BADR SAAD ALHAJHOUJ

P.O.Box 2455 , Riyadh , Riyadh 11451 | (Tel.) 0114676520 | badralhajhouj@gmail.com

Professional Summary

Skills

* Good experience in using the Windows operator.
* Good experience in using Linux operator.
* Good experience in using mathematics MATLAB, FORTRAN, Maple & MATHEMATICA.
* Research strategic plan and management
* Excellent level In English (reading, listning, writing and speaking).
* Graduate advising
* Conference presentation software
* Curriculum development
* Team leadership
* Strong verbal communication

Work History

*** Reader In Riyadh's College Of Education** - 2006 - 2006
Ministry Of Education

*** Academic Administration Affair** - **Riyadh's College Of Education** 2006 - 2006
Ministry Of Education

*** Assistant Professor** - 2013 - 2017
King Saud University

*** Associate Professor** - 2017 - now
King Saud University

*** Rapporteur Of Readers Committee**

King Saud University

*** Rapporteur Of Scholarships Committee** -
King Saud University

*** Applied Mathematics Committee Member** -
King Saud University

*** Member Of Attracting Distinguished To Be Faculty Members** -
King Saud University

*** Member In Siam Association For Applied Mathematics** -
Siam

*** Member in Saudi Association For Mathematics.**

*** Head of Mathematics Department In King Saud University** - 2016 - 2018
King Saud University.

*** Researchers support & services unit** – 2018 - now
King Saud University

***Vice dean of scientific research Deanship** – 2019 - now
King Saud University

Education

PhD: Applied Mathematics 2013
University Of Manchester – The United Kingdom -

Master degree: Mathematical and Computational Science 2009
University Of Manchester - 2002

Bachelor degree: Mathematics -
college of teachers.

Personal Information

•, Date of birth: 16-05-1980 •Place of birth: Quwai'eiah

attended conferences

- How to write and publish academic paper – University of Manchester.
- Effective presentation – University of Manchester.
- Parallel computing (Introduction to Message Passing Interface) University of Manchester.
- Leadership in Action - University of Manchester.
- Social enterprise innovative researcher - University of Manchester.

- International Workshop on Numerical Methods and Emerging Computational Challenges in Mathematical Biology. (UK –Dundee 2014).
- Manchester SIAM conference 26-10-2010.
- Mathematics research conference 28-09-2012.
- 3rd Annual International Conference on Computational Mathematics, Computational Geometry & Statistics (Singapore, CMCGS 2014).
- 13th Copper Mountain Conference on Iterative Methods, USA 2014.
- 5th International Conference on Porous Media and Their Applications in Science, Engineering and Industry, (Hawaii 2014).
- 10th differential equations and computational simulations conference, USA 2014.
- Mathematics in signal process conference, UK 2014.
- Computational science and engineering conference, USA 2015.
- Siam international conference on data mining conference, USA 2015.
- Siam international conference in symmetry, USA,2016.
- Workshop on Multiphysics, Multiscale, and Coupled Problems in Subsurface Physics. USA 2017.

Teaching

I have taught some Bachelor courses which are follow

- Linear algebra
- Numerical analysis
- Statistic 1
- Statistic 2
- Differential equations– University of Manchester.
- Abstract Algebra.
- Differential equations.
- Topology
- Bachelor research project.
- Calculus 1.
- Calculus 2.
- Calculus 3.
- Numerical Analysis for Master degree.
- Mathematical methods.
- Linear programming.
- Research projects supervision for Bachelor and Master degree students.

Publications

* tens of articles are reviewed in high ranked Journals.

(Published in ISI Journals)

1•Extensions of some generalized conditions for starlikeness and convexity By: Goswami, Pranay; Bulboaca, Teodor; Alkahtani, Badr S. JOURNAL OF INEQUALITIES AND APPLICATIONS Article Number: 431 Published: OCT 31 2014.

2 •Analytical Solution of Space-Time Fractional Fokker-Planck Equation by Homotopy Perturbation Sumudu Transform Method By: Dubey, Ravi Shanker; Alkahtani, Badr Saad T.; Atangana, Abdon MATHEMATICAL PROBLEMS IN ENGINEERING Article Number: 780929 Published: 2014.

3•On the Solution of Generalized Space Time Fractional Telegraph Equation By: Alkahtani, Badr S.; Gulati, Vartika; Goswami, Pranay MATHEMATICAL PROBLEMS IN ENGINEERING Pages: 61073-61073 Published: 2015.

4 •Analysis of the Keller-Segel Model with a Fractional Derivative without Singular Kernel By: Atangana, Abdon; Alkahtani, Badr Saad T. ENTROPY Volume: 17 Issue: 6 Pages: 4439-4453 Published: JUN 2015.

5•Extension of the resistance, inductance, capacitance electrical circuit to fractional derivative without singular kernel By: Atangana, Abdon; Alkahtani, Badr Saad T. ADVANCES IN MECHANICAL ENGINEERING Volume: 7 Issue: 6 Pages: NIL_223- NIL_228 Published: JUN 2015.

6. Subclasses of janowski-type functions defined by cho-kwon-srivastava operator, By: Saima Mustafa, Teodor Bulboaca, Badr S Alkahtani, Journal Of Computational Analysis And Applications, Volume: 21, Issue :5, Pages:920-933 Published 2016.
7. Chua's circuit model with Atangana–Baleanu derivative with fractional order By: Badr S Alkahtani Chaos, Solitons & Fractals Volume: 89, Pages: 547-551. Published 2016.
8. Analysis of non-homogeneous heat model with new trend of derivative with fractional order By: BST Alkahtani, A Atangana Chaos, Solitons & Fractals Volume 89,Pages: 566-571, Published 2016
9. Controlling the wave movement on the surface of shallow water with the Caputo–Fabrizio derivative with fractional order By: BST Alkahtani, A Atangana Chaos, Solitons & Fractals Volume 89,Pages: 566-571, Published 2016.
10. Subclasses of Analytic Functions Defined by Generalized Hypergeometric Functions By BS Alkahtani, S Mustafa, T Bulboacă Journal of Function Spaces, Volume 2016, Article ID 7390410, 6 pages Published 2016.
11. Adomian decomposition method for n-dimensional diffusion model in fractal heat transfer By Badr Saad T Alkahtani ,Pranay Goswami, Obaid J Algahtani Journal of Nonlinear Science and Applications, Volume 9, Issue 5 , Pages: 2982–2985, Published 2016.
12. New model of groundwater flowing within a confine aquifer: application of Caputo-Fabrizio derivative By Abdon Atangana and Badr Saad T Alkahtani Arabian Journal of Geosciences, Volume 9, Issue 1, Pages: 16, Published 2016.

13. MHD Boundary Layer Flow Over a Nonlinear Stretching Sheet in a Nanofluid with Convective Boundary Condition By B S T Alkahtani, MS Abel Journal of Computational and Theoretical Nanoscience 12 (12),Pages 6020-6027 Published 2015.
14. Magnetohydrodynamic Steady Boundary Layer Stagnation Point of Nanofluid Flow with Heat and Mass Transfer Over a Stretching Sheet with Full Slip Effects By B S T Alkahtani, MS Abel, EH Aly Journal of Computational and Theoretical Nanoscience 12 (12), Pages 5379-5385 Published 2015.
15. Analysis of fluid motion and heat transport on magnetohydrodynamic boundary layer past a vertical power law stretching sheet with hydrodynamic and thermal slip effects By B S T Alkahtani, MS Abel, EH Aly AIP Advances 5 (12), 127228 Published 2015.
16. On the Solution of Generalized Space Time Fractional Telegraph Equation By BS T Alkahtani, V Gulati, P Goswami Mathematical Problems in Engineering Volume 2015, Article ID 861073, 7 pages Published 2015
17. Analytical Solution of Space-Time Fractional Fokker-Planck Equation by Homotopy Perturbation Sumudu Transform Method RS Dubey, BST Alkahtani, A Atangana Mathematical Problems in Engineering Volume 2015 (2015), Article ID 780929, 7 pages Published 2015.
18. Analysis of the Keller–Segel model with a fractional derivative without singular kernel A Atangana, BST Alkahtani Entropy Volume 17 Issue 6, pages 4439-4453 Published 2015.
19. Extension of the resistance, inductance, capacitance electrical circuit to fractional derivative without singular kernel A Atangana, BST Alkahtani Advances in Mechanical Engineering Volume 7 Issue 6, 1687814015591937 Published 2015.
20. Extensions of some generalized conditions for starlikeness and convexity P Goswami, T Bulboacă, BS Alkahtani Journal of Inequalities and Applications Volume 2014 Issue 1, Pages 1-13 Published 2014.
21. Numerical analysis for the Klein-Gordon equation with mass parameter BST Alkahtani, A Atangana, I Koca Advances in Difference Equations 2017 (1), 291 2017.
22. Analysis of a new model of H1N1 spread: Model obtained via Mittag-Leffler function BST Alkahtani, I Koca, A Atangana Advances in Mechanical Engineering 9 (8), 1687814017705566.
23. Numerical analysis of dissipative system with noise model with the Atangana–Baleanu fractional derivative. BST Alkahtani

Chaos, Solitons & Fractals, (2018) 116, 239-248

24. Atangana-Batogna numerical scheme applied on a linear and non-linear fractional differential equation BST Alkahtani

The European Physical Journal Plus, (2018) 133 (3), 111

25. Fixed Point Results on -Symmetric Quasi-Metric Space via Simulation Function with an Application to Ulam Stability

By: Alqahtani, Badr; Fulga, Andreea; Karapinar, Erdal

Mathematics (2018), Volume: 6 Issue: 10

26. A new numerical scheme applied on re-visited nonlinear model of predator-prey based on derivative with non-local and non-singular kernel.

BST Alkahtani, I Koca

Discrete & Continuous Dynamical System-S, 2019, 337-341