CURRICULUM VITAE

PERSONAL DATA

Name	Dr. Nadiyah Hussain Alharthi
Nationality	Saudi Arabia
Position	Assistant Professor, Department of Mathematics and statistic, college of science Imam Mohammad Ibn Saud Islamic University, Riyadh, Kingdom of Saudi Arabia.
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EDUCATION

Year	Academic Degree	Institution
Dec 2013	• Ph.D. in Applied Mathematic (Differential Equations).	Florida Institute of Technology, USA
May 2011	• Master of Science degree in applied Mathematics.	Florida Institute of Technology, USA
2002	•Bachelor of Science Mathematics and Physics Science with Education Diploma.	Umm Al-Qura University, Taif, KSA
2009	•Intensive English Program.	Florida, USA ELS Language Center 2009

WORK EXPERIENCE

Period	Position	Address
2015 until now	• Assistant professor.	Imam Mohammad Ibn Saud Islamic University
2019-2020	• Vice Dean for Quality and Development for the College of Science.	Imam Mohammad Ibn Saud Islamic University
2017,2018 , until now	• Member of The Quality and Accreditation Committee of Math department.	Imam Mohammad Ibn Saud Islamic University

2018-2019	Head of the Monitoring Committee for the final grades in the Mathematics Department the first and second semesters of the year.	Imam Mohammad Ibn Saud Islamic University
2015, 2016	Coordinator of Graduate Researches Projects .	Imam Mohammad Ibn Saud Islamic University
2016, 2017	Member of the Audit Committee .	Imam Mohammad Ibn Saud Islamic University
2018-2019	Member of the study plans for the second semester .	Imam Mohammad Ibn Saud Islamic University
2018-2019	Member of the Teaching Assistants and Lecturers Committee for the second semester of the year .	Imam Mohammad Ibn Saud Islamic University
2018-2019	Member of the Distinguished Female Students Committee for the second semester of the year .	Imam Mohammad Ibn Saud Islamic University
2004-2008	• High School Teacher, Taif, Saudi Arabia .	High School , Taif, Saudi Arabia .

RESEARCH INTERESTS

differential equations.

Fractional Calculus.

Mathematical Modeling.

Numerical analysis of some partial differential equations with fractalfractional.

Fractal-Fractional differential operators**.**

Fluid Dynamic.

PUBLICATIONS

• Significance of Chemical Reaction and Lorentz Force on Third-Grade Fluid Flow and Heat Transfer with Darcy–Forchheimer Law over an Inclined Exponentially Stretching Sheet Embedded in a Porous Medium.
Symmetry Journal, 2022,14(4),779.

• Convective Heat and Mass Transfer in Third-Grade Fluid with Darcy–Forchheimer Relation in the Presence of Thermal-Diffusion and Diffusion-Thermo Effects over an Exponentially Inclined Stretching Sheet Surrounded by a Porous Medium: A CFD Study.
Processes Journal,2022,10(4),776.

• Darcy–Forchheimer Relation Influence on MHD Dissipative Third-Grade Fluid Flow and Heat Transfer in Porous Medium with Joule Heating Effects: A Numerical Approach.
Processes Journal,2022,10(5),906.

• Magnetohydrodynamic Effects on Third-Grade Fluid Flow and Heat Transfer with Darcy–Forchheimer Law over an Inclined Exponentially Stretching Sheet Embedded in a Porous Medium.Magnetochemistry Journal,2022,8(6),61.

• Qualitative Analyses of Fractional Integrodifferential Equations with a Variable Order under the Mittag-Leffler Power Law.Journal of Function Spaces,2022,Article ID 6387351, https://doi.org/10.1155/2022/6387351.

• Mountain pass solution for the weighted Dirichlet (p(z), q(z))-problem.
Boundary value Problem Journal, 2022(1),1-15.

• Gradient and Parameter Dependent Dirichlet (p(x), q(x))-Laplace Type Problem.
Mathematics Journal, 2022, 10, 1336.

• Existence and Uniqueness of Mild Solution Where $\alpha \in (1, 2)$ for Fuzzy Fractional Evolution Equations with Uncertainty.
Fractal Fract Journal,2022, 6(2),65.

•A generalized fractional order model for COV-2 with vaccination effect using real data.
Fractals, 2023/2/2.

•Analysis of Cauchy problem with fractal-fractional differential operators.
Demonstratio Mathematica, 56 (1), 20220181.

•ANALYSIS OF PIECEWISE COVID-19 MODEL WITH ASYMPTOMATIC AND SYMPTOMATIC POPULATIONS WITH WANING IMMUNITY UNDER SINGULAR AND NONSINGULAR KERNELS.
Fractals, 2022/9/16

•A DETAILED ANALYSIS OF COVID-19 MODEL WITH THE PIECEWISE SINGULAR AND NON-SINGULAR KERNELS.
Advances and Applications in Statistics, 2022/6/27, P-ISSN: 0972-3617

• Numerical analysis of some partial differential equations with fractalfractional derivative.
AIMS Mathematics, 8 (1), 2240-2256