

CURRICULUM VITA

Ahmad M. Qablan, PhD

Email: (amq06@hu.edu.jo)

CURRENT POSITIONS

- Associate Professor of Science & Sustainability Education, Hashemite University, Jordan.
- International Expert on Climate Change Education, UNESCO.
- National Coordinator of Education for Sustainable Development, UNESCO.
- Consultant on Setting National Education Standards, Ministry of Education, Jordan.
- Member at the National Science Curriculum Advisory Committee, MOE, Jordan

GRANTS & HONORS

2016-2017	Authoring a Chapter on Teacher Education for Sustainable Development for the UNESCO publication “Education on the Move”. UNESCO, Paris.
2013-2014	National consultant and leader of the national study on Out of School Children Initiative, UNICEF Regional Office, Amman, Jordan.
2012	Authoring regional case studies on Education for sustainable development for the Decade for Education for Sustainable Development M &E Report, 2012. A UNESCO funded project.
2011	Preparing Mid-Term Evaluation for Education Reform Support Program in Jordan. A USAID funded project to MOE, Jordan.
2011	Preparing Teacher Education Standards for Education for Sustainable Development. A grant funded by the UNESCO Regional Bureau for Education in the Arab States.
2010	Redesigning and reorienting university curricula to address education for sustainable development. An EU Funded Project.
2010	Granted Early Promotion to Associate Professor , Hashemite University
2010	Developing Computer Adaptive Tests for School Science Curricula in Jordan. Grant from Jordan Higher Council for Science and Technology.
2009	MIS Online curriculum situational analysis study. A USAID funded project to MOE, Jordan.
2008	Evaluation of ICT Resources Provision, Access and Utilization in Jordanian Schools. A World Bank funded project to MOE, Jordan.
2007	Supporting early career science educators. A grant from National Association of Research in Science Teaching-USA
2006, 2007,2008	Conducting several research projects. The Hashemite University.

PROFESSIONAL EXPERIENCE	
2011-2014 (<i>Seconded</i>)	<p>Senior Programs Manager at Queen Rania Teacher Academy (QRTA): Responsible of:</p> <ul style="list-style-type: none"> Establishing and Managing several programs such as science teacher training network, Education for Environmental Sustainability teacher training network, Novice Teachers Training Program, one of the <i>Global Affairs – Canada</i> funded projects to Jordan. <p>I was responsible to prepare projects’ proposals, projects’ budgets, action plans, projects’ implementation, and reporting results to donor.</p> <ul style="list-style-type: none"> Core person in preparing the blue version of Jordan’s National preservice teacher education program in QRTA. Co-Manager of Education in Emergency project, A, UNESCO funded project to QRTA. Team Leader & Designer for Public Actions for Water, Energy and Environment Training Project. A USAID funded project to QRTA, Jordan. Designer and developer of science teacher training materials, QRTA, Jordan.
2010- Present	<p>Associate Professor in Science Education Department of Curricula & Instruction College of Educational Sciences The Hashemite University Zarqa, Jordan</p>
2006- 2010	<p>Assistant Professor Department of Curricula & Instruction College of Educational Sciences The Hashemite University Zarqa, Jordan</p>
2002-2005	<p>Research Assistant Department of Biomedical Engineering College of Engineering Florida State University Tallahassee, FL</p>
2000-2002	<p>Teaching Assistant Department of Curricula & Instruction College of Educational Sciences The Hashemite University Zarqa, Jordan</p>

1995-2000	High School Science Teacher Ministry of Education Amman, Jordan
1992-1995	Research Assistant Department of Biological Sciences Yarmouk University Irbid, Jordan
PROFESSIONAL PREPARATION	
2005	Doctor of Philosophy College of Education Department of Middle and Secondary Education Florida State University, Tallahassee, FL <u>Major Field of study:</u> Science Education. <u>Dissertation:</u> ESD at the university level.
2000	Master of science education Yarmouk University Irbid, Jordan
1995	Bachelor of biology Yarmouk University Irbid, Jordan

SCHOLARLY & CREATIVE ACTIVITIES

Books

- Qablan, Ahmad. (2009). [Education for sustainable development at the university level: interactions of the need for community, fear of indoctrination, and the demands of work](#). VDM Verlag: Germany.
- Qablan, A., Southerland, S., & Saka, Y. “Using Activity Theory to Identify Barriers to Education for Sustainable Development”. In: Hand book of diversity in environmental education research, 2009, D.B. Zandvliet (*ed.*), Sense Publishers: New York, 77-102.
- Haik, Yousef., Sawafta, Reyad., Ciubotaru, Irina., Qablan, Ahmad., Tan, Ee Lim., and Ghee Ong, Keat. “Magnetic Techniques for Rapid Detection of Pathogens. In Hand book of [Principles of bacterial detection; biosensors, recognition elements, and Microsystems](#), 2008, Zourob., Souna Elwary., & Anthony Turner (*Eds*), Springer publishers: New York, 415- 428.
- Qablan, A. (2016). Preservice Teacher Preparation and Training on ESD. A book chapter in Education on the Move Book for UNESCO.

Refereed Published Papers

- Qablan, A. (2016). Teaching and Learning about Science Practices: Insights and Challenges in Professional Development, *Teacher Development Journal*, 20, (1); 76–91.
- Qablan, A., Alshamrani, S., Sabbah, S., and Aldahmash, A. (2015). Ensuring Effective Impact of Continuing Professional Development: Saudi Science Teachers' Perspectives. *Eurasia Journal of Mathematics, Science & Technology Education*, 11(3), 619-631
- Qablan, A. (2015). Facilitating Elementary Science Teachers Implementation of Inquiry-Based Science Teaching, *Teacher Development Journal*, 19(1);3-21..
- Qablan, A., & Southerland, S., & Saka, Y. (2011). “My job isn’t to tell them what to think”: The Fear of Indoctrination and How it Shapes Education for Sustainable Development. *Electronic Journal of Science Education*, 15(2).
- Qablan, A., Jaradat, S., & Al-Momani, I. (2010). Elementary Science Teachers' Perceptions of Educational Reform in Relation to Science Teaching in Jordan. *Jordan Journal of Educational Sciences*. *Jordan Journal of Educational Sciences*, 6(2). 161-173.
- Qablan, A., Khasawneh, S., & Abu-Tineh, A., & AL-Omary, A. (2010). Measuring the level of Pedagogical Discontentment among Jordanian Science and Vocational Student Teachers. *The Educational Journal*, 24(95),1-24.
- Qablan, A. & Al-Qaderi, S. (2009). How to Change University Faculty Members' Attitudes and Behavior in the Context of Education for Sustainable Development. *Applied Environmental Education and Communication* 8,184-194.
- Qablan, A., Abuloum, A., & Abu Al_Ruz, J. (2009). Effective integration of ICT in Jordanian schools: An analysis of pedagogical and contextual impediments in the science classroom. [*Journal of science education and technology*](#), 18(2), 291-300.
- Qablan, A., Abu Al Ruz, J., Khasawneh, S., Al Omary, A. (2009). Education for Sustainable Development: Liberation or Indoctrination? An Assessment of Faculty Members' Attitudes and Classroom Practices. [*International Journal of Environmental and Science Education*](#), 4(4), 401-417.
- Qablan, A. & Khasawneh, S. (2009). Digging Deep: Understanding the Practice of Mentoring Prospective Science Teachers in an Urban School Context in Jordan. [*PAACE Journal of Lifelong Learning*](#), Vol. 18.
- Qablan, A., Balinsky, M., Caruthers, S., Myoung-ok Kim., Saka, Y., Southerland, S. (2009). Why are we doing this? Preservice Science Teacher's Interpretations of the Role of Open Inquiry in Understanding Teaching. [*Journal of Intuition Research*](#), 14(1), 24–42.
- Qablan, A , AL-Ruz, Jamal, & De Baz, Theodora., and Al-Momani, I. (2009). I Know It's So Good But I Prefer Not To Use It: An Interpretive Investigation of Jordanian Preservice Science Teachers' Perspectives about Learning Biology through Inquiry. [*International Journal of Teaching and Learning in Higher Education*](#), 20(3).
- Qablan, A., Khasawneh, S., & Al-Omari, A. (2007). Awareness of Sustainability Issues among Science and Vocational Education Students at the Hashemite

- University: An Empirical Investigation. [*Mediterranean Journal of Educational Studies*, 12\(2\)](#), Malta.
- Qablan, A. (2006). Understanding the Dynamics of Internship Experience: The Case of the Hashemite University Preservice Elementary Science Teachers. [*Jordan Journal of Educational Sciences*, 2\(4\)](#), 271-28.
- Jaradat, S., & Qablan, A. (2010). Increasing Flexibility and Value of Management Education during the Present Economic Downturn. *Strategic Change*, 19, 250-274.
- Jaradat, S., Qablan, A., & Barham, A. (2011). An Activity Theory Approach to Analyze Barriers to a Virtual Management Information Systems (MIS) Curriculum. *Journal of Interactive Online Learning*, 10(1), 15-35.
- Al Basheer, A., Khasawneh, S., Abu-Loum, A., & Qablan, A. (2009). Online Testing: Perceptions of University Students in Jordan. *Journal of Institutional Research South East Asia*, 7(2), 56-70.
- Kasawneh, S., & Qablan, A. (2008). Assessing the Level of Emotional Intelligence among Future Vocational Workforce in Jordan. [*Jordan Journal of Educational Sciences*, 3\(2\)](#), 193-201.
- Imheideh, F., Al-Basheer, A., & Qablan, A. (2008). The Characteristics of the Role of Early Childhood Education Mentors in Jordan. [*Research in Post Compulsory Education*, 13\(1\)](#), 19-38.
- AL-Omary, A., Qablan, A., Kasawneh, S. (2008). Faculty Members' Intention to Stay in Jordanian Public Universities. [*International Journal of Applied Educational Studies*, 1\(1\)](#); 27-43.
- Kasawneh, S., & Qablan, A. Abu-Tineh, A., & Olemat, M. (2009). Perceptions of vocational teachers regarding the extent of application of curriculum standards for selected vocational programs in Jordan utilizing the state of California standards for vocational programs quality and effectiveness. [*Dirasat*, 36\(1\)](#), 706- 718.
- AL-Omary, A., Qablan, A., & Qaraeen, K. (2008). Academic Dishonesty among Students at the Hashemite University in Jordan. [*The Educational Journal*, 23\(91\)](#).
- Khasawneh, S., Qablan, A., Olimat, M., & Abu-Tineh, A. (2008). Measuring the perceptions of vocational education students regarding the application of national vocational teacher standards in the university classroom: The key to human resource education in Jordan. [*International Journal of Applied Educational Studies*, 2\(1\)](#), 24-37.
- AL-Omary, A., Qablan, A., Khasawneh, S., Khasawneh, A. (2008). Leadership and adaptability styles of deans at public Jordanian universities. [*Al-Najah University Journal*, 22\(6\)](#), 1922-1948.
- Saleh, H., Khasawneh, S., Qablan, A., & Al-Omari, A. (2008). Sustaining the national workforce in Jordan: An investigation of factors impact students' enrollment in vocational education majors. [*International Journal of Applied Educational Studies*, 2\(1\)](#), 62-70.
- Al-Qaderi, S., Al-Momani, I., & Qablan, A. The epistemological beliefs of teachers of the first three grades to learn scientific concepts and its relationship with their level of expertise. *Qustantinah Journal*. Algeria.

- Abu AL-Ruz, J., & Qablan, A. (2011). How Do Science Teachers, Students, and School Principals Evaluate the Availability, Connectivity, and Utilization of ICT Resources at Jordanian Schools?, *Turkish Journal of Science Education*, 8(3), 14-29.
- Al Sharija, M., & Qablan, A. (2012). Principals, Teachers, and Student's Perception of the Information and Communication Technology in Kuwait Secondary Schools (Rhetoric and reality), *Journal of Education and Practice*, 3(12);91-99.
- Al Sharija, M., & Qablan, A. (2012). Leadership Strategies for Integration of ICT in Kuwait Schools: Perceptions, Practices and Possibilities, *Public Policy and Administration Research*, 2(6), 18-28.
- Barham, A., & Qablan, A. & Fayez, M. (2012). Developing the Mind of Tomorrow: Exploring Students' Strategies Involved in the Generalization of Linear Patterns. *Cypriot Journal of Educational Sciences*, 7(1); 33-44.
- Saleh, H., Khasawneh, S., Qablan, A., & Al-Omari, O. (2011). Resolving the Shortage of Vocational Workforce In Jordan: An Islamic Perspective. *Dirasat*, 38(3); 1100-1109.

Papers Accepted for Publication

- Qablan, A. (2017). Continuous Decline of Jordanian Science Students' Academic Performance in TIMSS: Reasons and Resolutions. Mu'tah Lil-Buhuth Wad-Dirasat.
- Qablan, A & Bataineh, O. (2017). Pre-Primary Education in Jordan: Issues of Access and Participation. *C·E·P·S Journal*.

Papers In Review

- Qablan, A. (In Review). Using A Whole School Approach to alter students' Attitudes and Behaviors and Teachers' Perceptions and their Practices towards Sustaining Environmental Resources. DIRASAT Journal.
- Qablan, A., Zohdi, M., Nofal, D., Musallam, A., & Mashaqbeh, R. (In Review). Comparison of Science and Engineering Concepts in Next Generation Science Standards with Jordan National Science Curriculum Standards. *Research in Science Education*.

Conference Papers

- Qablan, A. (2013). Expert Consultation on Guidelines on Climate Change Education in the Context of Education for Sustainable Development. UNESCO Headquarters, Paris (April 8-10).
- Qablan, A. (2012). Education for Sustainable Development Practices in Jordan and the Arab countries. The International Policy Dialogue Forum. The International Task Force on Teachers for Education for All (EFA) in collaboration with UNESCO and the Ministry of Education of the Republic of Namibia, Windhoek, Namibia 28 and 29.
- Qablan, A. (2012). The 7th biennial conference of the international network of Teacher Education Institutions to reorient educational curricula to address Education for

- Sustainable Development. A UNESCO sponsored event. York University, Toronto, Canada.
- Qablan, A. (2011). Activity Theory to Analyze the Effectiveness of Professional Development and Change in Practice. A paper presented in the 2011 conference of the European Science Education Research Association, Lyon, France.
- Qablan, A., & Sulieman, S. (2011). ESD -Teacher Education Guidelines/Learning Modules in the Arab Region. A paper presented at the conference of Science and Mathematics Education Center, Beirut April 9.
- Qablan, A. (2011). Education for Sustainable Teachers' Education Guidelines. Paper presented in a workshop on capacity building and exchange of experiences on the Education for Sustainable Development in Teacher Education Curriculum Guidelines in the Arab States, Beirut, 18-20 January 2011.
- Qablan, A., & Al-Qaderi, S. (2010). How to Change University Faculty Members' Attitudes and Behavior in the Context of Education for Sustainable Development. A paper presented in the 2010 conference of the National Association of Research in Science Teaching, Philadelphia, PA, USA.
- Qablan, A. (2009). ICT and Science education: Lessons Learned from Jordanian Experience. A paper presented in the 2009 conference of the Jordan Society for Scientific Research. Amman, Jordan.
- Qablan, A. (2009). Education for Sustainable Development: Liberation or Indoctrination? An Assessment of Faculty Members' Attitudes and Classroom Practices. A paper presented in the 2009 conference of the European Science Education Research Association. Istanbul, Turkey.
- Qablan, A. (2009). Analyzing the Various Internal and External Contradictions that Surround the Effective Integration of ICT in Jordan Schools: A Case Study Approach. A paper presented in the 2009 conference of the European Science Education Research Association. Istanbul, Turkey.
- Qablan, A. (2009). *Evaluation of ICT Resources Provision, Access and Utilization*. A report presented in the Role of Hashemites on Enhancing Education in Jordan Conference. Zarqa, Jordan.
- Qablan, A., & Southerland, S. (2007). Understanding the Dynamics of Education for Sustainable Development in the University level: An analysis of the personal and contextual contradictions. A paper presented in the 2007 conference of the National Association of Research in Science Teaching, New Orleans, LA.
- Qablan A., Haik, Y., Zwolinski, A. & Chen C-J. (2004). Glucometers to Detect Heart Attack. Proceedings of the 2004 Nanotechnology Conference and Trade Show, Vol. 1, pp. 215-216, Boston, USA.
- Qablan, A., Ramakrishna Sista., Haik, Yousef and Palanki, Srinivas.(2005). Applications of Magnetic Nanoparticles in Biotechnology and Biomedicine. A paper presenting at the American Institute of Chemical Engineers (AIChE).
- Qablan, A. (2005). Teaching Sustainable Development in an American University. *Paper presented at the annual meeting of the North American Association For Environmental Education*, Oct 24, 2005.

TECHNICAL & PROFESSIONAL REPORTS

- Qablan, A. (2013). National report on out of school children. UNICEF, Jordan.
- Qablan, A. (2010). Management Information Stream-Online Situational Analysis Study. A national report prepared for the USAID-Jordan and Jordan Ministry of Education. Amman, Jordan.
- Qablan, A & Abuloum, A. (2008). [*Evaluation of ICT Resources Provision, Access and Utilization*](#). A national report prepared for the World Bank and the National Center for Human Resources Development (NCHRD). Amman, Jordan.
- Qablan, A . (2011). Mid-Term Evaluation for Education Reform Support Program in Jordan. USAID funded project.
- Qablan, A. (2013). Jordan Country Study Report on Out of School Children. UNICEF, Amman.

Training & Professional Development:

Delivered:

- Designing several workshops training materials for Public Actions for Water, Energy and Environment project, A USAID funded Project, QRTA, Amman, Jordan.
- Designing training material for Jordan MOE induction program for science teachers, 2012.
- Designing and delivering several workshops materials for science teachers in Jordan and Palestine. (2011- Present)
- Designing and delivering training material for the department of Educational Standards, Jordan's Ministry of Education.

Received:

- Adult learning Train of Trainers. A workshop provided by Dr. Richard Lemon and Dr. Dian Ullman (University of Connecticut, USA). QRTA March 23-25, 2014. Amman, Jordan.
- Teach like A Champion. A workshop provided by Doug Lemov, the Managing Director of Uncommon Schools of NY. QRTA, October 16-18, 2012. Amman, Jordan.
- Mobile Technology and the Future of Learning, a workshop provided by Dr. Paul Kim, Chief Technology Officer and Assistant Dean for Stanford University School of Education, QRTA, October 3, 2012. Amman, Jordan.
- Raising Cain: Protecting the emotional lives of boys. A training workshop provided by Dr. Michael Thompson. Kings Academy, September 29, 2012. Madaba, Jordan.
- MS-Project. A workshop provided by Jordan Education Initiative August 2012, Amman, Jordan.

PROFESSIONAL AFFILIATION

Member in the National Association of Research in Science Teaching, USA
Member in the North American Association of Environmental Education, USA
Member in the European Science Education Research Association
Member in the Society of Friends of Scientific Research, Jordan

TEACHING & INSTRUCTION

- **Graduate Advisor/Co-Advisor for many MA and PhD theses**
- **Development of Courses**

2005	Learning Biology through inquiry.
2006	Learning chemistry through inquiry.
2007	Biology for non-majors
2010	Methods of research in science education
2013	Computer in Education – Graduate Course
2014	Hands-On Science Teaching- Graduate Course
2016	Teaching science for elementary science teachers.

SERVICE TO PROFESSIONAL ORGANIZATIONS

2010 -Present	UNESCO Education for Sustainable Development Teacher Education Project Coordinator
2010 - Present	Designer of training material for science teachers, Queen Rania Teacher Academy, Amman, Jordan.
2009-2011	Award's Assessor in Here Majesty Queen Rania AL-Abdullah Award for Excellence in Education.
2007- Present	Reviewer for Strand 10- Environmental education, National Association for Research in Science Teaching Paper Proposals.
2007- Present	Editorial Review Board, International Journal of Environmental and Science education
2007- Present	Editorial Review Board, Electronic Journal of Science Education.
2010- Present	Editorial review board, Journal of Research in Science Teaching.
2010- Present	Editorial review board, Journal of Computers in Human Behavior.
2011-Present	Editorial review board, Jordan Journal of Educational Sciences.
2011-Present	International Journal of Science and Mathematics Education