

## STAFF PROFILE (As on 05-04-2023)

**Dr. U. ABUTHAHIR M.Sc., M.Phil., B.Ed., PGDCA., Ph.D.**

Assistant Professor

PG and Research Department of Mathematics

Jamal Mohamed College (Autonomous),

Tiruchirappalli – 620 020.

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### CAREER OBJECTIVE

To pursue academic and personal excellence by striving hard to create a challenging and engaging learning environment.

### ACADEMIC RECORD

Course	Institution	Year of passing	Percentage of Marks
Ph.D. (Maths)	Jamal Mohamed College (Autonomous), (Bharathidasan University), Tiruchirappalli-20	2019	Commended
M.Phil. (Maths)	Jamal Mohamed College (Autonomous), (Bharathidasan University). Tiruchirappalli-20	2006	80
M.Sc. (Maths)	Jamal Mohamed College (Autonomous), (Bharathidasan University). Tiruchirappalli-20	2005	74
PGDCA	Annai Akilandeswari Educational Institution (Bharathidasan University). Tiruchirappalli	2009	72
B.Ed.	Sri Ranga Institutions of Education Technology Tamilnadu Teachers Education University Tiruchirappalli.	2011	72
B.Sc. (Maths)	Jamal Mohamed College (Autonomous), (Bharathidasan University). Tiruchirappalli-20	2003	59

### PROFESSIONAL STRENGTH

- Excellent interpersonal and language skills
- Innovative thinking
- Curriculum Development
- Inspiring Lecture
- Graduate Mentoring
- Extremely Organized, punctual, resourceful and a team player
- Ability to maintain a positive attitude.

## **WORKING EXPERIENCE**

1. Undergraduate : 15 years 7 Months
2. Postgraduate : 15 years 7 Months

## **Ph.D. Guideship**

- Received Ph.D. programme – Guide Recognition from Bharathidasan University on 19-09-2020.

## **ACADEMIC RESPONSIBILITIES**

- Member in charge of the Department (MID) – From June 2011 to April 2016.
- Organized a state level intercollegiate meet JAMATICS – 25-02-2016
- Organized a state level Quiz competition on 25-02-2015

## **ADMINISTRATIVE RESPONSIBILITIES**

- A member of Scholarships Monitoring Committee – From June 2014 to till date.
- A member of Sports Development Committee – From June 2018 to till date.
- Library in charge of Department of Mathematics from June 2022 to till date
- ERP in charge of Department of Mathematics from June 2022 to till date
- Tutor in charge of II BSc Mathematics from 2021-2024

## **NPTEL ONLINE COURSE**

- Completed an Online Course on “Graph Theory” through NPTEL in June 2020.

## **RESEARCH EXPERIENCE**

- Published nine research papers in reputed International/national Journals
- presented four papers in International/ National conferences
- At present two MPhil scholars are pursuing their project under my guidance
- Completed over 40 M.Sc., research projects under my guidance.

## **AREAS OF RESEARCH**

- Mathematical Modelling
- Time series Model
- Forecasting Model

## **COMPUTER SKILLS**

- Administrative packages such as MS word, excel and power point.

## **EXTRA CURRICULAR ACTIVITIES**

- Acted as a visiting faculty in Bharathidasan University, KAJAMALAI campus in Department of Computer Science from June 2019 to November 2019.
- Acted as a visiting faculty in Bharathidasan University, KAJAMALAI campus in CDAP center from 2016 to 2018 for BCA course.
- Acted as Vice President of Mathematics Association of our department from 2014 to 2016.
- As examination Coordinator for CIA test programme from 2013 to 2015.
- Executed COP programmes at commerce department of our college in 2015 to 2017.
- Handling Deeniyath classes for UG students of our college from 2008.
- Acted as a Tutor in charge for M.Sc., Maths during the academic year 2013 to 2015.
- Acted as a member of hospitality committee in various International / National conferences held in department of Mathematics from 2009.
- Acted as a staff in charge for circular maintenance for two years from 2015 to 2017.
- Acted as a library in charge for two years from 2012 to 2014.
- Acted as a staff in charge for Timetable allotment for four years from 2011 to 2015.
- Acted as a placement officer for three years from 2012 to 2015
- Handled Bridge Courses and Value-Added Courses for I UG and II UG classes of our college.
- Acted as a Resource Person and handled classes for UPSC and TNPSC at our college for four years from 2013 to 2018
- Acted as an External Examiner for the conduct of UG, PG and MPhil programmes in several institutions.
- Acting as a Member of JMC Alumni Association.

## **Research Publications in International/National Journals**

1. U. Abuthahir “Estimation of Error Using Various Measures Of Averages In Forecasting Problems” **Advances in Mathematics, Scientific Journal Vol. 9, No. 4, 1477 – 1486, July 2020.**
2. U. Abuthahir and S. Ismail Mohideen “ A Modified Method for Forecast Gross Domestic Capital of India Using Fuzzy Time Series” **Malaya journal of Matematik, Vol. 5, No.1, 663-667, Feb 2020.**
3. S. Ismail Mohideen and U. Abuthahir “Error Estimation Using Intuitionistic Fuzzy Linear Regression Analysis” **International Journal of Engineering Research and Application, Vol. 7, Issue 12, ( Part -7), pp.56-64, December 2017.**
4. S. Ismail Mohideen and U. Abuthahir “*Error Estimation Using Fuzzy Linear Regression Analysis*”, **International Journal of Fuzzy Mathematical Archive, Vol. 13, No. 1, PP 69-76, September 2017.**
5. S. Ismail Mohideen and U. Abuthahir “*Fuzzy Linear Regression to Overcome Assumption Violation Problems in Relationship between Rupee Exchange Rate and Gold Reserve with RBI*”, **International Journal of Fuzzy Mathematical Archive, Vol.11, No.1, PP 17-23, August 2016.**
6. S. Ismail Mohideen and U. Abuthahir “*Algebraic Functions to Counter Improper Model Specification and Assumption Violation Problems*”, **Bulletin of Pure and Applied Sciences, Vol.35E, No 1, PP 13-18, May 2016.**
7. S. Ismail Mohideen and U. Abuthahir “*Determination of root mean square error using different mean techniques*”, **Jamal academic Research Journal: An Interdisciplinary, Jan 23, 2015.**
8. S. Ismail Mohideen and U. Abuthahir “*A modified method for forecasting problems based on higher order fuzzy logical relationship*”, **Advances in Fuzzy Sets and Systems, Vol 19, No 1, PP 45-61, December 2014.**
9. S. Ismail Mohideen and U. Abuthahir “An Overview of Stochastic Assumption Violation Problems in Econometric Models” in the 2<sup>nd</sup> International Conference on Stochastic Modelling and Simulation-2012 Proceedings, held at Vel Tech Technical University, Avadi, Chennai-62, Tamil Nadu, India during 17-19 December 2012.

### Paper Presented in International/National Conferences

1. Presented a paper titled **“Determination of root mean square error using different mean techniques”** in the “International Conference Mathematical Methods and Computation (ICOMAC 2015)” organized by PG and Research Department of Mathematics, Jamal Mohamed College on 22<sup>nd</sup> and 23<sup>rd</sup> January 2015.
2. Presented a paper titled **“Forecasting power of high order fuzzy logical relationships applied to futures prices of gold”** in the U.G.C. sponsored National Conference on **Fuzzy logic and its applications to computer science**, held in Baselios Poulouse II Catholicos College, Kerala, during Feb. 20 – 22, 2014.
3. Presented a paper titled **“An Overview of Stochastic Assumption Violation Problems in Econometric Models”** in the 2<sup>nd</sup> **ICSMS-2012** held at Vel Tech Technical University, Avadi, Chennai-62, Tamil Nadu, India during 17-19 Dec 2012.
4. Presented a paper titled **“Epidemic Model for Malaria disease”** one day National Level Seminar conducted by Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, on 19<sup>th</sup> March 2010.

### Seminar / Conference / Workshop attended without paper presenting

1. Participated in International Workshop on **“Python Programming”** organized by the PG and Research Department of Mathematics, Jamal Mohamed College On 18<sup>th</sup> February 2020.
2. Executive Committee Member in the **“International Conference Mathematical Methods and Computation (ICOMAC 2020)”** organized by the PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli, on 19<sup>th</sup> February 2020.
3. Participated in **“UGC CPE Sponsored Two-Day Workshop on Professional Development for Academic Leadership in Curriculum Design”** organized by Curriculum Development Cell, Jamal Mohamed College on 18<sup>th</sup> and 19<sup>th</sup> January 2019.

4. Executive Committee Member in the “**International Conference Mathematical Methods and Computation (ICOMAC 2019)**” organized by PG and Research Department of Mathematics, Jamal Mohamed College on 20<sup>th</sup> and 21<sup>st</sup> February 2019.
5. Participated in the three-day NLP-Based Faculty Empowerment Programme, Organized by the Internal Quality Assurance Cell, Jamal Mohamed College on 17<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup> June 2017.
6. Participated in a one day National Workshop on “Statistics and Numerical Methods” organized by Department of Science and Humanities, M. Kumarasamy College of Engineering, Karur on 29<sup>th</sup> January 2016.
7. Participated in the “**National Conference on Graph Theory, Fuzzy Graph Theory and their Applications**” organized by PG and Research Department of Mathematics, Jamal Mohamed College on 10<sup>th</sup> and 11<sup>th</sup> February 2016.
8. Attended in the one week TEQIP II Sponsored Faculty Development Programme on “**Emerging Trends In Mathematical Modelling and Simulation (ETMMS’15)**” organized by the Department of Mathematics, Anna University, Bharathidasan Institute of technology, Tiruchirappalli from 8<sup>th</sup> - 14<sup>th</sup> May 2015.
9. Participated in the “**International Conference Mathematical Methods and Computation (ICOMAC 2014)**” organized by the PG and Research Department of Mathematics, Jamal Mohamed College on 13<sup>th</sup> and 14<sup>th</sup> February 2014.
10. Participated in a four-day workshop on “**LATEX and SPSS**” organized by PG and Research Department of Mathematics, Jamal Mohamed College on 26<sup>th</sup>, 29<sup>th</sup>, 30<sup>th</sup> September and 1<sup>st</sup> October 2014.
11. Participated in one day National Seminar on “**Discrete Mathematics and Its Applications**” organized by PG and Research Department of Mathematics, Jamal Mohamed College on 9<sup>th</sup> March 2013.
12. Participated in one day National Seminar on “**Applications of Mathematics**” organized by PG and Research Department of Mathematics, Jamal Mohamed College on 22<sup>nd</sup> February 2012.

13. Participated in the International Conference on **“Mathematics and Its Applications”** organized by Department of Mathematics, Islamiah College, Vaniyambadi on 29<sup>th</sup> August 2012.
14. Participated in Diamond Jubilee Celebrations Workshop on **“Mathematical Modeling”** conducted by Department of Mathematics, Jamal Mohamed College, Trichy, from January 19<sup>th</sup> to 25<sup>th</sup> 2011.
15. Participated in State Level Seminar on **“Creating Competitiveness to excel in higher education – A TQM approach”** organized by Internal Quality Assurance Cell, Jamal Mohamed College, Trichy-20 conducted on 8<sup>th</sup> December 2010.
16. Participated in National Level Seminar on **“Quality Enhancement in Teaching, Research and Extension in Higher Education Institutions – Prospects and Problems”** organized by the Internal Quality Assurance Cell, Jamal Mohamed College, Trichy-20 conducted on 15<sup>th</sup> and 16<sup>th</sup> April 2010.
17. Participated in International Conference on **“Mathematical Methods and Computation”** Department of Mathematics, Jamal Mohamed College Conducted on 24<sup>th</sup> and 25<sup>th</sup> July 2009.

#### **Webinar Attended**

1. Participated in a National Level Webinar on **“Challenges and Opportunities for Future Faculty”** organized by J.K.K. Munirajah College of Technology Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai on 12-06-2020.
2. Participated in a National Level Webinar on **“Joy of Orderly Living”** organized by Department of Commerce, Kaamadhenu Arts and Science College, Coimbatore, 05.05.2020.
3. Participated in a National Level Webinar on **“Introduction to Graph from Algebraic Structure”** organized by PG Department of Mathematics, G.T.N. Arts College (Autonomous), Dindigul on 22.05.2020.
4. Participated in the Webinar on **“Key Issus in Research Methodology”** organized PG Department of Mathematics, G.T.N. Arts College (Autonomous), Dindigul on 03.06.2020.

5. Participated in the Webinar on **“Qualitative Analysis of Differential Equations and its Applications”** organized by PG Department of Mathematics, G.T.N. Arts College (Autonomous), Dindigul on 21.06.2020.
6. participated in the Webinar on **“Quality Metrics in Higher Education”** organized by The Internal Quality Assurance Cell, Sadakathullah Appa College (Autonomous), on 21st May 2020.

### **Faculty Development Programme**

1. Participated in a Five Day Online International Faculty Development Programme on **“Recent Trends in Applied Mathematics”** organized by the Department of Mathematics at SNS College of Technology, Coimbatore, held from 02.06.2020 to 06.06.2020.
2. Participated in a three Day Online International Faculty Development Programme on **“Descriptive Statistics Through R-Programming”** organized by the Department of Mathematics KPR Institute of Engineering and Technology, Coimbatore from 26.05.2020 to 28.05.2020.
3. Online Two-week Refresher Course in **“Mathematical Sciences”** Teaching Learning Centre, Ramanujan College, University of Delhi, from 28<sup>th</sup> January 2023 to 11<sup>th</sup> February 2023.
4. One week FDP on **“Data Analytics and Mathematical Software Tools”** Teaching Learning Centre, Ramanujan College, University of Delhi, from 25-02-2022 to 03-03-2022.
5. 4-week online Orientation Programme for **“Faculty in Universities/College/Institutions of Higher Education”** Teaching Learning Centre, Ramanujan College, University of Delhi, from 17<sup>th</sup> September 2021 to 16<sup>th</sup> October 2021.



## PERSONAL PROFILE

Date of Birth : 03.11.1982  
Gender : Male  
Father's Name : A. Usman Ali  
Marital Status : Married  
Nationality : Indian  
Religion : Islam-Muslim  
Language Known : Tamil, English  
Communication Address : No: 25, PTC Street, Khajamalai, Trichy-23.  
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