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### **EDUCATIONAL BACKGROUND**

- Ph.D. in Measurement, Evaluation and Statistics 2015: Kent State University
- Dissertation: *THE RELATIONSHIP BETWEEN STUDENT EVALUATIONS AND TEACHER QUALITY IN HIGH SCHOOL IN SAUDI ARABIA: ITEM RESPONSE THEORY ANALYSIS AND MULTILEVEL MODELING.*  
Major: Measurement, Evaluation and Assessment.  
Minor: Statistics and Quantitative research.
- M.S. in Psychology -Tests and Measurements, 2007: Umm al-Qura University
- B.A. in Mathematics, 2001: College of education at king khalid university.

### **PROFESSIONAL EXPERIENCE**

2022- Chair of Psychology department at College of Graduate Educational Studies, King Abdulaziz University.

2021- Associate Professor, Measurement, Evaluation, Assessment and Statistics, King Abdulaziz University.

2020- Member of the Higher Supervisory Committee for the project of placement tests in specializations in Saudi universities.

2020- Member of the Measurement and Evaluation Committee team in the project for placement tests in specializations in Saudi universities.

2020- Member of the Accreditation and Review Committee team in the project for placement tests in specializations in Saudi universities.

2018-2020, Vice Manger of Measurement and Evaluation Department, Administrative Leadership Development Academy.

2018-2020, Senior Advisor at the Administrative Leadership Development Academy - Measurement and Evaluation Department.

2018- Founding member of the Measurement and Evaluation Department at the Administrative Leadership Development and Preparation Center in the Kingdom of Saudi Arabia.

2018- Founding member and practitioner of psychological, behavioral and personality measurements in the Administrative Leadership Assessment Center.

2018- 2020, Supervising the training, qualification and licensing of residents in cooperation with the British Psychological Society (BPS) at the Administrative Leadership Development Academy.

2018-2019, Project Manager of the Middle Administrative Leaders Assessment Project at the General Directorate of Civil Defense, which included conducting cognitive abilities tests, applying the leadership personality scale, and managing and operating assessment centers according to the leadership competencies framework.

2019-2020, Project Manager of the Middle Administrative Leaders Assessment Project at the General Directorate for Prisons, which included conducting cognitive abilities tests, applying the leadership personality scale, and managing and operating assessment centers according to the leadership competencies framework.

2018 Member and Coordinator of the Senior and Middle Administrative Leaders Assessment Project at the Ministry of Civil Service, which included conducting cognitive abilities tests, applying the leadership personality scale, and managing and operating assessment centers according to the leadership competencies framework.

2015-2021 Assistant Professor, Measurement, Evaluation, Assessment and Statistics, King Abdulaziz University.

2017-2018, Member of the Permanent Committee of students' counselling at king abdulaziz university.

2016- Funder of a house of expertise " EDAAT" at king abdulaziz university.

2022- Funder of Psychometric and Psychological assessment diploma at king abduaziz university.

2007-2014 Lecturer in the Department of Educational Psychology and Counseling in the Postgraduate Education Program.

2001-2006 Mathematics teacher at Saudi ministry of education.

2001-2003 Member of mathematic team of constructing mathematics achievement tests for the ministry of education.

## PUBLICATIONS

Alqarni, A (2022) "A reading of the results of Saudi students' achievement in the test of Trends in International Mathematics and Science Study in TIMSS 2019: reality and expectations. " Cairo University educational science journal.

Alqarni, A. (2021), Students' perceptions of online remote tests during the Covid-19 pandemic: Acceptance, fairness, and reliability in light of some demographic variables. Journal of the Faculty of Education, Benha University, April-March 2021 issue.

Alqarni, A (2020), Developing a measure of national affiliation on a sample of Saudi society in the light of some demographic variables, Journal of Educational and Psychological Sciences, Umm Al-Qura University.

Alqarni, A. (2020), A review of some criticisms towards the general cognitive ability test and its use in critical decisions in education and employment, Journal of Educational Sciences, Cairo University.

Alqarni, A. (2020), Measuring the values and ethics of leadership in government agencies in the Kingdom of Saudi Arabia in light of some demographic variables, The Educational Journal of the College of Education, Sohag University, Issue (80) December 2020.

Alqarni, A (2019, October)" A Design for Comparing CTT and IRT in Test Assembly, Scoring, and Argumentation: Differences Among Reliability, Information, and Validation" October 2019 issue (Volume No. 13, Issue No. 2) of i-manager's Journal on Educational Psychology.

Alqarni A. and other (2019) "Saudi leadership Competency Framework SLCF, unpublished study, The Academy for developing Administrative leaders (ADAL).

Alqarni, A. & Abed M. (2018). Solving the Homework Problem by Flipping the Learning. Translated Textbook, Arab bureau of education for the Gulf States (ABEGS) .

Secolsky, C., Alqarni, A., & Thomas P. Judd (October, 2017). Fostering Greater Equal Opportunity in Assessment: A New Item Analysis Method. Proposal will be presented at The 43rd Annual Conference of the International Association for Educational Assessment.

Assessment (IAEA). October 2 - 6, 2017 | Batumi, Georgia. F

Alqarni, A., & Karpinski, A. C. (2014, January). An Item Response Theory analysis of the Student Rating of Teachers (SRT) scale in a sample of high school students from Saudi Arabia. Presentation presented at the meeting of the Twelfth Annual Hawaii International Conference on Education.

Secolsky, C., Alqarni, A., & Rose, S. (October, 2014). Approaches for incorporating theta estimation in generating information functions of observed score on true score: Or a tail of two test theories. Paper presented at the annual meeting of the Northeastern Educational Research Association. Trumbull, CT.

Alqarni, A. (2007). The extent of efficiency of secondary school student evaluations of the teacher in Bisha Educational Directorate. Unpublished Master's Thesis.

### **Other Publications**

Alqarni A. and other (2019) "Saudi leadership Competency Framework SLCF, unpublished study, The Academy for developing Administrative leaders (ADAL).

Alqarni, A. (2012). Using Rasch analysis to examine the psychometric proprieties of student rating of teachers scale (SRT).

Alqarni, A. (2011). Attention deficit hyperactivity disorder (ADHD) the issues, how to measure it and the most common techniques to deal with it.

Alqarni, A. (2007). The extent of efficiency of secondary school student evaluations of the teacher in Bisha Educational Directorate. Unpublished Master's Thesis.

## PRESENTATIONS AND WORKSHOPS

Alqarni, A. (2022) A Keynote speaker at a symposium on “Insights of the Kingdom Results in TIMSS 2019 Tests” 22-23 Jan 2022 held at Almadina Education Directory, (virtually remotely).

Alqarni, A. (2021) A Keynote speaker at a symposium on “Insights of the Kingdom Results in TIMSS 2019 Tests” and its Role in Supporting the Kingdom’s Efforts in Developing Public Education in the “Accurate Reading in the Evolution of Student Results in TIMSS Tests between 2015 and 2019 and its Implications”, held at King Abdulaziz University, (virtually remotely).

Secolsky, C., Alqarni, A., & Thomas P. Judd (October, 2017). Fostering Greater Equal Opportunity in Assessment: A New Item Analysis Method. Proposal will be presented at The 43rd Annual Conference of the International Association for Educational Assessment. Assessment (IAEA). October 2 - 6, 2017 | Batumi, Georgia. F

Alqarni, A., & Karpinski, A. C. (2014, January). An Item Response Theory analysis of the Student Rating of Teachers (SRT) scale in a sample of high school students from Saudi Arabia. Presentation presented at the meeting of the Twelfth Annual Hawaii International Conference on Education.

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Alqarni, A. (2010, April). Formative assessment. Presentation presented at the meeting of Leeds University ESL center, Leeds, UK.

Alqarni, A. (2006). Dreams between Islamic perspective and psychological perspective.

## AWARDS AND HONORS

Honor and rewards of Kent state university high achievement for international students at 2011, 2012 and 2013.

Honor and rewards of Saudi Arabia Cultural Mission (SACM) through the (PhD) courses 2011, 2012, and 2013.

Honor and rewards of MA degree at Umm Al Qura University 2007.

Honor and rewards of BA degree at King Kahled University 2000.

## TEACHING, ADVISING, AND SUPERVISION

### Courses Taught

EDCG 600: Inferential Statistics

PSYC 71554: Quantitative Statistical Analysis II

EDCG 602: Reading English Texts in specialty field

EDCG 604: Psychological Tests.

EDCG695: Seminar.

EDCG 698: Research Project.

EDCG 652: Educational and Psychological Statistics.

EDCG 694: Scientific research methods.

EDCG702: Qualitative, quantitative and mixed research

EDCG704: Advanced Psychological and educational Statistics.

EDPS 6030: Introduction to Research Design.

ED PS 4110 Educational Psychology: Learning, Literary, and Development

ED PS 2110 Educational Psychology.  
 ED PS 7400: Advanced Research Design.  
 EDME 602: Computer Applications in Measurement and Evaluation.  
 EDME 603: Measurement Theories.  
 EDME 605 :Designing Psychological Tests & Measures.  
 EDME 606 : Evaluation Strategies within classroom.  
 EDME 607: Criterion - Referenced Tests.  
 MES 608: Introduction to Data Analysis.  
 EDME 609 :Measurement of personality.  
 EDME 610: Contemporary issues in measurement and evaluation.  
 SPE 640 :Methods of Measurement and Diagnosis in Special Education.  
 TEC 655 :E-learning and Distance Learning systems.  
 ASME 108 : Assessment centers, establishing and management.  
 ASME 109: Applications of assessment centers.

### Some of Dissertation, Thesis Committees and projects:

- **Project Director:** Ahmed Abdullah Al-Matrafi, MA. Counselling Psychology, King Abdulaziz University, 2022. Project Title: *Distance academic compatibility and its relation with achievement motivation and academic achievement of the students: case of Umm al-Qura University.*
- **Project Director:** Bandar bin Humaid Al Sufyani, MA. Counselling Psychology, King Abdulaziz University, 2022. Project Title: *Job satisfaction and its relationship to achievement motivation and level of ambition among the employees of the Board of Grievances.*
- **Project Director:** Osama Hamed Al-Mohammadi, MA. Counselling Psychology, King Abdulaziz University, 2022. Project Title: *Parental Styles and Their Relationship to Emotional Intelligence Among a Sample of Secondary School Students in Jeddah.*
- **Project Director:** Abdul Khaliq Abdullah Al-Zahrani, MA. Counselling Psychology, King Abdulaziz University, 2022. Project Title: *Internet addiction and its relationship to the motivation to learn among male and female secondary school students in the Adham Education Office.*
- **Project Director:** Turki Faleh Muhammad Al-Salami, MA. Counselling Psychology, King Abdulaziz University, 2022. Project Title: *Psychological anxiety about the Covid-19 pandemic and its relationship to the perspectives towards life among students of Umm Al-Qura University.*
- **Project Director:** Turki Faleh Muhammad Al-Salami, MA. Counselling Psychology, King Abdulaziz University, 2022. Project Title: *Psychological anxiety about the Covid-19 pandemic and its relationship to the perspectives towards life among students of Umm Al-Qura University.*
- **Project Director:** Khaled Awad Rashdan Al-Salami, MA. Counselling Psychology, King Abdulaziz University, 2022. Project Title: *Future anxiety and its relationship to the quality of family life among a sample of secondary school students in Jeddah.*
- **Project Director:** Abdul Rahman Hassan Al-Malki, MA. Counselling Psychology, King Abdulaziz University, 2022. Project Title: *Self-esteem and its relationship to professional competence among students' Counselors in Jeddah education.*
- **Project Director:** Sami Ghormallah Al-Maliki, MA. Counselling Psychology, King Abdulaziz University, 2022. Project Title: *Psychological flexibility and its relationship*

to social competence and psychological stress among primary school students with learning difficulties.

- **Project Director:** Faisal bin Munawwar Al-Salami, MA. Counselling Psychology, King Abdulaziz University, 2022. Project Title: The quality of life and its relationship to the achievement motivation and job satisfaction of administrative centers members in Makkah Province Emirate.
- **Project Director:** Abdul Rahman Maqbool Agili, MA. Counselling Psychology, King Abdulaziz University, 2022. Project Title: Family support and its relationship to self-confidence among middle school students.
- **Project Director:** Abdullah Fahd Mashni Al-Thaqafi, MA. Counselling Psychology, King Abdulaziz University, 2022. Project Title: Psychological stress and its relationship to satisfaction with e-learning among parents of people with intellectual disabilities during the Corona pandemic in Jeddah.
- **Project Director:** Mohammed Brik Mohammed Al Brik, MA. Counselling Psychology, King Abdulaziz University, 2016. Project Title: The effectiveness of a selective integrative counseling program to reduce psychological stress among gifted integrated students among secondary school students.
- **Project Director:** Youssef Khader Mubarak Al-Jabarti, MA. Counselling Psychology, King Abdulaziz University, 2016. Project Title: And its relationship to job satisfaction among a sample of male and female student counselors in Jeddah Governorate.
- **Project Director:** Ahmed Mohammed Hassan Al-Zahrani, MA. Counselling Psychology, King Abdulaziz University, 2016. Project Title: Occupational psychological stress and its relationship to the professional performance of the student counselor in boys' schools at the Royal Commission in Yanbu Al-Sinaiyah.
- **Project Director:** Ahmed Mubarak Suhaim Al-Hudhali, MA. Counselling Psychology, King Abdulaziz University, 2016. Project Title: Academic Help Seeking and its Relation to Academic Achievement in a Sample of Middle School Students in Makkah.
- **Project Director:** Ahmed Mubarak Suhaim Al-Hudhali, MA. Counselling Psychology, King Abdulaziz University, 2016. Project Title: Academic Help Seeking and its Relation to Academic Achievement in a Sample of Middle School Students in Makkah.

### **Research interests**

- Measurement and Evaluation in Higher Education Institutions.
- Test bias and fairness.
- Guessing and means of reducing its impact in measuring the real ability of the examinees.
- Measuring personality and its scientific, and technical practices.
- Measuring Leadership competencies
- Reducing the subjectivity of self-rating and Self-assessment.

- Measurement, evaluation, and decision-making.
- Standardization of international tests on the Saudi environment.
- Assessment centers; theory, practices, and applications.
- Establishment, management and operation of units of assessment for helping decision-making.
- CAT and HLM.
- Techniques of constructing tests for different of purposes using modern one-dimensional or multi-dimensional measurement theory (item response theory) either in traditional or computer adaptive tests (CAT).
- Standardized testing is important but how about the other means of assessment.
- Technology and Assessment
- Artificial intelligent and assessment
- Giftedness: what we Have New to Say About the Identification and Education of Talented Children or adults?

### **FUNDED PROJECTS**

- Higher Supervisory Committee for the project of placement tests in specializations in Saudi universities (2020-2022), Funded by King Abdulaziz university and the ministry of education.
- A Project of Establishing the Measurement and Evaluation Department at the Administrative Leadership Development and Preparation Center in the Kingdom of Saudi Arabia 2018-2020. Funded by the Administrative Leadership Development Academy through King Saud University and Institute of Public Administration.
- A Project of training, qualification and licensing of residents in cooperation with the British Psychological Society (BPS) at the Administrative Leadership Development Academy. Funded by the Administrative Leadership Development Academy through King Saud University and Institute of Public Administration.
- A Project of the Middle Administrative Leaders Assessment 2019-2020. Funded by the General Directorate for Prisons.
- A Project of the Middle Administrative Leaders Assessment 2018-2019. Funded by the General Directorate of Civil Defense.
- A project of the Middle Administrative Leaders Assessment 2018. Funded by the Ministry of Civil Service.

### **Psychometric Consultations**

- Evaluating Research Proposals Submitted to the Ministry of Education Founding Program (2021-2022).
- Reviewing technical report for the Ministry of Education (2020).

- 2020- Senior consultant of the Higher Supervisory Committee for the project of placement tests in specializations in Saudi universities.
- 2018-2020, Senior consultant at the Administrative Leadership Development Academy - Measurement and Evaluation Department.
- Reviewing Research Papers Submitted to Psychological Assessment Journal (2014-2018). American Psychological Association, USA.

### **Software and Computer Skills**

- Tests and measurements programs: ITEMAN, WINSTEPS® Rasch Analysis and Rasch Measurement software, IRTPRO 2.1 (Item Response Theory), BILOG-MG, MULTILOG, and Xcalibre.
- Statistical programs: SPSS, SAS, Liseral, Hierarchical Linear Models (HLM).