

Curriculum Vitae

Adnan S. Abed
Professor of Math Education
Faculty of Educational Sciences
University of Jordan

E-mail: a.abed@ju.edu.jo

Educational Background:

- | | |
|-------------|---|
| June 1985 | Ph.D. In Mathematics Education
Department of Curriculum and Instruction
Florida State University
Tallahassee, Florida U.S.A
Title of Ph.D. dissertation:
“An evaluation of the suitability of two decimal division
quotient estimation techniques for seventh graders, and
their effect upon calculation errors” |
| August 1982 | Master of Mathematics and Education
University of South Carolina
Columbia, South Carolina U.S.A |
| June 1978 | B.S. In Mathematics
Al-Mustansiriyah University
Baghdad, Iraq |

Teaching and Administrative Experiences:

A. Teaching:

- | | |
|------------|--|
| 2012- Now | Professor of Mathematics Education, Department of
Curriculum and Instruction, Faculty of Educational
Sciences, University of Jordan, Jordan. |
| 2015- 2021 | Professor of Mathematics Education, Department of
Curriculum and Instruction, College of Education, Sultan
Qaboos University, Oman. |

- 2008-2012 Associate Professor of Mathematics Education, Department of Curriculum and Instruction, Faculty of Educational Sciences, University of Jordan, Jordan.
- 2000-2008 Associate Professor of Mathematics Education, Department of Curriculum and Instruction, College of Education, Sultan Qaboos University, Sultanate of Oman.
- 1993-1999 Associate Professor of Mathematics Education, Department of Curriculum and Instruction, College of Education, United Arab Emirates University, United Arab Emirates.
- 1987-1993 Assistant and Associate Professor of Mathematics Education, Department of Curriculum and Instruction, College of Education, Yarmouk University, Jordan.
- Fall 1991-1992 Visiting Professor of Mathematics Education, Department of Teacher Education, Michigan State University, East Lansing, Michigan, U.S.A.
- 1985-1987 Assistant Professor of Mathematics, Institute of Public Administration, Riyadh, Saudi Arabia.
- 1984-1985 Graduate Teaching Assistant, Department of Mathematics, Florida State University, Tallahassee, Florida, U.S.A.
- 1982-1983 Mathematics Instructor, Academic Skills Center, Voorhees College, Denmark, South Carolina, U.S.A.
- 1981-1982 Graduate Teaching Assistant, Department of Mathematics and Statistics, University of South Carolina, Columbia, U.S.A.

B. Administrative Experiences:

- 2016- 2019 Vice-Dean for Graduate Studies and Research, College of Education, Sultan Qaboos University.
- 2012- 2014 Vice-Dean for Graduate Studies, Faculty of Educational Sciences, University of Jordan.
- 2000- 2004 Head of the Department of Curriculum and Instruction, Sultan Qaboos University, Oman.

1995-1999

Director of External Tutorial Studies Center, United Arab Emirates University, United Arab Emirates.

Research:

1. Adnan Al-Abed & Abdullah Al-Khamaiseh. (2022). The impact of a strategy based on mathematical modeling among tenth grade students of different cognitive styles in solving mathematical problems. Accepted for publication in: *Dirasat of University of Jordan: Educational Sciences*.
2. Adnan Al-Abed & Mohammad Al-Baba. (2022). The impact of teaching based on the ASPIRE model on acquiring algebraic concepts among tenth grade students with different mathematical self-concepts. Accepted for publication in: Accepted for publication in: *Dirasat of University of Jordan: Educational Sciences*.
3. Fadwa Al-Qaddoumi & Adnan Al-Abed. (2022). The effect of using the Allosteric Learning Model to solve geometric problem among eighth grade students with different spatial visualizations. Accepted for publication in: *The Jordanian Educational Journal, The Jordanian Society for Educational Sciences*.
4. Abdullah Al-Khamiseh & Adnan Al-Abed. (2022). The effect of a strategy based on mathematical modeling on divergent thinking among tenth grade students of different cognitive styles. Accepted for publication in: *The Jordanian Educational Journal, The Jordanian Society for Educational Sciences*.
5. Youssef Abu Shindi, Rashid Al-Mahrezi, Mahmoud Imam, Mohammad Al-Ghafri, Khawla Al-Maamaria & Adnan Al-Abed. (2022). Indications of validity and reliability of the TIMSS standards list with the fourth-grade Cambridge mathematics curriculum from mathematics teachers and supervisors point of view in the Sultanate of Oman. *The Journal of Educational and Psychological Studies, Sultan Qaboos University, 16 (1), 35-46*.
6. Ahmed Al-Kharousi & Adnan Al Abed. (2021). The Effectiveness of a Program Based on Problem-Solving in Mathematical Problem Solving among Grade Ten Students. *Educational, Cultural and Psychological Studies ECPS, 23(19), 67-84. [In English]* [Scopus]
7. Qais Shabibi and Adnan Abed. (2021). The effect of teaching based on competencies of mathematical proficiency on the achievement of eighth-grade students and their mathematical self-concept. *The Journal of Educational and Psychological Studies, Sultan Qaboos University, 15(3), 366-381*.
8. Ahmed Al-Kharousi & Adnan Abed. (2021). The effectiveness of a Problem-Solving Program in solving the mathematical problems among

- 10th graders in the light of their variance of the mathematical self-concept. *International E-Journal of Advances in Social Sciences*, VII (19), 187-196. **[In English]**
9. Adnan Abed. (2020). Student teachers' beliefs towards learning mathematics and beliefs of mathematics teaching efficacy and their relation to their perception of the development of pupils' understanding of mathematics. *Journal of Educational and Psychological Studies at Sultan Qaboos University*, 14(3), 572-583.
 10. Mohammed Baba & Adnan Abed. (2020). The effect of the use of the Roger Bybee model on the computation of arithmetic operations on normal fractions and decimal fractions in sixth grade students. *Dirasat of University of Jordan: Educational Sciences*, 47(2), 1-20.
 11. Maher Abu Hilal & Adnan Al Abed. (2019). Relations among engagement, self-efficacy and anxiety in mathematics among Omani students. *Electronic Journal of Research in Educational Psychology*, 17(2), 241-266. [Scopus] **[In English]**
 12. Saeed Al-Sinaidi & Adnan Al-Abed. (2019). The effect of an educational program based on mathematical strength in the acquisition of mathematical concepts among eighth grade students in Oman in light of their self-effectiveness. *Jordan Journal of Educational Sciences*, 15(2), 233-248.
 13. Ahmed Al-Kharosi & Adnan Al-Abed. (2019). The effectiveness of a program based on problem solving in divergent thinking among tenth grade students in light of the variation in the mathematical self-concept. *Mathematics Educations Journal*, The Egyptian Mathematical Education Association, Cairo, 22(12), Part 3, 159-179.
 14. Mohammed Al-Hammad & Adnan Al-Abed. (2018). The effect of using the Davis model on improving the levels of geometric thinking in light of the motivation of achievement among the basic stage students in Jordan. *Dirasat of University of Jordan: Educational Sciences*, 45(4), Appendix 5, 151-170.
 15. Hamza Majdalawi & Adnan Abed. (2018). The effect of the use of the Generative Model on the acquisition of mathematical concepts and problem solving among the seventh-grade students in light of their logical thinking. Accepted for publication in: *Journal of Educational & Psychological Sciences of the University of Bahrain*, 19(2), 393-425.
 16. Shaikha Noaimi & Adnan Abed. (2018). The effectiveness of a training program based on the CPS model in developing the math power of the eighth-grade students in light of their mathematical achievement. Accepted for publication in: *Journal of Educational and Psychological Studies at Sultan Qaboos University*, 12(3), 444-464.
 17. Ahmed Osman & Adnan Abed. (2018). The effectiveness of a training program to enable math teachers to acquire the mathematical knowledge required to teach (MKT) according to their own effectiveness in teaching in acquiring their students' mathematical concepts and problem solving.

- Accepted for publication in: *Dirasat of University of Jordan: Educational Sciences*, 45(4), Appendix 3,665-686.
18. Hisham Dweikat & Adnan Abed. (2017). The impact of a training program based on the educational standards of the National Strategy for the Preparation of Teachers and their qualification in the mathematical and linguistic knowledge and educational behavior of the teachers of the basic stage in Palestine. Accepted for publication in: *Dirasat of University of Jordan: Educational Sciences*, 44(4), Appendix 7, 15-35.
 19. Amal Wassas & Adnan Abed. (2017). The effectiveness of the Zahorek Model Program in acquiring listening and speaking skills in the light of the motivation towards Arabic learning among seventh graders in Jordan. Accepted for publication in: *Journal of Educational and Psychological Studies at Sultan Qaboos University*, 11(2), 258-277.
 20. Hamza Majdalawi & Adnan Abed. (2016). The effect of the use of the Eclectic Model on the achievement of sixth grade students in mathematics and their mathematical self-concept. Accepted for publication in: *Al-Manara Journal for Research and Studies at Al-Albays University*, 22(3A), 387-415.
 21. Nusseibeh Al-Mousa & Adnan Al-Abed. (2016). The Effect of Computerized Simulation on Achievement and Interconnection in Islamic Education among Eighth Grade Students in Jordan. *Dirasat of University of Jordan: Educational Sciences*, 43, Appendix 4, 1669-1691.
 22. Nezar Aldoges & Adnan Abed. (2016). The effect of Roger Bybee Model in the acquisition of Arabic language grammar and writing skills in the light of self-concept of language among seventh grade students in Jordan. *Dirasat of University of Jordan: Educational Sciences*, 43, Appendix 2, 1048-1068.
 23. Mustafa Al-Gharabli & Adnan Abed. (2015). The effect of training program for math teachers based on International Trends in Math and Science Study TIMSS on their students' math knowledge, application, and reasoning. *Dirasat of University of Jordan: Educational Sciences*, 42(3), 1115-1135.
 24. Adnan Abed & Soheil Salha. (2014). The Effect of Using GeoGebra Software on Mathematical Problem Solving and Mathematical Anxiety among High Basic Stage Students. *Najah University Journal of Research: Humanities*, 28(11), 2473-2520.
 25. Soheil Salha & Adnan Abed. (2014). The effect of educational program supported with illuminations on mathematical problem solving and spatial ability of seventh grade students in Palestine. *Najah University Journal of Research: Humanities*, 28(12), 2697-2731.
 26. Adnan Abed. (2013). Mathematics study skills that discriminating between high- and low- achievers in mathematics according to its discriminant analysis. *Najah University Journal of Research: Humanities*, 27(10), 2206-2177.

27. Adnan Abed. (2012). Effect of the use of the Generative Learning Model on basic-stage students' mathematical problem solving and motivation toward learning mathematics, *Journal of Educational and Psychological Studies at Sultan Qaboos University*, 6(2), 1-16.
28. Adnan Abed & Ibrahim Shara'. (2012). Preferred approaches to studying math among student teachers at Jordan university. *Najah University Journal of Research: Humanities*, 26(9), 2065-2104.
29. Ibrahim Shara' & Adnan Abed. (2012). Mathematics teachers' attitudes toward low achievers in mathematics. *Journal of Educational and Psychological Studies at Sultan Qaboos University*, 6(1), 133-146.
30. Adnan Abed. (2012). Effect of the use of proof without words on secondary students mathematical thinking and achievement. *Najah University Journal of Research: Humanities*, 26(2), 393-416.
31. Adnan Abed & Ibrahim Shara'. (2011). University Students' Conceptions of Mathematics in Everyday life. *Journal of Damascus University*. In press.
32. Ibrahim Shara' & Adnan Abed. (2012). Errors analysis of solving inequalities among mathematics majors at the University of Jordan. *Jordan Journal of Educational Sciences*, 6(2), 93-108.
33. Adnan Abed, Haitham Al Khateeb & Mohammed Al-Ghafri. (2007). Math student teachers' attitudes toward computers and its relation to their self-efficacy in using computers. *Arab Journal for Education*, 27(1), 93-113.
34. Adnan Abed, Reda Abu Elwan & Haitham Al Khateeb. (2007). Effectiveness of the constructivist model in teaching mathematics on students' achievement and math anxiety. *Journal of Studies in Curriculum and Instruction at Ein-Shams University*, 24, 149-180.
35. Adnan Abed & Haitham Al Khateeb. (2003). Area and perimeter calculations by education majors. *Perceptual and Motor Skills*, 97, 1265-1266. **[In English]**
36. Haitham Al Khateeb & Adnan Abed. (2003). A mathematics content course and teaching efficacy beliefs of undergraduate majors in education. *Psychological Reports*, 93, 475-478. **[In English]**
37. Adnan Abed. (2002). Math's student teachers' beliefs about problem solving: effects of achievement and teaching efficacy beliefs. *The Educational Journal of Kuwait University*, 7(65), 43-72.
38. Haitham Al Khateeb & Adnan Abed. (2002). Factor structure of an Arabic translation of the scale, preference for numerical information. *Perceptual and Motor Skills*, 94, 185-188. **[In English]**
39. Adnan Abed & Reda Abu Elwan. (2002). Effect of using the internet on mathematical thinking and teaching efficacy beliefs of math student teachers. *Journal of College of Education at Ein-Shams University*, 26(1), 135-163.

40. Adnan Abed & Abdulla Ambosaidi. (2002). High school students' beliefs about math and science, and some related variables. *Journal of Educational & Psychological Sciences of the University of Bahrain*, 3(3), 125-150.
41. Adnan Abed & Haitham Al Khateeb. (2002). Math teachers' beliefs about NCTM standards and its relation to their teaching efficacy beliefs and attitudes. *The Series of Psychological and Educational Studies of Sultan Qaboos University*, 5, 72-121.
42. Adnan Abed. (2001). Consistency of statistical content of Omani math textbooks with NCTM standards. *Journal of Mathematics Education*, 4, 11-46.
43. Adnan Abed & Reda Abu Elwan. (2001). Effectiveness of the eclectic model in teaching mathematics on student teachers' performance and attitudes. *Journal of Studies in Curriculum and Instruction at Ein-Shams University*, 73, 121-154.
44. Adnan Abed & Haitham Al Khateeb. (2001). Mathematics anxiety among eighth-grade students of the United Arab Emirates. *Psychological Reports*, 89, 65-66. **[In English]**
45. Haitham Al Khateeb & Adnan Abed. (2000). Preference for numerical information among Arab students. *Psychological Reports*, 86, 483-486. **[In English]**
46. Mohammed Hassan & Adnan Abed. (1999). Differences in spatial visualization as a function of scores on hemisphericity of mathematics teachers. *Perceptual and Motor Skills*, 88, 387-390. **[In English]**
47. Ahmed Bin Dania & Adnan Abed. (1997). Reliability and factorial structure of an Arabic translation of the of the self-consciousness scale. *Psychological Reports*, 61, 1091-1101. **[In English]**
48. Adnan Abed. (1996). The spatial ability and related variables in mathematics for students at elementary stage. *Journal of College of Education at United Arab Emirates University*, 10(12), 1-35.
49. Adnan Abed. (1995). Spatial abilities among math teachers for basic and secondary stages. *Arab Journal for Education*, 15(1), 182-205.
50. Adnan Abed. (1995). The effect of the type of the test and achievement level on eighth-grade students' performance in mathematical problem solving. *Journal of Damascus University*, 11(43-44), 161-191.
51. Adnan Abed. (1995). The development of spatial abilities for students at basic and secondary stages. *Journal of Abhath Al Yarmook*, 11(3), 9-30.
52. Adnan Abed & Ibraheem Yaqoub. (1994). Math anxiety and its relation to some variables for university students in Jordan. *Journal of the Arab Universities Union*. 29, 5-26.
53. Adnan Abed. (1994). Spatial abilities and mathematical achievement for tenth-grade students. *Arab Journal for Education*, 14(1), 205-225.

54. Adnan Abed & Ibraheem Yaqoub. (1994). Math Anxiety Scale for children in Jordan. *Dirasat of University of Jordan: Educational Sciences*, 21(1), 388-417.
55. Adnan Abed & Amal Khasawnah. (1993). The ability of mathematical logical thinking for sixth-grade students. *Dirasat of University of Jordan: Educational Sciences*, 20(1), 234-263.
56. Adnan Abed. (1992). Effect of some factors on second-graders' ability in solving addition and subtraction open sentences. *Journal of College of Education at Mansora University*, 19, 153-179.
57. Amal Khasawnah & Adnan Abed. (1992). The development of the ability of mathematical logical thinking for students and math student teachers. *Journal of Abhath Al Yarmook*, 8(3), 175-202.
58. Adnan Abed. (1992). The effect of problem type and skill level on sixth-grade students' performance in mathematical problem solving. *Journal of College of Education at Asute University*, 6, 256-281.
59. Adnan Abed. (1992). Addition and subtraction and related variables for first-graders. *Journal of Abhath Al Yarmook*, 8(1), 95-127.
60. Mohammed Sabareeni & Adnan Abed. (1991). The environment as a resource of teaching mathematics for elementary stage students: an experimental study. *Journal of College of Education at Asute University*, 5, 256-281.
61. Adnan Abed. (1991). Teaching skills and its relation to attitudes toward teaching math among math teachers in Jordan. *Journal of Education and Science of Mousel University*, 10, 55-72.
62. Adnan Abed & Ibraheem Yaqoub. (1990). Psychometric properties of the modified Arabic version of the Math Anxiety Rating Scale (MARS). *Journal of Abhath Al Yarmook*, 6(4), 145-161.
63. Adnan Abed. (1990). Computational estimation and its relation to arithmetic skills for elementary stage students. *Educational Journal of Kuwait University*, 6(22), 51-72.
64. Adnan Abed. (1990). Open sentences of multiplication and division and some related variables for third graders. *Dirasat of University of Jordan: Educational Studies*, 17(3), 7-31.
65. Adnan Abed. (1989). The symmetry on equality in addition and subtraction for second graders. *Journal of Educational Studies*, 4(19), 251-263.
66. Adnan Abed. (1988). Transfer of algebraic generalizations to numerical situations for ninth grade students. *Journal of Damascus University*, 4(16), 113-133.
67. Adnan Abed & Adnan Hamza. (1987). Measurement of the retention of Math's knowledge and skills among trainees of the Institute of Public Administration in Saudi Arabia. *Journal of Public Administration at Saudi Arabia*, 26(53), 137-161.

Books:

1. *Research and Theses in the Behavioral Sciences: Scientific Research from Idea to Publication*. Co-authored with M. Abu Hilal & M. Al-Mutairi. Kuwait: Al Falah Library for Publishing and Distribution, 2020.
2. *Methods of Teaching School Mathematics*. Co-authored with M. Abu Saleh & A. Khasawneh. Ministry of Education, Yemen, with cooperation of Amid East Educational Corporation, Washington DC, 2000.
3. *The Concepts of Mathematics for Elementary School*. Co-authored with M. Abu Saleh, M. Heja & A. Khasawneh. Ministry of Education, Yemen, with cooperation of Amid East Educational Corporation, Washington DC, 2000.
4. *Methods of Teaching Mathematics I*. Co-authored with M. Swelem & F. Othman. Al-Quds Open University, Amman, Jordan, 1993.
5. *Methods of Teaching Mathematics II*. Co-authored with M. Rashid & F. Othman. Al-Quds Open University, Amman, Jordan, 1996.
6. *The Measurement and Evaluation*. Co-authored with M. Abu Saleh & S. Melhem. Ministry of Education, Yemen, with cooperation of Amid East Educational Corporation, Washington DC, 1996.
7. *The Educational Research*. Co-authored with M. Abu Saleh & S. Melhem. Ministry of Education, Yemen, with cooperation of Amid East Educational Corporation, Washington DC, 2000.
8. *Curriculum and Methods of Teaching*. Co-authored with M. Khawaldeh & H. Nasr. Ministry of Education, Yemen, with cooperation of Amid East Educational Corporation, Washington DC, 1995.
9. *Calculus and Analytical Geometry*. Co-authored with team of specialists. Al-Fajr Library, Irbid, Jordan, 1989.
10. *Methods of Teaching Mathematics for Teachers and Colleges*. Co-authored with A. Qawasmeh. Scientific Arab Library, Amman, Jordan, 1989.

Courses Taught:

Teaching the following courses of doctoral, master's, diploma, and bachelor programs in the University of Jordan, and in other universities: Yarmouk, Sultan Qaboos, and the United Arab Emirates:

- Models in curriculum design and development (for doctoral students in the University of Jordan).
- Curriculum Evaluation and Teaching (for doctoral students in the University of Jordan).
- Issues in Curriculum and Instruction (for doctoral students in the University of Jordan).
- Methods of teaching mathematics to graduate students and undergraduates (in various universities).

- Evaluation of learning and teaching mathematics (for master's students in the University of Jordan).
- Therapeutic diagnosis in the teaching of mathematics (for master's students in the University of Jordan).
- Issues and special problems in learning and teaching mathematics (for master's students in the University of Jordan and Sultan Qaboos University).
- Change in the basic education curriculum (for master's students in the University of Jordan).
- Educational readings in English in mathematics curriculum and teaching methods (for master's students in Sultan Qaboos University).
- Educational curricula and designed and developed theories (for master's students in Sultan Qaboos University).
- Seminar in Mathematics Education (for Masters Students at Yarmouk University).
- Advanced analytical statistics (for Masters Students at Yarmouk University).
- Mathematics curriculum: structure and analysis (for diploma students in the University of Jordan).
- The teaching of mathematics and its applications (for diploma students in the University of Jordan).
- Measurement and Evaluation in Education (for diploma students in the University of Jordan).
- Basic concepts in mathematics and its methods of teaching I, II (for undergraduate students at the University of Jordan).
- Teaching methods for the first three grades (for undergraduate students at the University of Jordan).
- Study skills (for undergraduate students at the University of Jordan).
- Contemporary Issues in child-rearing (for undergraduate students at the University of Jordan).
- Practical and micro teaching (for undergraduate students in the UAE University and Sultan Qaboos University).
- The school curriculum (for undergraduate students in the UAE University and Sultan Qaboos University).
- Educational Research and Statistical Methods (for undergraduate students at Yarmouk University and the UAE University).
- Educational Measurement and Evaluation (for undergraduate students at Yarmouk University and the UAE University).

Supervision of Graduate Students:

- Main Supervised more than (80) Ph.D. dissertations and Masters theses in Mathematics Education at University of Jordan, Yarmouk University, and Sultan Qaboos University.
- Chaired and participated in more than (80) committees of Ph.D. dissertations and Master's theses defense at University of Jordan, Yarmouk University, and Sultan Qaboos University.

Committees:

- Rapporteur of the PhD Program Committee of Mathematics Education for international accreditation CAEP at the University of Jordan (2022-now).

- Rapporteur of the Ph.D. Program Committee of Teaching and Developing Plans of Mathematics Education at the University of Jordan (2022-now).
- Rapporteur of the Committee for Developing Satisfaction Assessment Tools for the Bachelor's Program in Elementary Classroom Teacher at the Faculty of Educational Sciences at the University of Jordan (2022).
- Member of the Council of the Testing and Data Analysis Center at the University of Jordan (2022- now).
- Chairman of the Graduate Studies Committee at the Faculty of Education, Sultan Qaboos University (2016 - 2019).
- Member of the Council of Postgraduate Studies at Sultan Qaboos University (2016-2019).
- Member of the Graduate Studies Council at Sultan Qaboos University (2016 - 2019).
- Member of Scientific Research Council at Sultan Qaboos University (2016 - 2019).
- Member of the Council of the Faculty of Education, Sultan Qaboos University (2016 - now).
- Member of Scientific Research Committee, College of Education, Sultan Qaboos University (2016 - 2019).
- Chairman of the Graduate Studies Committee, Faculty of Educational Sciences, University of Jordan (2012-2014).
- Member of the Council of the Faculty of Graduate Studies at the University of Jordan (2012-2014).
- Member of the Council of the Faculty of Educational Sciences at the University of Jordan (2012-2014).
- Rapporteur of the committee to develop doctoral programs for various programs in the Department of Curriculum and Teaching at the College of Educational Sciences at the University of Jordan (2014-2015).
- Rapporteur of the Committee on the teaching of mathematics curricula and methods of teaching in the Department of Curriculum and Teaching at the University of Jordan (2009 - 2015).
- Member of the Committee for the Comprehensive Examination of PhD students in the Department of Curriculum and Teaching at the University of Jordan (2009-2015).
- Member of the Comprehensive Examination Committee for Master's students specializing in mathematics curricula and teaching methods in the Department of Curriculum and Teaching at the University of Jordan (2009-2015).

Also, a member of other committees in different universities.

Conferences, Workshops and Symposia:

- Sixth International Conference: "Art Education and Contemporary Challenges", 7-9/10/2019, College of Education, Sultan Qaboos University, Muscat, Sultanate of Oman. Member of the preparation committee.
- Fifth International Conference: "Sports and Sustainable Development for the Individual and Society", 8-9/10/2018, College of Education, Sultan Qaboos University, Muscat,

- Sultanate of Oman. Member of the preparation committees, and rapporteur for some sessions and workshops.
- Fourth International Conference: "Academic Accreditation: A Path to Quality Sustainability in Education", 14-17 / 11/2016, College of Education, Sultan Qaboos University, Muscat, Sultanate of Oman. Participation in a paper entitled: (Omani Accredited Mathematics Teachers: Challenges and Success).
 - Fourth International Conference: "Academic Accreditation: A Path to Quality Sustainability in Education", 14-17 / 11/2016, College of Education, Sultan Qaboos University, Muscat, Sultanate of Oman. Member of the Preparatory Committees, and Rapporteur of some of the meetings and workshops.
 - Workshop: Development of teacher's books and activities and exercises books for math and science in stages 1-3 of Iraq, October 27 – 29, 2013, UNESCO / Iraq office in Amman, Amman, Jordan. Associate member of the workshop, and in the development and review of written teacher's guide and exercise books for mathematics.
 - Workshop: Development of science and math books in Iraq, grades 1-3, September 15 – 19, 2013, UNESCO / Iraq office in Amman, Doha, Qatar. Associate member of the workshop, and in the development and review of math books.
 - Workshop: How to develop educational materials for math and science curricula, June 30 – July 4, 2013, UNESCO / Iraq office in Amman, Erbil, Iraq. Associate member of the workshop, and in the development of educational materials for writing mathematics textbooks.
 - Workshop: Educational policy dialogue in the light of the results of the study carried out by the Ministry of Education and USAID, August 28 – 30, 2012, Ministry of Education of Jordan, Amman, Jordan. Associate member of the committees and the follow-up development.
 - Workshop: Evaluation of mathematics and science textbooks in Iraq, April 14 – 18, 2012, UNESCO / Iraq office in Amman, Erbil, Iraq. Associate member of the workshop, and in the evaluation of math books.
 - Workshop: Development of research tools for the National Pilot Project in the Evaluation of Reading and Math Skills for students of Grades 1-3, February 19 – 23, 2012, USAID with the collaboration of the Ministry of Education of Jordan, and RTI American Consulting, Amman, Jordan. Associate member of the committees to develop tools and follow-up.
 - New Vision in Learning and Teaching Mathematics and its Applications in Administration and Economy. Ministry of Education, Muscat, Sultanate of Oman, December 5-8, 2004. Member of preparation committee and chair for some panels (2007).
 - The International Conference: Toward A Better Preparation for the Future Teacher, College of Education, Sultan Qaboos University, Muscat, Sultanate of Oman, May 18-20, 2003. Member of preparation committee and chair for some panels (2007).
 - The Symposium of New Styles of Learning, Sultan Qaboos University, Muscat, Sultanate of Oman, May 18-20, 2003. Member of preparation committee.
 - The Symposium of Educational Technology and its Role in Learning and Teaching, Umm El Mumenin Association of Ajman, United Arab Emirates, February 27, 1997. Presented a paper: The Roles of Educational Technology in Teaching Mathematics.
 - The Development of the Methods of Teaching Courses Symposium, College of Education, The United Arab Emirates University, May 16, 1996. Presented a paper: The Development of the Methods of Teaching Mathematics Courses in the Light of Field Evaluative Reports.

- Planning and Evaluating School Curricula Convention, College of Educational Sciences, University of Rabat, Morocco, April 14-17, 1993. Presented a paper: Reshaping School Mathematics.
- Annual Mathematics and Science Conference for Detroit Area Council of Teachers of Mathematics and Metropolitan Detroit Science Teachers Association, November 9, 1991, Canton, Michigan.
- Assessing Our Future, 42nd Annual Conference of National Council of Teachers of Mathematics in Michigan, October 24-26, 1991, Grand Rapids, Michigan.
- Tomorrow's Graduate Schools of Education: A Regional Perspective on the National Agenda. Midwest Holmes Group, 1991 Fall Conference, October 18-20, 1991, Chicago, Illinois.
- Development of Math Curricula at Arab Universities Convention, Yarmouk University and UNISCO, Irbid, Jordan, December 8-10, 1988. Presented a paper: Objectives of Teaching Mathematics at University: Some Precautions.

Training, Consultation and Community Services:

- Member of the advisory editorial board of the International Journal of Educational Research - United Arab Emirates University, specializing in Mathematics Education.
- External Evaluation Report, Masters' Programs in Curriculum and Teaching at College of Education, Sohar University (This assessment process was requested by the Ministry of Higher Education) . A Report Prepared by the External Evaluation Team (Suleiman Al Balushi, Abdullah Al Hashemi and Adnan Al Abed) that visited Sohar University from April 2-5, 2017.
- External Evaluation Report, Bachelor of Education Program at College of Education, Qatar University. A Report Prepared by the External Evaluation Team (Hanada Taha & Adnan Abed) that visited Qatar University from April 17-19, 2016.
- Queen Rania Foundation for Education and Development, A report titled: "Preliminary Comparative Curricular Review of the Old and Revised Math Textbooks in Jordan, Grades 1-3", 2015.
- Consultant and reviewer of math textbooks for grades (1-3) in Iraq, UNESCO / Iraq office, Amman, Jordan (2012- 2014).
- Supervising the Mathematics Curricula and Teaching in Model School of University of Jordan, 2010-2013.
- Reviewing tools and instruments "the development of knowledge in school learning environments in Jordan", USAID in Jordan (2012).
- Evaluating works and books for the purposes of promotion in the Ministry of Education of Jordan (2011-Now).
- Participation in educational qualifying new faculty members and new research and teaching assistants at the University of Jordan (2010).
- Coordinator of the team of the "International Association for the Evaluation of Educational Achievement, Mathematics Teacher Education Study- TEDS", for Sultan Qaboos University (2007).

- Member of the team of “Authoring and revising mathematics text-books for basic stage, Ministry of Education, Sultanate of Oman, 2001- 2004.
- Member of Training Team for Applying the Developed Math Curricula in the United Arab Emirates: A workshop for mathematics supervisors over all districts, United Arab Emirates, 1997-1998.
- Revising mathematics text-books for High Education level, Ministry of Education, United Arab Emirates, 1995-1998.
- Detailed Report on the Outlines of Math Curricula of Basic Stage in Jordan, submitted to the administration of Yarmouk University, Jordan.
- Supervising the Mathematics Curricula and Teaching in Model School of Yarmouk University, Jordan, 1988-1993.

Referring articles for university-referred journals:

- International Journal of Educational Research and member of the advisory editorial board specialization of Mathematics Education (United Arab Emirates University)
- Jordan Journal of Educational Sciences (issued at Yarmouk University and the Ministry of Higher Education and Scientific Research, Jordan)
- Journal of Studies in Educational Sciences (University of Jordan)
- Journal of Damascus University for Educational and Psychological Science (Damascus University)
- Journal of Educational and Psychological Studies (Sultan Qaboos University)
- Journal of Educational and Psychological Sciences (University of Bahrain)
- Journal of the Faculty of Education (United Arab Emirates University)
- University of Sharjah Journal of Humanities and Social Sciences (University of Sharjah)
- Al Manara Journal for Research and Studies (Al-Albait University, Jordan)
- Journal of the Federation of Arab Universities and Educational Psychology (published by the Society for the colleges of education in Arab universities)
- Yarmouk Research Journal (Yarmouk University, Jordan)
- Journal of Social Affairs (social Association, UAE)
- Evaluating of papers presented at various conferences.
- Evaluating works and books for the purposes of promotion in the Ministry of Education of Jordan.