

**KANZUL FATHIMA K.S**

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**Permanent Address:**

8, Kajamalai Dharga Road,  
Kajamalai  
Trichy- 620023.

**Office Address**

Jamal Mohamed College (Autonomous)  
Race Course Road, TVS Tollgate  
Trichy – 620 020.

**EDUCATIONAL QUALIFICATIONS:**

**STATE ELIGIBILITY TEST (SET)**

Passed SET Examination in 2012.

**DOCTOR OF PHILOSOPHY (FULL TIME)**

2014-2018

Jamal Mohamed College (Autonomous)

Trichy- 620020.

**MASTER OF PHILOSOPHY**

2012-2013

Jamal Mohamed College (Autonomous)

Trichy- 620020.

90%

**MASTER OF SCIENCE**

2010-2012

Jamal Mohamed College (Autonomous)

Trichy- 620020.

93%

**BACHELOR OF SCIENCE**

2007-2010

Jamal Mohamed College (Autonomous)

Trichy- 620020.

94%

## PERSONAL PROFILE:

Father's Name : Shaik Abdul Khader K

Date of Birth: 08.03.1990

Gender: Female

Nationality: Indian

Religion: Muslim

Marital Status: married

Languages Known: Tamil and English

## Areas of Specialization:

- Graph Theory
- Fuzzy Graph Theory
- Algebra

## Achievements:

- **University III rank** in B.Sc.
- **University II rank** in M.Sc.

## Prizes and awards:

- Winner of **JAMAL MOHAMED GOLD MEDAL** in 2010
- First prize in "State level quiz competition" held on 17<sup>th</sup> February, Jamal Mohamed College, 2011.
- First prize in "State level quiz competition" held on 6<sup>th</sup> March Jamal Mohamed College, 2012.
- Awardee of **MAULANA AZAD NATIONAL FELLOWSHIP FOR MINORITY STUDENTS**

## Experiences:

- 5 years of experience in teaching (2016-21)

## CONFERENCE/ SEMINAR ATTENDED WITHOUT PRESENTING PAPERS:

- National Level Seminar on "Mathematics and Its Applications" in *Shrimathi Indira Gandhi College*, Trichy-620002, September 19, 2011.
- U.G.C Sponsored one day National Seminar on "Applications of Mathematics" in *Jamal Mohamed College*, Trichy-620020, 22<sup>nd</sup> February 2012.
- U.G.C Sponsored One day National Seminar on "Discrete Mathematics and its Applications" in *Jamal Mohamed College*, Trichy-620020, 9<sup>th</sup> March 2013.
- International conference on "*Mathematical Methods and Computation*" organized by PG and Research Department of Mathematics, *Jamal Mohamed College*, Trichy- 620020 on 13-14 January 2014.
- U.G.C Sponsored one day National Conference on "Graph Theory, Fuzzy Graph Theory and their applications" in *Jamal Mohamed College*, Trichy-620020, 10<sup>th</sup>& 11<sup>th</sup> February 2016.
- One day Workshop on "Algebra and Its Applications" organized by PG and Research Department of Mathematics, *Jamal Mohamed College*, Trichy on 28<sup>th</sup> September 2019.
- International Conference on "Mathematical Methods and Computation" organized by the P.G. & Research Department of Mathematics, *Jamal Mohamed College*, Trichy on 19<sup>th</sup> February 2020.
- International Conference on "Mathematical Methods and Computation" organized by the P.G. & Research Department of Mathematics, *Jamal Mohamed College*, Trichy on 20<sup>th</sup> and 21<sup>st</sup> February 2019
- Webinar on "*Patent filing and Prosecution*", *Kumaruguru College of Technology*, Coimbatore on 01.06.2020.

- Webinar on “*Contemporary Challenges and issues in intellectual property rights in academia and industries under covid-19*”, RMD Engineering College, Gummidipoondi taluk, Thiruvallur District on 06.06.2020.
- Webinar on “*Patent act, drafting, filing systems and challenges in india*”, RMD engineering college, Gummidipoondi taluk, thiruvallur district on 10.06.2020.
- Webinar on “*Data Driven Research in Mathematics and Statistics*”, Janardhan Rai nagar, Rajasthan Vidyapeeth, Deemed university on 27.06.2020
- Webinar on a “*Perspicacious View on Electronic Payments*”, The American college, Madurai on 03.07.2020.
- Online FDP on “*Pure and applied Mathematics*”, Jamal Mohamed College, Trichy, from 11.06.2020 to 17.06.2020.
- Online FDP on “*E-content Development*”, Jamal Mohamed College, Trichy from 30.06.2020 to 04.07.2020.
- FDP on “*Algebra and Analysis*”, Jamal Mohamed College, Trichy, on 28.09.2019.
- Online FDP on “*E-content Development*”, Jamal Mohamed College, Trichy from 30.06.2020 to 04.07.2020.
- 4 weeks Online FIP for “*Faculty in Universities/Colleges/Institutes of Higher education*”, The

*Teaching learning centre, Ramanujan College, University of Delhi* from 20.12.2021 to 19.01.2022.

- One week FDP on “*ICT Tools for E-content Development*”, Jamal Mohamed College, Trichy from 24.01.2022 to 29.01.2022.

#### NATIONAL/ INTERNATIONAL CONFERENCE

#### ATTENDED AND PRESENTING A PAPER:

- “***On Uniquely Fuzzy colorable Graphs***” in the UGC and RMS Sponsored National Conference on *Graph Theory and Operations Research* Organized by PG and Research Department of Mathematics, Holy Cross College (Autonomous), Trichy-02 on 3<sup>rd</sup> and 4<sup>th</sup> March 2012.
- “***On Solving Traffic light Problem using Fuzzy Coloring***” in the *International Conference on Mathematical Methods and Computation*” Organised by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Trichy-20 on 22<sup>nd</sup> & 23<sup>rd</sup> January 2015.
- “***Fuzzy Chromatic number of Different Types of Fuzzy Graph***”, in the *International Conference on Mathematical sciences* Organised by Sathyabama University, Chennai in association with University of Florida, USA & The Institute of Mathematical Sciences, Chennai, India during July 17<sup>th</sup> to 19<sup>th</sup>, 2014 .

#### PUBLICATIONS:

1. “***Fuzzy Chromatic number of Different Types of Fuzzy Graph***”, Proceeding of “*International Conference on Mathematical sciences*”, Elsevier Publication July 2014, 439-442.
2. “***On Solving Traffic light Problem using Fuzzy Coloring***”, proceeding of “*International Conference on Mathematical Methods and Computation*”, January 2015, 618-621.

3. ***“On Fuzzy Dominator Coloring in Fuzzy Graphs”***, *Applied Mathematical Sciences*, Vol-9, 2015, no 23, 1131-1137.
4. ***“A Study on Fuzzy Coloring in Fuzzy Graphs”***, *Advances in Fuzzy Mathematics*, Vol.10, No.2 (2015), 109-116”.
5. ***“Fuzzy Dominator Chromatic Number of Bipartite, Middle and Subdivision Fuzzy Graph”***, *International journal of Fuzzy Mathematics and Systems*, Vol. 5, No.1 (2015), 99-106.
6. ***“Fuzzy Chromatic Number of Middle, Subdivision and Total Fuzzy Graph”***, *International Journal of Mathematical Archive*, 6 (12), Dec 2015, 90-94.
7. ***“An Introduction to Fuzzy edge Coloring”***, *Journal of Advances in Mathematics*, Vol. 11, No. 10, Jan 2016, 5742-5748.
8. ***“Fuzzy Chromatic Number of Operations on Fuzzy Graphs”***, *Annals of Pure and Applied Mathematics*, Vol.11, No.1, Jan 2016, 93-98.