Curriculum Vitae

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| Dr. Mohammed F. M. Abu-Owda  |   |
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| Personal Profiles:  |  |

**Name:** Mohammed F. M. Abu-Owda

**Home Address:** Al-Nasser Street, Gaza Strip, Palestine.

**Work Address:**The Islamic University of Gaza, Faculty of Education, Department of curriculum and Methodology, P.O. Box.108, Gaza, Palestinian National Authority, Palestine.

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**Date of birth:** 23th January 1982

**Nationality:** Palestinian

**Marital status:** Married with Five Children

**Languages:** Arabic           (Native)

                  English         (Good)

Education and Qualifications:

* **PhD, specializing in Curriculum and Science teaching methods, Ain-shams University – Egypt, 30th August, 2012.**
* **M.Sc., specializing in curriculum and science teaching methods, Islamic University of Gaza, 26th August, 2006.**
* **Diploma, specializing in education, Islamic University of Gaza, March, 2005.**
* **B.Sc., in Biological science from the Islamic University of Gaza, 12th September, 2003.**

Conferences and Meetings:

* **The Effectiveness of an Educational Environment Based on Learning Entries for Developing Mathematical Communication Skills among Visually Impaired Students in Gaza.** IUG Journal of Humanities Research**, 28 (6), 2020.**
* **The Effect of Employing Curriculum Based on Integral Activity to Develop Scientific Thinking Skills in Science and Life Course among 4th Grade Students in Gaza.** IUG Journal of Humanities Research**, 28 (4), 2020.**
* **The Effect of STEM Curriculum Based on Islamic Perspective on 9th Grade Talented Female Students' Critical Thinking in Gaza.** International Journal of Elementary Education, **8 (4), 80-85, 2019.**
* **The Science Curriculum based on STEM Approach with Islamic Perspective and its effect on Improving Love of Learning among 9thstudents in Gaza.** Journal of Humanities and Social Science**, 24 (8), 33-38, 2019.**
* **Effect of a Science Unit "Light & Life" designed according to the Integrative STEM approach on the Improvement of Scientific Practices among 9th grade students.** Journal of Research & Method in Education**, 9 (3), 46-50, 2019.**
* **Designing a science curriculum model based on STEM with Islamic perspective for 9th talented students.** International Conference on Business, Education, Innovation & Social Sciences **(ICBEISS 2019), (eISBN: 978-967-16859-3-8), 2019**
* **The Effect of Using Solving Problems Strategy to Improve the Divergent Thinking Skills in Science Course among Female Students of Ninth Grade.** International Journal of Research in Education and Psychological, Mar 2016. Co-Operative research.
* **Evaluation The Content of "Life Skills" Books in the Three Classes in the light of Modern Trends.** Sana'a University Journal of Educational & Psychological Science Mar 2016. Co-Operative research.
* **The Effectiveness of Using Virtual Lab in Science Course to Improve Visual Thinking Skills among Female Students of the Ninth Grade.** International Journal of learning Management System (IJLMS), Vol. 3, No. 1, January 2015. Co-Operative research.
* **The Effect of Using Thinking Maps Strategy to Improve Science Processes in Science Course on Female Students of the Ninth Grade.** Science Journal of Education. Vol. 2, No. 2, 2014, pp. 44-49. Co-Operative research.
* **Evaluation of Management Quality Processes Associated With the Islamic University Teacher According to Point of View.** The Fourth International Arab Conference on Quality Assurance in Higher Education, Zarqa University of Jordan, 1-3 April 2014**.** Co- operative research.
* **Virtual Lab – is One of Virtual Environments.**  Introduced sheet paper for the study day practices, "virtual instructional environments", Islamic University, 10Mar 2014**.**
* **New technique to takle pushing up in Palestine.** Introduced sheet paper for the study day practices, pushing up in Palestine "Problems and solutions", Islamic University, 23 Dec 2013**.**
* **Virtual Lab – New vision for learning.** Introduced sheet paper for the study day practices, vision and creative experiences in teaching, Al-Aqsa University 15 May 2013**.**

* **Suggested model for quality standards of higher education institutions in Palestine.**

The Tired International Arab Conference on Quality Assurance in Higher Education, Al-zaytoonah University of Jordan, 2-4 April 2013**.** Co-operative research.

* **Directing the acceptance Policy of the Universities under the balance between high education output and Job market needs in the educational process in Gaza.** The International conference on the high education in the Arab world: future prospects**,** Islamic University – Gaza, 15-18 January 2013**.** Co-operative research.
* **Program Using virtual lab in Bio-Technology to Improve the scientific inquiry skills in The Islamic University Students in Gaza**. Scientific research magazine in education, Women's Collage, Ain Shams University, No13, 2012**.** Co-operative research.
* **Program using virtual lab in Bio-Technology to Improve the attitude toward the achievement in The Islamic University Students in Gaza.** Scientific research magazine in education, Women's Collage, Ain Shams University, No13, 2012**.** Co-operative research.
* **Evaluation some of scientific thesis in the educational technology in the light of the essential curriculum standers**. High study conference and its rule in servicing society. from 19 to 20 April 2011. Co-operative research.
* **Mobile Learning – introduced vision for using mobile learning in education.** Introduced Sheet paper for the study day technology and e-learning, Islamic University, 20 February 2011.
* **Improving the Quality of Practical Training and micro-teaching program in the Technology Education Program at Universities and colleges in Gaza Strip**. 2010. Co-operative research.
* **Technology literacy level to the students of grade ten under the technology literacy sides technical education,** A Conference Technical and Vocational Education in Palestine ( reality, challenges and ambition), University college of applied sciences, 12-13, October 2008. Co-operative research.
* **The evaluation of the education means and the samples which are found in the center of the means in the Islamic university according to the qualified in standers**. The Third educational conference in Palestine, Quality in general Palestinian education, (as an Excellence entrance), Islamic university – Gaza, 30-31 October 2007. Co-operative research.
* **The evaluation of the scientific content to the technical and cultural curriculum which is Teached to the students of grade ten under the technology literacy,** Islamic university magazine – Gaza. Co-operative research.

Supported Research Project:

* **Improving the Quality of Technology Education Teacher Preparation Programs in the Universities and Colleges in Gaza Strip**. Supporting project from the International Bank and the united Europe, in 2010.
* **Using virtual labs in designing the practical experiments in biotechnology.** Supporting project from Scientific Research, Islamic University, in 2013.
* **Evaluation of Books Content of life skills in the three grades according to modern attitudes.** Supporting research from Scientific Research Council**,** Ministry of Education and Higher Education in Gaza, in 2014.
* **Evaluation of main lines of the new technology curriculum in the according to AECT standards.** Supporting research from Scientific Research Council**,** Ministry of Education and Higher Education in Gaza, in 2014.
* **The effect of using thinking maps strategy to improve science processes in science course on female students of the ninth grade.** Supporting research from Scientific Research Council**,** Ministry of Education and Higher Education in Gaza, in 2014.

The scientific experiences and activities:

* Supervisor of technology center – Faculty of Education – Islamic University 2019 to 2020.
* Head of Curriculum and Methodology Department - Islamic University 2018 to 2019
* Supervisor of science and mathematics center – Islamic University from 2017 to 2018.
* The head of Scientific Committee of the International Palestinian youth conference. 27 Nov 2016.
* Dependable trainer among many institution.
* Obtain the Scientific Research Prize of the Ministry of High Education in Humanity Studies, 2014.
* Director of E-Learning journal – Islamic University. From 2014 to 2015.
* E-Learning Consultant at the Islamic University, from 2013 to 2015.
* A member of school curriculum committee in biology department in the Islamic university, from 2007 to 2008.
* A member of consultant committee e-Learning center at the Islamic university.
* Representative of science faculty in the committee of the management qualification in the Islamic university in Gaza, from January, 2008 to January, 2010.
* A member of the activation job titles committee, from 2010 to 2011.
* A member of the evaluation committee in biological science master program, from 2010 to 2011.
* A member of making description to the mater program in biotechnology, from 2010 to 2011.
* A member of quality committee in biology department, from 2012 to 2013.
* Teacher of biology to people with special needs **(talented)** from September 2004 to April 2007.
* Teacher in the educational faculty in the Islamic university in Gaza from September, 2007 uptil now, **(Science teaching methods, math's teaching methods, Technology and science in society, Educational technology, Teaching skills, Practical teaching skills, Scientific research curriculums, Curriculum Essential's).**
* Teacher (in hours system) in the educational faculty in the Ummah University in Gaza from September, 2009 until now, **(Science teaching methods, General Biology).**
* Teacher (in hour's system) in the educational faculty in the university college of applied sciences in Gaza from September, 2009 to 2011.
* Coordinator to master program of biological science in Islamic university in Gaza, from Sep. 2006 to Sep. 2016.
* Supervisor in the practical education- educational faculty-in the Islamic university in Gaza from September, 2004 until now.
* Participant in evaluation people with special needs curriculums **(Down's Syndrome)**.
* Participant in developing some science units to **hearing disability student.**
* Contributing in applying some of technical program to improve the achievement among **visual disabilities students.**
* Participant in scientific conferences in and outside the country.
* Participant in seminar circles inside the Islamic university and outside it.
* Supervisor to many researches and graduation projects.

Training and Courses:

* Dependent trainer among Small and Medium Enterprise Business Training Program.
* Dependent trainer among the ministry of education.
* Course in Mind - Body Medicine Professional Training Program (PTP), Nov 2016.
* Course in ***E draw Max***, Islamic University 9 Jun 2013.
* Course in ***Using technology in tertiary instruction***, Islamic university 29 January -2 February 2011.
* Course in ***power point design e-learning content authoring***, Islamic university 29 January – 2 February 2011.
* Course in ***preparing self-evaluation of academic programs***, Islamic university, 29 January 2011.
* Course in ***Solutions preparation in scientific laboratories***, Islamic university, 31 January – 4 February 2010.
* Courses in ***Scientific Instruments and General Laboratory Awareness***. Has attended 60-hour. Islamic University, 2010.
* Course in ***Job stress and time management skills***, Islamic university 18 April – 7 may 2009.
* Course in ***Quality assurance and laboratory management***, Islamic university, 13-25 January 2008.
* Course in ***first aid and safety and prevention***, Islamic university, 31 May-8 June 2008.
* Course in ***International computer driving license (ICDL).*** Islamic university, 15January-25 April 2007.
* Course in ***effective communication skills***, Islamic University, 21 - 31 March 2007.
* Course of ***English Language for Science***, Islamic University 25 August – 25 October 2007.
* Course in ***Statistical Package for Social Sciences (SPSS) writing of proposal and thesis,*** Islamic university, 15 July-28 August 2006.
* Course ***dealing with people of special needs***, Al-Aqsa University, 1-8 February 2005.
* Course in ***Food Analysis***, Islamic University, 12th December, 2004 – 12th January, 2005.

Supervisor for Master Thesis:

**About (50) Master theses were discussed, such as**

* The effectiveness of 4MAT and generative learning models on verbal problem solving in dynamic electricity unit in science for grade 9 in Gaza.
* The efficiency of teaching a supplementary unit in general sciences through the web in developing the achievement and communication skills of the tent grade students with a hearing disability in Gaza.
* The effect of using JAWS and NVDA programs in improving achievement and attitude toward them among the visual disabilities students at the Islamic university in Gaza Strip.
* The effect of both: Cognitive contradiction and Posner strategies the modification the misconceptions of the physical concepts with the eighth grade students.
* The impact of employing scientific stations maps strategies in developing the concepts of physics and visual thinking skills in science among fourth grade students in Gaza.