



CURRICULUM VITAE

Prof. Iyad Mohammed Diab Hamadneh

PERSONAL INFORMATION: - Date of Birth: June, 30, 1977
- National Number: (9771013464)
- Place of Birth: Irbid- Jordan
- Nationality: Jordanian
- Social Status: Married

PRESENT WORK ADDRESS: - Dept. of Psychological Sciences & Special Education
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- Al al-Bayt University, Al- Mafraq, Jordan
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PRESENT STATUS: -**Full Professor of Psychometrics (MEASUREMENT & EVALUATION).**

FIELD OF STUDY: - Measurement & Evaluation, Research Methodology.

ACADEMIC QUALIFICATIONS

- 2003 – 2006:** PhD. in Measurement & Evaluation; Educational Research Methodology. Yarmouk University, Irbid, Jordan.
- 2001 – 2003:** MSc. in Education (Math Curricula); Evaluation. Yarmouk University, Irbid, Jordan.
- 1995 – 1999:** BSc. in Mathematics & Statistics. Mutah University, Alkarak, Jordan.
- 1994 – 1995:** General Secondary School Certificate. Scientific Section, AL Husain School, Bani Kinanah, Irbid, Jordan.

PROFESSIONAL EXPERIENCES

- 2021 – Now:** **Head** Dept. of Psychological Sciences & Special Education, Faculty of Educational Sciences, Al al-Bayt University, Jordan.
- 2017 – 2018:** Dept. Psychology, College of Education, Sultan Qaboos University. (Sabbatical leave).
- 2014 – 2017:** Director, Center for Faculty Development, Al al-Bayt University, Jordan. & Head of the Measurement and Evaluation Division at the Faculty Development Center.
- 2012 – 2014:** Part-time assessment expert, technical committee member, Queen Rania Al-Abdulla Award for Excellence in Education, Jordan.
- 2008 – 2012:** Researcher & Research Consultant, Statistician, Measurement Specialist & Data Analyst, Computer Programmer & System Analyst. Dept. of Psychological Sciences & Special Education, Faculty of Educational Sciences, Al al-Bayt University, Jordan.
- 2007 – 2008:** Assistant Professor, College of Education, Al al-Bayt University, Jordan.
- 2004 – 2007:** lecturer, College of Education, Al al-Bayt University, Jordan.
- 1999 – 2004:** Mathematics and science teacher for basic and secondary grades, Ministry of Education, Ajloun, Jordan.

RESEARCH INTEREST

Applications of Item Response Theory (IRT); Educational Research Methodology; Data Analysis Using Modern Statistical Software's; Performance Assessment and Program Evaluation; Test design, Educational and Psychological Scales Development.

ARTICLES PUBLISHED IN REFEREED JOURNALS

- Hamadneh, I., & Nizami, A. (2019). Emotional Intelligence and its Relationship to Job Burnout among Some Administrative Employees at Al Al-Bayt University. *International Journal of Humanities and Social Science*, 10(1), 26- 33.
- Hamadneh, I. (2018). The Degree of Using Electronic Alternative Evaluation Strategies among Faculty Members and Obstacles of Using Them According to Some Demographic Variables. *International Journal of Humanities and Social Science*, 8(2), 50- 52.

- Esa, A., Ababneh, M., & Hamadneh, I. (2017). Some Factors Affecting at School Violence and Its Proposed Solutions from the Perspective of Students at Secondary Level. Saudi Arabia, Qassim University, *Journal of Educational and Psychological Science*, 11(1).
- Hamadneh, I., & Al-Shurman, W. (2016). The Differences in Item Difficulty Parameter Estimations for Simulated Data having (MC1- PL) Model in Item Response Theory. Tishreen University, Syria, *Journal for Studies and Scientific Research*, 37 (6).
- Al-Shurman, W., & Hamadneh, I. (2016, Accepted). Assessing Talented sources rooms in Jordan according to NAGC Pre-K–Grade 12 Standards. *Journal of Education, Al-Azhar University*, Egypt.
- Hamadneh, I. (2015). Statistical Power and Effect Size in Educational and Psychological Research Published in Journal of AL-MANARAH for Research and Studies. *Journal of Research on Humanities and Social Sciences*, 5(20), 1-8.
- Hamadneh, I. & Al-Masaeed, A. (2015). Math Teachers' Attitudes towards Photo Math Application in Solving Mathematical problem Using Mobile Camera. *Educational Research and Reviews*, 10(14), 1930- 1936.
- Hamadneh, I. (2015). Using Muraki Model in Selecting Items for an E-assessment Questionnaire of Faculty Members at Al al-Bayt University. *Journal of Research on Humanities and Social Sciences*, 5(5), 165- 177.
- Al-Masaeed, A., & Hamadneh, I. (2015). Relationship between Self-Efficiency and Depression among Educational Sciences Students at Al al-Bayt University. *European Scientific Institute*, 11(26), 208- 222.
- Hamadneh, I. (2015). Training Needs for Faculty Members at Al al-Bayt University from their Perspectives in the Light of Some Variables. *European Scientific Institute*, 11(25), 177- 195.
- Hamadneh, I. (2015). The Impact of Escape Alternative Position Change in Multiple-Choice Test on the Psychometric Properties of a Test and its Items Parameters. *Journal of Education and Practice*, 6(9), 23- 33.
- Hamadneh, I. (2015). The Effectiveness of (L_z^{*new}) Index in Detecting Person Aberrant Response Patterns according to IRT. *AL-Bahrain, Educational and Psychological Journal*, 16(3), 565- 593.
- Hamadneh, I., & Bani-Khalid, M. (2014). Constructing an Attitudinal Scale toward Electronic Violence by Al al-Bayt University Students who Use Social Networking Website's. *Journal of Al-Manarah Researches and Studies*, 19(3), 77- 106.
- Hamadneh, I., & Almadi, B. (2014). The principles of measurement and evaluation from the perspective of the Holy Quran: Analytic study. *Journal of Education and Practice*, 5(37), 251- 259.
- Bani-Khalid, M., Hamadneh, I., & AL-Zboun, M. (2013). Multiple Intelligences among Students at Al al-Bayt University According to Some Variables. *Damascus, Association of Arab Universities Journal for Education and Psychology*.
- Hamadneh, I. (2012). The Effect of Content Homogeneity and Anchor Length on the Accuracy of Dichotomous Multi-Level Mathematics Test. *Journal of Al-Manarah Researches and Studies*, 18(4), 9- 43.
- Hamadneh, I. (2011). Detecting Local Item Dependence between the Test Item Pairs Using Q3

- Bani-Khalid, M., & Hamadneh, I. (2011). The Degree of Practice of School Teachers in the Basic Stage apply to the Skill of Formulating Behavioral Objectives. *Journal of Islamic University Gaza (Humanities Studies)*, 19(1), 619- 645.
- Hamadneh, I. (2011). The Degree of Using Test-Wiseness Strategies Among University Students. *Journal of Al-Manarah Researches and Studies*, 17(1), 291- 312.
- Hamadneh, I. (2011, Accepted). The Attitudes of Female Student-teachers at Al al-Bayt University towards Teaching Profession in Male Schools. *Damascus University Journal for Educational and Psychological Sciences*.
- Hamadneh, I., & AlPalawneh, F. (2010). Constructing an Attitude Scale for Mathematics Teachers towards Problem Solving, According to Rasch Rating Scale Model. Damascus, *Association of Arab Universities Journal for Education and Psychology*, 13(2), 223- 247.
- Hamadneh, I. (2009, Accepted). UCLA Loneliness Arabic Scale (Version 3), Constructed Validity. Syria, Hallab, *Journal of Hallab University Researches, Humanities Sciences*, 67.
- Hamadneh, I. (2009, Accepted). Estimating the Examinee's Ability and the Standard Error in its Estimation according to Computer Adaptive Testing Strategy. *Journal of King Saud University, Educational Science*, 24(3).
- Hamadneh, I. (2009). Using Item Response Theory in Constructing a Criterion -Referenced Test in Math According to the 3-Parameters Logistic Model. *AL-Bahrain, Educational and Psychological Journal*, 10(2), 215- 232.
- Hamadneh, I. (2007). Differential Item Functioning in the English Language proficiency Tests Given at Jordanian Universities: A Comparative Study. *Ph.D. Dissertation*, Yarmouk University, 2007, 1 (1), 1-176.

CONFERENCES & WORKSHOPS

- 2020:** Workshop on “Research Acceptance Criteria in AL-MANARAH Journal for Research and Studies” Organized by Deanship of Scientific Research, Al al-Bayt University, 2020, Al-Mafraq, Jordan (Editorial Board Member).
- 2020:** The 1st meeting of “University Council Members” (Colleges Representatives), Zoom Technical, Al al-Bayt University, 2020, Al-Mafraq, Jordan (Representative of the College of Educational Sciences).
- 2019:** The 1st annual meeting of Editorial Board Member, held by Deanship of Scientific Research, Al al-Bayt University, 2020, Al-Mafraq, Jordan (Editorial Board Member).
- 2019:** Symposium on “International Day of Persons with Disabilities” Organized by Faculty of Educational Science, Al al-Bayt University, September, 3, 2019, Al-Mafraq, Jordan (Organizer & Lecturer).
- 2018:** Workshop on “E- Alternative Evaluation” Organized by the College of Education, Sultan Qaboos University, 2018, Muscat, Sultanate of Oman. (Trainer).
- 2017:** Lecture on “Scientific Research Methodology” for Royal Air Force of Oman, Air Force Technical College, 2017, Sultanate of Oman. (Lecturer).
- 2017:** Workshop on “Item Response Theory and its Application in Qaboos University

Researches and Studies [Future Attitudes]”. Organized by the Dept. of Psychology, College of Education, Sultan Qaboos University, 2017, Sultanate of Oman. (Trainer).

- 2017:** College of Education Scientific Symposiums. Organized by the College of Education, Sultan Qaboos University. 2017- 2018, Sultanate of Oman. (Organizer & Trainer).
- 2017:** The 1st International Conference on Assessment & Evaluation (E-Alternative Evaluation Tools and Strategies), 2017, Muscat, Sultanate of Oman. (Researcher & Discussant).
- 2017:** Symposium on “Future Research in E-Learning”. Organized by the Dept. of Educational Technology, College of Education, Sultan Qaboos University. 2017- 2018, Muscat, Sultanate of Oman. (Lecturer).
- 2016:** Lecture on “E-Training for Faculty Members at Al al-Bayt University” for the faculty members at Al al-Bayt University, Organized by Faculty Development Center (FDC), Al al-Bayt University, (2016), Jordan. (Director & Organizer).
- 2016:** Workshop on “Publication of Scientific Research in the Journals of "IMPACT FACTOR” for the faculty members at Al al-Bayt University, Organized by Faculty Development Center (FDC), Al al-Bayt University, (2016), Jordan. (Director & Trainer).
- 2016:** Lecture on “Behavioral Skills in Academic Interactions: Theory and Practice” for the faculty members at Al al-Bayt University, Organized by Faculty Development Center (FDC), Al al-Bayt University, (2016), Jordan. (Director & Organizer).
- 2016:** Lecture on “Developing a Training Course System at the Faculty Development Center for the Purposes of Promotion: Future Directions” for the faculty members at Al al-Bayt University, Organized by Faculty Development Center (FDC), Al al-Bayt University, (2016), Jordan. (Director & Organizer).
- 2016:** Workshop on “E-Testing and Adaptive tests” for the faculty members at Al al-Bayt University, Organized by Faculty Development Center (FDC), Al al-Bayt University, (2016), Jordan. (Director & Trainer).
- 2016:** The annual meeting of the members of the Steering Committee for the Deanship of Quality and Accreditation, Jerash University, 2016, Jordan. (Presence)
- 2016:** Workshop on “Statistical Analysis Using the Statistical Package for Social Sciences (SPSS)” for the faculty members. Organized by FDC, Al al-Bayt University, 2016, Al-Mafraq, Jordan. (Director & Trainer).
- 2016:** Workshop on “E-Learning Using Blackboard Software”. Organized by FDC, Al al-Bayt University, 2016, Al-Mafraq, Jordan. (Director & Trainer).
- 2016:** Workshop on “Achievement Tests & Attitudes Scales” for the teachers of Franciscan Sisters School. Amman, Jordan. (Trainer).
- 2015:** Lecture on “Common Mistakes in Educational Research” for Graduate Students at Al al-Bayt University. Organized by Consultation, Technical and Community Service Center, 2015, Al-Mafraq, Jordan. (Lecturer).
- 2015:** Lecture on “Scientific Research Council”. Paper Published in Journal of "Research on Humanities and Social Sciences", Vol.5, No.20. Titled by: Statistical Power and Effect Size in Educational and Psychological Research Published in Journal of AL-MANARAH for Research and Studies. Organized by the Director of FDC, Scientific Research Council, Journal of AL-MANARAH, Al al-Bayt University,

2015, Al-Mafraq, Jordan. (Researcher & Lecturer).

- 2015:** Workshop on “Evaluation & College Testing” for the faculty members at Al al-Bayt University, Organized by Faculty Development Center (FDC), Al al-Bayt University, 2015, Jordan. (Director & Trainer).
- 2015:** Lecture on “Training needs of faculty members”. Paper Published in "European Scientific Journal" September 2015 edition, Vol.11, No.25. Titled by: Training needs of faculty members at Al al-Bayt University from their perspectives in the light of some variables. Organized by the Director of FDC, board of FDC, Al al-Bayt University, 2015, Al-Mafraq, Jordan. (Director, Researcher & Presenter).
- 2015:** The 1st Workshop on “E-assessment Questionnaire”. Paper Published in Journal of "Research on Humanities and Social Sciences", Vol.5, No.5. Titled by: Using Muraki Model in Selecting Items for an E-assessment Questionnaire of Faculty Members at Al al-Bayt University. Organized by the Director of FDC, board of FDC, Al al-Bayt University, 2015, Al-Mafraq, Jordan. (Director, Researcher & Presenter).
- 2014:** The annual meeting of directors of faculty members in Jordanian Universities, held by Tafila Technical University, 2014- 2015. (Presenter).
- 2014:** Workshop on “Skills of Quantitative Research” for the faculty members at Al al-Bayt University. Organized by FDC, 2015, Al-Mafraq, Jordan. (Director & Trainer).
- 2014:** Symposium on “Future Research in E-Learning”. Organized by College of Education, Al al-Bayt University, 2014, Al-Mafraq, Jordan. (Lecturer).
- 2014:** Lecture on “Training Courses held by the Faculty Development Center at Al al-Bayt University: Reality and Ambition”. Organized by the Director of FDC, board of FDC, Al al-Bayt University, 2014, Al-Mafraq, Jordan. (Director & Organizer).
- 2014:** Lecture on “The University Professor’s Role in Community Service: Problems and Solutions”. Organized by the Director of FDC, board of FDC, Al al-Bayt University, 2014, Al-Mafraq, Jordan. (Director & Lecturer).

SUPERVISION EXPERTISE

- 2019:** “The Role of Secondary Schools Principals in the State of Kuwait in Activating Peer Supervision”. Abdullah Al-Mutairi, Al al-Bayt University, Jordan. (M. A. Thesis).
- 2019:** “The Role of Secondary Schools Principals in Activating Professional and Community Development for Kuwait Teachers”. Abdullhadi Al-Mutairi, Al al-Bayt University, Jordan. (M. A. Thesis).
- 2018:** “The Reality of Administrative Practice to School Principles in Aljahraa in the light of Strategic Management Standards”. Abdul Rahman Al-Mutairi, Al al-Bayt University, Jordan. (M. A. Thesis).
- 2015:** “Extent of Mathematics Teachers having Alternatives Evaluation Strategies in Higher Basic Stage in Al-Mafraq Governorate and Obstacles of Exercising her”. Falah Jaffal, Al al-Bayt University, Jordan. (M. A. Thesis).
- 2014:** “Perceptions of School Principals in Ajloun Governorate of the School of the Future”. Raed AlBattoush, Al al-Bayt University, Jordan. (M. A. Thesis).

2014: “The Role of Information and Communication Technology in Activating the Roles of School Administration for the Private and Public School within Al Jahra Learning Distinct in Kuwait”. Mohammed Al-Ajmi, Al al-Bayt University, Jordan. (M. A. Thesis).

ASSOCIATIONS' MEMBERSHIP

2020- 2021: Member of the Council of Al al-Bayt University (Representative of the College of Educational Sciences), Al al-Bayt University, Al-Mafraq, Jordan.

2019- 2021: Member of the Editorial Board of Al-Manarah Journal for Research and Studies, Deanship of Scientific Research, Al al-Bayt University, Al-Mafraq, Jordan.

2018 – 2019: Member of the Council of the Faculty of Educational Sciences, Al al-Bayt University, Al-Mafraq, Jordan.

2016 – Now: Referee: Evaluation of scientific production in a number of "ACADEMIC PROMOTION" from the rank of (ASSISTANCE PROFESSOR to the rank of ASSOCIATE PROFESSOR), and from the rank of (ASSOCIATE PROFESSOR to the rank of PROFESSOR) in the fields of: Measurement and Evaluation, Mental Health, Psychology, and Curricula. In the following Universities: Taibah University, Madinah, 2019 & 2020, Saudi Arabia; Jerash University, 2017, Jerash, Jordan; Sultan Qaboos University, 2020, Muscat, Sultanate of Oman; Sudan Technological University, 2016, Sudan.

2016 – 2017: Member of the Committee of Quality and Accreditation, Deanship of Quality, Jerash University, Jerash, Jordan.

2015 – 2017: Member of the Council of Franciscan Sisters School, Amman, Jordan.

2014 – 2015: Member of the Board of Excellence & Creativity Center, Al al-Bayt University, Jordan.

2013 – 2015: Member of the Committee for Analyzing University Proficiency Exam Results, Al al-Bayt University, Al-Mafraq, Jordan.

2013 – 2014: Member of the Board of the Faculty Development Center (FDC), Al al-Bayt University, Jordan.

2012 – Now: Member of the Discussion Committee in many Master's Theses and Doctoral Dissertations in the following Universities: Al al-Bayt University, Al-Mafraq, Jordan; Yarmouk University, Irbid, Jordan; University of Jordan, Amman, Jordan; Jadara University, Irbid, Jordan; Middle East University, Amman, Jordan; The Word Islamic Sciences & Education University, Amman, Jordan; Sultan Qaboos University, Muscat, Sultanate of Oman.

2012 – Now: Member of the Appointment, Promotion and Research Committee in the Department of Psychological Sciences and Special Education, Al al-Bayt University, Al-Mafraq, Jordan.

2011 – Now: Reviewer of published research articles in the following Journals: Dirasat, University of Jordan; Jordan Journal of Educational Sciences (JJES), Yarmouk University; Journal of Educational and Psychological Studies (JEPS), Sultan Qaboos University; Al-Manarah for Research & Studies, Al al-Bayt University; An-Najah University Journal for Research, Palestine; Zarqa Journal for Research and Studies in Humanities, Zarqa University; Irbid Journal for Research and Studies, Irbid National University; Al-Balqa Journal, Al-Ahliyya Amman

University; AlMishkah Journal, The Word Islamic Sciences & Education University; Al-Quds University Journal for Human and Social Research, Al-Quds Open University.

2012 – 2014: Member of the Council of the Faculty of Educational Sciences, Al al-Bayt University, Al-Mafraq, Jordan.

2011 – 2015: Member of the Council of the center of Gifted students, Education Directorate in Mafraq Governorate, Al-Mafraq, Jordan.

2011 – 2019: Secretary Dr. of the Councils of the Dep. of Psychological Science and Special Education, Faculty of Educational Science, Al al-Bayt University, Al-Mafraq, Jordan.

2008 – Now: Member of Jordan Society for Scientific Research, Amman, Jordan.

2006 – Now: Member of Jordanian Psychological Association, Amman, Jordan.

SKILLS

- Advanced skills in test design, scale construction & check its psychometric properties.
- Advanced skills in utilizing computerized software packages in the area of testing within the framework of Item Response Theory (IRT) such as BILOG-MG3, MULTILOG, WINSTEPS, BIGSTEPS, Fast test Pro-2006, LDID.
- Advanced skills in data analysis & statistical techniques.
- Advanced skills in utilizing wide spectrum of computerized statistical packages, e.g. SPSS.
- Advanced skills in utilizing Microsoft Programs such as Word, PowerPoint, Excel.
- Advanced skills in research methodology.
- Advanced skills in teaching wide spectrum courses within the framework of both classical test theory (CTT) as well as Item Response Theory (IRT), advanced statistics, and research methodology.
- Advanced skills in designing and implementing workshops in the areas of assessment, testing, research methodology, statistical analysis, E-learning, and computerized statistical packages.
- Advanced leadership skills & communication skills.

COURSES TAUGHT AT THE UNIVERSITY LEVEL

- **M. A Level:** - Research Design & Statistical Techniques; Inferential Statistics and its Educational Applications; Modern Scientific Research Methodology; Measurement, Evaluation & Test Design; Scientific Research Methodology; Methods of Scientific Research; Methods of Evaluation & Testing; Research Curricula in School Administration (Al al-Bayt University, Jordan, 2012- Now); Educational and Psychological Statistics; Item Response Theory (Sultan Qaboos University, 2017-2018).

- **H. Diploma level:** - Classroom Measurement and Evaluation (Sultan Qaboos University, 2017- 2018).
- Measurement and evaluation in Learning Disabilities; Computer Application in School Administration; Class Administration at School; Measurement and Evaluation in Education and Psychology. (Al al-Bayt University, Jordan, 2009- Now).
- **(B. A level):** - Basics of Educational Research; Principles of Psychological and Educational Measurement; Measurement and Evaluation in Special Education; Educational Measurement and Evaluation; Educational Statistics; Measurement and Evaluation in Physical Education; Statistic principles of Physical Education; Descriptive Statistics; Inferential Statistics; Educational Curricula; Basic Concepts in Mathematics; Mathematic and Scientific Concepts; Mathematic Concepts & Their Teaching Methods; Introduction to Education; Educational System in Jordan; Teaching Issues of Childhood; Educational Psychology; Educational Evaluation in the First Grades; Evaluation of Child's learning at Kindergarten; Practical Education (1 & 2); Using the Computer in Teaching (Al al-Bayt University, Jordan, 2004- Now).

LANGUAGES

- Native Arabic Language: Excellent in written and spoken.
- English Language: Satisfactory written and spoken.

AWARDS

- **2016:** Honor's award for the Director of Faculty Development Center (FDC) presented by Al al-Bayt University, Al-Mafraq, Jordan.
- **2015:** Research award for Distinguished Researcher, and one-year seniority in rank and salary (from Associate to Professor) in the faculty of Educational Sciences, presented by the president of Al al-Bayt University.