

# Resume (1) مرفق

**Date Prepared:** January.1.19

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**Place of Birth:** Dhahran, 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
2010-	Founder and President	We Love Reading, Taghyeer (NGO)

### **Other Professional Positions**

Jun 2015- 2013-	Consultant Member	Alpha Sights UN Women Jordan Advisory Council
2011-2014	Higher Education Reform Expert	TEMPUS Jordan
2011-2013	Consultant	DQS UL Jordan
2011-	Consultant	Epic Education
2011-	Free Lance Journalist	Various
Dec 2009-	Consultant	Triangle Research Group
2009-	Trainer	We Love Reading
2000-2005	Research Assistant	University of Iowa

### **Other Services**

#### **Consultations and Committees**

March 2019	Member	Regional Experts Meeting on women and development in Arab societies, Alexandria Library, Egypt
March 2019-	Member	Advisory Board for Mustafa Prize Foundation
March 2019	Member	Women Advisory committee for Mustafa Prize Foundation
Jan 2019- Dec 2018-12-13	Judge Judge	Nature Inspiring Award Innovation lab IRC
Dec 2018 Sep 2018	Judge Member	The Hult prize Hashemite University Centre for Arab Genomic Studies (CAGS) Council
Sep 2018	Consultant	Georgetown University center for International and Regional studies
August 2018	Consultant	Radcliffe Natural Science 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
2013	Member	Collaboration with TEMPUS and Hashemite University First Women Mentoring for social entrepreneurs 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 children)
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**

**January 2019 Corganizer for the 8<sup>th</sup> Pan Arab Human Genetics Conference (PAHGC) 2020**

October 2018 Middle East Molecular Biology Congress co-organizer, Amman Jordan  
 August 2018 Conference on Bridging Research and Practice successfully, Amman 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  
 Sep 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 TEDx Hashemite University women Conference Coordinator  
 Oct 2015 Second Circle of Alema PEER Project Conference coordinator,  
 2015 Women’s Circle, Synergos, Participant  
 May 2014 Seventh Scientific Research Conference (Stem Cell Sector) Co-organizer  
 Feb 2014 We Love Reading. Conference Organizer  
 2013 Women’s Circle at WISE, Participant  
 2012 Women’s Circle, Synergos, Participant

Nov 2013 Women mentoring meeting TEMPUS and Hashemite University, Conference Coordinator  
 Feb 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 TEDx Hashemite 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 student’s 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

Harvard or Hashemite University Nov 18, 2018  
Research and entrepreneurship IEEE, Nov 15, 2018  
Reading for Pleasure, Main Library Nov 14, 2018  
Epigenetics of trauma Oct 23, 2018  
The butterfly effect the American corner Feb 7, 2017  
Circassian and Chechen 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

OWSD: organization for women in science in developing countries  
International Humanitarian Studies Association  
The Business and Professional Women Association- Amman BPWA- “Inspiring Young Women to Join The Workforce,” 2017  
Senior Member of SASTA, 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

Jan 2013-  
Sep 2013-

Editor  
Associate Editor

Frontiers in Immunology  
Meta Gene

### **Reviewing Activities**

2018-	Pyscoheuroendocrinology
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**

- Arab Science and Technology Foundation 2019 Award in service of the advancement of science and technology
- 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 Alemat," 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
- Order of Al Hussein for Distinguished Contributions of the Second Class. Granted to "those who have made distinguished contributions to society" 2014

- 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 book
- 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 micro fund
5. International partners: Mercy Corps, International reading association
6. 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
7. Developed 20 books about disabilities, non-violence, refugees, social cohesion, gender
8. 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](http://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 9001 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 INTERESTS AND GRANTS**

- 2019- 2020 Effects of early childhood trauma on the development of healthy interpersonal skills Waterloo  
Foundation Co PI
- 2018-2020 Negotiating Relationships and Redefining Traditions: Syrian and Iraqi Women Refugees in  
Jordan Award Reference: SDP2\100227 Co PI £282,568.39
- 2018-2019 Local Community Experiences of and Responses to Conflict Induced Displacement from Syria:  
Views from Lebanon, Jordan and Turkey)  
*AHRC-ESRC Project: AH/P005438/1*  
*This study has been approved by the UCL Research Ethics Committee (Project ID): 9813/001*

2018- Comparing circassian and Chechen 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, Funded by 101,085 USD from MEPI grant

2016-2018 Randomness and Providence  
Collaborator Kelly Clark  
Funded by John Templeton Foundation

2016-2018 Quality management systems, Received a grant from FHC360/USAID PI, 50,000 JD

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,

2015-2019 Effect of We Love Reading program on reading with comprehension in children in Jordan, RAMP/RTI  
PI  
Funded by \$2,000,000 USD from USAID

2015-2018 Epigenetics of trauma and youth student exchange, research with Harvard University Public Health Professor Bernardo Lemos

2015-2017 Effect of We Love Reading program on reading attitudes of children and parents attitudes toward reading and school  
PI  
Funded by 1,500,000 USD from UNICEF

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  
Funded by 295,131 Pounds from Wellcome Trust R2HC

2015-2017 Mobility grant Erasmus plus with Vilnius University, Lithuania

2015-2016 Reading and Empathy  
PI, Funded by 65,000 USD from Fetzer Institute

2015- Epigenetics’ of transgenerational trauma in three Syrian cohorts, co PI, Yale University, Hashemite University, Florida University

2014 -2016 US Embassy grant for JPAL/MIT workshop, 10,000 USD

2013- Identification of Genes of complex diseases in contiguous families using genomics and exome sequencing  
Collaboration with Richard Lifton, PhD, Genetics department, Yale University

2015 Quality Management Systems  
PI, Funded by grant of 15,000 JD from FHC360/USAID

2015 US embassy grant public office Mafraq library, PI, 6,500 JD

2014 Psychosocial status of women in the We Love Reading Program, Yale University

2014- 2017 Received a grant from LitWorld, PI, 13,000 USD 2014 and 20,000 USD

- 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 165,000 USD
- 2014 – 2015 Received a grant from Fetzer Institute, PI, 45,000 USD
- 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  
PI, Funded by 150,000 USD from Ecodit/USAID
- 2012-2013 A library in every neighborhood Received a grant from Middle Eastern partnership initiative (MEPI), PI, 75,000\$
- 2011-2013 Polymorphisms of Clotting factors in genetically isolated populations in Jordan, funded by 3285 JD from Hashemite University
- 2011-2012 Creating stories for children from US literature Received grant from the USA public affairs section, 13,500 USD,
- 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 (Chechens) 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**

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**

2018	Course development cancer care infomratics
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

### **Formal Teaching of Peers**

2016-	Mentoring within three circles of aemat 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
Mar 2011-	We Love Reading Trainer

### **Report of Scholarship**

#### **Peer Reviewed Scientific Publications in Print or Other Media**

1.	Laith Al-Eitan .... Rana Dajani Investigation of the Forensic GlobalFiler loci in the Circassian population of Jordan submitted to Forensic Science, Medicine and Pathology
2.	Laith Al-Eitan Rana Dajani et al Genetic polymorphism of pharmacogenomics VIP variants in the chechan population from Jordan submitted to Gene
3.	Laith Al-Eitan Rana Dajani et al Genetic polymorphism of pharmacogenomics VIP variants in the Circassian population from Jordan submitted to Drug metabolism and Pharmacokinteics

4.	Antonis Ververis and Rana Dajni et al A novel <i>SIGMAR1</i> missense mutation causes distal hereditary motor neuropathy of the Jerash type submitted to Neurology
5.	Rana Dajani, Wael Aldelaumay and Qusay Crisper in an Islamic perspective accepted correspondence to Nature
6.	Sara Abudahab, Nancy Hakooz, Yazun Jarrar, Mohammad Al Shahhab, Ahmad Saleh, Malek Zihlif, Rana Dajani. Differences in <i>UGT1A1</i> and <i>UGT1A7</i> Polymorphisms between Circassian, Chechen and Jordanian-Arab Populations submitted to
7.	M Odeh, R Dajani et al iLLL.CancerCare: A Vision for an intelligent LifeLong Learning Framework for Cancer Care accepted IEEE 2018 1st International Conference on Cancer Care Informatics (CCI) DOI: <a href="https://doi.org/10.1109/CANCERCARE.2018.8618230">10.1109/CANCERCARE.2018.8618230</a>
8.	Walid Al-Zyoud *, Sara Mansour, Feryal Elayan, Noor Homs, Hane Ajeilat, Rana Dajani The Management of Conflict of Interest in Scientific Research at Jordanian Universities. Submitted to Education Sciences
9.	Chris Clukay, Rana Dajani et al. Effect of <i>MAOA</i> genetic variants and resilience on perceived stress in Syrian refugee youth. Submitted to PLOS genetics
10.	Panther-Brick. 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 Brain, behaviour and immunity Feb 20, 2019 <a href="https://doi.org/10.1016/j.bbi.2019.02.015">https://doi.org/10.1016/j.bbi.2019.02.015</a>
11.	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. Nat Commun. 2018 Jul 3;9(1):2583. doi: 10.1038/s41467-018-04818-0.
12.	Panther-Brick C, Kurtz J, Dajani R (2018). What strong partnerships achieve: Innovations in research and practice. <u>Humanitarian Exchange</u> (Special issue). In press.
13.	Hadfield K, Chen A, Sheridan M, Dajani R, Ager A, Eggerman M, Panther-Brick C (under review). Cognitive function in refugee and non-refugee youth: A randomized controlled trial of a psychosocial intervention. Development science (Special issue). (under review)
14.	Chen A, Panther-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. <u>Child Development</u> . (under review)
15.	De Barros Damgaard, P .... Dajani, R et al <u>137 ancient human genomes from across the Eurasian steppes</u> . Nature 2018 May;557(7705):369-374. doi: 10.1038/s41586-018-0094-2. Epub 2018 May 9.
16.	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
17.	Dajani R et al Genes associated with diabetes in Circassians and Chechans accepted <i>Jordan medical Journal</i> January 2018; 52(1):59-75
18.	Masomotu, Dajani Public-Private Divide: Cultural and Social Factors in Women's Attitudes Toward Cord Blood Banking in Jordan Trans-2017-0890.R1
19.	Dajani, Rana, Kristin Hadfield, Stan van Uum, Michael Greff, and Catherine Panther-Brick. "Hair Cortisol Concentrations in War-Affected Adolescents: A Prospective Intervention Trial," <i>Psychoneuroendocrinology</i> December 19, 2017.
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### **Peer Reviewed Books or Chapter Publications in Print or Other Media**

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.
4	Dajani, Rana. 2016. “Evolution and Islam: Is There a Contradiction?” In Muslim World Science

### Non-Peer Reviewed Publications in Print or Other Media

1.	Dajani R Why the right questions make the biggest impact Nature Middle east July 31, 2018 doi:10.1038/nmiddleeast.2018.88
2.	Dajani R Mentoring policy report July 2017
3.	Dajani R Developing nations need more than just money. <i>Nature</i> . 2017 Oct 10;550(7675):159. doi: 10.1038/550159a
4.	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; Fayeز Arafat PUBLISHERS SAANED Stars Foundation Mar 16, 2017
5.	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
6.	Dajani R "How being a Muslim Female Scientist helped me do better science" <i>Cultures Disparities Issue American Society for Microbiology</i> 2017 <a href="http://asmcultures.org/3-4/10">http://asmcultures.org/3-4/10</a>
7.	Dajani R "Have you ever written a grant" (2016), <i>MENASCI</i> , Available from: <a href="http://www.menasci.net/have-you-ever-written-a-grant.html">http://www.menasci.net/have-you-ever-written-a-grant.html</a>
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 <a href="http://www.fletcherforum.org/home/2016/11/4/valuing-compassion-why-cant-we-redefine-success">http://www.fletcherforum.org/home/2016/11/4/valuing-compassion-why-cant-we-redefine-success</a>
11	Dajani R "Waste not want not" <i>Science</i> . 2015 Nov 27;350(6264):1043. doi: 10.1126/science.350.6264.1043-b
12	Dajani R, the power of reading aloud WISE Arabic and English <a href="https://www.wise-qatar.org/edreview/power-reading-aloud">https://www.wise-qatar.org/edreview/power-reading-aloud</a> <a href="http://www.wise-qatar.org/power-reading-aloud-arabic">http://www.wise-qatar.org/power-reading-aloud-arabic</a>
13	Bioinformatics Arabi Arabic May 2015 الحيوية ودورها الريادي المعلوماتية <a href="http://www.kfas.org/pdfs-forms/taqaddum-ilmi-pdfs/vol90.pdf">http://www.kfas.org/pdfs-forms/taqaddum-ilmi-pdfs/vol90.pdf</a>
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15	Dajani R "A science education that matters" <i>Nature Middle East</i> doi:10.1038/nmiddleeast.2014.268 <a href="http://www.natureasia.com/en/nmiddleeast/article/10.1038/nmiddleeast.2014.268">http://www.natureasia.com/en/nmiddleeast/article/10.1038/nmiddleeast.2014.268</a>
16	Dajani R "Is Science education the real issue? Published on Muslimscience.com magazine <a href="http://muslim-science.com/science-education-real-issue/?shared=email&amp;msg=fail">http://muslim-science.com/science-education-real-issue/?shared=email&amp;msg=fail</a>
17	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 <a href="http://www.natureasia.com/en/nmiddleeast/article/10.1038/nmiddleeast.2014.285">http://www.natureasia.com/en/nmiddleeast/article/10.1038/nmiddleeast.2014.285</a>
18	Dajani, R Jordan's stem-cell law can guide the Middle East. <i>Nature</i> . 2014 Jun 12;510(7504):189. <a href="http://www.nature.com/news/jordan-s-stem-cell-law-can-guide-the-middle-east-1.15385">http://www.nature.com/news/jordan-s-stem-cell-law-can-guide-the-middle-east-1.15385</a> <a href="http://arabicedition.nature.com/journal/2014/07/510189a">http://arabicedition.nature.com/journal/2014/07/510189a</a>



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20	Dajani, R First Person: A Fulbrighter at Yale, Yale News Oct 9, 2013 <a href="http://news.yale.edu/2013/10/09/first-person-fulbrighter-yale">http://news.yale.edu/2013/10/09/first-person-fulbrighter-yale</a> 12;510(7504)
21	Dajani, R Iowa City remembered in poetry Daily Iowan Dec 16, 2005
22	Dajani, R Evolution and Islam a chapter in a book published by ISESCO 2013
23	Dajani, R World View: How women scientists fare in the Arab world Nature. 2012 Nov 1; 491:9 <a href="http://www.nature.com/news/how-women-scientists-fare-in-the-arab-world-">http://www.nature.com/news/how-women-scientists-fare-in-the-arab-world-</a> 1.11705 <a href="http://arabicedition.nature.com/journal/2012/11/491009a">http://arabicedition.nature.com/journal/2012/11/491009a</a>
24	Dajani R World view: The Arab spring offers hope but no quick fix Nature. 2011 Aug 31;477(7362):7 <a href="http://www.nature.com/news/2011/110831/full/477007a.html">http://www.nature.com/news/2011/110831/full/477007a.html</a> <a href="http://www.nature.com/nmiddleeast/2011/110904/full/nmiddleeast.2011.116.html?WT.mc_id=FBK_NatureMEast">http://www.nature.com/nmiddleeast/2011/110904/full/nmiddleeast.2011.116.html?WT.mc_id=FBK_NatureMEast</a>
25	Dajani, R Science in the Arab world. Nature blog June 30, 2011 <a href="http://blogs.nature.com/soapbox_science/2011/06/30/science-in-the-arab-world">http://blogs.nature.com/soapbox_science/2011/06/30/science-in-the-arab-world</a>
26	Dajani, R Undergraduate education in Jordan. Science. 2007 Aug 31;317(5842):1170-1.

### **Non-Peer Reviewed Publications in Print or Other Media**

**Five Scarves, Doing the Impossible: If we can reverse cell fate why can't we redefine success Nova Science 2018**

### **Peer Reviewed Conference papers**

	Exploring a newly developed measure to assess school-aged children's school interest in Jordan CIES 2019 San Francisco, the 63rd Annual Conference of the Comparative and International Education Society San Fransisco, CA USA April 2019
	<b>“Proof-of-Concept: Using Biomarkers and Measures of Cognitive Function to Test the Impacts of a Brief, Scalable Intervention for Syrian Refugees in Jordan ”</b>  10th Anniversary Conference - Global Mental Health Research without Borders 8-9 April 2019, at the Natcher Center, National Institutes of Health, Bethesda, Maryland, United States.
1.	iLLL.CancerCare: A vision for an intelligent Life Long Learning Framework for Cancer Care, The first International Cancer care Informatics Conference Amman Jordan November 19-21, 2018
2.	Lessons learnt from an impact evaluation conducted with conflict-affected adolescents: Lollipops, manicures and ownership. 5 <sup>th</sup> 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 <sup>th</sup> Biennial Meeting of the International Society for the Study of Behavioural Development (ISSBD2018), Gold Coast, Australia.

3.	Panter-Brick C, Eggerman M, Hadfield K, Dajani R, Ager A. Refugees, stress, and mental health trajectories. 23 <sup>rd</sup> 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, <b>Rana Dajani</b> , Catherine Panter-Brick, & Michael Ungar. “ <b>Adversity, resilience, and mental health trajectories in Syrian refugee and Jordanian host-community youth</b> ” Pathways to Resilience IV conference, Cape Town, South Africa, Jun 15, 2017
5.	Amelia Sancilio, Kyle Wiley, <b>Rana Dajani</b> , Stan Van Umm, Abdelbaset Elzagallaai, Michael Rieder and Catherine Panter-Brick. “ <b>Trauma exposure and hair cortisol in youth affected by the Syrian crisis</b> ” The annual conference of the Human Biology Association, New Orleans, USA, Apr 19, 2017
6.	Catherine Panter-Brick, Mark Eggerman, Jane MacPhail, <b>Rana Dajani</b> . “ <b>Stress and Resilience: Evaluating interventions with Syrian refugee youth</b> ” 2017 SRCD Biennial Meeting, Austin, Texas, USA, Apr 6-8, 2017
7.	Mulligan C, Clukay C, Quinlan J, <b>Dajani R</b> Hamadmad D, Abudayyeh G, Panter-Brick C “ <b>Genetics of risk and resilience in Syrian refugee youth</b> ” Symposium: Collaborations across anthropology and genetics, Apr, 2017
8.	<b>Dajani R.</b> Circles of Mentoring Pathways to Professional and Personal Growth AAAS 2017 Boston, USA, Feb 17, 2017
9.	<b>Dajani R. et al</b> “ <b>Circles of Mentoring: Pathways to Professional and Personal Growth</b> ” AAAS 2017, Boston, Massachusetts, USA, Feb 16–20, 2017
10.	J. Li, <b>R. Dajani</b> , 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 “ <b>Genome-wide association study identifies new type 2 diabetes risk loci in Jordan subpopulations</b> ” (poster) 66th annual meeting of American society for human genetics, Vancouver, Canada Oct 18-22, 2016
11.	<b>Dajani R.</b> “ <b>A research partnership evaluating program efficacy on stress and cognition among adolescent Syrian refugees in Jordan</b> ”, Adolescence, Youth and Gender” Building Knowledge for Change, Lady Margaret Hall, University of Oxford, UK, Sep 8-9 2016
12.	<b>Dajani R. et al</b> “ <b>Three Circles of Aemat: Growth and Sustainability through Mentoring</b> ” (Poster) AAAS 2016, Washington DC, USA, Feb 13, 2016
13.	Amelia Sancillio, <b>Rana Dajani</b> Mark Eggerman et al. OR.19 “ <b>Do stress biomarkers track poverty, stress and trauma? Evaluating war affected youth.</b> Abstract in “Human biology of poverty” ” Symposium of the society for the study of human biology, Lisbon, Portugal, Sept 2-5, 2015
14.	Massadeh, Muhannad, Fatima Sabra, Rana Dajani, and Alaa Arafat. “Purification of Lipase Enzyme Produced by Bacillus Stearothermophilus HU1.” Penang, Malaysia, 2012.
15.	<b>Dajani, R.</b> “ <b>Novel reading for novel learning</b> ” poster at the “Creative Thinking, Reimagining the University” 8 <sup>th</sup> Galway symposium on Higher Education organized by the National University of Ireland, Galway, Jun 11, 2010
16.	<b>Dajani, R.</b> “ <b>Drama in Biology</b> ” Pecha Kucha talk at the “Creative Thinking, Reimagining the University” 8 <sup>th</sup> Galway symposium on Higher Education organized by the National University of Ireland, Galway, Jun 11, 2010
17.	<b>Dajani, R.</b> “ <b>Islam and evolution</b> ” talk at the fourth scientific research conference, Landmark Hotel Amman, Jordan, Nov 7, 2009
18.	<b>Dajani, R.</b> “ <b>Stem cell ethics in Jordan</b> ” talk at the fourth scientific research conference, Landmark Hotel Amman, Jordan, Nov 7, 2009
19.	<b>Dajani, R.</b> and Mahasneh, R “ <b>Service learning in Jordan</b> ” talk at the 14 <sup>th</sup> science

	conference organized by the Higher Council of Science and Technology, Amman, Jordan, May 4, 2009
20.	<b>Dajani, R. Problem Based Learning: a Path to Leadership Development. Implementation problems and solutions</b> , round table discussion at Global Women Leaders Conference, Dubai, UAE, Mar 10-12, 2008
21.	<b>Dajani, R. Community Awareness Project</b> presentation at Global Women Leaders Conference, Dubai, UAE, Mar 10-12, 2008
22.	<b>Dajani, R</b> , Salih Sanlioglu, Yulong Zhang, Martha M. Monick, Eric Lazartigues, Timothy Eggelston, Robin L. Davisson, Gary W. Hunninghake and John F. Engelhardt. <b>“Pleiotropic functions of TNFalpha determine Ikkbeta –dependent hepatocellular fates in response to LPS”</b> (Poster # 10-09P) 6 <sup>th</sup> International Cytokine Conference 2006, Austria, 2006
23.	<b>Dajani R</b> , Zhang Y, Taft P, Travis S, Welsh MJ, and Engelhardt JF. <b>“Direct Evidence for antibacterial Function of Submucosal Gland-derived Lysozyme in Proximal Airways”</b> College of Medicine/College of Public Health/VA Medical Center Research Week, Abstract #63, Mar 30, 2004
24.	<b>Dajani R</b> , Zhang Y, Taft P, Travis S, Welsh MJ, and Engelhardt JF. <b>“Direct Evidence for antibacterial Function of Submucosal Gland-derived Lysozyme in Proximal Airways”</b> 6 <sup>th</sup> Annual Student Health Interdisciplinary Poster Session, 2004
25.	<b>Dajani R</b> , Zhang Y, Taft P, Travis S, Welsh MJ, and Engelhardt JF. <b>“Direct Evidence for antibacterial Function of Submucosal Gland-derived Lysozyme in Proximal Airways”</b> 17 <sup>th</sup> 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** The butterfly effect German Jordan University, Amman Jordan March 24, 2019

**Dajani R** Can we redefine success, conference International women’s day challenges in development, culture and work. Library of Alexandria, Alexandria, Egypt March 19, 2019

**Dajani R** A path to building resilience among refugee: a community based psychosocial support Programm Amman Jordan March 11, 2019

**Dajani R** Panel Applied Scientific Research and Innovation for youth PAIR March 10, 2019

Dajani R International women days a talk by a scientist and social entrperneuer corner University of Jordan March 5 2019

**Dajani R** Application of the Existing Platforms and Development of Mutual Collaborations to Benefit Public Health in the Islamic World (Round Tables) Science and Technology Exchange Program (STEP-5) 5<sup>th</sup> INTERNATIONAL CONFERENCE ON “HEALTH CHALLENGES OF COMMUNICABLE AND NON-COMMUNICABLE DISEASES, ICCBC University of Karachi, Pakistan Feb 27- March 1 2019

**Dajani R** Female Scientists’ Contribution in Future Global Village; What Role Should We Play to Enhance Female Scientists’ Contribution to the Health of Society? (Panel) Chair and speaker Science and Technology Exchange Program (STEP-5) 5<sup>th</sup> INTERNATIONAL CONFERENCE ON “HEALTH CHALLENGES OF COMMUNICABLE AND NON-COMMUNICABLE DISEASES, ICCBC University of Karachi, Pakistan Feb 27- March 1 2019

**Dajani R** Inspiring Female Scientists in Biomedical Careers in the Islamic World; Surmounting Obstacles and Identifying Ways to Enhance Female Contribution Network toward Society Healthcare (Panel) Science and Technology Exchange Program (STEP-5) 5<sup>th</sup> INTERNATIONAL CONFERENCE ON “HEALTH

CHALLENGES OF COMMUNICABLE AND NON-COMMUNICABLE DISEASES, ICCBC University of Karachi, Pakistan Feb 27- March 1 2019

**Dajani R We Love Reading a grassroots approach to education INEE Amman Jordan Feb 19, 2019**

**Dajani R** Be yourself think different Portraits: Inspiring women in translational medicine. Berlin Institute of Health Berlin Germany Feb 11, 2019

**Dajani R We Love Reading: A Path To Building Resilience Among Refugees A Community Based Psychosocial Support Program** Early Childhood Reporting Institute Covering Children and the Syrian Refugee Crisis Dart Center for journalism and trauma, Columbia University Global center Amman Jordan Jan 20-23, 2019

Dajani R speaker on panel supporting women in stem careers **Workshop on Applying Gender Lens to Science, Technology and Innovation**

Organized by UN commission on science technology and development Vienna, Austria Jan 18, 2019

Dajani R Panel Discussion Research as a career University of Jordan research committee workshop Amman Jordan January 14, 2019

Dajani R Be yourself, think different Pump your career Utrecht NOW and university women professors of the Netherlands Dec 12, 2018

Dajani R Five scarves TEDxPSUT Nov 24, 2018 PSUT Amman Jordan

Dajani R, and Odeh M, iLLL.CancerCare: A vision for an intelligent Life Long Learning Framework for Cancer Care, The first International Cancer care Informatics Conference Amman Jordan November 19-21, 2018

Dajani R HU, Harvard or Hashemite How to make the best of what you have Hashemite University Nov 18, 2018

Dajani R Research and Entrepreneurship IEEE Nov 15, 2018

Dajani R Reading for fun Main Library Hashemite University Nov 14, 2018

Dajani R A STEM education that matters Pearson Nov 6, 7 2018 Riyadh Saudi Arabia

Dajani R A STEM education that matters Pearson Nov 4, 5 2018 Dubia UAE

Dajani R Epigenetics of trauma Department of Biology, Hashemite University Oct 23, 2018

Dajani R “We Love Reading: A Path to Building Resilience Among Refugees a Community Based Psychosocial Support Program” 7 th annual international conference on “Transgenerational Trauma” Communicating wounds and victim identities Amman Jordan Oct 19, 2018

Dajani R The Epigenetics Revolution: How Modern Biology is Rewriting our Understanding of Genetics, Disease and Inheritance Muslim Mental Health conference Amman Jordan October 20, 2018

**Dajani R** Genetic risk factor for diabetes in ethnic populations Translation medicine 5<sup>th</sup> MEMBS congress Dead Sea, Jordan October 6 2018

**Dajani R panel** Jordanian Women in STEM, Real Struggles and Achievements Women ILS IEEE Amman Jordan Sep 29 2018

**Dajani R** AIWF / CMI Conference on 'Women, Water & Youth, Amman Jordan, Sep 27, 2018

**Dajani R Women and Science in the Arab world Science and Scientific Production in the Middle East Georgetown University center for International and Regional studies Sep 16 172018**

**Dajani R A research life 6<sup>th</sup> 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 JTF Ohrid Macedonia June 19, 2018**

**Dajani R Leadership in Open Science: Overcoming the gender and structural inequalities, Gender summit King’s college London June 17-18, 2018**

**Dajani R women mentoring, Global Ties NYU, New York City, USA June 8, 2018**

**Dajani R We Love Reading Global Ties, NYU, New York City, USA 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, 10<sup>th</sup> 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, Engineering and Beyond, Radcliffe Institute for Advanced Studies at Harvard University, Cambridge, MA, USA Oct 6 2017

**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,” Women without borders 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 Aemat” 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 Aemat presentation, NSF NAS, 2016

**Dajani, R.** Three Circles of Aemat 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 Alemat, 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, 1<sup>st</sup> 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 38, 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, 2103

**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”** 8<sup>th</sup> 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

Muhannad I. Massadeh, Fatima M. Sabra, **Rana B. Dajani**, Alaa A. Arafat. **“Purification and characterization of lipase enzyme produced y *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" 8<sup>th</sup> 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" 8<sup>th</sup> 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 14<sup>th</sup> 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 $\alpha$  determine Ikk $\beta$  –dependent hepatocellular fates in response to LPS**, poster at 6<sup>th</sup> 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

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### Thesis advisor for the following dissertations:

1. Biomolecular marker profile of intrinsic asthma in humans, Esra ElHaj
2. Metabolic syndrome and its individual components among Chechans in Jordan (Chechans), Raja Fathallah
3. The prevalence of factor V (G1691A) and prothrombin (G20210A) mutations in the Circassian population in Jordan, Ala Arafat
4. Molecular Identification of Antibiotic producing bacteria in Jordan, Anhar Alturk
5. Genetics polymorphisms CYP2C8 in the Chechan population in Jordan Nuha Tuba Sep 2017
6. Polymorphisms in pharmacogenomics in the Chechan population in Jordan Haneen Maqableh Sep 2017
7. Effect of war trauma on epigenetics in Syrian Refugee adolescence Manal Daas Sep 2018

### 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 methyltrioxide 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 Hababbeh 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. Faculty of pharmacology faculty of graduate studies University of Jordan October 2015
10. 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
11. Pharmacogenetics characteristics of cardiovascular dissuade patients with warfarin Aya AlMasri M.Sc. in Biotechnology and Genetic Engineering, JUST Jan 14, 2016
12. Malek Zuluf Faculty of pharmacology faculty of graduate studies University of Jordan April 17, 2016
13. 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
14. Muneer Ghraibeh Faculty of pharmacology faculty of graduate studies University of Jordan May 3, 2016
15. Saed Isamel Faculty of pharmacology faculty of graduate studies University of Jordan May 4, 2016
16. 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
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18. TPMT genotypes and adverse effects of azathioprine among Jordanian group. Mohammad Muhanna, University of Jordan Dec 22, 2016
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21. INVESTIGATION ON THE CYTOGENETIC EFFECTS OF PSYCHOTIC DRUGS: WHAT ARE WE MISSING? Isra Othman Omari JUST May 2017
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8.	Rajini

## **Skills**

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

## **References**

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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 policies 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 clearer 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: *Developing Service-Learning and Civic Engagement Partnerships across the Curriculum***

### **We love reading Initiative**

[www.weloverreading.org](http://www.weloverreading.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