CURRICULUM VITAE

Personal Data:
❑ **Name:**   Kamal Moh'd Farhan Al-Dawoud.
❑ **Place and date of Birth:** Irbid, Jordan, 1971.
❑ **Nationality:**   Jordanian.
❑ **Marital Status**:   Married.

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Academic Degrees:

P**h.D.** in Applied Maths. **1999**. Dnipropetrovs'k State University. Ukraine, Title of Ph.D. Thesis:
"A Covering of One Sets by Others in Stochastic Geometry**".**

Diploma in Maths, 1995. (Five years). Dnipropetrovs'k State University.

Specialization: Applied Mathematics. Stochastic Geometry**.**

Research Interests: Geometric probability and Stochastic Geometry, Approximation of
                          Continuous Function, Mathematical Simulation, Quasi-Monte Carlo
                          methods, Random Number Generation, Random Probability,
                          Linear Algebra.

 Teaching Experience: I have taught the following courses**:**

B.Sc.Level: Ordinary Differential Equations (Math.203), statistic and probability,
                 Theory Probability, Linear Algebra and abstract algebra, Foundation of
                 Mathematics, Approximation Theory (Math.415), Functional Analysis**,**
                 Applied Mathematics (Math.271) and   Calculus Courses.

Professional Experience:

2015-NOW : Full Professor at Mu'tah Univ. Jordan
2013-2014: Associate Professor at Mu'tah Univ. Jordan.

2012-2013: Associate Professor at Jordan University.

2010-2012: Associate Professor at Mu'tah Univ. Jordan.

2009-2010: Associate Professor at Qassim University/SA

2007 – 2009: Associate Professor at Mu'tah Univ. Jordan.

2000- 2007 : Assistant Prof. at Mu'tah Univ., Jordan.

Computer Skills:

2005: Mu;tah University Computer Driver License (MUCDL)

Administration:
2015-2016 : Vice Dean of academic research
2014-2015: Coordinator of Mathematics and Computer Science Departments, mutah Univ., Jordan
2010-2012: Head of Department of Mathematics and Statistics, Mutah University
2007-2008: Dean Assistant/ Faculty of Science-Mu'tah University.

Administrative and Relative Experience:

1. Member of Council of faculty of Science at Mu'tah Univ.2004-2005.
2. I was in the examination committees for 15-master students in Applaied Math.

PUBLICATONS.
1. Kotlyar,B.D and Kamal Al-Dawoud**.** "Random Circles and Spheres on a Set".
   Dopov.Nats.Akad.Nauk Ukr.,Mat.Pryr.Tekh.Nauky. No.9,(15-16). 1999.

2. Kotlyar,B.D and Kamal Al-Dawoud**.**" On Random Circles In a Square and In a Circle"
   Theor.Probability and Math.Statist., (AMS).No.59,(109-112),1999.

3. Kamal Al-Dawoud. "On Approximation of Continuous Periodic Function"/ (FJMS),7(2)
   (2002),P. (197-204).

4- Khomchenko A.N., *Al-Dawoud Kamal* .Geometric probability and averging
   of boundary potentials. AAECS, № 2 (14),(8-11) 2004, Modelling of facilities and management
   systems

5. Kamal Al-Dawoud. "Spherical Means of Fourier Multiple Series"/ (JFC), V.27, (2005),
   P. (107-113).

6. Kamal Al-Dawoud. "Probabilistic Aspects of Bernstein Polynomials". / (IJAM), Vol.18, No. 2
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7- Kamal Al-Dawoud and Khomchenko A.N.Generalized Euler's integrals Type I and
   geometrical probability. Applied Geometry and Graphics. No.75 (25-29).2005.

8. Kamal Al-Dawoud and Khomchenko A.N. "Construction of Lagrange Interpolational
   Polynomials Using Geometrical Probability". Umm Al-Qura Univ. J. Sci. Med. Eng. Vol.19
   No.2,(153-163) **,**2007.

9. Kamal Al-Dawoud**.** "Probabilistic Aspects of Lagrange 3D-Interpolational". Journal of Applied Sciences**,**(181-184),8(1),2008.

10. Kamal Al-Dawoud and Khomchenko A.N." Geometrical Probability and Lagrange Interpolation   Higher-Order Polynomial Australian Journal of Basic and Applied Sciences (Thomson Reuters ISI indexed)(1340-1346)..(2009).

11- Kamal Al-Dawoud .Construction of serendipity shape functions by geometrical Probability, Journal of Basic and Applied Scientific Research(Thomson Reuters ISI indexed) 3(4)569-576, 2013

12- Emad A. Az-Zo'bi, Kamal Al Dawoud " Semi-Analytic Solutions to Riemann Problem for One-Dimensional Gas Dynamics" Scientific Research and Essays,vol.9(20),30 october2014,pp.880-884(Thomson Reuters ISI indexed).

13- Emad A. Az-Zo'bi, Kamal Al Dawoud, Mohammad Marashdeh " Numeric- analytic solution of mixed – type systems of balance laws" Applied Mathematics and Computation, vol.265(2015), pp.133-143. (Thomson Reuters ISI indexed).

14- Kamal Al-Dawoud" Exact Solution of Helmholtz Equation Via Reduced Differential Transform Method" European Journal of Scientific Research, Vol. 119 No 2 February,2014, pp.280-283 (Thomson Reuters ISI indexed).

15- Emad A. Az-Zo'bi, Mohammad Marashdeh, Kamal Al Dawoud **"** Numerical Simulation of One-Dimensional Shallow Water Equations**"** International Journal of Sciences: Basic and Applied Research (IJSBAR) (2015) Volume 23, No 2, pp 196-203.

16-M.H.M. Rashid and AL-Dawoud Kamal   **"** Generalization of A retarded Gronwall-Like Inequality**"** Natural and Applied Sciences, (2018),Volume(33),N(1).

17- Zulqurnain Sabir, Muhammad Asif Zahoor Raja, Aldawoud Kamal, Juan L.G. Guirao, Dac-Nhuong Le, Tareq Saeed and Mohamad Salama " Neuro-Swarm heuristic using interior-point algorithm to solve a third kind of multi-singular nonlinear system. "*Mathematical Biosciences and Engineering*", (**2021**) Volume 18, Issue 5, 5285–5308.

18- Kashif Nisar , Zulqurnain Sabir, Muhammad Asif Zahoor Raja , Ag. Asri Ag. Ibrahim ,Joel J. P. C. Rodrigues, Adnan Shahid Khan, Manoj Gupta, Aldawoud Kamal and Danda B. Rawat"Evolutionary Integrated Heuristic with udermannian Neural Networks for Second Kind of Lane–Emden Nonlinear Singular Models"Appl. Sci. **2021**, 11, 4725. https://doi.org/10.3390/app11114725.