**Kingdom of Saudi Arabia**
**Ministry of Education**
**Shaqra University – College of Science and Humanities – Department of Mathematics**

# Faculty Member CV

| 1 | Personal Details |
|---|---|

| | |
|---|---|
| Name | Reid Mater B Alotaibi |
| Date of Birth | 2/1/1991 |
| Marital Status | married |
| Correspondence Address | Shaqra University College of Science and Humanities AlDawadmi |
| Citizenship | Saudi |
| Email | reid@su.edu.sa |
| Mobile number | 0547490567 |
| 2 | Education |

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| Bachelors of Science | Mathematics | Shaqra university | Saudi Arabia | 2012 |
| Master of Science | Mathematics | Pittsburg State University | USA | 2017 |
| Doctor of Philosophy | Mathematical Sciences | Universityy of Durham | UK | 2025 |
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| | | | | |
| 3 | Specialization and Areas of Interest | | | |

| | |
|---|---|
| Major Specialization | Mathematical Sciences |
| Subspecialty | Mathematic and Statistics |
| Research areas of interest | Applied Mathematics, Statistics, and Probability |
| 4 | Appointments |

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Assistant professor | Shaqra University | Shaqra University | 2025 |
| Lecturer | Shaqra University | Shaqra University | 2019 |
| Teaching Assistant | Shaqra University | Shaqra University | 2013 |
| | | | |
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| 5 | Administrative Work and Committees |
|---|---|

| Name of Administrative Work / Committees | Date |
|---|---|
| Attended the Academy for Ph.D. Training in Statistics (APTS) at Cambridge), studying modules in Statistical Inference and Statistical Computing. | 16–20 December 2019 |
| Attended APTS Online Week, studying Computer Intensive Statistics and High-dimensional Statistics. | 12–16 July 2021 |
| Attended APTS Online, studying *Design of Experiments and Studies* and *Statistical Machine Learning*. | (13–17 September 2021) |
| Attended and gave a presentation at the conference CFE-CM Statistics 2022 (15th International Conference of the ERCIM WG on Computational and Methodological Statistics and 16th International Conference on Computational and Financial Econometrics).). | 2022 |
| | |
| | |

| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|
| Smoothing the Bootstrap for Analysis of Double-Censored Data. | 2025 |
| Advanced modeling of dependent structures using the FGM-quadratic exponential bivariate distribution: Applications in computer and material sciences | 2025 |
| | |

| 7 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| Calculus1 | | |
| Calculus2 | | |
| Introduction to Probability and Statistic | | |
| Graduation Project | | |
| | | |
| | | |

Name: Reid Alotaibi

## Faculty Member CV

| 1 | Personal Details |
|---|---|

| Name | Amani Abdullah Alahmadi |
|---|---|
| Date of Birth | 3/8/1981 |
| Marital Status | Married |
| Correspondence Address | Riyadh, Saudi Arabia |
| Citizenship | Saudia |
| Email | aalahmadi@su.edu.sa |
| Mobile number | 0502293904 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| PGP | Artificial Intelligence and Machine Learning | University of Texas | USA | 2024 |
| PhD | Mathematics and Applied Statistics | Monash University | Australia | 2015-2020 |
| Master of Science in Mathematics | Differential Equations | Taibah University | Saudi Arabia | 2007-2011 |
| Bachelor of Science | Mathematics | King Abdulaziz University | Saudi Arabia | 2000-2004 |

| 3 | Specialization and Areas of Interest |
|---|---|

| Major Specialization | Applied Statistics |
|---|---|
| Subspecialty | Bayesian Methods, Regression Analysis, Multivariate Statistics, Deep Learning |
| Research areas of interest | Data Analysis, Statistical Modeling, Shrinkage Estimators, Machine Learning |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Assistant Professor of Mathematics and Statistics | College of Science and Humanities, | Shaqra University | 2020 - Present |

| Lecturer in Mathematics and Statistics | College of Science and Humanities, | Shaqra University | 2012-2020 |
|---|---|---|---|

## 5  Administrative Work and Committees

| Name of Administrative Work / Committees | Date |
|---|---|
| Member of the Executive Office for Institutional Accreditation | 2022-2023 |
| Head of the Exit Exam Committee | 2022-2023 |
| Supervisor of the Assessment of Learning Outcomes Unit at the Agency for Educational Affairs | 2022-2023 |
| Member of the Mathematics Program Development Team | 2021 - 2024 |
| Chair of the Mathematics Department | 2020-2021 |
| Supervisor of Educational Affairs | 2012-2013 |

## 6  Published Scientific Papers in Scholarly Journals

| Title | Publisher | Issue and Date |
|---|---|---|
| A General Class of Minimax Shrinkage Estimators Under the Balanced Loss Function | Springer (Journal of Statistical Theory and Practice) | Vol. 19, Article 58 — Published **22 Jul 2025**. (SpringerLink) |
| A New Version of Weighted Weibull Distribution: Modelling to COVID-19 Data | Hindawi (Discrete Dynamics in Nature and Society) | **2022**, Article ID 3994361 — **Apr 2022**. (IDEAS/RePEc) |
| Modified Kies power Lomax model with applications in different sciences | Elsevier (Journal of Radiation Research and Applied Sciences) | **Vol. 18, Issue 1 (2025)**. (Peeref) |
| Modeling of lifetime scenarios with non-monotonic failure rates | PLOS (PLOS ONE) | **Vol. 20(1)** — Published 22 Jan 2025 (e0314237). (PLOS) |
| On the effectiveness of the new estimators obtained from the Bayes estimator | AIMS Press (AIMS Mathematics) | **Vol. 10(3)** — Published **14 Mar 2025** (pp. 5762–5784). (AIMS Press) |
| An Alternate Generalized Odd Generalized Exponential Family with Applications to Premium Data | MDPI (Symmetry) | **Vol. 13(11)** — Published **1 Nov 2021** (Article 2064). (MDPI) |
| Study of a modified kumaraswamy distribution | MDPI (Mathematics) | **Vol. 9(21)** — Published **8 Nov 2021** (Article 2836). (MDPI) |
| On the performance of the new minimax shrinkage estimators for a normal mean vector | Demonstratio Mathematica | Accepted |
| An Approach of Integral Equations in Complex-Valued b-Metric Space Using Commuting Self-Maps | Hindawi/Wiley platform (Journal of Function Spaces) | **2022**, Article ID 5862251. (OUCI) |
| On the rhomboidal restricted five-body problem: Analysis of the basins of convergence | Elsevier (New Astronomy) | **Vol. 97 — Nov 2022**, Article 101893. (ScienceDirect) |

## 7  Teaching Activities

| | |
|---|---|
| • Descriptive Statistics<br><br>• Applied Statistics<br><br>• Statistics & probabilities<br><br>• Theory of probabilities<br><br>• Statistical Methods<br><br>• Time Series<br><br>• Research Methodology<br><br>• Differential equation | Shaqra University (Saudi Arabia) Faculty of Sciences and Humanities in Dawadmi. |

Name: Aamani Alahmadi

Signature: Amani

Date: 4/6/2025

# Faculty Member CV

| 1 | Personal Details |
|---|---|

| | |
|---|---|
| Name | Rochdi Jebari |
| Date of Birth | 1983 |
| Marital Status | Married |
| Correspondence Address | College of Science and Humanities -Al-Duwadimi - KSA |
| Citizenship | Tunisia |
| Email | rochdi.jebari@su.edu.sa |
| Mobile number | 0509267351 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| Bachelor | Mathematics | El Manar University | Tunisia | 2007 |
| Master | Mathematics Engineering | Carthage University | Tunisia | 2009 |
| PhD | Mathematics | El Manar University | Tunisia | 2015 |

| 3 | Specialization and Areas of Interest |
|---|---|

| | |
|---|---|
| Major Specialization | Mathematics |
| Subspecialty | Differential Equations and numerical methods |

| Research areas of interest | Fixed point theory, Critical point theory, Boundary value problems, Numerical Analysis, Nonlinear Analysis, Dynamical systems |
|---|---|

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Assistance Professor | University of Monastir | I.P.E.I.M of Monastir | 2010-2015 |
| Assistance Professor | University of Sousse | E.S.S.T.H.S of Sousse | 2015-2017 |
| Assistance Professor | Shaqra University | Al-Quwayiyah | 2017-2025 |
| Assistance Professor | Shaqra University | Al-Duwadimi | 2025-Now |

| 5 | Administrative Work and Committees |
|---|---|

| Name of Administrative Work / Committees | Date |
|---|---|
| Committee of Research & Entrepreneurship at Shaqra University | 2023-2025 |
| Academic Advising Committee - Shaqra University | 2017-2025 |
| Student Activity Committee - Shaqra University | 2017-2025 |
| Editorial Board Member of American Journal of Applied Mathematics (AJAM) | 2019-2021 |
| Editorial Board Member of Pure and Applied Mathematics Journal (PAMJ) | 2018-2020 |
| Editorial Board Member of SCIREA Journal of Mathematics | 2017-2019 |

| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Publisher | Issue and Date |
|---|---|---|
| Existence Results for a Fourth Order Problem with Functional Perturbed Clamped Beam Boundary Conditions | Mathematica Slovaca | 74 (4), 895-916 |
| On the High Energy Solitary Waves Solutions for a Generalized KP Equation in Bounded Domain | Ukrainian Mathematical Journal Equations | Vol 74, No. 3, (2022), 350–363 |

| | | |
|---|---|---|
| Existence results for a clamped beam equation with integral boundary conditions | Electronic Journal of Qualitative Theory of Differential Equations | 2020, No. 70, 1- 17 |
| Multiplicity results for fourth order problems related to the theory of deformations beams | Discrete and Continuous Dynamical Systems Series B. | Vol 25, No. 2, (2020), 489–505 |
| Multiplicity results for a boundary value problem with integral boundary conditions | SeMA Journal. | Vol. 76, (2018) 365-381 |
| Solvability and positive solutions of a system of higher order fractional boundary value problem with integral conditions | Fractional Differential Calculus | Vol. 6, No.2, (2016), 179–199. |
| Positive solutions of system of third-order differential equation with multi-point and integral conditions | Comment. Math. Univ. Carolin. | Vol. 56, 2 (2015) 187 – 207. |
| Solvability and positive solutions of a system of second-order boundary value problem with integral boundary conditions | Boundary value problems | 2014, 2014:262 doi:10.1186/s13661-014-0262-8. |
| Positive solution of system of third-order boundary value problem with three point and integral boundary conditions | Bulletin of Mathematical Analysis and Applications | Vol 6, (3) (2014), 60-78 |
| New analytical method for some nonlinear partial differential equations | American Journal of Computational and Applied Mathematics | 2013, 3(2): 68-73 |
| Adomian Decomposition Method for solving nonlinear heat equation with exponential nonlinearity | International Journal of Math. Analysis | Vol. 7, 2013, no.15, 725-734 |
| A comparison between Adomian decomposition method and wavelet method for solving some integral equations | International Journal of Applied Mathematics | Vol. 25, 2012, no. 5, 631-642 |
| Adomian Decomposition Method for Solving Nonlinear Diffusion Equation with Convection Term | International Journal of Pure and Applied Sciences and Technology | Vol. 12, 2012, no. 1, 49-58 |

| | | |
|---|---|---|
| Homotopy Perturbation Method for solving Elliptic Partial Differential Equations | Int. Journal of Math. Analysis | Vol. 6, 2012, no. 57-60, 2829-2839 |
| Numerical Solution of the (3+1) - Dimentional KP Eqution with Initial Coditions | Int. J. Contemp. Math. Sciences | Vol. 7, 2012, no. 42, 2089 - 2098 |

| 7 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| Differential and Integral Calculus | Ordinary Differential Equations | Economic and Financial Mathematics |
| Graduation Project I | Probability Theory 2 | Statistics and Probability |
| Graduation Project II | Integral Equations | Foundations of Mathematics |
| Applied Real Analysis | Elementary and Financial Mathematics | Numerical Analysis |
| Complex Analysis | Real Analysis | Special Functions |

Name. Rochdi Jebari

Signature: Rochdi Jebari

Date: 2025

## Faculty Member CV

| 1 | Personal Details |
|---|---|

| Name | Aljouharah Thallab Aljuaid |
|---|---|
| Date of Birth | 12/05/1983 |
| Marital Status | Married |
| Correspondence Address | Dawadmi |
| Citizenship | Saudi |
| Email | j-aljuaid@su.edu.sa |
| Mobile number | 0554660622 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| BSc | Mathematics | Taif University | Saudi | 2006 |
| MSc | Statistics | Taif University | Saudi | 2012 |

| 3 | Specialization and Areas of Interest |
|---|---|

| Major Specialization | Mathematics |
|---|---|
| Subspecialty | Statistics |
| Research areas of interest | Bayesian Analysis, Multivariate Statistical Analysis, order Statistics, Statistical Inference, Statistical Decision Theory, Reliability, Liner Statistical Models, Sampling Theory, Statistical Package, |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| lecturer | Shaqra University | Dawadmi | 2013,present |

| 5 | Administrative Work and Committees |
|---|---|

| Name of Administrative Work / Committees | Date |
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| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Publisher | Issue and Date |
|---|---|---|
| Estimating the parameters of an Exponentiated<br><br>Inverted Weibull Distribution Under Type-II Censoring, | Appl. Math. Sci., | 2013 |
| Inference for Inverse Weibull<br><br>Distribution Under Generalized Order Statistics, | Statistics, Fifth Saudi Science Conference<br><br>SSC, | 2012 |
| ALJUAID, Differential Subordination<br><br>and Superordinate for Multivalent Functions, | AIP Conference Proceedings<br><br>series, | 2010 |

| 7 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| Introduction to Mathematics | Operations Research | |
| CalculusI | Linear Algebra | |
| CalculusII | Foundations of Mathematics | |
| Probability Theory | Numerical Analysis | |
| | | |

Name.Aljouharah Aljuaid

Signature:Aljouharah

Date:12-06-2024

# Faculty Member CV

## 1  Personal Details

| | |
|---|---|
| Name | Amal Mohamed Ahmed Elshaer |
| Date of Birth | 6/9/1974 |
| Marital Status | married |
| Correspondence Address | departement of Mathematics, College of Sciences and Humanities Dawadmi  Shaqra University, Saudi Arabia، |
| Citizenship | Egypt |
| Email | aalshaer@su.edu.sa |
| Mobile number | 0533087469 |
| | |

## 2  Education

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| PhD | pure mathematics | Al-Azhar University | Egypt | 2012 |
| Master of Science | pure mathematics | Al-Azhar University | Egypt | 2004 |
| Bachelor | pure mathematics | Al-Azhar University | Egypt | 1996 |
| | | | | |
| | | | | |

## 3  Specialization and Areas of Interest

| | |
|---|---|
| Major Specialization | pure mathematics |
| Subspecialty | Differential equations |
| Research areas of interest | Partial  Differential equations |
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|---|---|---|---|
| 4 | Appointments | | |

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Assistant Professor | Pure Mathematics | Shaqra University | 2012 - now |
| Lecturer | Pure Mathematics | Northern Border University - Arar | 2005-2011 |
| Teacher | Mathematics | Azhari Girls Institute - Akhnaway | 1999-2005 |
| | | | |
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|---|---|
| 5 | Administrative Work and Committees |

| Name of Administrative Work / Committees | Date |
|---|---|
| Head of Academic Advising Committee at the Department of Mathematics at Shaqra University | 2012 |
| Member of the Academic Advising Committee at the Department of Mathematics at Shaqra University | 2012- now |
| Deputy Head of the Mathematics Department | 2017 |
| Member of the Student Activities Department of Mathematics at Shaqra University | 2018-2020 |
| Head of the College's Security and Safety Unit | 2021-2022 |
| Quality Officer in the Mathematics Department | 2020-2024 |
| Head of the College's Professional Development Unit | 2022-2023 |
| Member of the Faculty's Scientific Research Unit | 2019 |
| Graduate Committee Member | 2025 |

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|---|---|
| 6 | Published Scientific Papers in Scholarly Journals |

| Title | Publisher | Issue and Date |
|---|---|---|
| Group analysis of the equation of " the one- dimensional motion of a | Hassan A.Zedan and Amal M. | .No.27, (2001), 364-372 |

| | El-Shaer | |
|---|---|---|
| gas under the influence of monochromatic radiation " Al-Azher First Conference in Computer Science Statistics. | | |
| " Exact solution of equations of motion a polytrpic gas ".App. Math. Comput. | Amal M. El-Shaer | Vol. 141, (2003), 597 – 609. |
| " Exact solutions for nonlinear partial differential equations by using the extended tanh- method" the Sept | Mahmoud M.  El-Borai, Afaf A. Zaghrout  and Amal  M. Elshaer | the Sept. issue of IJMSA (2011). |
| " Exact solutions for nonlinear partial differential equations by using cosine-function method" International Journal of Research and Reviews in Applied Sciences. | Mahmoud M.  El-Borai, Afaf A. Zaghrout and Amal M. Elshaer | (Vo l. 9    issue 3 (2011). |
| " Exact solutions for nonlinear partial differential equations by using the extended multiple Riccati equations expansion method" International  Journal of Research and Reviews in Applied Sciences | Mahmoud M.  El-Borai, Afaf A. Zaghrout and Amal M. Elshaer | (Vo l. 10, issue 1 (2011). |
| DOUBLE SOLITON SOLUTIONS FOR THE (2+1) –DIMENSIONAL GENERALIZED BROER   KAUP SYSTEM" IJRRAS | Amal M. Elshaer | (Vol.19, Issue 1(2014) |
| Exact Solutions for (3-1) - Dimensional Nonlinear Evolution Equation using the Modified (W /G) - Expansion Method" Riha, Journal for Publishing Scientific | Amal M. Elshaer | ١ (٢٠٢٥-١-٢٨)، PP 111:211 |
| New Explicit Solutions to the Nonlinear Modifed Zakharov–Kuznetsov Model for the Wave Deployment in Nonlinear Media | Amal M. Elshaer | ١ (٢٠٢٥-١-٢٨)، PP 158:170 |

| 7 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| Introduction to Statistics | Ordinary Differential Equations | Calculus I |
| Introduction to Mathematic (130Math & 140Math) | Partial Differential Equations | Calculus II |

| | | |
|---|---|---|
| Group Theory | Integral equation, | Calculus III |
| Graduation Project 1 | Numerical Analysis | Differential Geometry |
| Graduation Project 2 | Statistical methods | Special Functions |
| Topological | Integral Calculation | Mathematics Foundations |
| probability theory-1 | Linear Algebra | Complex Analysis |
| probability theory-2 | Vectors   Analysis | Rings and Fields |
| Elementary and Financial Mathematics | Economic and financial mathematics | Number Theory |

Name:  Amal Elshaer

Signature:

Date:  8/9/2025

# Faculty Member CV

| 1 | Personal Details |
|---|---|

| Name | Mohamed Ahmed Elsayed Herzallah |
|---|---|
| Date of Birth | 5 / 7 / 1975 |
| Marital Status | Married |
| Correspondence Address | Ibn Al Ma'Ri- Al Quds Dist, 8627 (postal code 17441), Ad Duwadimi, Saudi Arabia |
| Citizenship | Egyption |
| Email | mharazallah@su.edu.sa |
| Mobile number | 0567840602 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| Bachelor | Mathematics | Zagazig University | Egypt | 1997 |
| Master | Pure Mathematics | Zagazig University | Egypt | 2002 |
| Ph.D | Functional Analysis | Zagazig University | Egypt | 2005 |

| 3 | Specialization and Areas of Interest |
|---|---|

| Major Specialization | Mathematics |
|---|---|
| Subspecialty | Functional Analysis |
| Research areas of interest | Fractional evolution equations, Fractional calculus of variations and Existence and uniqueness of solutions to fractional integro-differential equations. |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Demonstrator | Mathematics | Zagazig University | 1998 - 2002 |
| Assistant lecturer | Mathematics | Zagazig University | 2002 - 2005 |
| Lecturer | Pure Mathematics | Zagazig University | 2005 - 2008 |
| Assistance Professor | Pure Mathematics | Qassim University | 2008 - 2010 |
| Assistance Professor | Pure Mathematics | Majmaah University | 2013 - 2010 |
| Associate Professor | Pure Mathematics | Majmaah University | 2013 - 2015 |
| Assistance Professor | Pure Mathematics | Zagazig University | 2015 - 2020 |
| Assistance Professor | Pure Mathematics | Shaqraa University | 2020 – 2025 |
| Professor | Pure Mathematics | Zagazig University | 2023 - |

## 5 Administrative Work and Committees

| Name of Administrative Work / Committees | Date |
|---|---|
| Head of Quality Committee, Mathematics Department, College of Science, Majmaah University | 2010 - 2013 |
| Head of Schedules Committee, Faculty of Science, Zagazig University | 2016 - 2020 |

## 6 Published Scientific Papers in Scholarly Journals

| The paper | IF SJR | Q |
|---|---|---|
| 1) M. A. El-Sayed and M. A. E. Aly, On the continuation of fractional order evolutionary integral equations and some applications, KJCAM, 9, (2002), 525-533. | | |
| 2) A. M. A. El-Sayed and M. A. E. Herzallah, Continuation and maximal regularity of fractional-order evolution equation, J. Math. Anal. Appl., 296(1), (2004), 340-350. | 1.103 | Q1 |
| 3) M. A. El-Sayed and M. A. E. Herzallah, Continuation and maximal regularity of an arbitrary (fractional) order evolutionary integro-differential equation, Applicable Analysis , 84(11), (2005), 1151 - 1164 . | 0.696 | Q2 |
| 4) M. A. El-Sayed and M. A. E. Herzallah, Continuation and maximal regularity of fractional-order evolutionary integral equation, Inter. J.evolutionequ., 1(2), (2005), 179190. | | |
| 5) M. A. E. Herzallah and D. Baleanu, Fractional-order Euler-Lagrange equations and formulation of Hamiltonian equations, Nonlinear Dyn., 58(1-2),385-391, (2009) | 1.468 | Q1 |
| 6) M. A. E. Herzallah, A. M. A. El-Sayed and D. Baleanu, Perturbation for fractional-order evolutionequation, Nonlinear Dyn. 62: 593–600 (2010) | 1.468 | Q1 |
| 7) M. A. E. Herzallah and D. Baleanu, On abstract fractional order telegraph equation J. Comput. and Nonlinear Dynam., , Vol. 5 number 2 , 021008-5, April (2010). | 0.791 | Q1 |
| 8) M. A. E. Herzallah, A. M.A. El-Sayed and D. Baleanu, On the fractional-order DiffusionWave process, Rom. Journ. Phys., Vol. 55, Nos. 3–4, P. 274–284, Bucharest, (2010) | 0.816 | Q1 |
| 9) M. A. E. Herzallah and D. Baleanu, Fractional-Order Variational Calculus with Generalized Boundary Conditions, Advances in Difference Equations, doi:10.1155/2011/357580 (2011) | 0.539 | Q2 |
| 10) M. A. E. Herzallah, S I.Muslih,  D. Baleanu and E M. Rabei, Hamilton-Jacobi and fractional like action with time scaling, Nonlinear Dyn. Vol. 66(4) (2011) 549-555. | 1.468 | Q1 |
| 11) M. A. EL-Sayed, E. Ahmed and M. A. E. Herzallah, On The Fractional-Order Games With Non-Uniform Interaction Rate And Asymmetric Games, Vol. 1. July 2011, No.1, pp. 1-9. | | |
| 12) M. A. E. Herzallah and K. A. Gepreel, Approximate solution to the time–space fractional cubic nonlinear Schrodinger equation, Applied Mathematical Modelling 36 (2012) 5678– 5685 | 0.876 | Q1 |
| 13) M. A. E. Herzallah and D. Baleanu, Existence of a periodic mild solution for a nonlinear fractional differential equation, Computers and Mathematics with Applications 64 (2012) 3059–3064 | 1.06 | Q1 |
| 14) M. A. E. Herzallah and D. Baleanu, Fractional Euler–Lagrange equations revisited, Nonlinear Dyn. 69(3) 977-982(2012) | 1.468 | Q1 |

| | | |
|---|---|---|
| 15) M. A. E. Herzallah, Variational calculus with fractional and classical derivatives, Rom. J. Phys. (2012) Vol.57(9-10),1261-1269. | 0.816 | Q1 |
| 16) M. A. E. Herzallah, Mild and strong solutions to few types of fractional order nonlinear equations with periodic boundary conditions, Indian J. Pure Appl. Math., (2012) Vol. 34(6) 1-17. | 0.21 | Q4 |
| 17) M. A. E. Herzallah, M. El-Shahed and D. Baleanu, Mild and strong solutions for a fractional nonlinear Neumann boundary value problem, J. Comput. Anal. Appls. (2013) Vol.15(2) 341-352. | 0.4 | Q3 |
| 18) M. A. E. Herzallah, Comments on "The effect of fractional parameter on a perfect conducting elastic half-space in generalized magneto-thermoelasticity" by N. Sarkar and A. Lahiri [Meccanica (2013) 48:231–245], Meccanica (2013) Scopus 48:2567–2568. | 0.81 | Q1 |
| 19) M. A. E. Herzallah, Comments on "Effect of fractional parameter on plane waves of generalized magneto-thermoelastic diffusion with reference temperature-dependent elastic medium" [Comput. Math. Appl. 65 (2013) 1104–1118], Comput. Math. Appl. 67 (2014) 997–998. | 1.06 | Q1 |
| 20) M. A. E. Herzallah and D. Baleanu, On fractional order hybrid differential equations, Abstract and applied analysis, Volume 2014, Article ID 389386, 7 pages. | 0.34 | Q3 |
| 21) M. A. E. Herzallah, Notes on some fractional calculus operators and their properties, Journal of Fractional Calculus and Applications, Vol. 5(3S) No. 19, pp. 1-10. (6th. Symp. Frac. Calc. Appl. August 4, 2014). | | |
| 22) Salah A. Khafagy and Mohamed A. E. Herzallah, Maximum principle and existence of weak solutions for nonlinear system involving weighted (p, q)-Laplacian, Southeast Asian Bulletin of Mathematics . 2016, Vol. 40 Issue 4, p353-364. 12p | | |
| 23) M. A. E. Herzallah,Comments on "Different methods for (3+1)-dimensional space–time fractional modified KdV–Zakharov–Kuznetsov equation" [Comput. Math. Appl. 71(6) (2016) 1259–1269], Comput. Math. Appl. 77(1)( 2019), 66-68 | 1.06 | Q1 |
| 24) M. A. E. Herzallah and A. H. Radwan, Existence and uniqueness of solutions to nonlocalimpulsive fractional Cauchy semilinear conformable differential equations, Journal of Interdisciplinary Mathematics , 22:8, 1295-1310 (2019), DOI: 10.1080/09720502.2019.1696921 | **0.339** | Q3 |
| 25) M. A. E. Herzallah and A. H. Radwan, Existence of mild solutions to semilinear fractional differential inclusion with deviated advanced nonlocal conditions, Journal of the Egyptian Mathematical Society (2019) 27:45 | | |
| 26) M. A. E. Herzallah and A. H. Radwan, Existence and uniqueness of the mild solution of an abstract semilinear fractional differential equation with state dependent nonlocal condition, Kragujevac Journal of Mathematics, Volume 45(6) (2021), Pages 909–923. | **0.314** | Q3 |
| 27) M. A. E. Herzallah, Comments on "Optical singular and dark solitons to the (2 + 1)dimensional time–space fractional nonlinear Schrodinger equation" [Results Phys 22:2021;103870], Results in Physics 25 (2021) 104166 | **0.699** | Q1 |
| 28) M. A. E. Herzallah and A. H. Radwan, Mild solution to hybrid fractional differential equations with state-dependent nonlocal conditions, Journal of integral equations and applications, Volume 34 (2022), No. 1, 93–102 | **0.307** | Q3 |
| 29) M. A. E. Herzallah and A. H. Radwan, Existence and uniqueness of solutions to some classes of nonlocal semilinear conformable fractional differential or integrodifferential equations, Filomat, VOL 36, NO 8 (2022) | **0.467** | Q2 |
| 30) M. A. E. Herzallah, Existence and uniqueness of solution to a fractional Euler-Lagrange equation with both Riemann-Liouville and Caputo derivatives, Journal of fractional calculus and applications, Vol. 13(2) July 2022, pp. 259-265. | | |
| 31) M. A. E. Herzallah and A. H. Radwan, Existence and uniqueness of the mild solution of an abstract nonlocal semilinear fractional integrodifferential equation, Asian-European Journal of Mathematics 16 (05) (2023), 2350076 | **0.310** | Q3 |
| 32) A. E. Matouk, T. N. Abdelhameed, D. K. Almutairi, M. A. Abdelkawy, and M. A. E. Herzallah, Existence of self-excited and hidden attractors in the modified autonomous Van Der Pol-Duffing systems, Mathematics 11 (3) (2023), 591 | **0.498** | Q2 |

| | | |
|---|---|---|
| 33) A. E. Matouk, D. K. Almutairi, M. A. E. Herzallah, M. A. Abdelkawy, and T. N. Abdelhameed, Symmetry in a fractional-order multi-scroll chaotic system using the extended Caputo operator, Symmetry 15 (8), (2023) 1582 | **0.467** | Q2 |
| 34) M. A. E. Herzallah and A. H. Radwan, Existence and uniqueness of mild solutions to a class of hybrid fractional differential equations with non-local conditions, Filomat, (under review) | | |

## 7 Teaching Activities

| Courses | | |
|---|---|---|
| Calculus1, 2, 3 | Integral Equations | Analytic Geometry |
| Differential Equations | Functional Analysis | Linear Algebra |
| Partial Differential Equations | Real Analysis | Abstract Algebra |
| Numerical Analysis | Measure Theory | Topology |
| Complex Analysis | Differential Geometry | Calculus of Variations |
| Fractional Calculus | Differential Equations in Abstract spaces | |

## 8 Scholar Google

https://scholar.google.com/citations?user=7zgCEyAAAAAJ&hl=ar

Name. *Mohamed A. E. Herzallah*

Signature:

Date: 6 / 9 / 2025

# Faculty Member CV

## 1 | Personal Details

| Name | Nader Meteb S Al-Rashidi |
|---|---|
| Date of Birth | 11/1/1986 |
| Marital Status | Married |
| Correspondence Address | Shaqra University, P.O. Box 1390, Dwadmy 11911, Saudi Arabia |
| Citizenship | Saudi |
| Email | nalrashidi@su.edu.sa |
| Mobile number | 00966558822152 |

## 2 | Education

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| Bachelor | Mathematics | King Saud University | KSA | 28/6/2008 |
| Master | Pure Mathematics | Qasim University | KSA | 29/1/2013 |
| Phd | Mathematics and statistic | Strathclyde University | UK | 22/6/2023 |

## 3 | Specialization and Areas of Interest

| Major Specialization | Mathematics |
|---|---|
| Subspecialty | Biomathematics |
| Research areas of interest | Study of spread disease |

## 4 | Appointments

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Teaching assistant | King Saud University | Dwadmy | 2009 |
| Lecture | Shaqra university | Dwadmy | 2013 |
| Assistant professor | Shaqra university | Dwadmy | 2023 |

## 5 | Administrative Work and Committees

| Name of Administrative Work / Committees | Date |
|---|---|
| **Head of mathematics department** | 2023- present |
| **Attending an international conference,**<br>**Tenth International Conference Dynamical System**<br>**Applied to Biology and Natural Sciences.(dsabns),**<br>**And present paper entitled**<br>**Modelling of Antioxid Ant System of Plant Cell in Control and Stress Conditions.** | **3-6 February, Napoli, Italy, 2019.** |
| **Attending an international conference,**<br>**19th International Conference in Computational and Mathematical Method in Science and Engineering ,**<br>**And present paper entitled**<br>**Modelling the Spread of HCV Amongst People who Inject Drugs.** | **30 June-6 July, Cardis, Spain, 2019.** |
| **Attending an international conference,**<br>**21st International Conference on Mathematical Biology and Ecology,**<br>**And present paper entitled**<br>**A Time Since of Injection Model for Hepatitis C Amongst People Who Inject Drugs.** | **20-21 August, 2019, London, United Kingdom.** |
| **Presenting a seminar at Strathclyde University for phd student entitled**<br>**Modelling the Spread of HCV Amongst Injecting Drugs,** | **Glasgow, 2019.** |
| **Obtained the best research certificate in**<br>**21st International Conference on Mathematical Biology and Ecology,**<br>**The title of this research wasA Time Since of Injection Model for Hepatitis C Amongst People Who Inject Drugs** | **20-21, August, 2019, London, United Kingdom** |

| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Publisher | Issue and Date |
|---|---|---|
| **Some types of compactness via topological games** | **Shaqra University Journal** | **2014** |
| **Modeling the spread of hepatitis C virus amongst people who inject drugs** | **Engineering Reports, Wiley** | **volume 4, issue 10, 2022** |
| **Innovative approaches to fractional modeling: Aboodh transform for the Keller-Segel equation** | **AIMS Mathematics** | **24 April 2024** |
| **Generalized Sampling Theory in the Quaternion Domain: A Fractional Fourier Approach** | **MDPI** | **19 December 2024** |
| **A modified sine–cosine probability distribution: Its mathematical features with statistical modeling in sports and reliability prospects** | **Alexandria Engineering Journal** | **14 February 2025** |

| 7 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| **Introduction to Probability & Statistic** | **Foundations of Mathematics** | **Vectors Analysis** |
| **Calculus 1** | **Calculus III** | **Real Analysis** |
| **Calculus 2** | **Linear Algebra I** | **Complex Analysis** |
| **Differential Equations** | **Numerical Analysis** | **Topology** |
| **Introduction to Mathematics** | **Group Theory** | -------------------- |

Name. Nader Al-Rashidi

Signature: Dr.Nader

Date: 22/3/2025

# Faculty Member CV

| 1 | Personal Details |
|---|---|
| Name | Sultanah Naif Bin Dirwish Almutairi |
| Date of Birth | |
| Marital Status | |
| Correspondence Address | Shagra University College of Science and Humanities AlDawadmi |
| Citizenship | Saudi |
| Email | salmotairy@su.edu.sa |
| Mobile number | 0552324140 |

| 2 | Education | | | |
|---|---|---|---|---|
| Degree | Major | Institution | Country | Date |
| Bachelors of Science | Mathematics | Princess Noura University | Saudi Arabia | 2008 |
| Master of Science | Mathematics | King Saud University | Saudi Arabia | 2016 |
| | | | | |

| 3 | Specialization and Areas of Interest |
|---|---|
| Major Specialization | Mathematics |
| Subspecialty | Mathematics |
| Research areas of interest | Mathematics(Differential Equations,Partial Differential Equations,applied mathematics) |

| 4 | Appointments | | |
|---|---|---|---|
| Work Title | Employer | Work Address | Date |
| Lecturer | Shaqra University | Shaqra University | 2024 |
| Teaching Assistant | Shaqra University | Shaqra University | 2010 |
| Teacher | Ministry of Education | Sajir | 2008/2009 |
| | | | |

| 5 | Administrative Work and Committees | |
|---|---|---|
| Name of Administrative Work / Committees | | Date |
| coordinator of Mathematics department (Female Section) | | 2020-2024 |
| Assistance in the Innovation and Entrepreneurship Unit | | 2021-2023 |
| Coordinator of the Quality Unit in the Department of Mathematics | | 2018-2020 |

| 6 | Published Scientific Papers in Scholarly Journals | | |
|---|---|---|---|
| | Title | Publisher | Issue and Date |
| | | | |
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| 7 | Teaching Activities | | |
|---|---|---|---|
| | Courses | | |
| | Calculus1 | Calculus2 | Calculus3 |
| | Differential Equations | Partial Differential Equations | Real Analysis |
| | Complex Analysis | Rings & Fields | Linear Algebra |
| | Graduation Project | Principles of Statistics and Probability | Probability theory |
| | History of mathematics | Introduction to Mathematics | Quantitative Methods for Business & Management (Business administration Departement) |
| | Topology | Financial Mathematics | Vector Analysis |

Name: Sultanah Almutairy

Signature:

Date:6/9/2025

# Faculty Member CV

## 1 | Personal Details

| | |
|---|---|
| Name | Tlili  Kadri |
| Date of Birth | 02/06/1973 |
| Marital Status | Married |
| Correspondence Address | College of Science and Humanities – Department of Mathematics |
| Citizenship | Tunisian |
| Email | tlili.kadri@su.edu.sa |
| Mobile number | +966 507 990 537 |

## 2 | Education

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| HABILITATION | Mathematics | Faculty of science of Sfax, University of Sfax | Tunisia | 08/07/2025 |
| Ph.D | Mathematics | Faculty of science of tunis, University of Tunis  El-Manar | Tunisia | 27/04/2017 |
| Master | Mathematics | Faculty of science of Monastir, University of Monastir | Tunisia | 03/01/2007 |
| Bachelor | Mathematics | Faculty of science of Monastir, University of Monastir | Tunisia | 01/08/1998 |

## 3 | Specialization and Areas of Interest

| | |
|---|---|
| Major Specialization | Mathematics |
| Subspecialty | Applied  Mathematics |
| Research areas of | Numrical methods for partial differential equations, finite |

| | |
|---|---|
| interest | elements method, spectral method, finite difference method, numerical analysis |

## 4    Appointments

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Assistant Professor | Shaqra University | College of Science and Humanities of Dawadmi | 2025 |
| Assistant Professor | Shaqra University | College of Science and Humanities of Afif | 2017-2024 |
| Assistant | Kairouan University | Preparatory Institute for Engineering Studies of Kairouan | 2011-2017 |
| P. E.S | Kairouan University | Higher Institute of Computer Science and Management of Kairouan | 2002-2011 |
| Secondary school professor | Education Ministry | Meknassy secondary school | 1998-2001 |

## 5    Administrative Work and Committees

| Name of Administrative Work / Committees | Date |
|---|---|
| Member of the Committee of Stratigic plan of Shaqra University | 2025-2026 |
| Member of the Committee of Stratigic plan of Colleges of Science and Humanities of Shaqra University | 2021-2024 |
| Coordinator of Development and Quality at College of Science and Humanities of Afif | 2021-2025 |
| Coordinator of Training and Skills Development Unit at College of Science and Humanities of Afif | 2018-2020 |

## 6 | Published Scientific Papers in Scholarly Journals

| Title | Publisher | Issue and Date |
|---|---|---|
| 1- **Tlili Kadri**. *A Galerkin Finite Element Method for the Nonlinear Strongly Damped Wave Equation.* Applicable Analysis. (2024), | Taylor& Francis | DOI: 10.1080/00036811.\\2024.2426227 |
| 2- **Tlili Kadri**, Mohamed Rahmeni and Khaled Omrani. *Efficient and accurate numerical methods for nonlinear strongly damped wave equation in 2+1 dimensions.* Computers and Mathematics with Applications, | ELSEVIER | 160,(2024),148-160 |
| 3- **Tlili Kadri**. *On the $L^\infty$-convergence of two conservative finite difference schemes for fourth-order nonlinear strain wave equations.* Computational and Applied Mathematics, | Springer | , (2021), 40:206 |
| 4- Talha Achouri, **Tlili Kadri** and Khaled Omrani. *Analysis of finite difference schemes for a fourth-order strongly damped nonlinear wave equations.* Computers and Mathematics with Applications | ELSEVIER | 82, (2021), 74-96 |
| 5- **Tlili Kadri** and Khaled Omrani. *A fourth-order accurate finite difference scheme for the Extended-Fisher-Kolmogorov equation.* Bulletin of the Korean Mathematical Society | Korean Mathematical Society | , 55, (2018),297{310 |
| 6- Ahlem Ghiloufi and **Tlili Kadri**. *Analysis of new conservative difference scheme for two-dimensional Rosenau-RLW equation.* Applicable Analysis, | Taylor& Francis | 2016,\\doi.org/10.1080/00036811.2016.1186270 |
| 7- **Tlili Kadri**, Noomen Khiari, Faycal Abidi and Khaled Omrani. *Methods for the numerical solution of the Benjamin-Bona-Mahony-Burgers equation.* Numerical Methods for Partial Differential Equations, | Wiley | 24, (2008), 1501-1516 |
| 8- **Tlili Kadri** and Khaled Omrani . *A second-order accurate difference scheme for an extended Fisher–* | ELSEVIER | 2011, 61(2):451-459 |

| | | |
|---|---|---|
| *Kolmogorov equation,* Computers & Mathematics with Applications | | |

| 7 | TeachingActivities |
|---|---|

| Courses | | |
|---|---|---|
| | Real Analysis | |
| | Calculus | |
| | Linear algebra | |
| | Group Theory | |
| | Rings and Fields | |
| | Number Theory | |
| | Numerical Analysis | |
| | Ordinary Differential Equations | |
| | Partial Differential Equations | |
| | Differential Geometry | |
| | Probability Theory 1 and 2 | |
| | Foundations of Mathematics | |

Name. TLILI IBRAHIM KADRI

Signature:

Date:19/10/2025

# Faculty Member CV

| 1 | Personal Details |
|---|---|

| | |
|---|---|
| Name | Imad Yagoub Hamid Abbaker |
| Date of Birth | 8/6/1975 |
| Marital Status | Married |
| Present Occupation | Assistant professor of Statistics |
| Language | Arabic & English |
| Correspondence Address | P.O. Box 1040 11911 Dawadmi - Saudi Arabia - Shaqra University - Faculty of Sciences and Humanities in Dawadmi - Department of Mathematics |
| Citizenship | Sudanese |
| Email | emad@su.edu.sa |
| Mobile number | +966503932530 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| PhD. in Applied Statistics | Applied Statistics | Sudan University of Science and Technology | Sudan | May 2009 |
| M.sc. in Science of Statistics. | Statistics | Juba University | Sudan | March 2003 |
| B.sc. honours in Statistics. | Statistics | Omdurman Islamic University | Sudan | July 1999 |
| Professional Certificate | Data Analytics | Google & Coursera | online | Aug 2025 |

| 3 | Specialization and Areas of Interest |
|---|---|

| | |
|---|---|
| Major Specialization | Statistics |
| Subspecialty | Applied Statistics |
| Research areas of interest | Applied statistical models - Artificial Neural Networks and Machine Learning Techniques |
| Skills | Data Analyst – Statistical Training Expert - Academic Researcher |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Assistance Professor | Shaqra University | College of Science and Humanities, Department of Mathematics | august 2012 - now |
| Assistance Professor | Nyala University | College of Economics and Commercial Studies, Department of Economics | July 2009 - 2012 |
| Lecturer | Nyala University | College of Economics and Commercial Studies, Department of Economics | February 2003 - May 2009 |
| Teaching Assistant | Nyala University | College of Economics and Commercial Studies, Department of Economics | February 2000 - Feb 2003 |

| 5 | Administrative Work and Committees |
|---|---|

| Name of Administrative Work / Committees | Date |
|---|---|
| Head Department of Economics, Faculty of Economics and Commercial Studies, University of Nyala | May 2003 – Spe 2006 |
| General Manager of Training Center and Capacity Building, University of Nyala. | July 2009 - aug 2012 |
| Program Coordinator in Unit of Distance Learning, Nyala University. | March 2004 – May 2006 |
| Quality Unit Coordinator, Department of Mathematics, College of Science and Humanities, Shaqra University | 2023 – now |

| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Publisher | Issue and Date |
|---|---|---|
| The basic indicators of the population of South Darfur state, from the results of the 5th population census 2008 | Sudan Central Bureau of Statistics (NBS) | 18/06/2011 |
| Use of Box- Jenkins and Artificial Neural Networks Models for prediction in time series | General Union of Arab Statisticians | Vol. 501, 20/12/2011 |

| | | |
|---|---|---|
| Exchange rate in Sudan analytical study using multiple linear regression and artificial neural networks | General Union of Arab Statisticians | Vol. 220, 8-09-2013 |
| Building econometric model for import in Sudan using multiple regression and artificial neural networks | Journal of Humanities, Hadhramaut University | Vol.12 (2). December 2015 |
| Use of Exponential Holt Model and the Box Jenkins Methodology in Predicting the Time Series of Cement Production in Sudan | Journal of Al-Qadisiyah for Computer Science and Mathematics | Vol.12 (1) . 19-02-2020 |
| Prediction of Type 2 Diabetes through Risk Factors using Binary Logistic Regression | Journal of Al-Qadisiyah for Computer Science and Mathematics | Vol. 12 (3). 16-11-2020 |
| Predicting the Financial Distress of Joint stock Companies listed on the Saudi Stock Exchange Market using Artificial Neural Networks | Arab Journal of Scientific Publishing | Vol. 48 (5), 2-10-2022 |
| Using Logistic Regression Models and Artificial Neural Networks to Study the Factors Affecting the Academic Achievement of University Student | Journal of Al-Qadisiyah for Computer Science and Mathematics | Vol. 14 (4) 2022 |
| The Moderating Role of Satisfaction and Trust in the Continuance Intention to use Mobile Banking in Saudi | Review of Economics and Finance | Vol. 21 (1), 30-5-2023 |
| Measuring the impact of the quality of electronic services of Saudi Telecom Company on achieving customer loyalty using structural equation modeling | Scientific Journal of Business and Environmental Studies | Vol. 15(1) 2024 |
| The Impact of Foreign Direct Investment on Economic Growth in the Kingdom of Saudi Arabia Using the Autoregressive Distributed Lag (ARDL) Approach | Journal of North African Economics | Vol. 21(38), 11/06/2025 |
| Machine Learning Techniques in a Hybrid Forecasting Model for Oil Prices Combining ARIMA | Applied Mathematics & Information Sciences | Vol. 19(6), 21/08/2025 |

ACADEMIC REFERENCES

| Title | Publisher | Issue and Date |
|---|---|---|
| Statistical analysis using SPSS | Al Mutanabi Library | 2017 |
| Applied Statistics Methods | International Publishing House | 2018 |
| Operation Research | Rushd bookstore | 2023 |

| 7 | Teaching Activities |
|---|---|

| Courses | |
|---|---|
| Subject | Institute |
| • Descriptive Statistics<br><br>• Applied Statistics<br><br>• Statistics & probabilities<br><br>• Theory of probabilities<br><br>• Statistical Methods<br><br>• Time Series<br><br>• Econometrics<br><br>• Operation Research<br><br>• Statistical Forecasting Methods<br><br>• Research Methodology<br><br>• Methods of Statistical analysis by using SPSS<br><br>• Bio-statistics<br><br>• Design and analysis of experiments<br><br>• Sampling theory | • Nyala University (Sudan): Faculty of Economics and Commercial Studies, Faculty of Technology and Community Development, Faculty of Veterinary Science.<br><br>• Shaqra University (Saudi Arabia) Faculty of Sciences and Humanities in Dawadmi. |

Name: Imad Yagoub Hamid

Signature: Imad

Date: 24/9/2025

## Faculty Member CV

| 1 | Personal Details |
|---|---|

| Name | Malak Alotaibi |
|---|---|
| Date of Birth | 16/02/1991 |
| Marital Status | Married |
| Correspondence Address | LDMC4763, 4763 9266  الدوادمي وطيبة |
| Citizenship | Saudi |
| Email | Malak.h@su.edu.sa |
| Mobile number | 0501236058 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| Bachelor of Science and Education | Mathematics | Shaqra university | Saudi Arabia | 11/06/2012 |
| Master of Science | Pure Mathematica | Nottingham University | England | 11/12/2020 |
| | | | | |
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| | | | | |
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| 3 | Specialization and Areas of Interest |
|---|---|

| Major Specialization | Mathematics |
|---|---|
| Subspecialty | Pure Mathematics |
| Research areas of interest | Mathematics |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Lecturer | Shaqra University | Shaqra university | 23/02/1444 |
| Teaching Assistant | Shaqra university | Shaqra University | 04/04/1435 |
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## 5    Administrative Work and Committees

| Name of Administrative Work / Committees | Date |
|---|---|
| | |
| | |
| Academic Advisor | 04/04/1435 |
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## 6    Published Scientific Papers in Scholarly Journals

| Title | Publisher | Issue and Date |
|---|---|---|
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## 7    Teaching Activities

| Courses | | |
|---|---|---|
| Introduction to Mathematica | | |
| Foundations of Mathematics | | |
| Differential and Integral Calculus | | |
| Graduation Project | | |
| | | |

Name. Malak Alotaibi

Signature: Malak Alotaibi

Date: 15/03/2025

# Faculty Member CV

## 1   Personal Details

| Name | Abdulkarim Alhumaid |
|---|---|
| Date of Birth | 1404/7/22 |
| Marital Status | Married |
| Correspondence Address | |
| Citizenship | Saudi |
| Email | aalhomid@su.edu.sa |
| Mobile number | 0553975553 |

## 2   Education

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| *Bachelor of Science* | Mathematics | Qassim University | Saudi Arabia | *2005* |
| *Master of Science* | Mathematics | Qassim University | Saudi Arabia | 2012 |
| | | | | |
| | | | | |
| | | | | |
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## 3   Specialization and Areas of Interest

| Major Specialization | Mathematics |
|---|---|
| Subspecialty | |
| Research areas of interest | |

## 4   Appointments

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| teacher | Ministry of Education | | *2005–2013* |
| Lecturer | Shaqra University | | 2013 - |
| | | | |
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| 5 | Administrative Work and Committees |
|---|---|

| Name of Administrative Work / Committees | Date |
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| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Publisher | Issue and Date |
|---|---|---|
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| 7 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| Calculus 1 | Calculus 2 | Interoduction of Mathematics |
| Interoduction of Statistics | Foundation of Mathematics | Numerical analysis |
| Complex Analysis | Probability Theory 1 |  |
|  |  |  |
|  |  |  |

Name. Abdulkarim Alhumaid

Signature:

Date:

## Faculty Member CV

| 1 | Personal Details |
|---|---|

| Name | Huda Mutab Mohammad Almutab |
|---|---|
| Date of Birth | 05/05/1981 |
| Marital Status | married |
| Correspondence Address | RLFB4375: Riyadh- Alshifa, Abdulrahim Almghraby.st |
| Citizenship | Saudi |
| Email | halmutab@su.edu.sa |
| Mobile number | 0501772660 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| Bachelor's | Mathematics | King Saud university. | Kingdom of Sudia Arabia. | 30-Jun-2003 |
| Master | Mathematics | College of Education in Alkarj. | Kingdom of Sudia Arabia. | 14-Jun-2017 |
| --- | --- | --- | --- | --- |

| 3 | Specialization and Areas of Interest |
|---|---|

| Major Specialization | Pure Mathematics |
|---|---|
| Subspecialty | Mathematics |
| Research areas of interest | Graph – Mathematical Logic, Mathematical Induction, |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Teacher | Al-Ula Private School | Riyadh | 1425 |
| Teacher | Najan Secondary School | Alkharj | 1426 |
| Teacher | Al-Hatham First Elementary School | Alkharj | 1427 |
| Teacher | Al-Haytham second Elementary School | Alkharj | 1428 |

| | | | |
|---|---|---|---|
| Teacher | Fourth Secondar School | Alkharj | 1429 |
| -- | -- | -- | -- |

## 5     Administrative Work and Committees

| Name of Administrative Work / Committees | Date |
|---|---|
| Quality and Academic Accreditation supervisor of college Science and Human Studies in Durma and in department of computer Science | 28-12-1438 |
| Quality coordinator of computer Science department in Durma | 1439-1440 |
| Statistics Unit coordinator of computer Science department in Durma | 1438-1439 |
| Statistics Unit coordinator of computer Science department in Durma | 1440-1441<br><br>1441-1442<br><br>1442-1443 |
| Member of the Crowd management Committee representing the computer Science In Durma | 21-11-1442 |
| Coordinator of the planning, development and follow- up unit at the college in Durma | 1441-1442 |
| Chair of the student Activities unit at the college in Durma | 1-2-1444<br>1-2-1445 |
| Chair of the Examinations Committee at the college in Durma | 20-7-1445<br><br>20-7-1446 |
| Member of Academic Guidance of department mathematics In Dawadmi | 09/09/2025 |

## 6     Published Scientific Papers in Scholarly Journals

| Title | Publisher | Issue and Date |
|---|---|---|
| Fuzzy graph | In journal of advances in mathematics | 2019 |
| Fuzzy Relational Graph | 6$^{th}$ international conference on (computer Applications and Information Security | 2019 |
| Irregular, regular fuzzy graph and neuromorphic graph with application | International conference on Big Data and Security | 2019- ICBDS2019-<br><br>ISI/Scopus |

## 7     Teaching Activities

| Courses | | |
|---|---|---|
| Introduction of python Language | Mathematics department - First Semester | Level 3 |
| Linear Algebra | Data Science department - First Semester | Level 3 |
| Discrete Mathematics | Data Science department - First Semester | Level 3 |
| Calculus of differentiation of Integral | Chemistry department - First Semester | Level 3 |
| Mathematical programming | Mathematics department - First Semester | Level 3 |
| Group Theory | Mathematics department First Semester | Level 7 |

Name. Dr. Huda Almutab

Signature:

Date:13-10-2025

## Faculty Member CV

| 1 | Personal Details |
|---|---|

| Name | Ekram Obied Fadlallah Saad |
|---|---|
| Date of Birth | 1/1/1975 |
| Marital Status | Married |
| Correspondence Address | Shaqra University – College of Science and Humanities - Al-Dawadmi |
| Citizenship | Sudanese |
| Email | ekram@su.edu.sa |
| Mobile number | 0534538201 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| Master | Applied Statistics | Sudan University of Science and Technology | Sudan | 16/12/2004 |
| Master | Development planning | University of Khartoum | Sudan | 21/7/2002 |
| B.S.c.(Honours) | Econometrics and Social Statistics | University of Khartoum | Sudan | 13/11/1996 |

| 3 | Specialization and Areas of Interest |
|---|---|

| Major Specialization | Econometrics and Social Statistics |
|---|---|
| Subspecialty | Applied Statistics |
| Research areas of interest | Applied Statistics |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Demonstrator | Nile Vally University | Brber - Sudan | 1998 |
| Registrar | Sudan University of Science and Technology | Khartoum - Sudan | 2002 |
| Lecturer | Shaqra University | Al- Dawadmi - Kingdom of Saudi Arabia | 2012 |

| 5 | Administrative Work and Committees |
|---|---|

| Name of Administrative Work / Committees | Date |
|---|---|
| Department quality Coorddinator. | 20/12/1433 |
| Member of the Department Self-Evaluation Committee. | 22/11/1435 |
| Member of the College Internal Audit Committee. | 10/1/1436 |
| Member of the College Statistics Committee. | 16/7/1436 |
| Department quality Coorddinator. | 1439 |
| Designing Electronic Questionnaires At the College. | 1439 and 1440 |
| Member of the Early Childhood Program Development Committee. | 1440 |

| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Publisher | Issue and Date |
|---|---|---|
| The effect of aggregation on the heteroscedasticity. | Scientific Journal of the Sudan University of Science and Technology. | 2004 |

| 7 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| Participation in Scientific Conferences. | Statistical data analysis. | Performance indicators for academic programs. |
| Scientific Posters in Scientific Conferences. | The role of faculty members in improving learning outcomes. | Statistical analysis of questionnaires and the mechanism for displaying results using Power Bi. |
| Statistical Application with Python(1) | International Scientific publications. | Teaching strategies and formulation of learning outcomes. |
| Data analysis using R program "practical" . | Building learning outcomes. | Introduction to Drawing Using the Onshape Program. |
| The Parametric and non – Parametric Statistical tests. | Preparing the scientific paper for scientific publication. | Processing the digital image by using ZEISS INSPECT Correlate in Scientific research. |

Name: Ekram Obied Fadlallah Saad

Signature:

Date: 20/3/2025

## Faculty Member CV

| 1 | Personal Details |
|---|---|

| Name | Olfa Toumi |
|---|---|
| Date of Birth | 08/071985 |
| Marital Status | Single |
| Correspondence Address | Addawadmi |
| Citizenship | Tunisia |
| Email | o.toumi@su.edu.sa |
| Mobile number | +966557714691 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| Ph.D | ., Econometrics | **University El-Manar** | Tunisia | 2018 |
| Master | , Applied Statistics on Management | **Sousse University** (Higher Institute of Management) | Tunisia | 2011 |
| Bachelor`s Degree | , Applied Statistics | **Sousse University** (Higher Institute of Management) | Tunisia | 2008 |
| | | | | |
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| 3 | Specialization and Areas of Interest |
|---|---|

| Major Specialization | Econometrics |
|---|---|
| Subspecialty | Quantitative Methods |
| Research areas of interest | Sustainable development, Education, Spatial econometrics |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Assistant | The Department of Management and Quantitative Methods, | Sousse University Tunisia | 2011-2018 |
| Assistant | **College of Management Shaqra university** | **Afif, Saudi Arabia** | 2018-2024 |
| Assistant | **College of Science and Humanities Shaqra university** | **Afif, Saudi Arabia** | 2024-2025 |

| 5 | Administrative Work and Committees |
|---|---|

| Name of Administrative Work / Committees | Date |
|---|---|
| • Responsible for entrepreneurship Unit | 2018-2019 |
| • Responsible for Statistic unit | 2019-2024 |
| • Responsible for Student Activities unit | 2020-2022 |
| • Responsible for Student dialogue corner | 2020-2022 |
| • Responsible for Marketing Department | 2020-2022 |
| • Committee for the preparation of self-study | 2023-2024 |
| • Committee for the preparation and review of courses descriptions | 2023-2024 |

| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Publisher | Issue and Date |
|---|---|---|
| The management of industrial waste by recycling in Tunisia | Abdelkader Derbeli Olfa Toumi | International Journal of Innovation and Scientific Research, ISSN 2351-8014 |

| | | Vol. 7 No. 2 Aug. 2014, pp. 140-154 IT knowledge |
|---|---|---|
| Education des Femmes et Transition Démographique : Application sur Données de panel pour la région MENA | Olfa Toumi | International Conference on Business, Economics, Marketing & Management Research (BEMM'13). |
| Assessment of Latin American sustainability | Olfa Toumi<br><br>Julie Le Gallo<br><br>Jaleleddine Ben Rjeb | Renewable and Sustainable Energy Reviews 78:878-885 • October 2017. |
| | | |
| | | |

| 7 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| Descriptive Statistics | theory of probability | Human Resource Management |
| Analytical Statistics | Operations Management | Introduction in Business Administration |
| Operations Research | Micro Economic | Financial Engineering |
| Maths | Wage Planning | International Finance |
| Quantitative methods | Financial Mathematics | Portfolio & Investment Analysis |

Name.Olfa Toumi

Signature: Olfa Toumi

Date: 30/3/2025

# Faculty Member CV

| 1 | Personal Details |
|---|---|

| | |
|---|---|
| Name | **Sawsan Salem Alhowaity** |
| Date of Birth | 31/8/1984 |
| Marital Status | Married |
| Present Occupation | Associate professor |
| Language | Arabic & English |
| Correspondence Address | Dawadmi - Saudi Arabia - Shaqra University - Faculty of Sciences and Humanities in Dawadmi - Department of Mathematics |
| Citizenship | Saudi |
| Email | salhowaity@su.edu.sa |
| Mobile number | 0597609830 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| PhD. | Mathematics | University of Victoria | Canada | 2018 |
| Graduate Certificate | Higher Education | University of Victoria | Canada | 2018 |
| M.sc. in Science | Mathematics | University of NewSouth Wales | Australis | 2011 |
| B.sc. | Mathematics | King Abdulaziz University | KSA | 2008 |

| 3 | Specialization and Areas of Interest |
|---|---|

| Major Specialization | Applied Mathematics |
|---|---|
| Subspecialty | Celestial Mathematics |
| Research areas of interest | *Dynamical System Differential Equations-Celestial Mechanics-N-Body Problem.* |
| Skills | Teaching and publishing, effective research and analytical skills for new knowledge creation, pedagogical skills for curriculum design and student mentorship, time management and collaboration. |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Associate Professor | Shaqra University | College of Science and Humanities, Department of Mathematics | 2023 |
| Assistance Professor | Shaqra University | College of Science and Humanities, Department of Mathematics | 2019 |
| TA | University of Victoria | Department of Mathematics | 2017 |
| Lecturer | Shaqra University | College of Science and Humanities, Department of Mathematics | 2012 |

| 5 | Administrative Work and Committees |
|---|---|

| Name of Administrative Work / Committees | Date |
|---|---|
| *Secretary of the Scientific Council, Shaqra University.* | 2025 -Now |

| | |
|---|---|
| *Vice Deanship of Development and Quality, Shaqra University.* | 2023-2025 |
| *Secretary of the Committee for the A airs of Teaching Assistants, Lecturers, Language Teachers, and Research Assistants, Shaqra University.* | 2021-2025 |

| | |
|---|---|
| *Member of the Standing Committee for Shaqra University Award for Research Excellence.* | 2023 – 2024 |
| *Vice Dean of the College of Science and Humanities, Al Dawadmi Colleges, Shaqra University.* | 2019-2022 |
| *Head of the Mathematics Program Development Team, Shaqra University.* | 2021-2023 |
| *Member of the Higher Permanent Committee for Sustainability at Shaqra University.* | 2020-2020 |

| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Issue and Date |
|---|---|
| *Kepler-Newton Orbits Using Rotor-Coordinates, Published.* | 2011 |
| *Kepler-Newton Orbits Using Rotor-Coordinates, Published.* | 2017 |
| *Relative Equilibria in Curved restricted 4- and 5-body Problems.* | 2019 |
| *The Curved 2 And 3-Center Problem On Constant Negative Surfaces.* | 2021 |
| *Approximation Solution of the Nonlinear Circular Sitnikov Restricted Four{Body Problem.* | 2021 |
| *E ect of the Planetesimal Belt on the Dynamics of the Restricted Problem of 2 + 2 Bodies.* | 2022 |
| *Study of Lagrange Points in the Earth-Moon System with Continuation Fractional Potential.* | 2022 |
| *On the Periodic Solutions for the Perturbed Spatial Quantized Hill Problem.* | 2022 |
| *Existence and stability of equilibrium points in quantized Hill system.* | 2022 |
| *Exploring periodic orbits of generalized Heiles system.* | 2022 |
| *On the dynamics of non-spherical test particle in the spatial collinear restricted four-body problem.* | 2023 |
| **Google Scholar** : https://scholar.google.com/citations?user=sibz1PwAAAAJ&hl=en | |

| 7 | Teaching Activities |
|---|---|

<table>
<tr><td colspan="2" align="center">Courses</td></tr>
<tr><td align="center">Subject</td><td align="center">Institute</td></tr>
<tr>
<td><em>Foundations of Mathematics, Linear Algebra, Numerical Analysis.<br>
Differential Equations, Statistics, Special Functions, LaTeX Language and Calculus.<br>
Numerical Analysis, Introduction to Mathematics, Group Theory, Integral Equation, Vector Analysis and Topology.<br>
Numerical Analysis and Linear Algebra.<br>
Foundations of mathematics and Educational Statistics (Master Degree Course).<br>
Foundations of mathematics, Introduction to Mathematics and Educational Statistics (Master Degree Course).</em></td>
<td align="center">Shaqra University.</td>
</tr>
</table>

Name: Sawsan  Alhowaity

Signature:

Date: 7 September 2025

# Faculty Member CV

## 1 | Personal Details

| | |
|---|---|
| Name | Shuruq Hasen Alotaibi |
| Date of Birth | 09-05-1986 |
| Marital Status | Married |
| Correspondence Address | King Abdul Aziz Street. Ad Dawadimi |
| Citizenship | Saudi |
| Email | Shalotaibi@su.edu.sa |
| Mobile number | 0551071510 |

## 2 | Education

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| Bachelor's Degree in Mathematics | Mathematic | Riyadh University | Saudi Arabia | 2007 |
| Master's in financial mathematics | Financial Mathematic | Brunel University of London | United Kingdom | (15-12-2016) |
| Training program Certificate of Applied Computer Program | Computer Program | Duwadimi collage | Saudi Arabia | 2009 |
| | | | | |
| | | | | |
| | | | | |

## 3 | Specialization and Areas of Interest

| | |
|---|---|
| Major Specialization | Mathematic |
| Subspecialty | Financial Mathematic |
| Research areas of interest | Excess rate of return from jump risks |

## 4 | Appointments

| Work Title | Employer | Work Address | Date |
|---|---|---|---|

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## 5 Administrative Work and Committees

| Name of Administrative Work / Committees | Date |
|---|---|
| Academic guidance | |
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| | |

## 6 Published Scientific Papers in Scholarly Journals

| Title | Publisher | Issue and Date |
|---|---|---|
| Excess rate of return from jump risks: geometric Levy models for asset pricing | | 2017 |
| A Multilevel Analysis of Saudi Arabian Student 8th Grade Mathematics Achievement TIMSS 2011 | | 2022 |
| | | |
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## 7 Teaching Activities

| Courses | | |
|---|---|---|
| English as Second Language | - IELTS Course in United Kingdom | |
| Course of the modern direction of students motivation | | |

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Name. Shuruq Hasen

Signature: sh.Alotaibi

Date: 07-10-2025

**Kingdom of Saudi Arabia**
**Ministry of Education**
**Shaqra University – College of Science and Humanities – Department of Mathematics**

# Faculty Member CV

| 1 | Personal Details |
|---|---|

| Name | Tahani Sultan Alotaibi |
|---|---|
| Date of Birth | |
| Marital Status | Married |
| Correspondence Address | Ad-dwadimi |
| Citizenship | Saudi |
| Email | taldajani@su.edu.sa |
| Mobile number | 0542792197 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| Doctor of Philosophy | Financial Mathematics | University of Plymouth, | UK | 2022 |
| Master of Science | Mathematics (differential equations), | Princess Noura Bint Abdulrahman University, | Saudi Arabia | 2009 |
| Bachelor of Science | Mathematics | Girls Colleges | Ad-Dwadimi | |

| 3 | Specialization and Areas of Interest |
|---|---|

| Major Specialization | Mathematics |
|---|---|
| Subspecialty | Financial Mathematics |
| Research areas of interest | studying optimal methods for risk analysis, return assessment, portfolio investment, financial analysis. |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| *assistant professor* | Shaqra University | Ad-dwadimi | 2023 |
| *Lecturer* | Shaqra University | Ad-dwadimi | 2009 |
| *teaching assistant* | Shaqra University | Ad-dwadimi | 2006 |
| | | | |

## 5 Administrative Work and Committees

| Name of Administrative Work / Committees | Date |
|---|---|
| *Assist of deputy of the College of Science and Humanities second semester 33/1434* | *33/1434* |
| *Member of the Board of College of the second semester 33/1434* | *33/1434* |
| *Member of the Board of the Mathematics section of the second semester 33/1434* | *33/1434* |
| *Coordinator the foundation year at the College of Science and Humanities* | *32/1433* |
| *Supervising the foundation year at the College of Science beginning of the first semester of the year 31/1432* | *31/1432* |
| *Member of the Board of College* | *30/1431* |
| *Head of Mathematics section beginning of the second semester of 1430* | *1430* |
| *Director of the section of Social Guidance and counseling students the first semester of 1430* | *1430* |

## 6 Published Scientific Papers in Scholarly Journals

| Title | Publisher | Issue and Date |
|---|---|---|
| 'Positive solutions for fourth order boundary value problems' | Int. Journal of Math. Analysis | **2** 1281-1286 |
| Efficient Frontiers in Portfolio Optimisation with Minimum Proportion Constraints, | "Proceedings of the Companion Publication of the 2019 Annual Conference on Genetic and Evolutionary Computation", | ACM (2019), 358-359. |
| Constructing Class-Based Portfolios on Gulf Markets with Metaheuristics, | extended abstract presented at OR'61 | (2019) |
| The Worst Case GARCH-Copula CVaR Approach for Portfolio Optimisation: Evidence from Financial Markets ', | Journal of Risk and Financial Management | **15**(10), 482. |

## 7 Teaching Activities

| Courses | | |
|---|---|---|
| *Calculus (1)* | *calculus (2)* | *calculus (3)* |
| *calculus (4)* | *differential equations* | *linear algebra* |
| *Financial and Economic Mathematics* | *Foundations of Mathematics* | |
| | | |

Name. Tahani Sultan Alotaibi

Signature:

Date: 2/4/ 2025

# Faculty Member CV

## 1    Personal Details

| | |
|---|---|
| Name | Mohamed Mahmoud yakout |
| Date of Birth | 10-3-1977 |
| Marital Status | mar |
| Correspondence Address | departement of Mathematics, College of Sciences and Humanities ,Dawadmi Shaqra University, Saudi Arabia |
| Citizenship | Egypt |
| Email | myakowt@su.edu ,sa |
| Mobile number | +966535843936 |

## 2    Education

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| PhD | pure mathematics | Suez Canal University | Egypt | 2010 |
| Master | pure mathematics | Suez Canal University | Egypt | 2004 |
| Bachelor | mathematics | Suez Canal University | Egypt | 1998 |
| | | | | |
| | | | | |

## 3    Specialization and Areas of Interest

| | |
|---|---|
| Major Specialization | pure mathematics |
| Subspecialty | Differential equations |
| Research areas of interest | Integral inequality |

## 4    Appointments

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Assistant Lecturer | Mathematics | Suez Canal University | 1999-2004 |
| Assistant Lecturer | Pure Mathematics | Suez Canal University | 2004-2010 |
| Lecturer | Pure Mathematics | Suez Canal University | 2010 |

| | | | |
|---|---|---|---|
| Lecturer | Pure Mathematics | Port said University | 2010-2012 |
| Assistance Professor | Pure Mathematics | Shaqra University | 2012-now |
| | | | |
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## 5 Administrative Work and Committees

| Name of Administrative Work / Committees | Date |
|---|---|
| Head of Academic Advising Committee at the Department of Mathematics at Shaqra University | 2024-now |
| Member of the Academic Advising Committee at the Department of Mathematics at Shaqra University | 2023-2024 |
| Member of the Student Activities Department of Mathematics at Shaqra University | 2022-now |
| Graduate Committee Member | 2024- now |
| Member of the Excuses Committee | 2024-now |
| Member of the Scheduling Committee | 2018-now |
| Member of the Examination Committee | 2020-n0w |

## 6 Published Scientific Papers in Scholarly Journals

| Title | Publisher | Issue and Date |
|---|---|---|
| On some new integral -inequalities of Gronwall Bellman–Pachpatte – type | Applied Mathematics and Computation | 217 (2011) 7887–7899 |
| On Wendroff's Inequality and Applications | .int. Journal of Math analysis | Vol. 4, 2010, no. 13, 607 616 |
| On some nonlinear intgro differential inequalities of general bellman -type | Ain shams University | 1/1/1999 |
| | | |
| | | |

## 7 Teaching Activities

| Courses | | |
| --- | --- | --- |
| Ordinary Differential Equations | Calculus III | Differential Geometry |
| Functional Analysis | Calculus IV | Number Theory |
| Numerical Analysis | Partial Differential Equations | Real Analysis |
| Calculus I | Elementary and Financial Mathematics | Rings and Fields |
| Calculus II | Special Functions | Graduation project 1 |
| Graduation project 2 | Statistical methods | Operations research |
| Introduction to Statistics | Economic and financial mathematics | History of Mathematics |

Name.

Signature:

Date:

## Faculty Member CV

| 1 | Personal Details |
|---|---|

| | |
|---|---|
| Name | Majid Abdullah D Alharbi |
| Date of Birth | 5/1/1985 |
| Marital Status | married |
| Correspondence Address | Shagra University College of Science and Humanities AlDawadmi |
| Citizenship | saudi |
| Email | majidalharbi@su.edu.sa |
| Mobile number | 0569747888 |
| 2 | Education |

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| Bachelors of Science | Mathematics | Alqassim University | Saudi Arabia | 2008 |
| Master of Science | Mathematics | Alqassim University | Saudi Arabia | 2011 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 3 | Specialization and Areas of Interest | | | |

| | |
|---|---|
| Major Specialization | Mathematics |
| Subspecialty | Pure  mathematics |
| Research areas of interest | Mathematics |
| 4 | Appointments |

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Lecturer | Shaqra University | Shaqra University | 2012 |
| Teacher | Ministry of Education | Education Administrati on of unozah | 2008 |
| | | | |
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| 5 | Administrative Work and Committees |
|---|---|

| Name of Administrative Work / Committees | Date |
|---|---|
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| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Publisher | Issue and Date |
|---|---|---|
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| 7 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| calculus | | |
| History of mathematics | | |

| | | |
|---|---|---|
| Group Theory | | |
| Graduation Project | | |
| Mathematics in our Live | | |
| | | |

Name:Majid Alharbi

Signature:

Date:7/9/2025

**Kingdom of Saudi Arabia**
**Ministry of Education**
**Shaqra University – College of Science and Humanities – Department of Mathematics**

## Faculty Member CV

### 1　Personal Details

| | |
|---|---|
| Name | Ahmed Abdulaziz alhoshani |
| Date of Birth | 21\8\1971 |
| Marital Status | married |
| Correspondence Address | Qassim-Albukayriyha |
| Citizenship | KSA |
| Email | aalhawshani@su.edu.sa |
| Mobile number | 966505144061 |

### 2　Education

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| M.Sc | Mathematics | Qassim University | K.S.A | 2013 TO present |
| B.S.c | Mathematics | King Saud University | K.S.A | 1994-2013 |
| | | | | |
| | | | | |
| | | | | |
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### 3　Specialization and Areas of Interest

| | |
|---|---|
| Major Specialization | Mathematics |
| Subspecialty | Mathematics |
| Research areas of interest | Pure Mathematics |

### 4　Appointments

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Teacher of Mathematics | Qassim | Qassim-Albukiriyah | 1994-2013 |
| Lecturer of Mathematics | Sajer | College of Science and Arts at Sajer | 2013-2025 |
| | | | |

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## 5  Administrative Work and Committees

| Name of Administrative Work / Committees | Date |
|---|---|
| Nothing |  |
|  |  |
|  |  |
|  |  |
|  |  |

## 6  Published Scientific Papers in Scholarly Journals

| Title | Publisher | Issue and Date |
|---|---|---|
| Nothing |  |  |
|  |  |  |
|  |  |  |
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## 7  Teaching Activities

| Courses | | |
|---|---|---|
|  |  |  |
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|  |  |  |
|  |  |  |

Name.Ahmed  Abdulaziz Alhawshani

Signature:

Date:7/10/2025

## Faculty Member CV

| 1 | Personal Details |
|---|---|

| Name | Anis Rajhi |
|---|---|
| Date of Birth | 22-06-1978 |
| Marital Status | Married |
| Correspondence Address | Faculty of Science and Humanities, 17472 Dawadmi. |
| Citizenship | Tunisia |
| Email | anis.rajhi@su.edu.sa |
| Mobile number | +966 0530892438 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| PhD in pure mathematics | Pure Mathematics | University of Poitiers | France | 2014 |
| Aggregation in mathematics | Mathematics | University of Carthage | Tunisia | 2007 |
| Master of pure mathematics | Mathematics | University of Tunis El Manar | Tunisia | 2004 |
| Bachelor of Mathematics | Mathematics | University of Tunis El Manar | Tunisia | 2003 |

| 3 | Specialization and Areas of Interest |
|---|---|

| Major Specialization | Algebra |
|---|---|
| Subspecialty | Representation Theory and Group Theory |
| Research areas of interest | Representations of reductive $p$-adic groups, Simplicial complexes, Affine buildings, Cohomology with compact support, Theory of groups. |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Associate Professor of Mathematics | University of Gafsa | Preparatory Institute for Engineering Studies, University of Gafsa, Tunisia | 2008-2009 |
| Associate Professor of Mathematics | University of Carthage | Preparatory Institute for Scientific and | 2009-2010 |

| | | Technical Studies, University of Carthage, Tunisia | |
|---|---|---|---|
| Associate Professor of Mathematics | University of Poitiers | Ecole Nationale Supérieure de Mécanique et d'Aérotechnique ENSMA, University of Poitiers, France | 2011-2013 |
| Temporary attached to teaching and research | University of Versailles | Department of Mathematics, University of Versailles, France | 2013-2014 |
| Assistant Professor of Mathematics | University of Sousse | ESSTHS Department of Mathematics, University of Sousse, Tunisia | 2014-2018 |
| Assistant Professor of Mathematics | University of Manouba | ESCT Department of Quantitative Methods, University of Manouba, Tunisia | 2018-2019 |
| Assistant Professor of Mathematics | University of Shaqra | Faculty of Sciences and Humanities in Dawadmi, University of Shaqra, Saudi Arabia | 2019-2025 |

## 5    Administrative Work and Committees

| Name of Administrative Work / Committees | Date |
|---|---|
| Student Activity Committee | 2025-2024 |
| Student Activity Committee | 2024-2023 |
| Academic Advising Committee | 2023-2022 |
| Academic Advising Committee | 2022-2021 |
| | |

## 6    Published Scientific Papers in Scholarly Journals

| Title | Publisher | Issue and Date |
|---|---|---|
| **Anis Rajhi**, Cohomologie à support compact d'un espace au-dessus de l'immeuble de Bruhat-Tits de *GLn* sur un corps local. Représentations cuspidales de niveau zéro. | Confluentes Mathematici<br><br>http://archive.numdam.org/articles/10.5802/cml.47/ | 10 no. 1 (2018), p. 95-124 |
| **Anis Rajhi**, Groups whose lattices of normal subgroups are factorial. | Algebra and Discrete Mathematics,<br><br>http://dx.doi.org/10.12958/adm1264 | Vol 30, no. 2 (2020), |
| **Anis Rajhi**, Compactly supported cohomology of a tower of graphs and generic representations of *PGL*(*n*) over a local field. | Comptes Rendus Mathématique<br><br>https://doi.org/10.5802/crmath.485 | Vol 361<br><br>(2023), |
| **Anis Rajhi**, A generalization of group commutativity | Journal of Algebra and its Applications<br><br>https://doi.org/10.1142/S0219498826501963 | |
| **Anis Rajhi**, Representation of a locally compact totally disconnected group on the 1-cohomology of dual graphs | Ukrainian Mathematical Journal<br><br>Submitted | |
| **Anis Rajhi,** On the *GLn*(*F*)-module structure of Hc1(Y,C) where Y is the chamber graph of the affine building | Transformation Groups<br><br>Submitted | |

## 7    Teaching Activities

| Courses | | |
|---|---|---|
| Group Theory | Introduction to Mathematics 2 | Graduation Project 1 |
| Maths in Our Lives | Real Analysis | Vector Analysis |
| Rings and Fields | Functional Analysis | Complex Analysis |

| Special Functions | Vectors and Matrices | Foundations of Mathematics |
|---|---|---|
| Introduction to Mathematics 1 | Calculus | Ordinary Differential Equations |

Name. Anis Rajhi

Signature:

Date: 04/04/2025

**Kingdom of Saudi Arabia**
**Ministry of Education**
**Shaqra University – College of Science and Humanities – Department of Mathematics**

# Faculty Member CV

| 1 | Personal Details |
|---|---|

| Name | Faidi Wahid |
|---|---|
| Date of Birth | 06/10/1980 |
| Marital Status | married |
| Correspondence Address | Shagra University College of Science and Humanities AlDawadmi |
| Citizenship | Tunisian |
| Email | faidiwahid@su.edu.sa |
| Mobile number | 0591488986 |
| 2 | |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| PhD in Applied Mathematics | Applied Mathematics | National Engineering School of Tunis | Tunisia | 2012 |
| Aggregation in Mathematics (equivalent master's degree) | Mathematics | Preparatory Institute for Scientific and Technical Studies of La Marsa | Tunisia | 2005 |
| Higher normal school diploma in Mathematics | Mathematics | Higher normal school of Tunis | Tunisia | 2003 |
| Bachelor's degree in Mathematics | Mathematics | Faculty of Sciences of Tunis – | Tunisia | 2003 |

| 3 | Specialization and Areas of Interest |
|---|---|

| Major Specialization | Applied Mathematics |
|---:|:---|
| Subspecialty | Financial and Actuarial Mathematics |
| Research areas of interest | Probability, Statistics and Stochastics processes<br>Backward Stochastic differentials equations<br>Stochastic Control and Stochastic optimization<br>Financial and Actuarial Mathematics |
| 4 | |

| 5 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|:---:|:---|:---:|:---:|
| Assistant Professor | Shaqra University | Al Dawadmi | 2017-present |
| | El Manar University | Tunisia | 2016-2017 |
| | Mannouba University | Tunisia | 2016-2014 |
| | Gabes University | Tunisia | 2014-2013 |
| Aggregate Professor in Mathematics | Gabes University | Tunisia | 2005-2013 |

| 6 | Administrative Work and Committees |
|---|---|

| Name of Administrative Work / Committees | Date |
|:---|:---:|
| Supervisor of Mathematics Department<br>College of Science and Humanities - Al Quwaiiyah  Shaqra University  – Kingdom of Arabie Saoudite | 2021-2025 |
| Head  of  Technology  Department - Higher institute of Applied Sciences and Technology- University of  Gabès – Tunisia | 2011-2014 |

| 7 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Publisher | Issue and Date |
|:---|:---|:---|
| Maximization of Recursive Utilities : A Dynamic Maximum Principle Approach,  . | SIAM Journal on Financial Mathematics | Vol. 2, pp.1014-1041  . (2011). |
| Optimal stochastic control problem under model uncertainty with nonentropy penalty | International Journal of   , Theoretical and Applied Finance | Vol. 20, No. 03, 1750015 (2017) |

| | | |
|---|---|---|
| Expected Utility Maximization Problem Under State Constraints and Model Uncertainty | J. Optim. Theory Appl. | 183(3): 1123-1152 (2019) |
| BURKHOLDER–DAVIS–GUNDY INEQUALITY FOR g–MARTINGALES | Mathematical Inequalities & Applications | Volume 27, Number 3 (2024), 561–569 |
| Optimal investment and consumption under logarithmic utility and uncertainty. | Probability, Uncertainty and Quantitative Risk (PUQR) | Early Access   2025 |

| 8 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| Statistics and Probability | | |
| Linear algebra | | |
| Differential equation | | |
| Calculus | | |
| Statistics Methods | | |
| Operational research | | |

Name:FAIDI Wahid

Signature:

Date:6/9/2025

**Kingdom of Saudi Arabia**
**Ministry of Education**
**Shaqra University – College of Science and Humanities – Department of Mathematics**

## Faculty Member CV

| 1 | Personal Details |
|---|---|

| Name | Ohoud Sami Bakri |
|---|---|
| Date of Birth | 23-12-1984 |
| Marital Status | Married |
| Correspondence Address | |
| Citizenship | Saudi |
| Email | ahsabk@su.edu.sa |
| Mobile number | 0553122270 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| BS degree | Statistics | King Abdulaziz University | KSA | 2007 |
| MS degree | Statistics | Taif University | KSA | 2019 |
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| 3 | Specialization and Areas of Interest |
|---|---|

| Major Specialization | Statistics |
|---|---|
| Subspecialty | Statistics |
| Research areas of interest | Applied Statistics |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Teaching assistant | Shaqra University | | 2012- up to date |
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## 5 Administrative Work and Committees

| Name of Administrative Work / Committees | Date |
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## 6 Published Scientific Papers in Scholarly Journals

| Title | Publisher | Issue and Date |
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## 7 Teaching Activities

| Courses | | |
|---|---|---|
| English as a Second Language program | University of Regina in Canada. |  |
| Intensive English Language Program | Brock University in Canada |  |
| Evaluate the performance of Faculty Members in Programs. | Shaqra University |  |
| Quality of Student Assessment . | Shaqra University |  |
| Preparation and Recording of Statistical Data and Questionnaires. | Shaqra University |  |

Name. Ohoud Bakri

Signature: *Ohoud*

Date:8-10-2025

## Faculty Member CV

| 1 | Personal Details |
|---|---|

| Name | Raissi Monia |
|---|---|
| Date of Birth | 5-3-1987 |
| Marital Status | married |
| Correspondence Address | College of Science and Humanities – Department of Mathematics - Dawadmi |
| Citizenship | Tunisian |
| Email | m.raisai@su.edu.sa |
| Mobile number | 0556303635 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| PhD | Pure mathematics | faculty of science | Monastir - Tunisia | 2016 |
| Master | mathematics and Applications | Institute of Applied Mathematics and Information Technology | Kairouan - Tunisia | 2011 |
| Bachelor | mathematics | Institute of Applied Mathematics and Information Technology | Kairouan - Tunisia | 2009 |
| | | | | |
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| 3 | Specialization and Areas of Interest |
|---|---|

| Major Specialization | mathematics |
|---|---|
| Subspecialty | spectral theory |
| Research areas of interest | spectral theory |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Assistant Professor | Shaqra university | College of Science and Humanities – Department of Mathematics - afif | 2025-2026 |
| Assistant Professor | Shaqra university | College of Science and Humanities – Department of Mathematics - Dawadmi | 2017-2025 |
| Assistant Professor | Kairouan university | Kairouan | 2014-2017 |
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| 5 | Administrative Work and Committees |
|---|---|

| Name of Administrative Work / Committees | Date |
|---|---|
| Mathematics Department Supervisor | 1446-1439 |
| College Registrar | 1446-1439 |
| Deputy Assistant for Educational Affairs | 1446-1442 |
| Deputy Head of Public Relations and Media Unit | 1441-1439 |
| Deputy Head of Information Technology Unit | 1441-1439 |
| Examination Committee | 1446-1438 |
| Student Dialogue Committee | 1446-1439 |
| Student Excuses Committee | 1446-1439 |

| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Publisher | Issue and Date |
|---|---|---|
| A hybrid deep learning framework for global irradiance prediction using fuzzy C-Means, CNN-WNN, and Informer models | Cleaner Engineering and Technology | Issue 28, August 2025 |
| An Advanced Forecasting Model for Global Irradiance in Solar Electric Vehicles Using a Fuzzy C-Means-CNN-Wavelet BiLSTM Network with an Attention Mechanism | IEEE Access | Issue 14, May 2025 |

| | | |
|---|---|---|
| A Photovoltaic Power Prediction Model for Solar Electric Vehicles Using Convolutional Neural Networks and Masked Multi-Head Attention Mechanism | IEEE Access | Issue 14, May 2025 |
| Smart Health State Diagnosis of Lithium-Ion Batteries Using Wavelet-Enhanced Hybrid Deep Learning with an Attention Mechanism | IEEE Access | Issue 14, May 2025 |
| A Global Irradiance Prediction Model Using Convolutional Neural Networks, Wavelet Neural Networks, and Masked Multi-Head Attention Mechanism | IEEE Access | Issue 13, January 2025 |
| Eigenvalues asymptotics for Stark operators | e-Journal of Analysis and Applied Mathematics | July 2019 |
| A quantum waveguide with Aharonov–Bohm magnetic field | Mathematical Methods in the Applied Sciences | Issue 39, April 2015 |

| 7 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| Differential and Integral Calculus | Linear Algebra | Ordinary Differential Equations |
| Integral Calculation | Special functions | differential geometry |
| Foundations of mathematics | Operations Research | Real analysis |
| Complex analysis | Functional Analysis | Probability Theory |
| Partial differential equations | | |

Name. Raissi Monia

Signature: Raissi Monia

Date: 10-2025

# Faculty Member CV

## 1 Personal Details

| Name | Sharaf Eldean Elobead Ali Bashir |
|---|---|
| Date of Birth | 27-06-1970 |
| Marital Status | married and father |
| Correspondence Address | Shagra University -Faculty of Science and Humanities-Al Dwudmi |
| Citizenship | El Dwuadmi |
| Email | sharafeldeanelobaid@gmail.com |
| Mobile number | 00966503932237 |

## 2 Education

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| Awarding the Doctoral Degree | Applied Statistics | Al-Zaeem Al-Azhari University | Sudan | - 2006 |
| Second Degree-Upper | Applied Statistics and Demography | University of Gezira | Sudan | -1998 |
| Bachelor of Honors in Econometrics-Second Degree | Econometrics and Statistics | - University of Khartoum | Sudan | -1994 |
| | | | | |
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## 3 Specialization and Areas of Interest

| Major Specialization | Applied Statistics |
|---|---|
| Subspecialty | Applied Statistics |
| Research areas of interest | Statistics and Data Mining , Fuzzy Neural net Works Application. |

## 4 Appointments

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Vice Dean | Al-Zaeem Al-Azhari University | Faculty of Computer Science and Information Technology - | 2008 AD |
| Head of the Department of Computer Science | Al-Zaeem Al-Azhari University | - Faculty of Engineering - Al- | 2007 AD - 2008 AD. |

| | | | |
|---|---|---|---|
| and Information Technology | | Zaeem Al-Azhari University | |
| Lecturer | Al-Zaeem Al-Azhari University | faculties of engineering - agriculture - public health - medicine - medical laboratory sciences | 1999-2007 |
| Lecturer & Head of the Department of Computer Science | Al-Zaeem Al-Azhari University | Faculty of | 1999-2007 |
| Collaborating Lecturer | University of Khartoum | -College of Education - Department of Mathematics - | 1999-2001 |
| Collaborating Lecturer - | Sudan University College for Girls - | Accounting department | 2001-2003 |
| MT | - Faculty of Commerce and Business Administration - | Nile Valley University - | 1994-1997 |
| Teaching statistics courses in the master's program in statistics - Omdurman Islamic University. | | | |

## 5 Administrative Work and Committees

| Name of Administrative Work / Committees | Date |
|---|---|
| • Dean of Faculty of Computer Science and Information Technology - Al-Zaeem Al-Azhari University-Sudan | 2007-2008 |
| • Statistics Officer and Coordinator in the Quality Unit at the College of Science and Humanities in Al-Daw admi. Shagra University | 2014-2024 |
| • Head of the Department of Computer Science and Information Technology- Al-Zaeem Al-Azhari University-Sudan. | 2006-2007 |
| • Head of the Department of Computer Science. Faculty of Education- Al-Zaeem Al-Azhari University-Sudan. | 2000-2006 |
| • Participation in a number of workshops and conferences on information technology in a number of Sudanese universities | |
| • Member of the Higher Committee for Population and Housing Census - Omdurman Governorate, 2003. | |

| | 2008-2012 |
|---|---|
| • Member of the Advisory Board for the Arbitration of the Journal of the Faculty of Statistical Scientific Economics - Omdurman Islamic University since 2009. | 2008-2012 |
| • External debater for master's and doctoral theses - Omdurman Islamic University - Nile Valley. | 2008-2020 |
| • Supervisor of a number of Master's and Doctoral theses - Al-Zaeem Al-Azhari University and Nile Valley University. | 2009-2018 |

| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Publisher | Issue and Date |
|---|---|---|
| 1- Improved prediction of stock market trends in Saudi Arabia by combining artificial neural networks and fuzzy logic techniques, | Transylvanian Review<br><br>https://transylvanianreviewjournal.com<br><br>/index.php/TR/article/view/1067 | 1- Vol:32 No.2/24. |
| 2- Using Fuzzy Time Series Forcasting And Gaussian Mixture Model To Classify And Predict new cases of COVID-19 IN Saudi Arabia, | Thermal Science:<br><br>https://doi.org/10.2298/TSCI22S1261A | Year 2022, Vol. 26, Special Issue 1, pp. S261-S270. |
| 3- Estimating Stock Returns Volatility of Khartoum Stock Exchange through GARCH Models | J Am Sci<br>http://www.jofamericanscience.org | 2013;9(11):132-144]. (ISSN: 1545-1003). 19<br><br>. |
| 4- Application of Principal Component | *Nat Sci* http://www.sciencepub.net/nature. 9 | 2014;12(3):66-72]. (ISSN: 1545-0740). |

| | | | |
|---|---|---|---|
| | Analysis to Investigate the Proliferation of Armed Movements and Insurgencies in Recent Time in Sudan. | | |
| 5- | Application of Principal Component Method and k-means clustering algorithm for Khartoum stock Market. | *Nat Sci* http://www.sciencepub.net/nature. 9 | *Nat Sci* 2013;11(7):41-44]. (ISSN: 1545-0740). |
| 6- | Measuring the medical educational environment at Alzaiem Alazhari University of Khartoum Medical Journal, Faculty of Medicine, Medical Journal | University of Khartoum Medical Journal, Faculty of Medicine, Medical Journal. <br><br> http://ejournals.uofk.edu/index.php/Medical_Journal | ,2009, PO Box 102, Khartoum, 11111 Sudan |
| 7- | A Statistical Model for Predicting the Weekly Malaria Incidence Among Children Under the Age of Fifteen Among Visitors (River Nile State, Sudan | Al-Zaeem Al-Azhari University Journal, Sudan. | 2013. |

| 7 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| Teach these courses in faculties of Engineering - Agriculture - Public health - Medicine - Medical laboratory sciences and most other University | | |
| Discrete mathematics, calculation (1) & (2), basic mathematics and numerical analysis - | Linear Algebra - Basic Mathematics - Econometrics - Operations Research | Introduction to Statistics |
| Time series | Advanced statistics | Probability courses |
| | | |
| | | |

Name. Sharaf Eldean Elobaed Ali Bashir

Signature:

Date:18-03-2025

**Kingdom of Saudi Arabia**
**Ministry of Education**
**Shaqra University – College of Science and Humanities – Department of Mathematics**

# Faculty Member CV

## 1   Personal Details

| Name | Tarek NABHANI |
|---|---|
| Date of Birth | 20-07-1980 |
| Marital Status | Married |
| Correspondence Address | Faculty of Science and Humanities, Shaqra University, AlDawadmi, Saudi Arabia |
| Citizenship | Algerian |
| Email | tnabhani@su.edu.sa |
| Mobile number | 053-779-1723 |

## 2   Education

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| Phd | With honors | Provence University | France | 2011 |
| MSc | Good | The Mediterranean University | France | 2006 |
| BSc | Excellent | Damascus University | Syrie | 2001 |

## 3   Specialization and Areas of Interest

| Major Specialization | Discrete Mathematics |
|---|---|
| Subspecialty | Discrete Mathematics |
| Research areas of interest | Logic – graphs – SAT problems |

## 4   Appointments

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Assistant Professor | Shaqra University | Shaqra University | 2012 - Now |
| Lecturer | Faculty of Science | Damascus University, Syria | 2002 - 2005 |

| 5 | Administrative Work and Committees |
|---|---|

| Name of Administrative Work / Committees | Date |
|---|---|
| Assistant College Council Rapporteur | 2020 - now |
| E-Learning Unit Coordinator, College of Science and Arts Sajir, Shaqra Univ. | 2019 - 2020 |
| Consultant, Institute of Studies and Consulting Services, Shaqra Univ. | 2019-2020 |
| Consultant, Deanship of Admission and Registration, Shaqra Univ. | 2015-2017 |
| Member, Academic Guidance Unit, College of Science and Arts Sajir, Shaqra Univ. | 2018 - 2020 |

| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Publisher | Issue and Date |
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| 7 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| Fundamentals of Mathematics | Probability | Linear algebra |
| Calculus | Numerical analysis | Number theory |
| Foundations of Mathematics | Statistical methods | Special Functions |
| Real analysis | Differential and Integral Calculus | Operation research |
| Statistics | Principles of financial mathematics | Graph theory |
| Partial differential equations | Ordinary differential equations | Quantitative methods |
| Measure theory | Topology | Complex analysis |

Name.

Signature:

Date:

## Faculty Member CV

| 1 | Personal Details |
|---|---|

| | |
|---|---|
| Name | Fatemah Odiman Mohammed AlQhteny |
| Date of Birth | 4/5/1985 |
| Marital Status | Single |
| Correspondence Address | Shaqra University-College of Science and Humanities-Al-Dawadmi |
| Citizenship | Saudi |
| Email | F3alqhtani@su.edu.sa |
| Mobile number | 0552008107 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| bachelor's degree | Mathematics | College of Education in Muzahimiyya | Saudi Arabia | 19/7/2008 |

| 3 | Specialization and Areas of Interest |
|---|---|

| | |
|---|---|
| Major Specialization | Mathematics |
| Subspecialty | Mathematics |
| Research areas of interest | |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Demonstrator | College of Education in Muzahimiyya | Muzahmiyya-Saudi | 2010 |

| 5 | Administrative Work and Committees |
|---|---|

| Name of Administrative Work / Committees | Date |
|---|---|
| Member of the Academic Advising Committee | 1434 |
| Member of the Field Training Committee | 1433 |
| Head of the Statistics Unit | 1440-1446 |
| Member of the Examinations Committee | 1434-1442 |

| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Publisher | Issue and Date |
|---|---|---|
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| 7 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| Basics of Mathematics/principles of Mathematics | Theory Probability 1 | Principles of Quantitative Methods |
| Fundamentals of Mathematics | Theory Probability 2 | Statistical Methods |

Name. Fatemah Odiman Mohammed AlQhteny

Signature:fatemah

# Faculty Member CV

| 1 | Personal Details |
|---|---|

| Name | Ismail Laraiedh |
|---|---|
| Date of Birth | 10-05-1984 |
| Marital Status | Married |
| Correspondence Address | Departement of Mathematics, College of Sciences and Humanities Dawadmi, Shaqra University, Saudi Arabia. |
| Citizenship | Tunisian |
| Email | Ismail.laraiedh@su.edu.sa |
| Mobile number | +966592383672 |

| 2 | Education |
|---|---|

| Degree | Major | Institution | Country | Date |
|---|---|---|---|---|
| Ph.D | Mathematics | University of Sfax | Tunisia | 22/12/2014 |
| Master | Mathematics | University of Sfax | Tunisia | 2/7/2011 |
| Bachelor | Mathematics | University of Sfax | Tunisia | 15/06/2009 |

| 3 | Specialization and Areas of Interest |
|---|---|

| Major Specialization | Algebra |
|---|---|
| Subspecialty | Non-associative and non-commutative algebraic structures |
| Research areas of interest | Lie superalgebras, their cohomology, invariant differential operators, and algebraic structures |

| 4 | Appointments |
|---|---|

| Work Title | Employer | Work Address | Date |
|---|---|---|---|
| Lecturer | Preparatory Institute for Engineering Studies of Gabes, University of Gabes, Tunisia. | Street Omar El-Khattab. Preparatory Institute for Engineering Studies of Gabes, 6072 Gabes | 2011-2014 |
| Assistant Professor | Preparatory Institute for Engineering Studies of Gabes, University of Gabes, Tunisia. | Street Omar El-Khattab. Preparatory Institute for Engineering Studies of Gabes, 6072 Gabes | 2015-2017 |
| Assistant Professor | College of Sc. and Hum. Al Quwaiiyah, Shaqra Univers, Saudi Arabia. | Departement of Mathematics, College of Sciences and Humanities Al Quwaiiyah, Shaqra University, Saudi Arabia | 2017-2024 |

| | | | |
|---|---|---|---|
| Assistant Professor | College of Sc. and Hum. Dawadmi, Shaqra Univers, Saudi Arabia. | Departement of Mathematics, College of Sciences and Humanities Dawadmi, Shaqra University, Saudi Arabia | 2024-2025 |

| 5 | Administrative Work and Committees |
|---|---|

| Name of Administrative Work / Committees | Date |
|---|---|
| | |
| Head of the Scientific Research Committee at the Department of Mathematics at Shaqra University | 2017 |
| Member of the Student Activities and Media Committee at the Department of Mathematics at Shaqra University | 2017 |
| Member of the College Statistics Committee at the Department of Mathematics at Shaqra University | 2018 |
| Member of the Course Equivalency Committee at The Department of Mathematics at Shaqra University | 2019 |

| 6 | Published Scientific Papers in Scholarly Journals |
|---|---|

| Title | Publisher | Issue and Date |
|---|---|---|
| Laraiedh, I., Silvestrov, S.: Averaging operators on q-deformed Witt and q-deformed W(2, 2) algebras, | Communications in algebra. | (53) 2025 |
| Laraiedh, I.: Differential mock-Lie bialgebras and admissible mock-Lie Yang-Baxter equations | Journal of Geometry and Physics | (198) (2024) |
| Laraiedh, I.: Rota-Baxter mock-Lie bialgebras and related structures | International Journal of Geometric Methods in Modern Physics | (20) (2024) |
| Bakayoko, I., Laraiedh, I.: Constructions and generalized derivations of multiplicative n-Bihom-Lie color algebras | Communications in alge-bra | (51) (2023) |
| Laraiedh, I., Silvestrov, S.: Hom-Leibniz bialgebras and BiHom-Leibniz dendriform algebras | Afrika Matematika | (34) (2023) |
| Laraiedh, I., Silvestrov, S.: Constructions of BiHom-X algebras and bimodules of some BiHom-dialgebras | Algebra and Discrete Mathematics | (34) (2022) |
| Laraiedh, I.: Bimodules and matched pairs of noncommutative BiHom-(pre)-Poisson algebras | Hacettepe Journal of Mathematics and Statistics | (52) (2022) |
| Laraiedh, I.: Constructions and T $*$-Extensions of 3- Bihom-Lie superalgebras | Advances in Applied Clifford Algebras | (31) (2021) |
| Khalfoun, H., Laraiedh, I.: (2020). The linear $n(1|N)$–invariant differential operators and $n(1|N)$-relative cohomology | Comptes Rendus Mathématique | (358) (2020). |
| Laraiedh, I.: The af f (2|1) trivial deformations of af f (1|1)-modules of weight densities on the superspace R1|2 | Extracta Mathematicae | 34, (2019) |
| Ben Fraj, N., Abdaoui, M., Laraiedh, I.: Cohomology of af f (2) acting on some modules and deformations | , International Journal of Geometric Methods in Modern Physics | (14) (2017). |

| | | |
|---|---|---|
| Ben Fraj, N., Laraiedh, I.: The affine cohomology spaces and its applications | International Journal of Geometric Methods in Modern Physics | (13) (2016) |
| Abdaoui, M., Khalfoun, H., Laraiedh, I.: Deformation of modules of weighted densities on the superspace R1|2 | Acta Mathematica Hungarica | (145) (2015) |
| Basdouri, I., Laraiedh, I.: The linear osp(n|2)-invariant differential operators and cohomology | Beitraage zur Algebra und Geometrie | (55) (2014) |
| Basdouri, I., Laraiedh, I., Ncib, O.: The linear af f (n|1)-invariant differential operators on weighted densities on the superspace R1|n and af f (n|1)-relative cohomology | International Journal of Geometric Methods in Modern Physics | (10) (2013) |
| Ben Fraj, N., Laraiedh, I., Omri, S.: Supertransvectants, cohomology, and deformations | Journal of Mathematical Physics | (54) (2013) |

| 6 | Published Scientific Chapter in Book |
|---|---|

| Title | Publisher | Issue and Date |
|---|---|---|
| 1. Laraiedh, I., Silvestrov, S.: Admissible Hom-Novikov-Poisson and Hom-Gelfand-Dorfman Color Hom-Algebras, | Non-commutative and Non-associative Algebra and Analysis Structures, Springer | Proceedings in Mathematics and Statistics book series 426, 613-659 |
| Bakayoko, I., Laraiedh, I.: Ternary Leibniz Color Algebras and Beyond | , Algebra without Borders – Classical and Constructive Nonassociative Algebraic Structures, Springer | (198) (2024) Proceedings in Mathematics and Statistics book series 79, 189-236 (2023). |

| 7 | Teaching Activities |
|---|---|

| Courses | | |
|---|---|---|
| Linear Algebras | Rings and fields | Real analysis |
| Calculus I | Differential geometry | Vector analysis |
| Calculus II | Differential equations | Topology |
| Group Theory | Foundations of Mathematics | Complex analysis |

Name. Ismail Laraiedh

Signature: Ismail Laraiedh

Date: 07/04/2025