

د. شميلاء نورين

أستاذ مساعد

العلوم الرياضية والفيزيائية ـ شعبة الرياضيات

كلية العلوم والآداب

جامعة نزوى، سلطنة عمان

هاتف: 758(968+)

محول: 758

البريد الإلكتروني: shumaila@unizwa.edu.om

موقع المكتب: 11G34

يعمل في الجامعة: منذ 2023

الحالة الاجتماعية: Married.....

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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 MAT-LAB, Calculus and Analytical Geometry, Functional Analysis, Mathematical Statistics, and Applied Mathematics.، 9 years

الأنشطة البحثية

الاهتمامات البحثية ـ

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

العرض في المؤتمرات ـ

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 ـ

مقال:

1. Estimation of Oman’s future population using Mathematical models and Machine Learning approach 2025
2. A Traffic Plan To Lessen The SMOG Season Air Pollution in Lahore, Pakistan، 2024 https://doi.org/10.54938/ijemdss.2023.02.2.224
3. Mathematical modelling of atrial and ventricular pressure-volume dynamics and their . change with heart rate 2022
4. Mathematical modelling of the cardiovascular system to study the effects of respiratory“ sinus arrhythmia and heart failure 2021
5. Steady flow of a fourth grade fluid in a porous medium 2010
6. Heat transfer analysis of the steady flow of a fourth grade fluid 2008

خدمة المجتمع

(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