

## Quanita Kiran

Professor

School of Electrical Engineering and Computer Science

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## About

Dr. Quanita Kiran is working as Professor in the School of Electrical Engineering and Computer Science. Dr. Quanita Kiran has a PhD in Fixed Point Theory, Functional Analysis, Graph Theory. Dr. Quanita Kiran has published 37 research articles & conference papers having a citation count of 191, carried out 0 projects and filed 0 intellectual property.

## Qualifications

<b>PhD in Fixed Point Theory, Functional Analysis, Graph Theory</b> NUST, Islamabad , Pakistan	2005 - 2010
<b>MSc in Mathematics</b> Quaid-i-Azam University , Pakistan	2003 - 2005
<b>BSc in Maths A, Maths B, Physics</b> University of the Punjab , Pakistan	1998 - 2000
<b>F.Sc in Pre-Engineering</b> BISE, Hyderabad , Pakistan	1996 - 1998
<b>Matric (SSC) in Sceince</b> BISE, Hyderabad , Pakistan	1994 - 1996

## Experience

<b>Professor</b> School of Electrical Engineering and Computer Science	2021- Present
<b>Associate Professor</b> School of Electrical Engineering and Computer Science	2017 - 2021
<b>Assistant Professor</b> School of Electrical Engineering and Computer Science	2015 - 2017
<b>Assistant Professor</b> School of Electrical Engineering and Computer Science	2012 - 2015
<b>Assistant Professor</b> School of Electrical Engineering and Computer Science	2011 - 2012
<b>Lecturer</b> School of Electrical Engineering and Computer Science	2010 - 2011

## Awards

<b>Gold Medal</b> Gold Medal on securing first position in MSc by Quaid-i-Azam University
<b>Silver Medal</b> On securing first position in FSc among the girls

## Research Articles

<b>Computational Analysis of Biological Control Agents for Fusarium Wilt Using M-Polynomials</b> <i>Muhammad Imran Jabbar Ali Yasir Ali Quanita Kiran Mehar Ali Malik Muhammad Aqib</i> <i>ACS Omega</i> , Volume:10, Issue: 27, Pages:29180-29193 <b>Impact Factor: 4.3   Quartile: 2</b>	2025
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<p><b>DOI:</b> 10.1021/acsomega.5c01839</p>	
<p><b>Some fixed point results on controlled rectangular partial metric spaces with a graph structure</b></p> <p><i>Nayab Alamgir Qanita Kiran Yasir Ali Hassen Aydi</i></p> <p><i>Carpathian Mathematical Publications</i> , Volume:17, No. 1, Pages:343-363</p> <p><b>Impact Factor:</b> 1.0   <b>Quartile:</b> 2</p> <p><b>DOI:</b> 10.15330/cmp.17.1.343-363</p>	2025
<p><b>Some generalizations of b-metric spaces and corresponding fixed point results</b></p> <p><i>Iqra Shereen Qanita Kiran Hassen Aydi</i></p> <p><i>Acta Mathematica Universitatis Comenianae</i> , Volume XCIV, No. 2, Pages 105-133</p> <p><b>Impact Factor:</b> 0.400   <b>Quartile:</b> 4</p>	2025
<p><b>Four Step T-Stable Generalized Iterative Technique with Improved Convergence and Various Applications</b></p> <p><i>Qanita Kiran Shaista Begum</i></p> <p><i>Axioms</i> , Volume 14(1), Article Number 71</p> <p><b>Impact Factor:</b> 1.900   <b>Quartile:</b> 1</p> <p><b>DOI:</b> 10.3390/axioms14010071</p>	2025
<p><b>On new extended cone b-metric-like spaces over a real Banach algebra</b></p> <p><i>Iqra Shereen Qanita Kiran Ahmad Aloqaily Hassen Aydi Nabil Mlaiki</i></p> <p><i>Journal of Inequalities and Applications</i> , Volume 2024, Article Number: 129</p> <p><b>Impact Factor:</b> 1.500   <b>Quartile:</b> 1</p> <p><b>DOI:</b> <a href="https://doi.org/10.1186/s13660-024-03205-2">https://doi.org/10.1186/s13660-024-03205-2</a></p>	2024
<p><b>New complex(fuzzy) generalized metric spaces and an application to integral equations</b></p> <p><i>Iqra Shereen Qanita Kiran Hassen Aydi</i></p> <p><i>Advances in the Theory of Nonlinear Analysis and its Application</i> , Volume 7, No. 5, Pages 107-129</p> <p><b>Impact Factor:</b> N/A   <b>Citations:</b> 1</p> <p><b>DOI:</b> 10.17762/atnaa.v7.i5.329</p>	2023
<p><b>A Fredholm Integral Equation via a Fixed Point Result in Controlled Metric Spaces</b></p> <p><i>Nayab Alamgir Qanita Kiran Hassen Aydi Vahid Parvaneh Abdollah Dinmohammadi</i></p> <p><i>Journal of Mathematical Extension</i> , Volume 16, No. 10, Pages 1-15</p> <p><b>Impact Factor:</b> 0.50 (ESCI)</p> <p><b>DOI:</b> <a href="https://doi.org/10.30495/JME.2022.2019">https://doi.org/10.30495/JME.2022.2019</a></p>	2022
<p><b>Fuzzy fixed point results of generalized almost F-contractions in controlled metric spaces</b></p> <p><i>Qanita Kiran Nayab Alamgir Hassen Aydi Yae Ulrich Gaba</i></p> <p><i>Advances in Difference Equations</i> , Volume 2021, Article Number: 476</p> <p><b>Impact Factor:</b> 2.803   <b>Quartile:</b> 1   <b>Citations:</b> 4</p> <p><b>DOI:</b> 10.1186/s13662-021-03598-0</p>	2021
<p><b>Admissible Hybrid Z-Contractions in Extended b-Metric Spaces</b></p> <p><i>Qanita Kiran Mamuna Azhar Hassen Aydi Yaé Ulrich Gaba</i></p> <p><i>Advances in Mathematical Physics</i> , 10.1155/3197</p> <p><b>Impact Factor:</b> 1.128   <b>Quartile:</b> 3</p> <p><b>DOI:</b> <a href="https://doi.org/10.1155/2021/5579577">https://doi.org/10.1155/2021/5579577</a></p>	2021
<p><b>On Controlled Rectangular Metric Spaces and an Application</b></p> <p><i>Nayab Alamgir Qanita Kiran Hassen Aydi Yae Ulrich Gaba</i></p> <p><i>Journal of Function Spaces</i> , Volume 2021, Article ID 5564324, 9 pages</p> <p><b>Impact Factor:</b> 1.281   <b>Quartile:</b> 2   <b>Citations:</b> 5</p> <p><b>DOI:</b> <a href="https://doi.org/10.1155/2021/5564324">https://doi.org/10.1155/2021/5564324</a></p>	2021
<p><b>On Multivalued Fuzzy Contractions in Extended b -Metric Spaces</b></p> <p><i>Qanita Kiran Nayab Alamgir Hassen Aydi Yae Ulrich Gaba</i></p> <p><i>Journal of Mathematics</i> , Volume 2021, Article ID 5579991, 11 pages</p> <p><b>Impact Factor:</b> 1.555   <b>Quartile:</b> 1   <b>Citations:</b> 3</p> <p><b>DOI:</b> <a href="https://doi.org/10.1155/2021/5579991">https://doi.org/10.1155/2021/5579991</a></p>	2021
<p><b>Forgotten coindex of some non-toxic dendrimers structure used in targeted drug delivery</b></p> <p><i>Yasir ali Zainab Bibi Qanita Kiran</i></p> <p><i>Main Group Metal Chemistry</i> , Volume 44, Issue 1, Pages 22–31</p>	2021

<b>Impact Factor:</b> 1.068   <b>Quartile:</b> 3   <b>Citations:</b> 5 <b>DOI:</b> <a href="https://doi.org/10.1515/mgmc-2021-0004">https://doi.org/10.1515/mgmc-2021-0004</a>	
<b>Fixed point results via a Hausdorff controlled type metric</b> <i>Nayab Alamgir Huseyin I,s?k Hassen Aydi Nayab Alamgir Qanita Kiran Huseyin I,s?k Hassen Aydi</i> <i>Advances in Difference Equations</i> , Article number: 24, Pages 1-20 <b>Impact Factor:</b> 2.803   <b>Quartile:</b> 1   <b>Citations:</b> 40 <b>DOI:</b> 10.1186/s13662-020-2491-8	2020
<b>The Study of Lattice Structure of Bipartite Stable Matchings With Flexible Agents</b> <i>Yasir Ali Qanita Kiran W. SHATANAWI B. Shaukat</i> <i>IEEE Access</i> , Volume 7, Pages 94666 - 94675 <b>Impact Factor:</b> 3.745   <b>Quartile:</b> 1   <b>Citations:</b> 1 <b>DOI:</b> 10.1109/ACCESS.2019.2926842	2019
<b>Fixed Point Theorems for Generalized Contractive Multi-Valued Maps</b> <i>Qanita Kiran Tayyab Kamran</i> <i>Computers &amp; Mathematics with Applications</i> , Volume: 59, Issue: 12, Pages: 3813-3823 <b>Impact Factor:</b> 3.370   <b>Quartile:</b> 1   <b>Citations:</b> 7 <b>DOI:</b> 10.1016/j.camwa.2010.04.015	2019
<b>On Some New Fixed Point Results in Complete Extended b-Metric Spaces</b> <i>Qanita Kiran Nayab Nabil Maiki Hassen Aydi</i> <i>Mathematics</i> , Volume: 7, Issue: 5, Article Number: 476 <b>Impact Factor:</b> 1.747   <b>Quartile:</b> 1   <b>Citations:</b> 19 <b>DOI:</b> 10.3390/math7050476	2019
<b>A Mizoguchi-Takahashi Type Fixed Point Theorem in Complete Extended b-Metric Spaces</b> <i>Nayab Alamgir Qanita Kiran Hassen Aydi Aiman Mukheimer</i> <i>Mathematics</i> , Volume: 7, Issue: 5, Article Number 478 <b>Impact Factor:</b> 1.747   <b>Quartile:</b> 1   <b>Citations:</b> 19 <b>DOI:</b> 10.3390/math7050478	2019
<b>SOME COINCIDENCE POINT THEOREMS FOR SEMI-NONSELF HYBRID PAIR WITH ERROR ESTIMATES OF f-PICARD SEQUENCES</b> <i>Muhammad Usman Ali Tayyab Kamran Qanita Kiran</i> <i>University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics</i> , NULL <b>Impact Factor:</b> 0.478   <b>Quartile:</b> 4 <b>DOI:</b> <a href="https://www.scientificbulletin.upb.ro/index.php">https://www.scientificbulletin.upb.ro/index.php</a>	2018
<b>Multivalued <math>\phi</math> Contractions and Fixed Point Theorems</b> <i>Qanita Kiran Maria Samreen Khansa Waheed</i> <i>Filomat</i> , Volume 32, Issue 4, Pages 1209-1220 <b>Impact Factor:</b> 0.789   <b>Quartile:</b> 2   <b>Citations:</b> 4 <b>DOI:</b> 10.2298/FIL1804209S	2018
<b>Fixed point stability for <math>\alpha</math>-<math>\psi</math> - contraction mappings</b> <i>Qanita Kiran Muhammad Usman Ali</i> <i>University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics</i> , Volume 79, Issue 1 <b>Impact Factor:</b> 0.461   <b>Quartile:</b> 4 <b>DOI:</b> <a href="https://www.semanticscholar.org/paper/FIXED-POINT-STABILITY-FOR-CONTRACTION-MAPPINGS-Ali-Kiran/ab9c73176bb9991c21a418a5acac886f3bd32896">https://www.semanticscholar.org/paper/FIXED-POINT-STABILITY-FOR-CONTRACTION-MAPPINGS-Ali-Kiran/ab9c73176bb9991c21a418a5acac886f3bd32896</a>	2017
<b>Feng and LIU Type F-Contraction in B-Metric Spaces with AN Application to Integral Equations</b> <i>Tayyab Kamran Mihai Postolache Muhammad Usman Ali Qanita Kiran</i> <i>Journal of Mathematical Analysis</i> , Volume: 7 Issue: 5 Pages: 18-27 <b>Impact Factor:</b> 0 <b>DOI:</b> -	2016
<b>Fixed Point Theorems for Integral Type Contraction on Spaces with two Metrics</b> <i>Qanita Kiran Akhtar Munir Khan Wali Khan Mashwani</i> <i>Science International-Lahore</i> , Volume 28, Number 3, Pages 2411-2016 <b>Impact Factor:</b> 0 <b>DOI:</b> <a href="https://www.researchgate.net/publication/304098987_FIXED_POINT_THEOREMS_FOR_INTEGRAL_TYPE_CONTRACTION_ON_SPACES_WITH_TWO_">https://www.researchgate.net/publication/304098987_FIXED_POINT_THEOREMS_FOR_INTEGRAL_TYPE_CONTRACTION_ON_SPACES_WITH_TWO_</a>	2016

- Generalized twisted for  $(\alpha, \beta, \psi)$ --contractive mappings of integral type on spaces with two metrics** 2016  
 Quanita Kiran Akhtar Munir Khan Fida Muhammad Khan  
*Applied Mathematical Sciences*, Volume 10, Issue 16, Pages 773 - 786  
**Impact Factor:** 0  
**DOI:** <http://dx.doi.org/10.12988/ams.2016.511688>
- Implicit type fixed point theorems for bounded multimaps** 2016  
 Quanita Kiran Muhammad Usman Ali Tayyab Kamran  
*University Politehnica of Bucharest Scientific Bulletin-Series A Applied Mathematics and Physics*, Volume 78, Issue 3, Pages 242-253  
**Impact Factor:** 0.279 | **Quartile:** 4  
**DOI:** [https://www.researchgate.net/publication/309921983\\_Implicit\\_type\\_fixed\\_point\\_theorems\\_for\\_bounded\\_multimaps](https://www.researchgate.net/publication/309921983_Implicit_type_fixed_point_theorems_for_bounded_multimaps)
- Existence of best proximity points for controlled proximal contraction** 2015  
 Quanita Kiran Muhammad Usman Ali Tayyab Kamran Erdal Karapinar  
*Fixed Point Theory and Applications*, Volume 2015, Article Number 207  
**Impact Factor:** N/A | **Citations:** 6  
**DOI:** 10.1186/s13663-015-0455-6
- Fixed point theorems for set valued Caristi type contractions on gauge spaces** 2015  
 Quanita Kiran Muhammad Usman Ali Tayyab Kamran  
*Communications in Optimization Theory*, -  
**Impact Factor:** 0  
**DOI:** <http://scik.org/>
- Generalization of Mizoguchi-Takahashi Type contraction and related fixed point theorems** 2014  
 Quanita Kiran Muhammad Usman Ali Tayyab Kamran  
*Journal of Inequalities and Applications*, Article Number: 458  
**Impact Factor:** 0.773 | **Quartile:** 2 | **Citations:** 4  
**DOI:** 10.1186/1029-242X-2014-458
- Fixed point theorems for phi-contractions** 2014  
 Quanita Kiran Maria Samreen Tayyab Kamran  
*Journal of Inequalities and applications*, Article Number 266  
**Impact Factor:** 0.773 | **Quartile:** 2 | **Citations:** 8  
**DOI:** 10.1186/1029-242X-2014-266
- Fixed Point Theorems for Multivalued Mappings Involving alpha-Function** 2014  
 Quanita Kiran Muhammad Usman Ali Naseer Shahzad  
*Abstract and Applied Analysis*, Volume 2014, Article ID 409467, 6 pages  
**Impact Factor:** N/A | **Citations:** 14  
**DOI:** 10.1155/2014/409467
- Fixed point Theorem for  $(\alpha, \psi, \phi)$ -contractive mappings on spaces with two metrics** 2014  
 Muhammad Usman Ali Tayyab Kamran Quanita Kiran  
*Journal of Advanced Mathematical Studies*, Volume 7, Number 2  
**Impact Factor:** 0  
**DOI:** [https://www.journal.fairpartners.ro/volume-72014-no-2\\_8.html](https://www.journal.fairpartners.ro/volume-72014-no-2_8.html)
- Fixed point theorems for multi-valued mappings obtained by altering distances** 2011  
 Tayyab Kamran Quanita Kiran  
*Mathematical and Computer Modelling*, Volume: 54 Issue: 11-12 Pages: 2772-2777  
**Impact Factor:** 1.346 | **Quartile:** 1 | **Citations:** 33  
**DOI:** 10.1016/j.mcm.2011.06.065
- Coincidence and Fixed Points for Hybrid Tangential Maps** 2010  
 Tayyab Kamran Quanita Kiran  
*Georgian Mathematical Journal*, Volume: 17 Issue: 2 Pages: 273-285  
**Impact Factor:** 0.411 | **Quartile:** 4  
**DOI:** 10.1515/GMJ.2010.013
- Fixed Point and Homotopy Results for Generalized Contractions on Spaces with Two Metrics** 2010  
 Quanita Kiran Tayyab Kamran  
*Demonstratio Mathematica*, Vol. XLIII, No. 1, Pages 151-160  
**Impact Factor:** 0

DOI: <https://doi.org/10.1515/dema-2010-0115>

### Generalized Contractions on Spaces with Two Metrics

2009

Quanita Kiran

*International Journal of Mathematical Analysis*, Volume 3, Number 38, Pages 1859-1865

Impact Factor: 0

DOI: [https://www.researchgate.net/publication/267000272\\_Generalized\\_contractions\\_on\\_spaces\\_with\\_two\\_metrics](https://www.researchgate.net/publication/267000272_Generalized_contractions_on_spaces_with_two_metrics)

### Nadler's type principle with high order of convergence

2008

Quanita Kiran Tayyab Kamran

*Nonlinear Analysis Theory Method and analysis*, Volume: 69 Issue: 11 Pages: 4106-4120

Impact Factor: 1.295 | Quartile: 1 | Citations: 18

DOI: 10.1016/j.na.2007.10.041

## Conference Proceedings

### Kannan's and Chatterjee type fixed point theorem in intuitionistic Fuzzy metric space

2018

Quanita Kiran Hajira Khatoon

*ICNAAM 2018*, res.country(88,)

Citations: N/A

DOI: 10.1063/1.5114175

## Book Chapters

### Surface water pollution monitoring using the Internet of Things (IoT) and machine learning

2020

Hamza Khurshid Rafia Mumtaz Noor Alvi Faisal Shafait Sheraz Ahmed Muhammad Imran Malik Andreas Dengel Quanita Kiran

In: *Book on AI for Emerging Verticals Human-Robot Computing, Sensing and Networking*, Chapter 17, Pages 337-351

Citations: N/A

DOI: <https://shop.theiet.org/ai-for-emerging-verticals>

## Editorial Activities

2019

Reviewed Papers for Journals

Impact Factor: 3.745