

Maha Omair

Assistant Professor

EXPERIENCE:

KSU, Statistics & Operation Research Department — *Assistant Professor (Girls Section-Female Campus)*

08/1430- Present

KSU, Deanship of Development and Quality — *Vice Dean of Development and Quality (Girls Section-Female Campus)*

12/1437H – 12/1439H

KSU, Vice Rectorate of Development and Quality — *Consultant (Girls Section)*

06/1437- 06/1438H

KSU, Vice Rectorate of Development and Quality — *Vice Rector Assistant (Girls Section-Female Campus)*

08/1436 - 06/1437H

KSU, Statistics & Operation Research Department — *Vice Chairman (Girls Section-Female Campus)*

05/1431- 05/1436H

Ministry of Higher Education, Part-Time Consultant

03/1434- 03/1435H

KSU, College of Sciences — *Temporary Vice Dean (Girls Section-Female Campus)*

04/1432- 05/1432H

KSU, Statistics & Operation Research Department — *Lecturer (Girls Section-Female Campus)*

08/1429- 07/1430H

KSU, Statistics & Operation Research Department — *Teaching Assistant (Girls Section-Female Campus)*

08/1423- 08/1429H

KSU, Statistics & Operation Research Department — *Cooperative Teaching Assistant (Girls Section-Female Campus)*

08/1421- 08/1429H

EDUCATION

KSU, Statistics & Operation Research Department — *PHD*

Second Semester 1429/1430H

GPA: 5 out of 5

KSU, Statistics & Operation Research Department — *Master*

12/1424H

GPA: 5 out of 5

KSU, College of Science — *Bachelor of Sciences (Mathematics)*

Second Semester 1429/1430H

GPA: 4.65 out of 5 With Honor

Geneve Academie de Langue et de Commerce, Advanced French Language

04/1987

LANGUAGES

Fluent: Arabic, English and French

INTERNAL ACTIVITIES AND COMMITTEES

- **Member of the National Observatory for Women**
- **Member of the team for constructing the Saudi Women Participation in Development Index**
- **Member of the Standing Committee for the appointment of lecturers, lecturers, assistant researchers and language teachers from**
23/1434H - PRESENT
- **Member of the committee preparing the strategic plan for the Department of Science and Medical Studies**
- **Member of the Permanent Committee for the Joint External Supervision Program for Lectures and Assignments at King Saud University**
- **Member of Academic Affairs Committee, College of Science**
- **Member of the Examinations Committee at the College of Science**
- **Member of the Committee for the selection of Teaching Assistants at the Department of Statistics and Operations Research**
- **Member of the Higher Education Committee, Department of Statistics and Operations Research**
- **Assigned to meet with the Academic Accreditation Delegation for the College of Science (Year: 2011)**
- **Leader of cultural activity for the second semester 1424/1425H**

EXTERNAL PARTICIPATIONS

Ministry of Higher Education (Center for Studies and Research):

- Head of the study group "The experience of girl's Scholarship"

Ministry of Labor

- The first consultative dialogue forum in Jeddah 21/2/1435 - Domestic labor controls and policies (Participation in the first session: the rights and duties of employers and domestic workers)
- Participation in the Workforce Initiative, 1435/1436H through the study "A survey of domestic workers from the perspective of women workers themselves"
- Participation in the Workforce Initiative 1434/1435H through the study "Survey on housemaid"
- Participating in the Workforce Initiative 1433/1434H through the study "Defining and training some employees Sectors in Riyadh on statistical operations "
- Human Resources Fund (2015)

Human Resources Fund (2015)

- Participated in a project to study the mechanisms of dealing with (Correcting) the status of graduates of the Colleges of sciences and the preparation of appropriate training programs to qualify them for the labor market

King Abdul Aziz and his Companions Foundation for Giftedness

- Member of the Higher Committee of Talent (Mawheba) - Creativity (Ibdaa) (2013-2014-2015)
- Vice-Chairman of the Arbitration Committee for the finals of the National Olympics for Creativity (Ibdaa) 2015
- Supervisor of the Arbitration Committee in Al-Baha - Northern Border - Al-Ghat 2015
- Vice-President of the Arbitration Committee for the finals of the 2014 National Olympics for Creativity (Ibdaa)
- Chairman of the Arbitration Committee in Riyadh 2014
- Member of the finals arbitration committee and the arbitration committee in Riyadh area 2013
- Member of the finals arbitration committee and the arbitration committee in Riyadh 2012
- Training course in the statistical analysis for Ministry of Education female employees

Qiyas Center

- Chair, Qiyas Tests Committee (Headquarters: Malaz), 2012
- Vice-Chair, Qiyas Tests Committee (Headquarters: Malaz) 2011
- Member, Qiyas Tests Committee (Headquarters: Malaz) 2010

Aramco

- Member of the survey team of King Abdul Aziz International Cultural Center 2015

SYMPOSIA, CONFERENCES & TRAINING COURSES

- Conference: Modeling High Frequency Data in Finance 4. Stevens Institute of Technology, Hoboken NJ, USA. (19-22 July 2012)
- The 20th ASA/IMS Spring Research Conference on Statistics in Industry and Technology. University of California, Los Angeles Department of Statistics, USA. (20-22/06/2013)
- The 21st International Conference on Computational Statistics. International Conference Center, Geneva, Switzerland. (19-22/08/2014)
- Stress Management Workshop. Academic Leadership Center, Ministry of Higher Education, Riyadh. (09/12/2013)
- Leading the Way to Set Research Agenda for an Academic Department. Academic Leadership Center, Ministry of Higher Education, Riyadh. (07/08/2014)
- The self-study course 16-17/03/1432H at King Saud University provided by Deanship of Skills Development
- Planning to build a quality system in higher education. University Deanship for Development and Quality, Deanship of Quality. (24-28 May 2008)
- Training course in the use and operation of the program of the automatic debugger: 24/7 to 12/9/1425 H. Trainer: Al Wefaq Information Technology
- The First Forum of "Masirat Najah: The Scientific Achievements of Women in the Gulf", 23-24 Dhul Hijjah 1424H, King Faisal Specialist Hospital and Research Center. Organizers: Scientific Committee of Saudi Women Researchers
- The 5th university and society Week (representation of the statistics department) 27/3 - 1/04/1425H
- Contributed to the "Information Highway" Workshop 15/12/2003. Organizers: Scientific Forum, King Saud University
- Provided a training session on Using "SPSS" as part of the Diabetes Educators' Training Program in the National Diabetes Center and analysis of 281 statistical forms.
- Contribution to the security and safety workshop 26-27/02/1426H
- Contribution to the lecture series of research scientific methods by giving lectures on the importance of statistics and methods of data presentation and data analysis. 09/03/1426 and 16/03/1426H

Publication

- Alzaid, Abdulhamid A., and Maha A. Omair. "On the poisson difference distribution inference and applications." Bulletin of the Malaysian Mathematical Sciences Society 8.33 (2010): 17-45.
- Alzaid, Abdulhamid A., and Maha A. Omair. "An extended binomial distribution with applications." Communications in Statistics-Theory and Methods 41.19 (2012): 3511-3527.
- Alzaid, Abdulhamid A., and Maha A. Omair. "Poisson Difference Integer Valued Autoregressive Model of Order One". Bulletin of the Malaysian Mathematical Sciences Society, (2) 37(2) (2014), 465–485

- Alzaid, A. A., Omair, M. A. and Odhah, O. H. (2010). Discrete Distributions on Z. Optimisation and Statistics, Anamaya Publishers, New Delhi, India.
- Maha Omair, Abdulhamid Alzaid, and Omalsad Odhah. "A Trinomial Difference Distribution." Revista Colombiana de Estadística 39.1 (2016): 1-15.
- Omair, Mohammed A., Maha A. Omair, and Hussein Halabi. "Survey on management strategies of rheumatoid arthritis in Saudi Arabia: A Saudi Society for Rheumatology Initiative." International journal of rheumatic diseases (2015).
- AlMuhayfith, Fatimah E., Abdulhamid A. Alzaid, and Maha A. Omair. "On bivariate Poisson regression models." Journal of King Saud University-Science 28.2 (2016): 178-189.
- Alzaid, A. A. and Omair, M. A. (To appear). Poisson Difference Integer Valued Moving Average Model of Order one.
- Alzaid, A. A., Alhadlaq, M. W. and Omair, M. A. Bernoulli Difference Time Series Models. Chilean Journal of Statistics. Vol. 7, No. 1, April 2016, 55-65
- Alomani, G.A., Alzaid, A.A. and Omair, M.A. "A Skellam Garch Model". (accepted in Brazilian Journal of Probability and Statistics)
- Alzaid, A. A., Almuhayfith, F. E., & Omair, M. A. (2017). Bivariate regression models based on compound Poisson distribution. Communications in Statistics-Theory and Methods, 46(15), 7375-7389.
- Omair, Maha A., Alzaid, Abdulhamid A. and Almuhayfith, Fatimah E. "A Bivariate Model based on Compound Negative Binomial Distribution" (Accepted in Revista Colombiana de Estadística)
- Omair, Mohammed A and AlDuraibi, Fatmah K and Bedaiwi, Mohammed K and Abdulaziz, Sultana and Husain, Waleed and El Dessougi, Maha and Alhumaidan, Hind and Al Khabbaz, Hana J and Alahmadi, Ibrahim and Omair, Maha A and others (2017). Prevalence of HLA-B27 in the general population and in patients with axial spondyloarthritis in Saudi Arabia. Clinical Rheumatology, 1-7.
- Omair, M. A., Omair, M. A., & Halabi, H. (2017). Survey on management strategies of rheumatoid arthritis in Saudi Arabia: a Saudi Society for Rheumatology Initiative. International journal of rheumatic diseases, 20(9), 1185-1192.
- Maha A. Omair, Abdullah A. Al-Shiha and Ruba A. Alyafi. "Lack-of-Fit Testing for Polynomial Regression Models without Replications". (to appear)
- Tashkandy, Y. A., Omair, M. A., & Alzaid, A. A. (2018). Bivariate and Bilateral Gamma Distributions. International Journal of Statistics and Probability, 7(2), 66.
- Alzaid, A.A., Omair, M.A. and Alomani, G.A. "Absolute Difference Distribution". (to appear)

Personal

Date of Birth: 17/05/1973

Marital status: Married, four children

Hobbies and Interests

Learning Computer Programs - Scientific Research

Awards

- Award of the Vice Dean for the Distinguished Department in the first semester of the year 1432 / 1433H (during the period of my appointment)

- Award of the Dean of the Department of Science and Medical Studies for the most tender person of the year 1432H
- The title of the ideal student in College of Science for the academic year 1415H