

Curriculum Vitae

Dr. Muhammad Tanveer

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Renala Khurd , Okara ,Pakistan
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CURRENT STATUS

Assistant Professor at University of Agriculture Faisalabad (17-02-2022 to Present) Pakistan.

- **Citation:** 733
- **H index:** 17

PERSONAL INFORMATION

Father's Name	:	Abdul Qayyum
Date of Birth	:	10, March, 1986
C.N.I.C. No.	:	35303-4456304-5
Marital Status	:	Married
Domicile	:	Okara (Punjab)
Religion	:	Islam
Nationality	:	Pakistani

ACADMIC INFORMATION

- | | |
|--|-----------------------|
| • Ph. D.
Mathematics
The University of Lahore, Lahore | Session
2015- 2020 |
| • M Phil.
Mathematics
Lahore Leads University, Lahore | 2012-2014 |
| • M.Sc.
Mathematics
GC University, Faisalabad | 2006-2008 |
| • B. Sc.
Mathematics, Physics
University of the Punjab, Lahore | 2003-2006 |
| • F.Sc.
Chemistry, Mathematics, Physics
BISE Lahore | 2001-2003 |
| • S.S.C.
Biology, Chemistry, Mathematics, Physics | 1999-2001 |

BISE Lahore

PhD THESIS INFORMATION

Expertise/Research Interest:

- Fractal Geometry, Numerical Analysis, Fixed Point Theory, Bifurcation and Chaos Analysis, Data Analysis.

Title of Dissertation:

- Fractals via Jungck type iterative schemes with s-convexity.

Supervisor's Name:

- Dr. Waqas Nazeer
Assistant Professor
Department of Mathematics, GC University Lahore, Pakistan.

Co-supervisor's Name:

- Dr. Maqbool Ahmad Choudary
Professor
Department of Mathematics and Statistics, The University of Lahore, Lahore, Pakistan.

EXPERIENCE

- Visiting lecture at University of Education Okara Campus (2015 to 2016), Visiting lecture at University of Okara (2016 to Fall-2019) and Visiting Assistant Professor at University of Okara (2020 to 16-02-2022) Pakistan. Assistant Professor University of Agriculture Faisalabad (17-02-2022 to Present)
- Working as Departmental representative for Quality Enhancement Cell at Constituent College Depalpur Okara, University of Agriculture Faisalabad (December 2022 to Present)
- Focal Person Admission at Constituent College Depalpur Okara, University of Agriculture Faisalabad (December 2022 to Present)
- Incharge Estate Affairs at Constituent College Depalpur Okara, University of Agriculture Faisalabad (May 2022 to Present)

SUPERVISION

I have supervised 22 MPhil Mathematics students, and I am currently supervising 5 MPhil and 16 BS Mathematics students.

MAJOR COURSES ATTENDED

Master's Program:

- 1:- Real Analysis
- 2:- Algebra
- 3:- Complex Analysis and Differential Geometry
- 4:- Mechanics
- 5:- Topology and Functional Analysis
- 6:- Advance Analysis
- 7:- Method of Mathematical Physics
- 8:- Numerical Analysis
- 9:- Mathematical Statistics

10:- Graph Theory
 11:- Number Theory
MPhil Program :
 1:- Linear Algebra
 2:- Rings and Modules
 3:- Combinatorial Algebra
 4:- Iterative Methods
 5:- Integral Inequalities
 6:- Differential Equations
 7:- Partial Differential Equations
 8:- Functional Analysis
 9:- Field Extension and Galois theory

OTHER INFORMATION

Computer Literacy:

- Windows OS (use and installation)
- Professional Microsoft Word, PowerPoint, Excel knowledge
- Typesetting with TeX & LaTeX
- Scientific Workplace
- Mathematica
- Maple
- Matlab
- Python

Hobbies:

- Reading
- Computer Games
- Internet Surfing

Languages:

- Fluent in Urdu, Punjabi , Haryanvi and English

ACADEMIC REFERENCES

Dr. Krzysztof Gdawiec

Associate Professor
Institute of Computer Science
University of Silesia
Sosnowiec, Poland
E-mail: krzysztof.gdawiec@us.edu.pl

Dr. Waqas Nazeer

Assistant Professor,
Head of Department of Mathematics
GC University, Lahore Pakistan
E-mail: Nazeer.waqas@gcu.edu.pk

Dr. Tariq Aziz

Associate Professor
University of Agriculture Faisalabad, Pakistan
E-mail: draziz@uaf.edu.pk

PROJECTS

Funded research projects	Number	Duration	Amount	Role
Total Projects and Title FORECASTING NATIONAL AGRONOMIC DEMAND OF NITROGENOUS FERTILIZERS FOR NEXT TWO DECADES	01	06 Months	3 million	Project manager

**CONFERENCES/WORKSHOPS/
WEBINARS**

I have organized 2 international conferences, 5 national and international webinars and 14 workshops .

List of Publications

Sr. No.	Name of Journal, Address with ISSN (Print), Volume, Page No.	Title of Publication	Published Date		Online Link of paper	
			Impact Factor	National/		
				International		
1	Axioms	Generalized Logistic Maps in the Complex Plane: Structure, Symmetry, and Escape-Time Dynamics	1.9	International	2025	10.3390/axioms14060404
2	AIMS Mathematics	Fractal generation and analysis using modified fixed-point iteration	1.9	International	2025	10.3934/math.2025437
3	Axioms	On the Global Dynamics of a Fourth-Order Riccati-Type Exponential Fuzzy Difference Equation	1.9	International	2025	10.3390/axioms14020118
4	Qualitative Theory Of Dynamical Systems	Application of CR Iteration Scheme in the Generation of Mandelbrot Sets of $z^p+\log c^t$ Function On the Application of Mann	1.9	International	2024	10.1007/s12346-024-01160-3
5	Fractal and Fractional		3.577	International	2024	10.3390/fractalfract8070414
6	Alexandria Engineering	Escape Criterion for generating fractals via Picard-Thakur Hybrid iteration	6.8	International	2024	10.1016/j.aej.2024.03.074
7	Optical and Quantum Electronics	Exploration conversations laws, different rational solitons and vibrant type breather wave solutions of the modify unstable nonlinear Schrödinger equation with stability and its multidisciplinary applications	3.1	International	2024	dx.doi.org/10.1007/s11082-023-06
8	Fractal and Fractional	Study on Abundant Dust-Ion-Acoustic Solitary Wave Solutions of a (3+1)-Dimensional Extended Zakharov-Kuznetsov Dynamical Model in a Magnetized Plasma and Its Linear Stability	3.577	International	2023	10.3390/fractalfract7090691
9	Fractal and Fractional	Multicorn Sets of $z^{-k}+c^m$ via S-Iteration with h-Convexity	3.577	International	2023	10.3390/fractalfract7060486
10	Mathematics and Computers in Simulation	On the Mandelbrot set of $z^p+\log c^t$ via the Mann and Picard–Mann iterations	4.77	International	2023	10.1016/j.matcom.2023.02.012
11	Fractal and Fractional	Escape Criteria for Generating Fractals of Complex Functions Using DK-Iterative Scheme	3.577	International	2023	10.3390/fractalfract7010076
12	Fractal and Fractional	A Four Step Feedback Iteration and Its Applications in Fractals	3.577	International	2022	10.3390/fractalfract6110662
13	AIMS Mathematics,2473-6988, 6(12): 13170–13186.	Fixed point results of an implicit iterative scheme for fractal generations	1.427	International	15/09/2021	http://dx.doi.org/10.3934/math.2021761

14	AIMS Mathematics, 2473-6988, 6(6): 5563–5580.	New escape conditions with general complex polynomial for fractals via new fixed point iteration	1.427	International	19/03/2021	http://dx.doi.org/%2010.3934/math.2021329
15	Discrete Dynamics in Nature and Society, 1026-0226, 12 pages	Fractals via Generalized Jungck–S Iterative Scheme	0.87	International	03.01.2021	https://doi.org/10.1155/2021/8886056
16	Journal of Mathematics, (2314-4785), 15 pages	Comparative Study of Some Fixed Point Methods in The Generation of Julia and Mandelbrot Sets	0.7	International	20/07/2020	https://doi.org/10.1155/2020/7020921
17	IEEE Access, ieeeaccess@ieee.org (2169-3536), 8, 160472-160481	Anti Mandelbrot set via Jungck-M Iteration	4.64	International	11.06.2020	10.1109/ACCESS.2020.3033733 , IEEE Access
18	IEEE Access, ieeeaccess@ieee.org (2169-3536), 8, 18 pages	Fixed point results for Fractal generation of complex polynomials involving Sine function via Non-standard iterations	4.64	International	2020	10.1109/ACCESS.2020.3018090 , IEEE Access
19	IJPAM, (0019-5588),	New Escape Criteria for the Complex Fractals Generation in Jungck-CR Orbit	0.5	International	12.01.2020	10.1007/s13226-020-0466-9
20	IEEE Access, ieeeaccess@ieee.org (2169-3536), 7, 160472-160481	Fixed Point Results for Fractal Generation in Extended Jungck–SP Orbit	4.64	International	11.04.2019	https://ieeexplore.ieee.org/document/8890803
21	IEEE Access, ieeeaccess@ieee.org (2169-3536), 7, 76859-76867	Boundaries of Filled Julia sets in Generalized Jungck Mann Orbit	4.64	International	30/05/2019	https://ieeexplore.ieee.org/document/8726367/
22	IEEE Access, ieeeaccess@ieee.org (2169-3536), 7, 35060-35071	Fractal Generation in Modified Jungck–S Orbit	4.64	International	03.12.2019	https://ieeexplore.ieee.org/document/8665858
23	IEEE Access, ieeeaccess@ieee.org (2169-3536), 7, 12167-12176	Mandelbrot and Julia sets via Jungck-CR iteration with s-convexity	4.64	International	14/01/2019	https://ieeexplore.ieee.org/document/8611419
24	Journal of Function Spaces, Hindawi Publishing Corporation (2314-8896), 2015, 7 pages	New Fixed Point Results for Fractal Generation in Jungck Noor Orbit with s-Convexity	1.896	International	08.12.2015	https://www.hindawi.com/journal/s/ifs/2015/963016/
25	Journal of Inequalities and Applications, J Inequal Appl (1029-242X), 2015, 16 pages	Fixed point results in the generation of Julia and Mandelbrot sets	1.02	International	25/09/2015	https://journalofinequalitiesandapplications.springeropen.com/trac/pdf/10.1186/s13660-015-0820-3
26	Journal of Nonlinear Science and Applications, J. Nonlinear Sci. Appl. (2008-1898), 9 (2016), 998–1007.	A new Householder's method free from second derivatives for solving nonlinear equations and polynomiography	0.949	International	2016	http://dx.doi.org/10.22436/insa.09.03.28
27	Journal of Nonlinear Science and Applications, J. Nonlinear Sci. Appl. (2008-1898), 9(3):967-976, 2016.	Polynomiography via an iterative method corresponding to Simpson's 1/3 rule	0.949	International	2016	http://dx.doi.org/10.22436/insa.09.03.25
28	Pan-American Mathematical Journal, (1064-9735), 24(4), 66-95	Polynomiography via modified Jungck, modified Jungck Mann and modified Jungck Ishikawa iteration	0	International	2014	

29	International Journal of Pure and Applied Mathematics, (1314-3395), 111(2),287-302, 2016.	New tricorns and multicorns antifractals in Jungck Mann orbit		International	12.11.2016	https://pdfs.semanticscholar.org/7b0b/c124c972a2f5df1df7d0168c4274759ee7e.pdf
30	International Journal of Pure and Applied Mathematics, (1314-3395), 111(1),55-65, 2016.	Modified Halley's method for solving nonlinear functions with convergence of order six and efficiency index 1.8171		International	12.02.2016	https://pdfs.semanticscholar.org/bd77/533c39e87e32a8dae187dec7580f65d9eccf.pdf
31	International Journal of Pure and Applied Mathematics, (1314-3395), 111(2),287-302, 2016.	Modified new sixth-order fixed point iterative methods for solving nonlinear functional equations		International	09.08.2016	https://pdfs.semanticscholar.org/ea0/8f71832974b964603462fc81f0f0a12cd6c.pdf
32	International Journal of Pure and Applied Mathematics, (1314-3395), 102(2),357-382,2015	THE MODIFIED JUNGCK MANN AND MODIFIED JUNGCK ISHIKAWA ITERATION SCHEMES FOR ZAMFIRESCU OPERATORS		International	2015	https://ijpam.eu/contents/2015-102-2/13/13.pdf
33	Journal of Prime Research in Mathematics,(1817-3462), 13:,41-55, 2017.	A ninth-order iterative method for nonlinear equations along with polynomiography		National	Nov.17	
34	Far East Journal of Mathematical Sciences,(0972-0871), 102(2), 251-1269, 2017.	FIXED POINT TYPE ITERATIVE METHOD FOR SOLVING NONLINEAR EQUATIONS AND POLYNOMIOGRAPHY		International	11.02.2017	http://dx.doi.org/10.17654/MS102020251
35	Science international Lahore, (1013-5316), 28(5),4399-4404,2016.	DYNAMICS OF JARRAT METHOD		National	2016	http://www.sci-int.com/Search?catid=74
36	Science international Lahore, (1013-5316), 28(2),,2016.	PREDICTOR CORRECTOR ITERATIVE METHOD FOR SOLVING NONLINEAR EQUATIONS		National	2016	http://www.sci-int.com/Search?catid=64
37	Science international Lahore, (1013-5316), 28(1),83-87,,2016.	MODIFIED HOUSEHOLDER'S METHOD (MHHM) FOR SOLVING NONLINEAR FUNCTIONS WITH CONVERGENCE OF ORDER SIX		National	2016	http://www.sci-int.com/Search?catid=61
38	Science international Lahore, (1013-5316), 28(4),3401-3406,2016.	POLYNOMIOGRAPHY VIA AN ITERATIVE METHOD SUGGESTED BY S. K. KHATTRI AND I. K. ARGYROS		National	2016	http://www.sci-int.com/Search?catid=71
39	Science international Lahore, (1013-5316), 28(4), 3293-3298,2016.	POLYNOMIOGRAPHY VIA FOURTH ORDER ITERATIVE METHOD FOR SOLVING NONLINEAR EQUATIONS		National	2016	http://www.sci-int.com/Search?catid=71

40	Science international Lahore, (1013-5316), 28(2), 825-828,2016.	DYNAMICS OF MODIFIED HOUSEHOLDER'S METHOD		National	2016	http://www.sci- int.com/Search?catid=64
41	Science international Lahore, (1013-5316), 27(4),2959-2963,2015.	NEW MODIFIED TWO- STEP JUNGCK ITERATIVE METHOD FOR SOLVING NONLINEAR FUNCTIONAL EQUATIONS		National	2015	http://www.sci- int.com/Search?catid=53
42	Science international Lahore, (1013-5316), 27(3), 1741-1744,2015.	MODIFIED NEW THIRD- ORDER ITERATIVE METHOD FOR NON- LINEAR EQUATIONS		National	2015	http://www.sci- int.com/Search?catid=50
43	Science international Lahore, (1013-5316), 27(3), 1737-1739,2015.	MODIFIED TWO-STEP FIXED POINT ITERATIVE METHOD FOR SOLVING NONLINEAR FUNCTIONAL EQUATIONS		National	2015	http://www.sci- int.com/Search?catid=50
44	Science international Lahore, (1013-5316), 27(3), 1815-1817,2015.	NEW FIXED POINT ITERATIVE METHOD FOR SOLVING NONLINEAR FUNCTIONAL EQUATIONS		National	2015	http://www.sci- int.com/Search?catid=50
45	Science international Lahore, (1013-5316), 28(1),89-93 ,2015.	MODIFIED GOLBABAI AND JAVIDI'S METHOD (MGJM) FOR SOLVING NONLINEAR FUNCTIONS WITH CONVERGENCE OF ORDER SIX		National	2015	http://www.sci- int.com/Search?catid=61
46	International Journal of Mathematical Analysis,(1314-7579), 9(39),1910-1928,2015.	Improvements in Newton-Rapshon Method for Nonlinear Equations Using Modified Adomian Decomposition Method		International	23/07/2015	http://www.m- hikari.com/ijma/ijma-2015/ijma- 37-40-2015/p/kanglJMA37-40- 2015-1.pdf
47	International Journal of Mathematical Analysis,(1314-7579), 9(41),2011-2019,2015.	Modified Abbasbandy's Method for Solving Nonlinear Functions with Convergence of Order Six		International	08.07.2015	http://www.m- hikari.com/ijma/ijma-2015/ijma- 41-44-2015/p/kanglJMA41-44- 2015.pdf

48	Wulfenia, (1561-882X) , 22(5),24-32,2015.	<u>Modified Two-step Fixed Point Iterative Method for Solving Nonlinear Functional Equations with Convergence of Order Five and Efficiency Index 2.2361</u>	2	International	Mai. 15	http://www.multidisciplinarywulfenia.org/
49	Wulfenia, (1561-882X), 22(1), 167-187,2015.	Julia and Mandelbrot Sets in Modified Jungck Three-step Orbit	2	International	Jän. 15	http://www.multidisciplinarywulfenia.org/
50	MITTEILUNGEN KLOSTERNEUBURG, (0007-5922), 65(1),2015.	Julia and Mandelbrot Sets in Jungck Mann and Jungck Ishikawa Orbits	0.1	International	Jän. 15	www.mitt-klosterneuburg.com
51	Sylwan, (0039-7660), 159(4), 1-14,2015	New Dynamics of Antifractals inJungck Ishikawa Orbit	0.623	International	2015	http://sylwan.ibles.org/archive.php?v=159&i=4
52	Sylwan, (0039-7660), 159(4), 373-395,2015	Modified Jungck Iteration Scheme for Generalized Zamfirescu Operators and Applications	0.623	International	2015	http://sylwan.ibles.org/archive.php?v=159&i=4
53	Sylwan, (0039-7660), 159(4), 515-531,2015	Relative Superior Mandelbrot Sets for S- Iteration Scheme	0.623	International	2015	http://sylwan.ibles.org/syl/search.php?searchQuery=Muhammad+Tanveer&search=sea
54	Sylwan, (0039-7660),, 159(1), 177-193,2015	New S-iteration Scheme and Polynomiography	0.623	International	2015	http://sylwan.ibles.org/syl/search.php?searchQuery=Muhammad+Tanveer&search=search