

**Jamal Mohamed College (Autonomous),
Tiruchirappalli – 20
Resume (as on 15.09.2023)
PG and Research Department of Mathematics**

1. Name : B. SHAFINA BANU
2. Sex : Female
3. Designation : Assistant Professor
4. Address :

Residence

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

5. Educational qualifications:

Examination Passed	Year
B.Sc.	2007
M.Sc.	2009
M.Phil.	2010

6. Experience:

Under graduate : 13 years 4 months
Post graduate : 13 years 4 months

7. Languages known : Tamil, English

8. Areas of Specialization : Fixed Point Theory in Fuzzy Metric Space

9. Subjects Taught:

Under Graduate : Algebra, Sequences and Series, C Programming, Matlab.
Post Graduate : Algebra, Fuzzy Sets and Their Applications, Topology.

10. Seminars/ Conferences / Workshops Attended:

1. One day National level seminar on “ Graph Theory, Algorithms and Modelling(GAM-2010)” under UGC Autonomous grant organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, held at 19.03.2010.

2. Seminar on “Creating Competitiveness to excel in higher education – a TQM approach” organized by IQAC, Jamal Mohamed College(Autonomous), Trichy, on 08.12.2010.

3. Workshop on “Mathematical Modeling” organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, from 19.01.2011 to 25.01.2011.

4. UGC Sponsored one day National Seminar on “Applications of Mathematics” organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, on 22.02.2012.
5. UGC Sponsored National Seminar on “Examination Reforms” organized by Jamal Mohamed College(Autonomous), Trichy, on 24.02.2012.
6. One day seminar on “Teaching, Learning and Research in higher education – Excellence and beyond Excellence” organized by IQAC, Jamal Mohamed College(Autonomous), Trichy, on 07.03.2012.
7. UGC Sponsored one day National Seminar on “Discrete Mathematics and its applications” organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, on 09.03.2013.
8. International Conference on “Mathematical Methods and Computation(ICOMAC 2014)” organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, on 13.02.2014 & 14.02.2014.
9. UGC and RMS Sponsored National Conference on “Graph Theory and Operations Research” organized by PG & Research Department of Mathematics, Holy Cross College(Autonomous), Trichy, on 03.03.2014 & 04.03.2014.
10. A four day Workshop on “Latex and SPSS” organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, from 22.09.2014 to 25.09.2014.
11. International Conference on “Mathematical Methods and Computation(ICOMAC 2015)” organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, on 22.01.2015 & 23.01.2015.
12. UGC Sponsored National Conference on “Graph Theory, Fuzzy Graph Theory and their Applications” organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, on 10.02.2016 & 11.02.2016.
13. One day Workshop on “The Role of a Teacher in the Present Scenario” organized by IQAC, Jamal Mohamed College(Autonomous), Trichy, on 03.12.2016.
14. One day “RRC Programme Officers Meet” organized by the RRC Cell of Bharathidasan University, Trichy and Tamil Nadu State AIDS Control Society(TANSACS), Chennai, on 08.02.2018 at Bharathidasan University.
15. UGC CPE Sponsored two day Workshop on “Professional Development for Academic Leadership in Curriculum Design” organized by Curriculum Development Cell, Jamal Mohamed College(Autonomous), Trichy, on 18.01.2019 & 19.01.2019.

16. One day Workshop on “Algebra and Its Applications” organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, on 28.09.2019.
17. Special Lecture on “Intellectual Property Rights and Prior Art Search for Research Development” organized by the Intellectual Property Rights Cell of Jamal Mohamed College(Autonomous), Trichy, on 05.02.2020.
18. International Workshop on “Python Programming” organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, on 18.02.2020.
19. International Conference on “Mathematical Methods and Computation(ICOMAC 2020)” organized by PG & Research Department of Mathematics,Jamal Mohamed College(Autonomous), Trichy, on 19.02.2020.
20. Two day online workshop on “Basics of MATLAB and its Engineering Applications” organized by Department of Mechanical Engineering, PES’s Modern College of Engineering, Pune, on 21.05.20 & 22.05.20.
21. International webinar on “Effective usage of ICT Tools for Higher Education” organized by Servite Arts and Science college for women, Karur, on 03.06.2020.
22. Online workshop on “Mathematical Analysis (MATANA 2020)” organized by PG & Research Department of Mathematics, Loyola College(Autonomous), Chennai, from 08.06.2020 to 13.06.2020.
23. Online webinar on “Optimization Models using Fuzzy Numbers” organized by PG & Research Department of Mathematics, Holy Cross College(Autonomous), Trichy, on 30.06.2020.
24. Online webinar on “National Education Policy-2020” organized by IQAC, Jamal Mohamed College(Autonomous), Trichy, on 08.08.2020.
25. International Seminar on “Present Trends in Applications of Mathematics” organized by PG & Research Department of Mathematics, Holy Cross College(Autonomous), Trichy, on 16.11.2020 & 17.11.2020.
26. National level e-Workshop on “SAGEMATH” organized by the Department of Mathematics, ThassimBeevi Abdul Kader College for Women, Kilakarai, held from 22.07.2021 to 24.07.2021.
27. One day Workshop on “Astronomy” organized by PG & Research Department of Mathematics(Under DBT Star College Scheme), Jamal Mohamed College(Autonomous), Trichy, on 31.08.2021.
28. Two days Virtual Lecture Workshop on “Differential Equations and its Application” organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, on 21.12.2021 & 22.12.2021.

29. International Conference on “Present Trends in Applications of Mathematics” organized by PG & Research Department of Mathematics, Holy Cross College(Autonomous), Trichy, on 19.04.2022&20.04.2022.

30. International workshop on “Big Data Analytics using distributed computing”, Jamal Mohamed College, Trichy on 23.12.2022.

31. National Science Academies Lecture workshop on “Differential Equations and their Applications in Mathematical modeling”, Jamal Mohamed College, Trichy on 06.01.2023 & 07.01.2023.

11. Faculty Development Programme

1. Three day “NLP-Based Faculty Empowerment Programme” organized by IQAC, Jamal Mohamed College(Autonomous), Trichy, on 17.06.2017, 19.06.2017 & 20.06.2017.

2. “Staff Enrichment Programme on Ownership Culture” organized by IQAC, Jamal Mohamed College(Autonomous), Trichy, on 14.06.2019.

3. Online Faculty Development Programme in the Data Science using R and Geo Gebra organized by PG & Research Department of Mathematics(Under DBT star college scheme),Jamal Mohamed College(Autonomous), Trichy in association with Spoken Tutorial Project, IIT Bombay, MHRD, Govt. of India from 11.05.2020 to 14.05.2020.

4. Online FDP in the “Pure and Applied Mathematics” organized by PG & Research Department of Mathematics(Under DBT star college scheme), Jamal Mohamed College(Autonomous), Trichy, from 11.06.2020 to 17.06.2020.

5. Online FDP on “E-Content Development” organized by IQAC, Jamal Mohamed College(Autonomous), Trichy, from 30.06.2020 to 04.07.2020.

6. Online Faculty Improvement Programme in the “Advances in Linear Algebra and Differential Equations” organized by PG & Research Department of Mathematics(Under DBT star college scheme), Jamal Mohamed College(Autonomous), Trichy, from 09.07.2020 to 10.07.2020.

7. Faculty Enrichment Programme on “Art of Writing in Indexed Journal Publications” organized by the Department of Library in association with IQAC, Jamal Mohamed College(Autonomous), Trichy, on 28.07.2021.

8. Orientation Programme on “Free E-Resources” organized by the Department of Library in association with IQAC, Jamal Mohamed College(Autonomous), Trichy, on 29.07.2021.

9. Five days Online International FDP on “New Epoch in Software Learning” organized by PG & Research Department of Mathematics, Holy Cross College(Autonomous), Trichy, held on 16.08.21 to 20.08.21.

10. Four week Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” organized by Teaching Learning Centre, Ramanujan College, University of Delhi, from 20.12.2021 to 19.01.2022.

11. One week Faculty Development Programme on “ICT Tools for E-Content Development” organized by PG & Research Department of Mathematics(under DBT Star College Scheme) & IQAC, Jamal Mohamed College(Autonomous), Trichy, from 24.01.2022 to 29.01.2022.

12. Swayam Course

NPTEL online Certification course on “Enhancing Softskills and Personality” held on Feb-Apr 2020 (8 weeks course).

13.List of Papers presented in National and International Conferences

1. Presented a paper entitled “ Fixed Point Theorems for Z-Contraction in Strong Fuzzy Metric Space using Fuzzy Simulation Function” in the International Conference on “Mathematical Methods and Computation(ICOMAC 2020)” organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, on 19.02.2020.

2. Presented a paper entitled “Some Properties of Fixed Point Theorem using Fuzzy C-Class Function” in the International Seminar on “Present Trends in Applications of Mathematics” organized by PG & Research Department of Mathematics, Holy Cross College(Autonomous), Trichy, on 16.11.2020 & 17.11.2020.

3. Presented a paper entitled “Fixed Point & Common Fixed Point Theorems on fuzzy semi-norm” in the International Conference on “Pure and Applied Mathematics-ICOPAM 2022” organized by PG & Research Department of Mathematics, TBML College, Porayar, association with Kerala Mathematical Association on 24.03.2022&25.03.2022.

4. Presented a paper entitled “Fixed Point Results on Derived Fuzzy norm using fuzzy 2-normed space” in the International Conference on “The Application of Science and Mathematics 2022” organized by Faculty of Applied Science and Technology, Universiti Tun Hussein Onn, Malaysia, on 17.10.2022 – 19.10.2022.

5. Presented a paper entitled “ Fixed Point Theorems on complete Fuzzy Quasi-Metric Space using weak contraction Function” in the International Conference on “Mathematical Methods and Computation(ICOMAC 2022)” organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Trichy, on 21.12.2022 & 22.12.2022.

14.List of Publications in National and International Journals

1. Nagoor Gani. A, Shafina Banu. B and Muruganatham. P, Some Properties of Fixed Point Theorem using Fuzzy C-Class Function, “Kala Sarovar UGC Care Group I Journal”, ISSN 0975-4520, Vol. 23, No.04(VI), October-December 2020.

2. Nagoor Gani. A, Muruganatham. P and Shafina Banu. B, Fixed Point Theorems for Z-Contraction in Strong Fuzzy Metric Space using Fuzzy Simulation Function, “Advances and Applications in Mathematical Science”, Vol. 20, Issue 5 March 2021, Pages 865-873, Mili Pulications.

3. Nagoor Gani. A, Shafina Banu. B and Muruganatham. P, Fixed Point Results on Derived Fuzzy Norm using Fuzzy 2-Normed Space, “Springer Proceedings in Physics – Proceedings of the 8th International Conference on the Applications of Science and Applications, SCIEMATHIC 2022, 17 – 19 October 2022, Malaysia”, Vol. 294, Pages 71 – 77 published on 06.08.2023.

15. Details of Other Positions:

Staff Advisor, Red Ribbon Cross, Jamal Mohamed College(Autonomous),Trichy, 2015-2018.

Staff Advisor, Exnora, Jamal Mohamed College(Autonomous),Trichy, 2015-2016.

Staff Advisor, Water Club, Jamal Mohamed College(Autonomous),Trichy, 2017-2018.

Placement Officer, Department of Mathematics(SFW), Jamal Mohamed College(Autonomous),Trichy, 2020 to till.