

Nour Abdo, DVM, MPH, CHEC, PhD



CONTACT

Title:

Associate Professor
Department of Public Health
Faculty of Medicine
Jordan University of Science
and Technology

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LANGUAGES

English – Fluent
Arabic – Native
Bulgarian – Fluent

WORK EXPERIENCE

2022 - Present

Department Chairperson, Jordan University of Science and
Technology, Jordan

Responsibilities:

1. Analyzing and monitoring quality of exams and for the past four years in all courses in school of Medicine
2. Writing Intentional Learning Objectives
3. Updating and approving the curriculum of public health master's degree.
4. Department head.
5. Courses registrations, student monitoring, committee forming.

2022 - Present

Active committees, Jordan University of Science and Technology,
Jordan

In the Department:

6. Committee of Research in the Department
7. Graduate studies committee.

In the Faculty of Medicine:

8. Committee of Research in the Department
9. Committee of curriculum developing and study plan for doctor in medicine.
10. Course Equivalency Committee
11. Exam monitoring and reviewing
12. Appointment and promotion committee
13. Accreditation, Quality Assurance and Risk Management Committee.
14. Graduate Studies Committee.
15. Work committee for appointment and delegation purposes rules.
16. Electronic Examinations Review Committee

In the University:

17. Liaison Officer for the Global Health Security Project (GSH)- MENA from college of Medicine.
18. Public Safety and Health committee.

2021 – Present

Chairperson for the Specialty Committee of "Environmental Health" Field of study, International Academy of Public Health (IAPH), Eastern Mediterranean Public Health Network (EMPHNET).

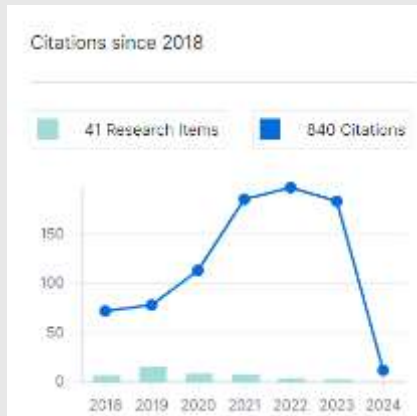
Responsibilities:

19. To promote a qualified public health workforce in the Eastern Mediterranean Region (EMR) that can address the challenges of strengthening the national health systems and improving population health.
20. Building on the legacy of EMPHNET workforce capacity initiatives and accredited training courses, IAPH will lead in delivering a wide range of educational and training programs with a multidisciplinary focus

STATISTICS

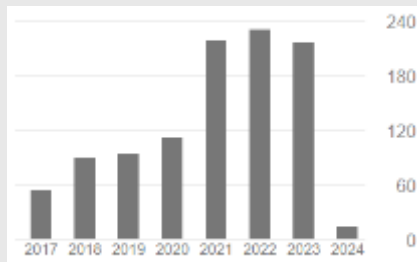
Research Gate:

Since 2014
Research Interest Score 659.3
12,563 reads
975 citations
175 recommendations
h-index 18



Google Scholar:

Citations 1115
h-index 18
i10-index 30



2017 - 2018

Assistant Dean, Jordan University of Science and Technology, Jordan

Responsibilities:

21. Exam Bank Head
22. Analyzing and monitoring quality of exams and for the past four years in all courses in school of Medicine
23. Writing Intentional Learning Objectives
24. Administrative and committee member

2014 - Present

Committee of Public Safety member, Jordan University of Science and Technology, Jordan

Responsibilities:

25. Representative of the public health view on public safety on university campus

2019 - Present

Associate Professor, Jordan University of Science and Technology, Jordan

Responsibilities:

26. Teaching and Research

2014 - Present

Assistant Professor, Jordan University of Science and Technology, Jordan

Responsibilities:

27. Teaching and Research

2019 - Present

Head of Exam Bank Committee, Jordan University of Science and Technology, Jordan

Responsibilities:

- Analyzing and monitoring quality of exams and for the past four years in all courses in school of Medicine

2019 - Present

Committee of Medical School Curriculum, Jordan University of Science and Technology, Jordan

Responsibilities:

28. Reforming the curriculum to meet medical accredited program
29. Matching Student-Learning-Objectives to Program-Education-Objectives for each course syllabus.

2014-2017

Department Representative in Deanship Board, Jordan University of Science and Technology, Jordan

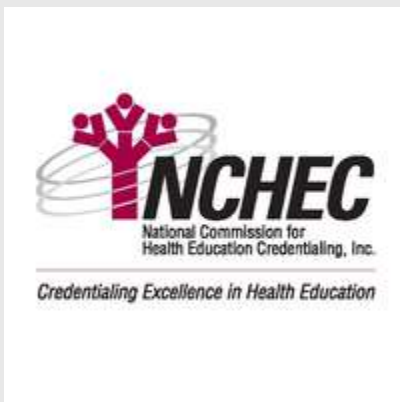
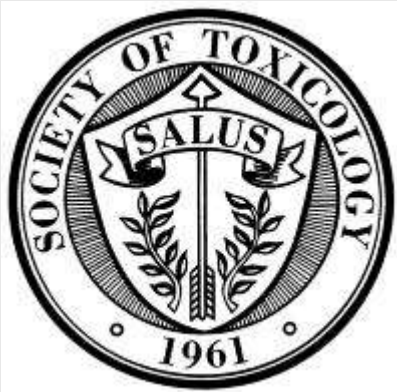
2010 - 2014

Research Assistant, University of North Carolina at Chapel Hill

Responsibilities:

30. Planned and conducted research experiments in vitro
31. Cultured more than 1500 human cell lines
32. Performed complex high throughput data analysis using R-gui and SAS.
33. Participated in Superfund research
34. Participated in annual conference and fund committees.

PROFESSIONAL ORGANIZATIONS



35. Writing Program Education Objectives for new Medical School curriculum
36. Writing Intended Learning Objectives for the new medical school curriculum
37. Matching Program Educational objectives with the Intended Learning Objectives.
38. Design a template for course syllabus and course learning objectives.

2007 - 2009

Teaching Assistant, New Mexico State University

Responsibilities:

39. Teaching assistant for Health Education and Health Planning course.
40. Grading.

EDUCATION

2015 - 2016

Fellowship in Research Ethics, Online training at University of San Diego, California, USA.

2010 - 2014

PhD in Environmental Sciences and Engineering, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, NC, USA.

With two official minors: **Biostatistics and Epidemiology**.

Dissertation Title: The 1000 Genomes Toxicity Screening Project

2009

Certified Health Education Specialist

2007 – 2009

Masters of Public Health with Minor in Occupational and Environmental Health. New Mexico State University, Las Cruces, NM, USA.

Thesis Title: The relationship between the level of radon exposure (high, moderate, low) and lung cancer prevalence in selected counties in NM, CO, and TX.

2001 – 2006

Doctor of Veterinary Medicine and Surgery (D.V.M.), Jordan University of Science and Technology. Irbid, Jordan.

AWARDS & ACHIEVEMENTS

2015

Awarded a one year contract Post-Doc from International Agency for Research on Cancer, Lyon France. But did not take it.

2014

Graduate Student Travel Support from the Society of Toxicology, USA.

PROFISSIONAL WORKSHOPS

ACADEMIC DEVELOPMENT AND QUALITY ASSURANCE CENTER:

- Introduction to Improve Quality of Education.
- Certified Health Education Specialist. NCHEC Certified.
- Certified in Laboratory safety protocols.
- Fellowship in responsible research conduct.



Koch Travel Award, UNC at Chapel Hill, USA	2013
Gillings Poster Award, UNC at Chapel Hill, USA	2013
Student Poster Award (1nd Place). "The 1000 Genomes Toxicity Project Utilizing the Power of Human Genome Variation for Population-Scale In vitro Testing" North Carolina Society of Toxicology (NCSOT), USA.	2013
Risk Assessment Specialty Section Best Published Paper Advancing the Science of Risk Assessment Award. Risk Assessment Specialty Section. Society of Toxicology 52nd annual conference. San Antonio, TX, USA.	2013
Best Paper Advancing the Science of Risk Assessment Award "Quantitative high-throughput screening for chemical toxicity in a population-based in vitro model". Committee of the Risk Assessment Specialty Section. Society of Toxicology 52nd annual conference. San Antonio, TX, USA.	2012
Student Poster Award (2nd Place). "Population-Based Quantitative High-Throughput Screening (QHTS) for Chemical Toxicity". North Carolina Society of Toxicology (NCSOT), USA.	2011
Philanthropic Educational Organization International Peace Scholarship Recipient 2nd time.	2010
Outstanding Graduate Assistantship Award. New Mexico State University, Las Cruces, New Mexico, USA.	2009
Outstanding Teaching Assistantship Award. New Mexico State University, Las Cruces, New Mexico, USA.	2009
Philanthropic Educational Organization International Peace Scholarship Recipient, USA.	2008

PROFESSIONAL MEETINGS AND POSTERS

Building Countries Capacities on Estimating the Health Impacts of Air Pollution Using Time-series Analysis" which scheduled to take place from 25 to 28 February 2024, in Amman, Jordan	2024
Building Countries' Capacities on Estimating the Health Impacts of Air Pollution Using Time-Series Analysis	2024
Alliance on Transformative Action on Climate Change and Health: Track Progress and Identity Challenges and Opportunities	2023
Placement of qualifications in the Jordanian National Qualifications Framework Workshop	2023
Air Pollution and Heart Health in EMRO: A Capacity-Building Webinar	2023

COMMUNITY SERVICES:

Field service and community medicine since 2014 till now each summer serving the neighboring community to JUST

CERTIFICATES FROM ACADEMIC DEVELOPMENT AND QUALITY ASSURANCE CENTER:

- Introduction to improve quality of education
- Learning Design



Research Interests and Passions:

- Epidemiology
- Biostatistics
- Data analysis
- Environmental Health
- Data visualization
- Genomics and its association with diseases
- In-vitro toxicology
- Cancer
- Community-based research
- Environmental Health
- Quality of life
- Refugees Health
- Cancer

by WHO and WHF

2023

Integrity of Scientific Research Workshop

2023

International Winter School "Migration and Health, Lens on the Middle East. DAAD project collaboration between JUST and Germany.

2022

Applying the matrix of standards for controlling the quality of electronic course design from the Quality Matters Foundation Workshop

2022

Seventh EMPHNET Regional Conference

2022

First Summer Course of GeoHealth Hub for Climate Change and Health in MENA: A collaborative program between:

Jordan University of Science and Technology (Jordan); The University of Balamand (Lebanon); Mohamed VI University of Health Sciences (Morocco); University of California San Diego (US); University of California Berkeley (US); Harvard University (US); The Regional Center for Environmental Health Action (CEHA), WHO, JORDAN

Funded by **The U.S. National Institutes of Health (NIH)**

GeoHealth Hub for Climate Change and Health in MENA: Summer Course, JUST, Jordan:

Objectives:

- a. Recognize the economic measurement of costs and benefits.
- b. Delve into cost-benefit analyses of local projects in Jordan.
- c. Explore the WHO CarbonH Tool.
- d. Discuss regional case studies.
- e. Recommend appropriate controls for environmental hazards.
- f. Consider economic models of infection transmission and prevention.

Attending: Experts from US, Jordan, Lebanon, Morocco, graduate students from MENA region, experts from WHO, MOH, MoEnv, MWI, DOM, Donors, Academia, and NGOs.

Roles:

41. Introduction of speakers and plan for the day (Chair).
42. Introduction to Risk-Benefit in Environmental Health (Speaker)
43. Country specific research papers by faculty and students (Chair)
44. Environmental health tools: Human Toxicology and environmental health (Speaker)
45. Water pollution, heavy metals, and microplastics
46. Sampling and variables in public health
47. Practical exercises in JMP: Descriptive statistics
48. Special designs in environmental health

2022

GeoHealth Hub for Climate Change and Health in MENA Hosts (The

- 1st International Climate Change and Health Conference in the MENA region: The Role of Science and Policy
2018
- AiR and Climate Health Impact in the MEDiterranean Eastern and Southern regions (ARCHIMEDES) Spring School Seminar.
2017
- Jordanian National Immunization Program: Bridging the Gaps. Amman, Jordan.
2017
- 9th Scientific Medical Conference of School of Medicine. Jordan University of Science and Technology.
2017
- Instructional design workshop
2017
- Introduction to improving the quality of learning.
2016
- 8th Scientific Medical Conference of School of Medicine. Jordan University of Science and Technology.
2016
- AiR and Climate Health Impact in the MEDiterranean Eastern and Southern regions (ARCHIMEDES) meeting in Cyprus. A collaboration with ((France, Italy, Algeria, Greece, Turkey, Cyprus, Lebanon) that share the ambition to build a research program on the links between air pollution, climate change and health across the Mediterranean.
2015
- Research Ethics Program conference, 2nd, Jordan University of Science and Technology. Jordan.
2014
- Research Ethics Program conference, 1st, Jordan University of Science and Technology. Jordan.
2014
- Writing workshop for publication. Research Capacity for public health in the Medeterrnean, Deade Sea. Newcastle University.
2013
- “The 1000 GENOMES TOXICITY SCREENING PROJECT: Utilizing the power of human genome variation for population-scale in vitro testing”. NIEHS Seminar Presentation. The NIEHS-NCATS-UNC DREAM Toxicogenetics Challenge: Crowd Sourcing Tox21 Qualitative High Throughput Screening Data. USA.
2013
- “In Vitro Screening For Inter-Individual and Population Variability in Toxicity of Pesticide Mixtures”. Oral Presentation. 2013. Superfund Research Program Annual Meeting. Baton Rouge, Louisiana, USA October 15-17, 2013.
2013
- “The 1000 genomes toxicity screening project: Utilizing the power of human genome variation for population-scale in vitro testing”. Poster. Society of Toxicology 52st annual conference. San Antonio, TX, USA.
2013



2012
"The 1000 genomes toxicity screening project: Utilizing the power of human genome variation for population-scale in vitro testing". Poster. Society of Toxicology 51st annual conference. San Francisco, CA, USA.

2011
"Population-Based Quantitative High-Throughput Screening (QHTS) for Chemical Toxicity". Society of Toxicology (SOT) 50th annual conference. Poster. Washington DC, USA.

2010
"Population-Based Quantitative High-Throughput Screening (QHTS) for Chemical Toxicity". Poster. North Carolina Society of Toxicology (NCSOT), RTP, NC, USA.

2010
"Cleft lip/ cleft palate births and radioactivity in water sources in Harris County, Texas" as a part of Oral session entitled "Radon: Awareness and health impacts" 138th APHA Annual Meeting in Denver, CO, USA.

2010
"Weight discrimination and women". Poster "Eliminating women's health disparities: Research and practice". 138th APHA Annual Meeting in Denver, CO, USA.

2010
"Weight discrimination as both a consequence and determinant of overweight/obesity". Poster "Aspects of Public Health Ethics". 138th APHA Annual Meeting in Denver, CO, USA.

2010
"Relationship between radon exposure and lung cancer prevalence in selected counties in Colorado, New Mexico, and Texas" as a part of Oral session entitled "Radon: Awareness and health impacts" on Wednesday, November 10, 2010 during the APHA Annual Meeting in Denver, CO, USA.



ADDITIONAL SKILLS

Database operation: Microsoft Office Access (word, ppt, excel)

Statistical operation: R-gui, SAS, SPSS, GraphPad Prism.

Other programs: Photoshop

Lab skills: Cell culture, PCR, basic genetic/molecular biology techniques (PCR, RNA extraction, assays reading, gel-electrophoreses)

Others:

49. High-throughput data management analyses and visualization
50. Statistical computing and data management
51. Data visualization
52. Categorical data analysis
53. Demographic techniques
54. Deductive and probability logic in epidemiology
55. Principles and fundamentals of epidemiology
56. In vitro toxicology
57. Theory and quantitative methods of epidemiology
58. Epidemiological data analysis
59. Genetic epidemiology methods and applications
60. GWAS and MAGWAS analyses

PUBLICATIONS

Nour Abdo, Amani Alhamid, Muna Abu-Dalo, Ashley Graboski-Bauer, Mohammad Al Harahsheh. (2024) Potential health risk assessment of mixtures of heavy metals in drinking water. *Groundwater for Sustainable Development*. 5 (101147), ISSN 2352-801X, <https://doi.org/10.1016/j.gsd.2024.101147>.

Ahlam J Alhemedi, Motaz Ghazi Qasaimeh, **Nour Abdo**, Lina Elsalem, Dina Qaadani, Esraa Alomari, Qudama Issa, Mohammed Alhadeethi, Hamza Mazin Abdul Kareem, Ayham Almasri, Osama Elkhateeb & Abdallah Y Naser (2023) Depression Among University Students in Jordan After the COVID-19 Pandemic: A Cross-Sectional Study, *Psychology Research and Behavior Management*, 16:, 4237-4249, DOI: 10.2147/PRBM.S436293.

Aldahleh H, Batieha A, Elayyan R, **Abdo N**, Abuzayed I, et al. (2023) Clinical profile, prognosis and post COVID-19 syndrome among UNRWA staff in Jordan: A clinical case-series study. *PLOS ONE* 18(11): e0293023. <https://doi.org/10.1371/journal.pone.0293023>.

Qaqish A, **Abdo N**, Abbas MM, Saadeh N, Alkhateeb M, et al. (2023) Awareness and knowledge of physicians and residents on the non-sexual routes of human papilloma virus (HPV) infection and their perspectives on anti-HPV vaccination in Jordan. *PLOS ONE* 18(10): e0291643. <https://doi.org/10.1371/journal.pone.0291643>

Abdo N, Muheisen MY. Estimating the Jordanian population dietary exposure to pesticides residues: An exploratory deterministic approach. *Food Chem Toxicol*. 2023 Oct;180:114035. doi: 10.1016/j.fct.2023.114035. Epub 2023 Sep 12. PMID: 37709250.

Al-Khatib SM, Ababneh O, Abushukair H, **Abdo N**, Al-Eitan LN. The impact of IDH and NAT2 gene polymorphisms in acute myeloid leukemia risk and overall survival in an Arab population: A case-control study. *PLoS One*. 2023 Jul 21;18(7):e0289014. doi: 10.1371/journal.pone.0289014. PMID: 37478088; PMCID: PMC10361469.

Abdo N, Al-Khalaileh H, Alajlouni M, Hamadneh J, Alajlouni AM. Screening for phthalates biomarkers and its potential role in infertility outcomes in Jordan. *J Expo Sci Environ Epidemiol*. 2023 Mar;33(2):273-282. doi: 10.1038/s41370-022-00517-7. Epub 2023 Jan 2. PMID: 36593351; PMCID: PMC9807094.

Rami Q. Alkhatib, Afnan B. Almasarweh, **Nour M. Abdo**, Abdulraouf S. Mayyas, Mahmoud A. Al-Qudah & Sultan T. Abu-Orabi (2022) Chromatographic analysis (LC-MS and GC-MS), antioxidant activity, antibacterial activity, total phenol, and total flavonoid determination of *Cleome arabica* L. growing in Jordan, *International Journal of Food Properties*, 25:1, 1920-1933, DOI: 10.1080/10942912.2022.2115063.

Alkhatib R, Hawamdeh R, Al-Eitan L, **Abdo N**, Obeidat F, Al-Bataineh M, Aman H. Family and case-control genetic study of MSX1 polymorphisms in peg-shaped teeth Jordanian population. *BMC Oral Health*. 2022 Jan 22;22(1):16. doi: 10.1186/s12903-022-02051-2. PMID: 35065635; PMCID: PMC8783454.

Al-Khatib S, Shabaneh A, **Abdo N**, Al-Eitan L, Al-Mistarehi AH, Khader Y. Association of TLR9-1237T>C; rs5743836 polymorphism with increased risk of Hodgkin's lymphoma: A case-control study. *PLoS One*. 2022 Jul 29;17(7):e0272312. doi:

10.1371/journal.pone.0272312. PMID: 35905120; PMCID: PMC9337659.

Alkhatib R, Alkhatib B, **Abdo N**. Impact of exogenous nicotine on the morphological, physio-biochemical, and anatomical characteristics in *Capsicum annum*. *Int J Phytoremediation*. 2022;24(6):666-674. doi: 10.1080/15226514.2021.1962798. Epub 2021 Aug 18. PMID: 34406092.

Rousan LA, Al-Omari MH, Musleh RM, Amir MI, El Kortbi H, **Abdo N**. Redundant Nerve Roots of the Cauda Equina, MRI Findings and Postoperative Clinical Outcome: Emphasizing an Overlooked Entity. *Global Spine J*. 2022 Apr;12(3):392-398. doi: 10.1177/2192568220975378. Epub 2020 Dec 17. PMID: 33327763; PMCID: PMC9121165.

Obeidat RA, **Abdo N**, Sakee B, Alghazo S, Jbarah OF, Hazaimah EA, Albeitawi S. Maternal and fetal serum leptin levels and their association with maternal and fetal variables and labor: A cross-sectional study. *Ann Med Surg (Lond)*. 2021 Nov 14;72:103050. doi: 10.1016/j.amsu.2021.103050. PMID: 34815864; PMCID: PMC8591461.

Alkhatib R, Alkhatib B, **Abdo N**. Effect of Fe₃O₄ nanoparticles on seed germination in tobacco. *Environ Sci Pollut Res Int*. 2021 Oct;28(38):53568-53577. doi: 10.1007/s11356-021-14541-x. Epub 2021 May 25. PMID: 34031836.

Alkhader M, Alrashdan M, **Abdo N**, Abbas R. Usefulness of Hard Palate Measurements in Predicting Airway Dimensions in Patients Referred for Cone Beam CT. September 2021 *The Open Dentistry Journal* 15(1):505-511. DOI: 10.2174/1874210602115010505.

Alkhatib, Rami, Nour Abdo, and Maha Mheidat. 2021. "Photosynthetic and Ultrastructural Properties of Eggplant (*Solanum melongena*) under Salinity Stress" *Horticulturae* 7, no. 7: 181. <https://doi.org/10.3390/horticulturae7070181>.

Khassawneh AH, Alzoubi A, Khasawneh AG, **Abdo N**, Abu-Naser D, Al-Mistarehi AH, Albattah MF, Kheirallah KA. The relationship between depression and metabolic control parameters in type 2 diabetic patients: A cross-sectional and feasibility interventional study. *Int J Clin Pract*. 2021 Apr;75(4):e13777. doi: 10.1111/ijcp.13777. Epub 2020 Nov 13. PMID: 33098211.

Abdo N, Alsoukhni M, Batieha A, Arqoub K. Survival of patients with urinary bladder cancer in Jordan, 2005-2014. *East Mediterr Health J*. 2021 Jul 29;27(7):648-655. doi: 10.26719/2021.27.7.648. PMID: 34369578.

Alkhatib R, Obeidat B, Al-Eitan L, **Abdo N**, Obeidat F, Aman H. Family-based association study of genetic analysis of paired box gene 9 polymorphisms in the peg-shaped teeth in the Jordanian Arab population. *Arch Oral Biol*. 2021 Jan;121:104966. doi: 10.1016/j.archoralbio.2020.104966. Epub 2020 Nov 6. PMID: 33197803.

Al-Khatib SM, **Abdo N**, Al-Eitan LN, Al-Mistarehi AW, Zahran DJ, Kewan TZ. LTA, LEP, and TNF- α Gene Polymorphisms are Associated with Susceptibility and Overall Survival of Diffuse Large B-Cell lymphoma in an Arab Population: A Case-Control Study. *Asian Pac J Cancer Prev*. 2020 Sep 1;21(9):2783-2791. doi: 10.31557/APJCP.2020.21.9.2783. PMID: 32986381; PMCID: PMC7779465.

Al-Khatib SM, **Abdo N**, Al-Eitan LN, Al-Mistarehi AW, Zahran DJ, Kewan TZ. LTA, LEP, and TNF- α Gene Polymorphisms are

Associated with Susceptibility and Overall Survival of Diffuse Large B-Cell lymphoma in an Arab Population: A Case-Control Study. *Asian Pac J Cancer Prev*. 2020 Sep 1;21(9):2783-2791. doi: 10.31557/APJCP.2020.21.9.2783. PMID: 32986381; PMCID: PMC7779465.

Abdo N, Abu Naqera K, Batieha A, Abu Zayed I. Catastrophic health expenditure among ex-Gazan families in Jerash camp, Jordan. *Public Health*. 2020 Sep;186:101-106. doi: 10.1016/j.puhe.2020.07.014. Epub 2020 Aug 11. PMID: 32795768.

Al-Khatib SM, **Abdo N**, Al-Eitan LN, Al-Mistarehi AW, Zahran DJ, Al Ajlouni M, Kewan TZ. The Impact of the Genetic Polymorphism in DNA Repair Pathways on Increased Risk of Glioblastoma Multiforme in the Arab Jordanian Population: A Case-Control Study. *Appl Clin Genet*. 2020 Jun 11;13:115-126. doi: 10.2147/TACG.S248994. PMID: 32606887; PMCID: PMC7295542.

Alkhatib R, **Abdo N**, Al-Eitan L, Kafesha R, Rousan A. Impact of magnetically treated water on the growth and development of tobacco (*Nicotiana tabacum* var. Turkish). *Physiol Mol Biol Plants*. 2020 May;26(5):1047-1054. doi: 10.1007/s12298-020-00787-1. Epub 2020 Apr 15. PMID: 32377052; PMCID: PMC7196575.

Khalil H, Al-Shorman A, Alghwiri AA, **Abdo N**, El-Salem K, Shalabi S, Aburub A. Cross cultural adaptation and psychometric evaluation of an Arabic version of the modified fatigue impact scale in people with multiple sclerosis. *Mult Scler Relat Disord*. 2020 Apr;39:101878. doi: 10.1016/j.msard.2019.101878. Epub 2019 Nov 29. PMID: 31841967.

Al-Khatib SM, **Abdo N**, Al-Eitan LN, Al-Mistarehi AH, Zahran DJ, Kewan TZ. The Impact of IL-6 and IL-10 Gene Polymorphisms in Diffuse Large B-Cell Lymphoma Risk and Overall Survival in an Arab Population: A Case-Control Study. *Cancers (Basel)*. 2020 Feb 7;12(2):382. doi: 10.3390/cancers12020382. PMID: 32046104; PMCID: PMC7072608.

Aldaoud N, Hallak A, **Abdo N**, Al Bashir S, Marji N, Graboski-Bauer A. Interobserver Variability in the Diagnosis of High-Grade Prostatic Intraepithelial Neoplasia in a Tertiary Hospital in Northern Jordan. *Clin Pathol*. 2020 Jan 9;13:2632010X19898472. doi: 10.1177/2632010X19898472. PMID: 31950103; PMCID: PMC6952849.

Aldaoud N, Erashdi M, AlKhatib S, **Abdo N**, Al-Mohtaseb A, Graboski-Bauer A. The utility of PAX8 and SATB2 immunohistochemical stains in distinguishing ovarian mucinous neoplasms from colonic and appendiceal mucinous neoplasm. *BMC Res Notes*. 2019 Nov 26;12(1):770. doi: 10.1186/s13104-019-4816-9. PMID: 31771640; PMCID: PMC6880435.

Alkhatib R, Mheidat M, **Abdo N**, Tadros M, Al-Eitan L, Al-Hadid K. Effect of lead on the physiological, biochemical and ultrastructural properties of *Leucaena leucocephala*. *Plant Biol (Stuttg)*. 2019 Nov;21(6):1132-1139. doi: 10.1111/plb.13021. Epub 2019 Jul 26. PMID: 31237403.

Alkhatib R, Abudhaim N, Al-Eitan L, **Abdo N**, Alqudah A, Aman H. Genetic Analysis Of ABCA1 Gene Of Primary Glaucoma In Jordanian Arab Population. *Appl Clin Genet*. 2019 Oct 4;12:181-189. doi: 10.2147/TACG.S213818. PMID: 31632126; PMCID: PMC6783111.

Al-KHATIB, S, Al-Mistarehi A, **Abdo N**, Al-Eitan L, Zahran D. Small nuclear RNA (RNU6-1) is a novel susceptibility gene for diffuse large B cell lymphoma in Arab descent population: A case-control study. 2019. Conference. VIRCHOWS ARCHIV. 475. S368-S369.



Awad S, **Abdo N**, Yusef D, Jawarneh A, Babaa A, Alwady D, Al-Bawayeh H, Kasrawi I, Amaireh M, Obeidat M, Bany Amer N, Alonze S. Knowledge, attitudes and practices related to influenza illness and vaccination in children: Role of awareness campaigns in changing parents' attitudes toward influenza vaccination in Jordan. *Vaccine*. 2019 May 31;37(25):3303-3309. doi: 10.1016/j.vaccine.2019.04.083. Epub 2019 May 6.

Aldaoud N, Graboski-Bauer A, **Abdo N**, Al Bashir S, Oweis AO, Ebwaini H, Hasen Y, Alazab R, Trpkov K. ERG expression in prostate cancer biopsies with and without high-grade prostatic intraepithelial neoplasia: a study in Jordanian Arab patients. *Res Rep Urol*. 2019 May 22;11:149-155. doi: 10.2147/RRU.S207843. PMID: 31192172; PMCID: PMC6535407.

Abdo N, Douglas S, Batieha A, Khader Y, Jaddou H, Al-Khatib S, El-Khatib M, AbuZaid H, Ajlouni K. The prevalence and determinants of anaemia in Jordan. *East Mediterr Health J*. 2019 Jul 24;25(5):341-349. doi: 10.26719/emhj.18.047. PMID: 31364759.

Ajlouni K, Batieha A, Jaddou H, Khader Y, Abdo N, El-Khateeb M, Hyassat D, Al-Louzi D. Time trends in diabetes mellitus in Jordan between 1994 and 2017. *Diabet Med*. 2019 Sep;36(9):1176-1182. doi: 10.1111/dme.13894. Epub 2019 Jan 25. PMID: 30614070.

Ayoub N, Yaghan R, **Abdo N**, Matalaka I, Akhu-Zaheya L, Al-Mohtaseb A. Accepted in *Journal of Obesity*. Impact of Obesity on Clinicopathologic Characteristics and Disease Prognosis in Pre- and Postmenopausal Breast Cancer Patients: A Retrospective Institutional Study.

Maghaireh GA, Price RB, **Abdo N**, Taha NA, Alzraikat H. Effect of Thickness on Light Transmission and Vickers Hardness of Five Bulk-fill Resin-based Composites Using Polywave and Single-peak Light-emitting Diode Curing Lights. *Oper Dent*. 2019 Jan/Feb;44(1):96-107. doi: 10.2341/17-163-L. Epub 2018.

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Amr ZS, Al Zou'bi R, **Abdo N**, Bani Hani R. Scorpion Stings in Jordan: An Update. *Wilderness Environ Med*. 2017 Sep;28(3):207-212. doi: 10.1016/j.wem.2017.05.003. Epub 2017 Jul 6.

Aldaoud N, **Abdo N**, Al Bashir S, Alqudah M, Marji N, Alzou'bi H, Alazab R, Trpkov K. Prostate cancer in Jordanian-Arab population: ERG status and relationship with clinicopathologic characteristics. *Virchows Arch*. 2017 Dec;471(6):753-759. doi: 10.1007/s00428-017-2160-9. Epub 2017 May 26.

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compounds by a collaborative competition. *Nat Biotechnol.* 2015 Oct;33(10):1109. doi: 10.1038/nbt1015-1109a.

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Eduati F, Mangravite LM, Wang T, Tang H, Bare JC, Huang R, Norman T, Kellen M, Menden MP, Yang J, Zhan X, Zhong R, Xiao G, Xia M, **Abdo N**, Kosyk O; NIEHS-NCATS-UNC DREAM Toxicogenetics Collaboration, Friend S, Dearry A, Simeonov A, Tice RR, Rusyn I, Wright FA, Stolovitzky G, Xie Y, Saez-Rodriguez J. **Erratum:** Prediction of human population responses to toxic compounds by a collaborative competition. *Nature Biotechnology.* 2015 Oct;33(10):1109. doi: 10.1038/nbt1015-1109a.

Eduati F, Mangravite LM, Wang T, Tang H, Bare JC, Huang R, Norman T, Kellen M, Menden MP, Yang J, Zhan X, Zhong R, Xiao G, Xia M, **Abdo N**, Kosyk O; NIEHS-NCATS-UNC DREAM Toxicogenetics Collaboration, Friend S, Dearry A, Simeonov A, Tice RR, Rusyn I, Wright FA, Stolovitzky G, Xie Y, Saez-Rodriguez J. Prediction of human population responses to toxic compounds by a collaborative competition. *Nat Biotechnol.* 2015 Sep;33(9):933-40. doi: 10.1038/nbt.3299.

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Eric F. Lock, **Nour Abdo**, Oksana Kosyk, Shannon H. O'Shea¹, Ruili Huang, Menghang Xia, Yi-Hui Zhou, Alexander Sedykh, Alexander Tropsha, Christopher P. Austin, Raymond R. Tice, Fred A. Wright, and Ivan Rusyn. "Quantitative high-throughput screening for chemical toxicity in a population-based in vitro model". *Toxicol Sci.* 2012 Apr; 126(2):578-88.

COURSES TAUGHT

MED 183 Introduction to Research and Evidence-Based Medicine
MED 291 Biostatistics to Medicine and Surgery Students
PH 311 Biostatistics (for Pharmacy, allied medical students)
MED 391 Biostatistics to Dentistry Medicine Students
MED 252 Respiratory system
MED 272 Hematopoietic and Lymphoid System
MED 262 Cardiovascular System
MED 283 Introduction to Community Medicine
MED 332 Neuroscience (2)
MED 433 Community Medicine
PH 720 Graduate level Environmental Health

PH 714 Graduate Level Biostatistics for Master in Public Health
PH 740 Research Design and Biostatistics: Master level course in Basic Medical Sciences (Master of Biochemistry, Pharmacology, Physiology, Anatomy, Forensic Sciences, and Pharmacy).
MED 284 Biostatistics and Health Informatics
Biostatistics I
PH 707 Clinical Research Methods (graduate level course for hospital medical residents)
PH 762 Epidemiology of Communicable Diseases (graduate level course)
PH 766 Epidemiology of Health Services (graduate level course)
DENT 707 Experimental Design and Biostatistics (graduate level course for dentistry residents)
Introduction to Public Health
Public Health
PH 799 A,B,C,D Thesis Courses.

GRADUATE STUDENTS

Academic Supervision and Thesis Committees (Master Students):

Main Advisor in Masters of Science in Public Health:

1. Nadia Ibrahim (2018)
 - Thesis title (Knowledge, Attitude, and Practice of Jordanian Women toward Prenatal Genetic Testing)
2. Amani Al-Hamed (2018)
 - Thesis title (Quantitative survey and potential health risk assessment of heavy metals in drinking water from different sources in Jordan)
3. Shahd Douglas (2018)
 - Thesis title (The Prevalence and determinants of Anemia in Jordan-A National Study)
4. Faten Sweidan (2018)
 - Thesis title (Quality-of-Life among Syrian refugees residing outside camps in Jordan relative to Jordanians)
5. Majd Al-Soukhni (2018)
 - Thesis title (Survival of patients with urinary bladder cancer in Jordan 2005-2014)
6. Amal Obeidat (2019)
 - Thesis title (Neonatal sepsis and its correlates in neonatal intensive care units in Northern Jordan)
7. Nada Altamimi (2020)
 - Thesis title (Potential health risk assessment of Bisphenol: A quantitative survey in drinking water from different sources in Northern Jordan)
8. Marwan Ajlouni (2021)
 - Thesis title (Screening for Bisphenols and Triclosan biomarkers and its potential role in infertility among the

Jordanian population)

9. Hana Khalilah (2021)

- Thesis title (Screening for phthalate biomarkers and its potential role in infertility & reproductive outcomes among the northern Jordanian population)

10. Tareq Al-Ahdal (2021)

- Thesis title (Impact of Climate Change on Diarrheal Diseases in Jordan in the Period between 2004-2018)

11. Reem Al Jowhali (2021)

- Thesis title (Impact of Climate Change on Chickenpox in Jordan 2004-2018)

12. Muath Muhesein (2023)

- Thesis title (Estimating population dietary exposure of pesticides residues: an exploratory study with deterministic approach)

13. Sharifeh Masaeed (Current)

- Thesis title (A comparative study of non-communicable diseases risk factors prevalence and determinants between Jordanian and Syrian populations. A nationwide cross-sectional STEPS 2019 survey)

14. Hassan Zawahreh (Current)

- Thesis title (The Impact of COVID-19 Quarantine on the Mental Health of Children and Adolescents in Palestine: A Cross-sectional)

15. Abeer Bdour (Current)

- Thesis title (The association between increased ambient temperatures and adverse psychological outcomes: Time-series analysis in Jordan)

16. Asma El-Selwi (Current)

- Thesis title (The impact of climate change and air pollution on cardiovascular and respiratory diseases A time series analysis in Jordan)

17. Amatakhaliq Ali (Current)

- Thesis title (Mental Health Assessment in Yemen After the War)

Co-advisor in Masters:

1. Lama Hussain (MS in Sciences in Public Health, 2015)

- Thesis title (Levels of mercury in skin lightening cosmetic products)

2. Alaa Alkhatib (MS in Pharmacy, 2016)

- Thesis title (Evaluation of therapeutic interventions in autistic patients: A retrospective study)

3. Khalil Abunaqera (MS in Sciences in Public Health, 2018)

- Thesis title (Catastrophic health expenditure among ex-Gazan families in Jerash camp, Jordan).

4. Abed Al-Majid Abu Shehab (MS in Sciences in Public Health, 2018)

- Thesis title (Characteristics and Survival analysis of Patients with Hodgkin and Non-Hodgkin Lymphoma in Jordan)
- 5. Aya Shatnawi (MS in Sciences in Public Health, 2019)
 - Thesis title (Quality-of-Life among diabetic and non-diabetic Syrian refugees)
- 6. Jalal Ibrahim (MS in Toxicology and Forensic Sciences, 2021)
 - Thesis title (Distance Learning and its efficiency among teachers of private schools during the COVID19 pandemic in Western Amman, Jordan).
- 7. Shahd Al Tawil (MS in Sciences in Public Health, Current)
 - Thesis title (The Association between Iron Deficiency Anemia and Thyroid Gland Disorders in Jordan)

Committee Member (Internal Examiner)

1. Batool Alkhatib (MS in Applied Biological Sciences, 2015)
 - Thesis title (Physio-biochemical and ultrastructural impact of (Fe₃O₄) nanoparticles on tobacco)
2. Rafeef Kafesha (MS in Applied Biological Sciences, 2016)
 - Thesis title (Impact of magnetically treated water on the growth and development of Tobacco (*Nicotiana tabacum* var. Turkish)
3. Razan Hawamdeh (MS in Applied Biological Sciences, 2016)
 - Thesis title (Family and case-control genetic study of MSX1 polymorphisms in peg-shaped teeth Jordanian population)
4. Bayan Obeidat (MS in Applied Biological Sciences, 2016)
 - Thesis title (Family-based association study of genetic analysis of paired box gene 9 polymorphisms in the peg-shaped teeth in the Jordanian Arab population)
5. Maha Mheidat (MS in Applied Biological Sciences, 2017)
 - Thesis title (Effect of lead on the physiological, biochemical, and ultrastructural properties of *Leucaena leucocephala*)
6. Nada Abu Diheem (MS in Applied Biological Sciences, 2018)
 - Thesis title (Genetic Analysis of *ABCA1* Gene of Primary Glaucoma in Jordanian Arab Population)
7. Alaa AlKhatib (MS in Public Health, 2017)
 - Thesis title (Assessment of drug use in Jordan using World Health Organization prescribing indicators)
8. Farah abu Nada (MS in Sciences in Public Health, 2018)
 - Thesis title (Epidemiology and survival of patients with breast cancer in Jordan: A national study)
8. Nuha Shugaa Addin (MS in Sciences in Public Health, 2021)
 - Thesis title (Serum magnesium levels in relation to metabolic syndrome: A national population based cross-sectional study from Jordan).
9. Ibtihal Hawatme (MS in Sciences in Public Health, 2022)
 - Thesis title (Epidemiology, survival, and related factors for cancer patients in Jordan)
10. Lubna Obeidat (MS in Sciences in Public Health, 2023)
 - Thesis title (The relation of hypophosphatemia and hypercalcemia to metabolic syndrome: a population-based cross-sectional study in Jordan)
11. Shahd Foudeh (MS in Sciences in Public Health, 2023)
 - Thesis title (Jordanian Healthcare Workers' Attitudes Toward Stuttering and People who Stutter).

Committee Member (External Examiner)

1. Asma Al Qadiri (MS in endocrinology 2023)

- Thesis title (Prevalence and characterization of eating disorders in a sample type 2 diabetic patients from the national center of diabetes, endocrinology, and genetics (NCDEG), Jordan).
- 2. Lara Makhloof (MS in endocrinology 2023)
 - Thesis title (Knowledge and perception of non-nutritive sweeteners among type 2 diabetic patients attending NCDEG)
- 3. Bassem Jfeiri (MS in endocrinology 2023)
 - Thesis title (Prevalence of diabetes related distress among type 2 diabetic patients attending NCDEG)
- 4. Kawthar Oneizat (MS in endocrinology 2023)
 - Thesis title (Self-monitoring adherence among type 2 diabetes attending NCDEG)

RESEARCH GRANTS

2016

242-2016 Do women in Jordan have the right to prenatal genetic screening? University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. 2016. (JD 1160).

2016

563-2016 Quantitative survey and potential health risk assessment of heavy metals in drinking water from different sources in Jordan. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. 2016. (JD 6500)

2017

229-2017 The prevalence and determinants of Anemia in Jordan-A National Study. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. 2017.

2017

97-2017 Quantitative assessment of Fluoride and microorganisms in different drinking water sources in Northern Jordan. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. 2017. (JD 6433).

2017

545-2017 Determinants and risk factors for bladder cancer survival rates in Jordan. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. 2017.

2017

546-2017 Determinants and risk factors for Lymphoma cancer survival rates in Jordan. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. 2017.

2017

265-2017. Quantitative assessment of Bisphenol A in drinking water in Northern Jordan. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. 2017. (JD 6260)

2017

270-2017 Assessing the quality of life of Syrian refugees outside

of camps compared to Jordanian's in north Jordan. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. 2017. (JD 3075)

2018

22-2018 Out-of-Pocket expenditures among ex-Gazan refugees in Jerash Camp, Jordan. (JD 1300)

2018

211-2018 Neonatal Sepsis and its associated risk factors in Northern Jordan. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. (JD 1100)

2019

560-2018 Screening for Bisphenol Biomarkers and its Potential Role in Infertility among the Jordanian Population. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. (JD 6500).

2019

567-2018 Screening for Triclosan Biomarkers and their Potential Role in Infertility & Reproductive Outcomes among the Jordanian Population. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. (JD 7875).

2019

482-2018 Screening for Phthalate Biomarkers and its Potential Role in Infertility & Reproductive Outcomes among the Jordanian Population. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. (JD 6500).

2020

595-2019 A Qualitative, Meaning-Centered Study of Prenatal Screening and Diagnosis in Jordan. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology.

2020

761-2019 The impact of climate change on Diarrheal Diseases in Jordan 2004-2018. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. (JD 6490)

2020

762-2019 The impact of climate change on Chickenpox in Jordan 2004-2018. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. (JD 4250)

2020

319-2020 Jordanian adults' behavior responses to COVID-19 pandemic. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology.

2021

598-2021 Dietary exposure of Jordanian population to pesticides residues. University Research Committee. Deanship of Scientific Research, Jordan University of Science and

Technology.

2022

178-2022 The Potential Effect of Using Marjoram Tea on Menstrual Irregularities. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology.

2022

736-2022 The impact of climate change and air pollution on cardiovascular and respiratory diseases A time series analysis in Northern Jordan. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. (JD 1100).

2023

258-2023 The association between increased ambient temperatures and adverse psychological outcomes: Time-series analysis in Jordan. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. (JD 900).

2023

153-2023 Knowledge and attitude of medical students toward organ donation and brain death in Jordan: a cross-sectional study. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology.

2023

20-2023 Personality Traits of Diabetic patients (DM type 2) and Their Effect on Glycemic Control, Anxiety, and Depression in Jordan. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology.

2023

283-2023 The Impact of COVID-19 Quarantine on the Mental Health of Children and Adolescents in Palestine: A Cross-sectional study. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology.

2024

837-2023 Mental Health Assessment in Yemen After the War. University Research Committee. Deanship of Scientific Research, Jordan University of Science and Technology. (JD 250)

2022 -2027

1U01TW012237-01 **NIH grant** GeoHealth Hub for Climate Change and Health in the Middle East and North Africa-Jordan LMIC Award (\$3-million)

Responsibilities:

1. Train and advice students on climate change and health
2. Primary investigator in Aim1: Determine the association between maternal serum nitrate levels and birth weight of newborns among populations with high water nitrate levels.

REFERENCES

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