



د. شميلة نورين

أستاذ مساعد

العلوم الرياضية والفيزيائية – شعبة الرياضيات

كلية العلوم والآداب

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موقع المكتب: 11G34

يعمل في الجامعة: منذ 2023

الحالة الاجتماعية: Married.....

[Dr- Shumaila Noreen UoN CV.pdf](#)

المؤهلات الأكاديمية

PhD, Massey university, New Zealand, 2021. Mathematical modelling of the cardiovascular system to study the effects of respiratory sinus arrhythmia and heart failure

M.Phil, Quaid-e-Azam University, Islamabad (Pakistan), 2007, Heat transfer analysis of the steady flow of a fourth grade fluid

M.Sc. Quaid-e-Azam University, Islamabad (Pakistan), 2005

B.Sc , University of Punjab (Pakistan), 2003

F.Sc, Sargodha board (Pakistan), 2001

أنشطة التدريس

I am currently working as an assistant professor of mathematics at the University of Nizwa in Oman in February 2023. Teaching both undergraduate and graduate students in a range of courses, including Linear Algebra I, Linear Algebra II, Ordinary Differential Equations, Foundations of Mathematics, Calculus I, Pre-Calculus, and Mathematical Modelling II, is one of my current responsibilities., 2 years

I was employed at Kinnaird College for Women in Lahore from August 2022 to February 2023 as

an Assistant Professor of mathematics. The subjects I taught were Functional Analysis, Calculus, Core Mathematics, and Mathematical Statistics., 7 months

I worked as an assistant professor of mathematics at COMSATS University Islamabad (Lahore Campus) from August 2021 to August 2022. Calculus, Analytical Geometry, and Numerical Computation with MATLAB were the courses I taught., 1 year

I was an Assistant Professor Mathematics at the University of Engineering and Technology (U.E.T.) Lahore (Faisalabad Campus), from 2008 to 2017. The following courses are among those I have taught: Multiple times in Applied Mathematics, Calculus, Vector Algebra and Complex Analysis, Linear algebra, Numerical Analysis with C++, Numerical Methods, Numerical Analysis with MATLAB, Calculus and Analytical Geometry, Functional Analysis, Mathematical Statistics, and Applied Mathematics., 9 years

الأنشطة البحثية

الاهتمامات البحثية -

Mathematical Modelling of Cardiovascular System (Bio- Mathematics), Numerical Analysis, Differential Equations, Fluid Mechanics and Dynamical System, Graph Theory

العرض في المؤتمرات -

Poster presentation, Forum for Mathematics for Industry (FMFI)`` in November 2019., 12/10/2020

Mathematical modelling of the cardiovascular system, SNCS Postgraduate Conference, New Zealand, 12/10/2019

Poster presentation, ICIAM (The International Council for Industrial and Applied Mathematics)`` , Spain, 15/07/2019

Poster presentation, INMS Post-Graduate Students Conference, New Zealand, 17/11/2018

Heat transfer analysis of a fourth grade fluid, International Conference on Recent Developments in Fluid Mechanics, Pakistan, 02/07/2007

المنشورات -

مقال:

Estimation of Oman's future population using Mathematical models and Machine Learning 2025 .1 approach

A Traffic Plan To Lessen The SMOG Season Air Pollution in Lahore, Pakistan, 2024 .2
<https://doi.org/10.54938/ijemdss.2023.02.2.224>

[Mathematical modelling of atrial and ventricular pressure-volume dynamics and their change with heart rate](#) . 2022 .3

[Mathematical modelling of the cardiovascular system to study the effects of respiratory sinus arrhythmia and heart failure](#) 2021 .4

[Steady flow of a fourth grade fluid in a porous medium](#) 2010 .5

[Heat transfer analysis of the steady flow of a fourth grade fluid](#) 2008 .6

(GRADUTE STUDIES AND RESEARCH COMMITTEE (member :01/12/2024

(eLearning committee (member :01/11/2024

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المرجع: <https://www.unizwa.edu.om/staff/cas/shumaila>