Curriculum Vitae

Full Name: Dr. Kamran Zakaria

Contact Number: 00923333017545.

Address: Mathematics Department, NED University Karachi.

Position/Title: Assistant Professor(Mathematics Department)

Institution: NED University of Engineering and Technology, Karachi

Professional Training/Education:

Ph.D.*(Mathematical Sciences) [from Federal Govt., Urdu University of Arts, Science & Technology , Karachi, Year 2015].*

> TOPIC OF Ph. D. RESEARCH : Investigation of Spectral Expansions connected With Schrödinger's Operator

Masters in Industrial and Business Mathematics from Karachi University, 1998

Certificate Course on the topic "Stochastic Calculus" have been done from IBA (Institute of Business Administration, Sukkur) completed in Winter School Workshop, December , 2018.

Diploma in Computer Science from Petroman Institute of computer science, 1991-1992

B.Sc. in Mathametics from Karachi University,1994.

Professional Trainings:
- Certificate Course in – "Matlab " from Centre of Contuing Education, NED,2018
- ISO TRAINING WORKSHOP on the Topic: "Effective Teaching Skills"; Training ISO held on 17th to 19th September, 2008 – Dr. SajidaZaki, AssociateProfessor was the respective Presenter.

Chronological List of Positions:

- **Assistant Professor – Mathematics**, in the department of Mathematics, NED University of Engineering and Technology – Karachi, since 2015 upto date.
- **Lecturer – Mathematics**, in the department of Mathematics, NED University of Engineering and Technology – Karachi, since 2008 to 2015
- **Senior Instructor/Lecturer – Mathematics**, in the department of Mathematics, Sir Syed University of Engineering and Technology – Karachi, since 2006 to 2007.
- Lecturer - Mathematics, in the department of Mathematics, MidAsia Institute of Information Technology, 2002 to 2005.
- O level teacher - Matematices/Additional Matematices, AishaBawany Acedemy of O\Leval. 2000-2001.
- Computer programmer/operator, Head Office Ahmed Textile Mills, Karachi Cant, 1994-1996.
- Computer programmer/operator, Computer Department, KESC. Karachi 1998-1999.

Research Publications

1. NATURAL TRANSFORM ADOMIAN DECOMPOSITION METHOD(NTADM) FOR EVALUATION OF TWO DIMENIONAL SCHRÖDINGER BLACK SCHLOES TIME FRACTIONAL ORDERED PDE, AN APPLICATION TO FINANCIAL MODELLING; paper accepted in Conference on Mathematics and Applications in Science and Engineering.ICMASE-2020. At: Ankara Haci Bayram Veli University.
2. Regionalization of Precipitation Zones by GWPS with respect to climatic variables; paper accepted in International E-Conference on Mathematical Advances and Applications.At: Yildiz University, Istanbul, Turkey
3. Samudu Transform method for evaluation of modified time fractional partial differential equation, an application to financial modeling with Islamic perspective , paper accepted in International E-Conference on Mathematical Advances and Applications.At: Yildiz University, Istanbul, Turkey.
4. Options Pricing for Two Stocks by Black – Sholes Time Fractional Order Non – Linear Partial Differential Equation,paper accepted in 3rd International Conference on Computing, Mathematics and Engineering Technologies - iCoMET 2020.At: IBA Sukkur , Pakistan
5. Numerical solution for Option Pricing including two stocks by time-fractional Black Shocles Equation; paper published in International Journal of Scientific & Engineering Research , April 2020 ,Volume 11(4).
6. Time-frequency analysis of eeg data to distinguish different mental states by using global wavelet spectrum ; paper published in Sigma journal of Engineering and Natural Sciences volume 10 (3), Oct-2019, 265-264
7. EEG data analysis by WPS and GWS ; paper published in International Journal of Scientific & Engineering Research , Volume 10, Issue 3, March-2019 1058-1060.
8. Identification of precipitation zones within Indus River basin (Pakistan) By Global wavelet power spectra; paper published in Journal of Innovative Sciences, Volume 4, Issue 2, Dec 2018, 1-6.
9. Self Adjointness of Hamiltonian Operator and convergence of corresponding Spectral Expansion; paper published in Journal of Basic and Applied Sciences, Volume 6,issue 2,2010,2-6
10. On an estimation of Eigenfunction of Schrdrnger's operator in a closed domain, paper published in MathDigest,INSPEM. UPM. volume 3 issue , 2010,4-6
11. On the uniformly convergence spectral expansions connected with schrödinger's operator of continuous functions in a closed domain, paper published in The Nucleus (Quarterly journal of Pakistan Atomic Energy Commission) volume 47, No. 4 (2010) : 261-265.
12. On the spectral expansions connected with Schrdrnger operator of continous functions in a closed domain, JOURNAL OF BASIC AND APPLIED SCIENCES (HEC approved journal) ISSN: 1814-8085,2012.