organized by the Embassy of Sweden, The Children's Museum, Jordan, Apr 30, 2009

Dajani, R. member of panel "**Networking**" Women's Entrepreneurship development conference, Amman, Jordan, Apr 27-29, 2009

Dajani, R. member of panel "**Entrepreneurship: Walking the Extra Mile**" in the networking event by W@W supported by the British council, Amman, Jordan, Mar 17, 2009

Dajani, R. Women networking in academia, Jordan University, Dec 23, 2008

Dajani, R. Women networking event, Belle View Hotel, Oct 30, 2008

Dajani, R. Community Awareness Project, A presentation at the Global Women Leaders Conference, Dubai, UAE, Mar 10-12, 2008

Dajani, R. Problem Based Learning: a path to leadership development. Implementation problems and solutions, Round table discussion, Global Women leaders Conference, Dubai, UAE, Mar 10-12, 2008

Dajani, R. Salih Sanlioglu, Yulong Zhang, Martha M. Monick, Eric Lazartigues, Timothy Eggelston, Robin L. Davisson, Gary W. Hunninghake and John F. Engelhardt, **Pleiotropic functions of TNF α determine Ikk β –dependent hepatocellular fates in response to LPS**, poster at 6th International Cytokine Conference, Austria, 2006

Dajani R. Zhang Y, Taft P, Travis S, Welsh MJ, and Engelhardt JF, **Direct Evidence for antibacterial Function of Submucosal Gland-derived Lysozyme in Proximal Airways**, abstract presentation at College of Medicine/College of Public Health/VA Medical Center Research Week, March 30, 2004

Dajani R. Zhang Y, Taft P, Travis S, Welsh MJ, and Engelhardt JF, **Direct Evidence for antibacterial Function of Submucosal Gland-derived Lysozyme in Proximal Airways**, poster at 6th Annual Student Health Interdisciplinary Poster Session, 2004

Dajani R. Zhang Y, Taft P, Travis S, Welsh MJ, and Engelhardt JF, **Direct Evidence for antibacterial Function of Submucosal Gland-derived Lysozyme in Proximal Airways**, presented abstract #253 and oral presentation session at 17th Annual North American Cystic Fibrosis Conference, W15 Talk and poster at the North American Cystic fibrosis conference, 2003

Thesis

Dajani, Rana. "Innate Immune Responses in the Lung and Liver." PhD Molecular Biology, University of Iowa, 2005.

Thesis advisor for the following dissertations:

1. The prevalence of factor V (G1691A) and prothrombin (G20210A) mutations in the Circassian population in Jordan, Ala Arafat
2. Genetics polymorphisms CYP2C8 in the Chechan population in Jordan Nuha Tuba Sep 2017
3. Polymorphisms in pharmacogenomics in the Chechan population in Jordan Haneen Maqableh Sep 2017
4. Effect of war trauma on epigenetics in Syrian Refugee adolescence Manal Daas Sep 2017

Thesis committee member for the following dissertations:

1. Influence of genetic variations in enzyme CYP2C19 and the effect of the pharmacokinetic profile of Lansoprazole. Screening the allele frequencies of CYP2C19*1, CYP2C19*2 and CYP2C19*3 in Jordanian population. By Imad Abdule-Sami Y Zealous Degree in clinical Pharmacy/ Faculty of graduate studies/ Jordan University, July 2008
2. Association between the polymorphisms TYMS (1494 ins/del6) and MTR A2756G and the risk for breast cancer in Jordanian women by Montaser Al-Hakim Faculty Medical Laboratory Sciences/Faculty of Graduate Studies/Jordan University for Science and Technology July 2012
3. MTHFR genotype correlation with the toxicity of and response to methyltroxate in rheumatoid arthritis patients at Jordan University hospital by Mais Urabi Faculty of pharmacology faculty of graduate studies University of Jordan July 2012
4. The effect of polymorphisms in ERCC1 and ERCC2 genes on responses of osteosarcoma patients to cisplatin based chemotherapy by Hadeel Obeidat Faculty of pharmacology faculty of graduate studies University of Jordan May 2013
5. Investigating the role of few genetic polymorphisms of vitamin d binding protein (gc) and cytochrome p450 enzyme (cyp2r1) in determining vitamin d status among Jordanians" by Zeinab Lafi Faculty of pharmacology faculty of graduate studies University of Jordan Dec 2013
6. The Effect of chronic B2adrenergic agonist on PGC-1A and GLUT4 mRNA expression in skeletal muscles of mice by Nada Saleh Faculty of pharmacology faculty of graduate studies University of Jordan April 2014
7. The cross talk between Adenosine A2B receptor and insulin signaling in rat skeletal muscle cells by Suna Habahbeh Faculty of pharmacology faculty of graduate studies University of Jordan August 2015
8. Gene Expression alterations in imatinib resistant K562 Chronic myeloid leukemia Cell line by Mai Naser Faculty of pharmacology faculty of graduate studies University of Jordan August 2015
9. Do A2B receptors effect gene expression of Il-6 and NUR1-3? Sana Shaukat Faculty of pharmacology faculty of graduate studies University of Jordan Jan 4 2016
10. Pharmacogenetics characteristics of cardiovascular dissuade patients with warfarin Aya AlMasri M.Sc. in Biotechnology and Genetic Engineering, JUST Jan 14, 2016
11. Regulation of *LET-7* micro RNA molecules by dihydrotestosterone in breast cancer Razan Al Saber Department of Biology, faculty of graduate studies University of Jordan April 28, 2016
12. THE CROSS-TALK BETWEEN ALPHA 2 ADRENERGIC RECEPTOR AND INSULIN SIGNALLING IN RAT SKELETAL MUSCLE CELLS Wajd Amly Malek Zuuf Faculty of pharmacology faculty of graduate studies University of Jordan May 4, 2016
13. Association of single nucleotide polymorphisms in *DRD2*, *COMT* and *HTR2A* genes with schizophrenia in Jordan Wala Al-Refai JUST Aug 2016
14. TPMT genotypes and adverse effects of azathioprine among Jordanian group. Mohammad Muhanna, University of Jordan Dec 22, 2016
15. CYP3A5 and CYP3A4 genotyping influence on dosing and clinical response cyclosporine among Jordan kidney transplant patients Sahar ElShair Master degree of pharmacology university of Jordan March 2017
16. The fate of egg white proteins in the fertilized eggs of *Columbia livia domestica* (peigeon) Ebtisam Master Biology Hashtemit eUnviersity March 2017
17. INVESTIGATION ON THE CYTOGENETIC EFFECTS OF PSYCHOTIC DRUGS: WHAT ARE WE MISSING? Isra Othman Omari JUST May 2017
18. EFFECTS OF THERMAL MANIPULATION DURING BROILER CHICKEN EMBRYOGENESIS ON THE FUNCTION OF IMMUNE SYSTEM IN TWO BROILER STRAINS IN JORDAN Khaled Musa JUST July 2018
19. Gene expression profiling of warts caused by human papillomavirus in a Jordanian population Amneh Tarkhan JUST August 11, 2018

In other publications

| | |
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| 1. | “A Jordanian biologist redefines success for women in science” Nature 2018 Volume 560 Page 164 |
| 2. | “A fresh look at gender equality” Nature Asia doi:10.1038/nmiddleeast.2018.64 |
| 3. | The Lancet 2014 Volume 384 (9940) page 299 |
| 4. | Leadbeater C, On the Brink of Opportunity: 10 Ideas for Learning in Pakistan, Alif Ailaan, 2014 |
| 5. | Social Entrepreneurs (Actions and Insights-Middle East North Africa) by Melodena Balakrishnana 2017 |
| 6. | Leadbeater, Charles. <i>Innovation in Education: Lessons from Pioneers around the World</i> . Doha: Bloomsbury Qatar Foundation Pub, 2012. |

Skills

Technical: Microsoft Word, Excel, and Power Point, SPSS Statistic
Language: English and Arabic, native reading, writing, and speaking abilities

References

Academia

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Narrative Report

To strive and pursue the realization of an international community suitable in all aspects i.e. health, social environmental etc. for future generations. I am specifically interested in raising the health, educational and social status of women and children in the world. By conducting studies and participating in planning, implementing and actually carrying out polices intended to achieve such goals, I hope to help in shaping our future world.

My Teaching Philosophy

My teaching philosophy stems from my experience as a student, which I still am. The teaching process to me is an equal contribution by both teacher and student "both are learning from each other" as Paulo Freire says in his book Pedagogy of the oppressed.. The teacher only serves to guide the student so that she/he can make their own observations, draw their own conclusions and analysis. I also see a teacher as a mentor. In my opinion, both roles are integrated and indistinguishable. A mentor who is genuinely concerned listens to her students, because listening helps the person talking to understand herself and put things in perspective and one can only talk to someone he or she trusts and who will listen without judgment. An important characteristic of a mentor is honesty in advising the student of the possibilities and facts. A teacher is the person who will tell you the truth no matter how difficult it is to help you overcome and face reality and go on. This would help the student proceed in life knowing what to expect. Also a mentor believes in her/his student, never belittles her/him or her/his ideas and always encourages anything the student may come up with. That is the fertile ground for serendipity and creativity. The fact that the student knows that someone believes in her will help her develop to her full potential and more. My motto is encouragement and to never think that a student is a lost case. Just like

Esme codell, a first grade teacher said: “It is not that you don’t like to read, you have just not found the book you like”. Similarly, never say a student is helpless, you have just not found the way to him/her. Using a variety of techniques including auditory and visual etc. to stimulate all methods of input. I believe no student is hopeless, It is the teacher who fails. The responsibility on the teacher’s shoulders is great, for she is helping prepare the next generation. The most important product of humanity, our children, are being formed and molded by our teachers. The teachers therefore must be the best.

Drama in Biology

A picture is worth a thousand words. An animation is worth a thousand pictures. Acting is worth a thousand animations. Allowing the students to act out a biological mechanism increases their comprehension of the mechanism. Involving them personally in a three dimensional world allows them to think of the mechanism from the perspective of the molecule they are playing in the context of neighbouring molecules in the milieu of the cell. They can now understand the limitations, the challenges, the potentials and the beauty of the biological mechanisms. This allows the students to unleash their imagination and creativity which will allow them to explore and come up with novel mechanisms or solutions to old problems.

In addition to learning life lessons that apply to our community from cellular mechanisms that are all the more clear when acted out.

Drama examples include:

A. Short acts: Student groups acting in front of the class

1. Cilia movement
2. DNA replication
3. DNA transcription

B. Plays: Full plays with script and actors

1. Receptor mediated endocytosis
2. DNA replication

Novel reading as a novel method of teaching

In many cases, students may not be interested in the courses they take because they are obligatory and/or may not be related to their major.

In order to pique their interest, one may assign a novel that revolves around concepts taught in the course.

The idea is that when the student reads the novel he or she becomes interested in the material of the course and hence wants to learn more to understand the novel.

The reading levels of students is low. Assigning a novel to be read as part of the course requirements will help increase reading levels of students.

The assignment would include in addition to reading; questions pertaining to content, opinion of reader in terms of characters, future of the theme, etc. This will allow the students to comprehend how the information they take in the course has a real world application or effect. Hence, tying their education to the real world which will help them develop better skills for tackling the real world and becoming therefore better citizens.

Example

Course Molecular Biology

Novel: Darwin's radio by Greg Bear

Novel material covers the basic concepts of molecular biology and techniques. It also covers the ethics of the application of molecular biology to real life situations.

Usage of debate in teaching

We perform debates between students as a method of teaching and development of personality

Journalism:

Media in many cases reports scientific news that is not always true or correct. The objective of this activity is for students to identify a piece of scientific news in the media (TV, radio or newspaper). The students then check out the information reported for accuracy and truth. Students then write a letter to the news media that published the news outlining the defect in the news reported and adding a note about the importance of truthful reporting and the effect of inaccurate information on the people who access the news and the responsibility of the journalist towards his/her profession, the subject at matter and the people.

Gamification: Creating games to learn. Learning by creating the game Serving by creating a fun game for others to learn about cell biology

Wikipedia in teaching: Students contribute to increasing the Arabic content online for learners. Each student has to research a topic related to the course and write it in Arabic and post on wikipedia

Community awareness project

The aim of this project is the development of individuals to become responsible active participants in society. The project aims to develop confidence and leadership qualities in the students. These aspects are very important components of the student's university education. When students are exposed to the application of their knowledge they feel that they can make a difference and change the wrong things they see around them. This nurtures their feeling of responsibility towards the community and that they should do something. We have achieved these goals by teaching students to identify problems in their environment, analyse the problem, create a plan to attempt to solve the problem and carry out the proposed plan. Students are required to keep a journal of the application of the plan which should include examples, narrations, good and bad experiences. At the end of the project students shared their experiences. This gave the students the chance to evaluate and criticize their plans after carrying them out. The study group was a class of 60 students ranging between second and third year undergraduate level. Duration of the project was 2 months. The problems identified were diverse and reflected the students' level of awareness of the problems in the community. Problems identified included: smoking, littering, drugs and respect of others, etc.. Plans were diverse some were in the form of distributing advice while others took a more active role by actually being the change itself. Some applied their plan to their immediate families while others applied their plan to a wider circle of the community. In conclusion, the project was a success in achieving its goals. Students displayed an enthusiasm and awareness of their capabilities in eliciting change in their community; true leadership qualities.

Recycled Science Art

Jordan is an emerging and stable economy in the Middle East. The growing industrialization and high population growth rate has led to rapid increase in solid waste generation in the country which has, in turn, put increasing pressure in waste management infrastructure. Around 2 million tons of municipal waste is generated in Jordan each year with most of it diverted to unsanitary landfills and dumpsites. Improper solid waste disposal is leading to public health risks, adverse environmental impacts as well as socio-economic problems.

Such an initiative achieves many objectives at the same time 1. Recycle the waste: Science labs are the most wasteful in terms of plastic 2. Create art: Scientists are always considered too dry, only using one side of their brain and there are always efforts to encourage them to use the other half of their brain and to put them in a more humane image 3. Explain science to others in a fun artistic way. We are always trying to encourage students to go into science.

Problem based learning (PBL):

Initiated teaching using PBL at the Hashemite University personally and at the level of the institution by preparing seminars and workshops for faculty in coordination with the center for academic excellence.

Service Learning:

Pursuing avenues for setting up a service learning centre within the center for academic excellence at the Hashemite University in collaboration with service learning centers in Europe. Service-learning combines service objectives with learning objectives with the intent that the activity change both the recipient and the provider of the service. This is accomplished by combining service tasks with structured opportunities that link the task to self-reflection, self-discovery, and the acquisition and comprehension of values, skills, and knowledge content

Received a grant of 880000 EU from TEMPUS IV for a service learning center in Jordan 2009 titled:

We love reading Initiative

www.weloveread.org

Statement of Purpose

Reading is essential to the development of a child's personality, imagination, brain and communication skills. Children must learn to love and enjoy reading to reap its benefits. In order to plant the love of reading in children one must start at an early age. Children will realize that reading is exciting and inspiring and that it opens new horizons and helps them respect and understand others. There is no child who does not like to read. He or she has just not met the right book, similar to finding the right friend.

Children of the Arab world and Jordan in particular are not readers for many reasons. My goal is to create a generation of children that love, enjoy and respect books. Through a series of activities aimed at different sectors of the community I aim to achieve this goal.

"We Love Reading" exists to positively impact children throughout Jordan by creating a library in local neighborhoods, thereby actively encouraging each community to share in the experience of storytelling, and creating a life-long enthusiasm for each child to read and acquire knowledge.

Vision

A society that loves to read at any time and place

Motto

A library in every neighborhood

Mission

Establishing a library in every neighborhood in the Arab world by training individuals from the neighborhood to read out loud to the children 4-10 years old, reading material that is appropriate for their age. And organizing these storytellers in a network for sustainability.

Goals and Objectives:

1. Spread awareness among parents about the importance and benefits of reading .
2. Foster the love of reading among children at a young age.
3. Shift the way society in Jordan perceives reading and their investment in it.
4. Train more groups of storytellers in different neighborhoods in different provinces in Jordan.
5. Establish more "We Love Reading" libraries and storytelling sessions in neighborhoods across Jordan.
6. Creating a solid and growing storytellers network.
7. Spreading the idea and message of "We Love Reading" to reach over 10,000 individuals through TV, radio, newspaper and other media venues.
8. Establish more collaborations and connections with organizations abroad.
9. Build a growing collection and choices of children stories in the Arabic language.
10. Help shape the future and minds of young children and expand their creativity and horizon.

Jordan women scientists network and women social entrepreneur network

Objective: To provide a network of communication between academic, entrepreneurial and intellectual women in Jordan. This network will facilitate collaboration, team work and social support. This network will help make women better equipped and prepared to be social developers and mentors for the young youth.

Vision: To support, encourage, sustain, advise and mentor all women in academia so that they may attain the maximum of their potential with the least hardship and sacrifice.

Mission: To provide a network support for women in academia/social entrepreneurs to fulfill the following objectives:

1. dissemination of information and knowledge
2. facilitate collaboration and team work
3. social support
4. research development

5. mentoring
6. communication
7. scientific support in terms of publications