



FACULTY FULL NAME: Maram Abdulaziz Alwohaibi

POSITION: Assistant Professor

Personal Data

Nationality | Saudi

Date of Birth | 8/10/1983

Department | Mathematics

Official UoD Email | malwohaibi@iau.edu.sa

Office Phone No. | 013-3337491

Language Proficiency

| Language | Read | Write | Speak |
|----------|------|-------|-------|
| Arabic | * | * | * |
| English | * | * | * |
| Others | | | |

Academic Qualifications (Beginning with the most recent)

| Date | Academic Degree | Place of Issue | Address |
|-----------|-----------------|----------------|---------|
| 8/6/2018 | PhD | United Kingdom | |
| 6/11/2010 | Master | Saudi Arabia | |
| 12/6/2005 | Bachelor | Saudi Arabia | |

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

| | |
|------------|--|
| PhD | Modelling the Risk of Underfunding in ALM Models |
| Master | New Measurements of Effectiveness in Waiting Lines with Applications |
| Fellowship | (SFHEA) Senior Fellow |

Professional Record: (Beginning with the most recent)

| Job Rank | Place and Address of Work | Date |
|---------------------|------------------------------|-----------|
| Assistant Professor | College of Science in Dammam | 5/4/1440 |
| lecturer | College of Science in Dammam | 19/3/1432 |
| Teaching assistant | College of Science in Dammam | 17/9/1429 |



Administrative Positions Held: (Beginning with the most recent)

| Administrative Position | Office | Date |
|-------------------------|---|------------|
| 25/12/1440 | Strategic Planning & Risk Management Unit | Manager |
| 12/9/2022-19/1/2023 | Vice Deanship for Development and Community Partnership | Supervisor |
| 19/1/2023 until now | Vice Deanship for Development and Community Partnership | Vice Dean |

Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

| # | Name of Investigator(s) | Research Title | Publisher and Date of Publication |
|---|--|--|--|
| 1 | Maram Alwohaibi and Diana Roman | ALM models based on Second Order Stochastic Dominance | Computational Management Science - June 2018, Volume 15, Issue 2, pp 187–211 |
| 2 | Yousry H. Abdelkader and Maram Al-Wohaibi | Computing the Performance Measures in Queueing Models via the Method of Order Statistics | Journal of Applied Mathematics Volume 2011, Article ID 790253, 12 pages |
| 3 | P Birkle, M Zouch, M Alzaqebah, M Alwohaibi | Machine Learning-based Approach for Automated Identification of Produced Water Types from Conventional and Unconventional Reservoirs | Petroleum Geostatistics 2019 2019 (1), 1-5 |
| 4 | Malek Alzaqebah, Sana Jawarneh, Maram Alwohaibi, Mutasem K Alsmadi, Ibrahim Almarashdeh, Rami Mustafa A Mohammad | Hybrid Brain-Storm Optimization algorithm and Late Acceptance Hill Climbing to solve the Flexible Job-Shop Scheduling Problem | Journal of King Saud University-Computer and Information Sciences- 2020/9/12 |
| 5 | Maram Alwohaibi, Malek Alzaqebah, Noura M. Alotaibi , Abeer M. Alzahrani, Mariem Zouch | A hybrid multi-stage learning technique based on brainstorming optimization algorithm for breast cancer recurrence prediction | Journal of King Saud University-Computer and Information Sciences 34 (8: 5192-5203) - 2022 |
| 6 | Maram Alwohaibi, Diana Roman, and Alina Peluso | Scenario Generation for Asset and Liability Management Models Applied to a Saudi Arabian Pension Fund | Journal of Financial Risk Management 11 (2), 277-295 - 2022 |
| 7 | Malek Alzaqebah, Ghaith M Jaradat, Dania Nassan, Rawan Alnasser, Mutasem K | Cyberbullying detection framework for short and imbalanced Arabic datasets | Journal of King Saud University-Computer and Information Sciences 2023/9/1 |



| | | | |
|---|--|---|---|
| | Alsmadi, Ibrahim Almarashdeh, Sana Jawarneh, Maram Alwohaibi, Noha A Al-Mulla, Nouf Alshehab, Suboh Alkushayni | | |
| 8 | Ezzedine Mliki, Maram Alwohaibi | On the generalized mixed fractional Brownian motion time changed by inverse α - stable subordinator | Global and Stochastic Analysis 1/11/2023 |

Refereed Scientific Research Papers Accepted for Publication

| # | Name of Investigator(s) | Research Title | Journal | Acceptance Date |
|---|-------------------------|----------------|---------|-----------------|
| | | | | |
| | | | | |

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

| # | Name of Investigator(s) | Research Title | Conference and Publication Date |
|---|-------------------------|----------------|---------------------------------|
| | | | |
| | | | |

Completed Research Projects

| # | Name of Investigator(s) (Supported by) | Research Title | Report Date |
|---|--|---|-------------|
| 1 | Maram Alwohaibi Malek Fehadi Noura Alotaibi Abeer Alzahrani | Artificial Intelligence Framework for Breast Cancer Recurrence Prediction, Diagnosis and Therapy Plan Optimization.; Alwohaibi, Maram - Department of Mathematics | 2019-2023 |

Current Researches

| # | Research Title | Name of Investigator(s) |
|---|---|--------------------------------------|
| 1 | Automatic Framework Based on Arabic Sentiment Analysis for Harmful Events Detection in Social Media | Malek Fehadi Almarashdeh, Ibrahim |



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|---|--|---|
| | | Maram Alwohaibi Noha Almulla Alsmadi, Mutasem Jawarneh, Sana |
| 2 | Improved Topic Modeling Method for Arabic Short Text based on Dirichlet Multinomial Mixture and Levenshtein Distance Algorithm | Mutasem Alsmadi, Maram Alwohaibi, Malik Fehadi, Noha Almulla, Nouf Alshehab |
| 3 | Mixed Fractional Brownian Motion Time-Changed by Gamma and Tempered Stable Process | Ezzedine Mliki, Maram Alwohaibi, Shaykhah Alajmi |

Contribution to Scientific Conferences and Symposia

| # | Conference Title | Place and Date of the Conference | Extent of Contribution |
|---|---|----------------------------------|------------------------|
| 1 | International Webinar on Science, Sustainable Development and Ecosystems in Saudi Arabia 2021 | College of Science- Saudi Arabia | Article |
| 2 | 1st Annual Scientific Forum of College of Science- 31May to 5Jun 2023 | College of Science- Saudi Arabia | Poster |

Teaching Activities

Undergraduate

| # | Course/Rotation Title | Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics) |
|---|--|--|
| 1 | Introduction in Statistics & Probability | Teaching "Exercises" |
| 2 | Calculus 1 | Teaching the course "Theory and Exercises" |
| 3 | Calculus 2 | Teaching "Exercises" |
| 4 | Probability Theory | Teaching "Exercises" |
| 5 | General Mathematics | Teaching "Exercises" |
| 6 | Foundation of Mathematics | Teaching "Exercises" |
| 7 | Probability | Teaching the course "Theory and Exercises" |
| 8 | Applied Statistics | Teaching the course "Theory and Exercises" |
| 9 | Operations Research | Teaching the course "Theory and Exercises" |



Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

| # | From | To | Position | Organization |
|---|------------|-----------|---|--------------------|
| 1 | 25/12/1440 | Until now | Manager of Strategic Planning & Risk Management Unit | College of Science |
| 2 | 12/9/2022 | 19/1/2023 | Supervisor of Vice Deanship for Development and Community Partnership | College of Science |
| 3 | 19/1/2023 | Until now | Vice Dean of Vice Deanship for Development and Community Partnership | College of Science |

Committee Membership

| # | Position | Organization |
|---|-------------|--|
| 1 | member | Academic Advising Committee |
| 2 | chairperson | Strategic Planning Committee in the Mathematics Department |
| 3 | deputy | Academic Program Development Committee in the Mathematics Department |
| 4 | member | Bachelor of Science in Statistics Program Development Committee, Department of Mathematics |
| 5 | member | Equivalency Committee |