

Omar Abu-Ghalyoun

Phone: +962796338061

Email: Omar.ghalyoun1@gmail.com

EDUCATION

Ph.D. 2019

Western Michigan University
Dissertation: *The Role of Sampling Variability in Developing K-8 Preservice Teachers' Informal Inferential Reasoning*

M. S. 2009

The University of Jordan
Thesis: *Travelling Wave Solutions for a Non-Linear Diffusive Partial Differential Equation*

B. S. 2005

The University of Jordan
Mathematics

PROFESSIONAL EXPERIENCES

Mathematics Teaching

2015-2019

Graduate Instructor, Western Michigan University.
Taught courses: Pre-Algebra, Algebra I, Probability and Statistics (for pre-service teachers), and Excursions in Mathematics (selected topics from Graph theory, Financial Math, and Statistics).

2005-2008

Mathematics Teacher, Cambridge High School /Jordan.
Taught Curriculum: IGCSE and SAT

Curriculum Development

2020-present

Deputy Director and head of the Math Curriculum Development Team.
National Center for Curriculum Development. Amman/Jordan.

2014-2016

Mathematics Curriculum Consultant.
The UNESCO Office for Iraq in Amman/Jordan.

2008-2014

Mathematics Curriculum Writer and Project Manager
Obeikan Education Co.

Teacher Education

2019

International Teacher Trainer for GCSE
Pearson Education (Sri Lanka, Egypt, and Cyprus).

2017-2018

Graduate Teacher Educator, Western Michigan University.
Taught and participated in designing a curriculum for a Probability and Statistics course for pre-service teachers.

2014

Educational Consultant with Pearson Education Limited– Saudi Arabia Branch Office. Worked for the Mathematics and Science Blended Professional Development Program (BPDP).

PROFESSIONAL TRAINING

2010

Project Management Training and Certification Program
PMP® 62 Contact Hours (PDUs) of Project Management Education
Method Corporation/Jordan
<http://methodcorp.com/>

LANGUAGES

Arabic: Mother tongue

English: Excellent command (highly proficient in both spoken and written English). Scored 93 on the Michigan English Language Assessment Battery (MELAB).

PUBLICATIONS

Abu Ghalyoun, O., & Abualrub, M. (2011) Traveling Wave Solutions for a non- Linear Diffusive Partial Differential Equation. *Journal of Applied Functional Analysis*, 6, 308-313

Abu Ghalyoun, O. (2017). Developing K-8 Preservice Teachers' Informal Statistical Inference in a Dynamic Software Environment. Proceedings of the 21st annual conference of the Association of Mathematics Teacher Educators, Huston, TX

Abu Ghalyoun, O. (2018). Developing K-8 Preservice Teachers' Informal Inferential Reasoning Using Sampling Simulation. A poster at the 13th International Conference on the Learning Sciences. London, UK.

Abu Ghalyoun, O. (2018). Preservice Teachers' Use of Dynamic Software to Explore Sampling Variability. Proceedings of the 22nd annual conference of the Association of Mathematics Teacher Educators, Orlando, FL.

Abu Ghalyoun, O. (2021). Pre-Service Teachers' Difficulties in Reasoning about Sampling Variability. Accepted for publication at Educational Studies in Mathematics.

ARTICLES SUBMITTED FOR PUBLICATION

The Role of Sampling Variability in Developing K-8 Preservice Teachers' Informal Inferential Reasoning. *Journal of Statistics Education*.

SCHOOL CURRICULUM MATERIALS

Participated in translating, editing and localizing the Arabic versions of Algebra 1, Algebra 2, and Geometry by Glencoe McGraw-Hill, which have been adopted for public schools by the Ministries of Education in Saudi Arabia and Bahrain.

Participated in translating, editing and localizing the Arabic version of Math Connects series by Macmillan McGraw-Hill, which has been adopted for public schools by the Ministry of Education in Saudi Arabia, Bahrain, and the Supreme Education Council in Qatari.

Participated in editing and localizing the Arabic version of Vitamin Online Instructional Support System for the Saudi Arabian curriculum. Vitamin, a product of SIBET Education and Information Technology Inc., is highly praised in Turkey and USA.

Participated in reviewing the Advanced Supplementary Curriculum by Nord Anglia Education, UK. A curriculum series that has been adopted by King Abdul-Aziz Foundation for Giftedness and Creativity as textbooks for gifted students in the Kingdom of Saudi Arabia.

Tasked by the United Nations Educational, Scientific, and Cultural Organization (UNESCO), I participated in developing K-12 mathematics textbooks for the Republic of Iraqi.

PROFESSIONAL MEMBERSHIPS

Psychology of Mathematics Education-North American Chapter (PME-NA)

Association of Mathematics Teacher Educators (AMTE)

Michigan Association of Mathematics Teacher Educators (M-AMTE)

CONFERENCES

Attended the Conversation Among Colleagues Conference: Supporting Teachers Mathematically and Pedagogically. Wayne State University, Detroit, USA, March 21, 2015

Attended the Thirty-Seventh Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Michigan State University, East Lansing, USA, November 5-8, 2015

Attended the Conversation Among Colleagues Conference: Bringing the Standards for Mathematical Practice to Life. Western Michigan University, Kalamazoo, USA, March 19, 2016

Attended the Teaching Mathematics Content Courses Conference: Prioritizing Particular Content and Practices in the Mathematics Education of Teachers: Making Hard Decisions Together. University of Michigan, Ann Arbor, USA, October 29, 2016

Attended the Conversation Among Colleagues Conference: Developing Systems to Face the Challenges of Today and Tomorrow. Michigan State University, East Lansing, USA, March 18, 2017

Attended the Thirty-Nine Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Indianapolis, USA, October 5-8, 2017

Attended the Twenty-Second Annual Conference of the Association of Mathematics Teacher Educators. Houston, USA, Feb 8-10, 2018

Attended the Twenty-Third Annual Conference of the Association of Mathematics Teacher Educators. Orlando, USA, Feb 8-10, 2019

REFERENCES

Mariana Levin, Ph.D.

Doctoral dissertation advisor / Western Michigan University

mariana.levin@wmich.edu

Telephone: 0012693874592

Marwan Abualrub, Ph.D.

Masters thesis advisor/ Khalifa University

marwan.saeed@ku.ac.ae

Telephone: 971555303818

Kirsty Eisenhart, Ph.D.

Director of the Developmental Math Program/ Western Michigan University

kirsty.eisenhart@wmich.edu

Telephone: 0012693874117