

HOOAN EMADIFAR

Work experience

university - *tuition fee*

2002/9/23 - 2016/6/21

15 years lecturer in universities of Kermanshah and Hamadan provinces in Iran



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Language

English,Ept,Msrt,Tolimo : 3

Education

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Shahid Tavakol Momeni High School in Kermanshah, Iran
mathematics and physics diploma

1983/9/23 -
1995/9/22

Razi University of Kermanshah in Iran
Bachelor of Pure Mathematics

1996/9/22 -
2001/8/12

Islamic Azad University, Lahijan Branch in Iran
Master of Applied Mathematics Field Operations Research

2001/9/23 -
2004/2/4


Obtaining a master's degree in applied mathematics with a focus on operations research with a grade point average of 15/09 and as a dissertation of undesirable outputs in Efficiency valuation by data envelopment analysis models and a dissertation score of 17 and with a good grade

Ph.D

Obtaining a Ph.D. in Applied Mathematics with a focus on Numerical Analysis with a GPA of 17/35 and as a dissertation on numerical solutions of fractional differential equations using spline exponential functions with excellent grade and a dissertation score of 20 and the publication of an *ISI* article in *Boundary Value Problems Magazine*. Entitled An exponential spline approximation for fractional Bagley-Torvik equation. Also published an article in the *Journal of Mathematical Research* entitled An exponential spline for solving the fractional Riccati differential equation .

And defense of Ph.D thesis under the heading of numerical solutions of differential equations with fractional derivatives using exponential spline functions with grade 20.

Skills

Mathematics and latex 
software

Research Activities

Articles

Article type	publication date	Journal Name	Article title	row
ISI – Q1	2020	Boundary Value Problems	An exponential spline approximation for fractional Bagley-Torvik equation	1
Scientific-research	2021	Mathematical Research (Kharazmi University Journal of Science)	Spline view to solve the fractional Riccati equation	2
ISI – Q2	Online printing	Complexity	Stagnation point flow of EMHD micropolar nanofluid with mixed convection and slip boundary	3
ISI – Q2	Online printing	Journal of Mathematics	A Class of Sextic Trigonometric Bezier Curve with Two Shape Parameters	4
ISI – Q2	Online printing	Complexity	FRACTIONAL HERMITE-JENSEN-MERCER INTEGRAL INEQUALITIES WITH RESPECT TO ANOTHER FUNCTION AND APPLICATION	5
ISI – Q2	Online printing	Journal of Mathematics	New Cubic Trigonometric Bezier Like Functions with Shape Parameter: Curvature and Its Spiral Segment	6

ISI – Q1	Online printing	Journal of Function Spaces	Numerical simulation of time Fractional BBM-Burger equation using Cubic B-spline functions	7
ISI	In the hands of the referee	Journal of Applied Mathematics and Computing with application	Non polynomial Spline Interpolation for Solving fractional sub-diffusion equations, sub-diffusion equation	8
ISI – Q3	Online printing	AIMS Mathematics	Traveling wave solutions to the Boussinesq equation via Sardar sub-equation technique	9
ISI – Q1	In the hands of the referee	Fractional Calculus and Applied Analysis	Existence, Uniqueness and HU-Stability Results for Nonlinear Fuzzy Fractional Volterra-Fredholm Integro-Differential Equations	10
ISI – Q4	In the hands of the referee	Sencifi	On controllability for fractional Volterra Fredholm system	11
ISI – Q2	In the hands of the referee	Mathematics and Computers in Simulation	Some new existence and uniqueness results for Volterra-Fredholm	12
ISI – Q2	Online printing	Journal of Mathematics	Integral inequalities of integer and fractional orders for n -polynomial harmonically s -convex functions and their applications	13
ISI – Q2	In the hands of the referee	Journal of Mathematics	Pell-Lucas Collocation Method for a Class of Second order Nonlinear Ordinary Differential Equations Pell-Lucas Collocation Method for a Class of Second order Nonlinear Ordinary Differential Equations	14
ISI – Q1	In the hands of the referee	Journal of Function Spaces	Some Ostrowski Type Inequalities Pertaining Conformable Fractional Operator	15
ISI – Q2	In the hands of the referee	Advances in Mechanical Engineering	Analytical Approximate Solution of Fractional Order Smoking Epidemic Model	16
ISI – Q4	In the hands of the referee	Scientific Bulletin	Heat Transfer and Natural Convection Flow past a semi-infinite Vertical Plate	17
ISI – Q3	In the hands of the referee	Advances in Mathematical Physics	Pell-Lucas Polynomial Method for Volterra Integral Equations of the Second Kind	18
ISI – Q3	Online printing	Mathematical Problems in Engineering	Effect of Maxwell velocity and Smoluchowski temperature jump slip conditions on tangent hyperbolic nanofluid	19

ISI – Q2	In the hands of the referee	Journal of Mathematics	New Fractional Integral Inequalities Pertaining to Caputo-Fabrizio and Generalized Riemann-Liouville Fractional Integral Operators	20
ISI – Q2	In the hands of the referee	Journal of Mathematics	Refined Exponential type Convex Functions and Related Fractional Integral Inequalities	21
ISI – Q1	In the hands of the referee	Journal of Function Spaces	New Ostrowski Type Inequalities Pertaining to Atangana-Baleanu Fractional Operators and Their Applications	22
ISI – Q3	Online printing	Advances in Mathematical Physics	GENERALIZATION CONTRACTIVE MAPPINGS ON RECTANGULAR b-METRIC SPACE	23
ISI – Q3	Online printing	Modelling and Simulation in Engineering	Heat Generation and Thermal Radiation Effects on Double-Diffusive MHD Flow	24
ISI – Q1	In the hands of the referee	Journal of the Brazilian Society of Mechanical Sciences and Engineering	Effect of chemical reaction and Magnetic field on Magnetohydrodynamic Boundary layer flow along a flat plate	25
ISI – Q2	In the hands of the referee	Computer Systems Science and Engineering	Particle Swarm Optimization for solving Sine-Gordan equation	26
ISI – Q3	In the hands of the referee	Advances in Mathematical Physics	Soliton solutions of the Korteweg–de Vries equation	27
ISI – Q3	In the hands of the referee	Advances in Mathematical Physics	ON $(\eta, \gamma)(f, g)$ -CONTRACTIONS IN THE EXTENDED b-METRIC SPACES	28
ISI – Q3	In the hands of the referee	Advances in Mathematical Physics	Neutrosophic Sustainable Inventory Model (NSIM) with learning effect	29
ISI – Q2	Online printing	Symmetry	A Scaled Dai–Yuan Projection-Based Conjugate Gradient Method for Solving Monotone Equations with Applications	30
ISI – Q2	Online printing	Computational and Mathematical Methods in Medicine	Numerical simulation to predict COVID-19 cases in Punjab	31
ISI – Q2	In the hands of the referee	Air Quality, Atmosphere and Health	Covid-19 Lockdown and Air Pollution Levels in India's Megacities	32
ISI – Q2	In the hands of the referee	Physics Teacher	A Review of Radial Basis Function with Applications Explored	33
ISI – Q2	Online printing	Computer Systems Science and Engineering	Particle Swarm Optimization for solving Sine-Gordan equation	34
ISI – Q3	Online printing	Advances in Mathematical Physics	Differential quadrature method to examine the dynamical behaviour of	35

			soliton solutions to the Korteweg-de Vries equation	
ISI - Q3	Online printing	Mathematical Problems in Engineering	Effect of Maxwell velocity and Smoluchowski temperature jump slip conditions on tangent hyperbolic nanofluid	36
ISI - Q2	Online printing	Modelling and Simulation in Engineering	Double-Diffusive MHD Viscous Fluid Flow in a Porous medium in the Presence of Cattaneo-Christov Theories	37
ISI - Q2	In the hands of the referee	Filomat	The Necessary and Sufficient Condition for Cartan's Second Curvature Tensor which Satisfies Recurrence and Birecurrence Property in Generalized Finsler Spaces	38
ISI - Q2	In the hands of the referee	Filomat	Generalizing Caristi's Contractive Type in Generalized Metric Space	39
ISI - Q2	In the hands of the referee	Journal of the Brazilian Society of Mechanical Sciences and Engineering	Effect of quartic autocatalysis chemical reaction on MHD tangent hyperbolic nanofluid flow past a upper horizontal surface of a paraboloid of revolution: A numerical study	40
Scopus	Online printing	Topological Algebra and its Applications	A NEW RESULT ON BRANCIARI METRIC SPACE USING (α, γ) -CONTRACTIVE MAPPINGS	41
ISI - Q2	In the hands of the referee	The European Physical Journal Plus	A Constriction Factor Based Particle Swarm Optimization for numerical simulation of Fitzhugh-Nagumo equation	42
ISI - Q2	In the hands of the referee	Heliyon	Soliton: A dispersion-less solution with existence and its types	43
ISI - Q1	In the hands of the referee	Journal of Inequalities and Applications	New stochastic fractional integral and related inequalities of Jensen-Mercer and Hermite-Hadamard-Mercer type for convex stochastic processes	44
ISI - Q1	In the hands of the referee	optic	Numerical solutions of nonlinear Schrodinger equation with applications in optical fiber communication	45
ISI - Q1	In the hands of the referee	fract	NEW HERMITE-HADAMARD TYPE INEQUALITIES VIA BETA FUNCTION WITHIN YANG FRACTAL THEORY	46

ISI – Q1	In the hands of the referee	Computational and Applied Mathematics	A Construction Factor-based PSO form the RBF shape parameter for Fitzhugh-Nagumo Simulation	47
Scopus- Q2	In the hands of the referee	SEMA	A Review of Radial Basis Function with Applications Explored	48
ISI – Q4	In the hands of the referee	Computational Statistics	Designing and Selection of Mixed Relational Complete Chain Sampling Plan Using	49
ISI – Q3	In the hands of the referee	Advances in Mathematical Physics	Exact solutions of the generalized ZK and Gardner equations by extended generalized $\left(\frac{G'}{G}\right)$ -expansion method	50

Conference

Twenty-seventh conference on mathematical analysis and its applications held at the Islamic Azad University of Hamadan