

## RESUME (as on 31.05.2022)

1. **Name** : A. PRASANNA
2. **Date of Birth** : 12.07.1984
3. **Age** : 37 Years
4. **Religion** : Hindu
5. **Community** : BC – Vellala Gounder
6. **Nationality** : Indian
7. **Address** :



<b>Permanent:</b> 3/125 Gounder Street Pulivalam(Po),Musiri(Tk) Tiruchirappalli-620 020 Tamil Nadu, India. Email: apj_jmc@yahoo.co.in	<b>Residential:</b> 6/25, Loudu Samy Pillai Colony 4th Street Khajamalai Tiruchirappalli-620 023 Tamil Nadu, India. Email: ap@jmc.edu Mobile: +91-99761-62422
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### 8. Date of Entry in the Service :

College	From	To	Category
Jamal Mohamed College, Tiruchirappalli -620020	01.07.2007	31.01.2016	Self Finance
Jamal Mohamed College, Tiruchirappalli -620020	01.02.2016	Till date	Govt. Aided

### 9. Educational Qualifications:

Exam passed	College / University	Subjects	Year	Division / Grade
OSLC	Jamiul Firdhouse Hr. Sec. School, Trichy	State Board	1999	I
HSC	Jamiul Firdhouse Hr. Sec. School, Trichy	State Board	2001	I
B.Sc	Jamal Mohamed College, Trichy/ Bharathidasan University	Mathematics	2004	I
M.Sc	Jamal Mohamed College, Trichy/ Bharathidasan University	Mathematics	2006	I Class with Distinction
M.Phil	PRIDE/ Periyar University, Salem	Mathematics	2008	I
PGDCA	CCI, Trichy	--	2009	'A'
Ph.D.,	Jamal Mohamed College, Trichy/ Bharathidasan University	Mathematics	2015	Highly Commended

- Completed Swayam Online Course Certification (4 Credits) in Modern Algebra in 2019
- Completed the Online Course “ Let’s Break the Chain of COVID-19 Infection conducted by The Mohammed Bin Rashid University of Medicine and Health Sciences, UAE in 2020
- Completed the Online Course on Quantitative Aptitude conducted by PG & Research Department of Mathematics, Jamal Mohamed College, Trichy-20 in 2020

**10. Experience (As on 31.05.2022):** Undergraduate: 14 Years 10 Months  
Postgraduate: 14 Years 10 Months  
M.Phil: 06 Years 10 Months

**11. Areas of Specialization :** 1. Fuzzy Algebra  
2. Algebra  
3. Operations Research  
4. Mathematics of Finance  
5. Statistics

**12. Languages known :** Tamil, English and Arabic

**13. Subjects Taught:**

Undergraduate : 1. Operations Research  
2. Differential Equations  
3. Business Mathematics and Statistics

Postgraduate : 1. Algebra  
2. Mathematics of Finance

M.Phil : Analysis

**14. Research Experience**

Research Stage	Title of Work / Thesis	College/University where the work was carried out
M.Phil	Minimum Weight Spanning Tree Algorithms a Survey and Empirical Study	Jamal Mohamed College/ Periyar University, Salem
Ph.D.	Algebraic Properties on Bipolar Q-Fuzzy Regular Lattice, Q-Cyclic Fuzzy Group, Q-Fuzzy Ideal, Anti Q-Fuzzy Ideal and Q- Fuzzy dot d-Ideal	Jamal Mohamed College/ Bharathidasan University, Trichy

**Research Supervision:**

- M.Phil Bharathidasan University Guide-ship Recognition Ref. No.: 22952/ M.Phil/ RA/ Mathematics/2015 Dated 15.07.2015
- Ph.D Bharathidasan University Guide-ship Recognition Ref. No.: 33327/ Mathematics/ RA- Recogn./08.02.2017

Course	Pursing		Completed	
	Full time	Part time	Full time	Part time
M.Phil	-	1	15	6
Ph.D.	-	2	1	2

**Research Supervision: M.Phil. (Completed)**

S.No.	Name of the scholar	Reg. No.	Full Time / Part Time	Viva voce
1.	S.Selvam	15MPFMA007	Full Time	02.09.2016
2.	S.Swaminathan	15MPFMA011	Full Time	06.09.2016
3.	K.Jaibunisha	15MPFMA025	Full Time	08.09.2016
4.	T.Kalaivani	15MPFMA027	Full Time	15.09.2016
5.	Y.Prakash	16MPFMA007	Full Time	05.09.2017
6.	T.Rabeeh Ahamed	16MPFMA008	Full Time	06.09.2017
7.	M.Sabika Furvin	16MPFMA024	Full Time	08.09.2017
8.	R.Mithra	16MPFMA019	Full Time	09.09.2017
9.	A.Purushothaman	16MPPMA002	Part Time	12.03.2018
10.	R.Anitha	17MPFMA012	Full Time	04.09.2018
11.	B.R.Backia Lashmi	17MPFMA014	Full Time	05.09.2018
12.	J.Jayasri	17MPFMA020	Full Time	10.09.2018
13.	G.Chithra	17MPFMA015	Full Time	11.09.2018
14.	X.Francis	17MPPMA004	Part Time	26.06.2019`
15.	T.C.Mujeebrahuman	18MPFMA007	Full Time	06.09.2019
16.	T.Gayathri	18MPFMA013	Full Time	07.09.2019
17.	B.Karpagam	18MPPMA008	Part Time	03.10.2020
18.	M.Mubeen Tajudeen	19MPFMA002	Full Time	05.10.2020
19.	R.Menakagandhi	19MPPMA003	Part Time	07.01.2022
20.	M.Mohamed Raffick	20MPPMA007	Part Time	01.07.2022
21.	M.Kanagalakshmi	20MPPMA013	Part Time	04-.07.2022

**Research Supervision: Ph.D. (Completed)**

S.No.	Name of the scholar	Ref. No.	Title of the Thesis	Viva voce
1.	Mr. M.A. RIFAYATHALI	06989 / K1 / Ph.D / Dir / Maths / April 2015	CONTRIBUTIONS TO FUZZY COLORING AND FUZZY LABELING IN FUZZY GRAPHS	28th June 2019
2	Mr.C.GURUBARAN	6991 /Ph.D./Maths/P.T/April 2015	SOME CONTRIBUTIONS TO EQUITABLE DOMINATION IN FUZZY GRAPHS	26th September 2019
3	Mr.M. PREMKUMAR	27385/ Ph.D/K1/Mat/ 2127385	ALGEBRAIC PROPERTIES ON FUZZY TRANSLATION, FUZZY MULTIPLICATION AND FUZZY NORMALIZATION IN FUZZY ALGEBRA	4 <sup>th</sup> March 2022

### Book Published:

- ❖ Business Mathematics and Statistics – Dr. Ismail Mohideen, A. Mohamed Ismayil and A. Prasanna-Raja Publication, Trichy, (Dec. 2013) ISBN:978-93- 80243-84-9.
- ❖  $\omega$ -Fuzzy Translation and Multiplication in BH-Algebras, A. Prasanna, M. Premkumar, S. Ismail Mohideen published as **Book Chapter** by BP International, West Bengal, India (Manuscript No.. 2022/BP/ 6131F)

### Patent:

- ❖ Machine Learning Analytics for Specialized Stock Trading (Application No. 202211002430) Publication Date: 28.01.2022

### Publications

1. A.Prasanna, R.Periasamy and R.Prakash“The Insurance Schemes Calculations – a View” in the Proceeding of the **National Conference** on Management in the Age of Innovation at Jamal Institute of Management (ISBN No. 978 – 81- 909104 – 0- 8), Jamal Mohamed College, Tiruchirappalli, on 25<sup>th</sup> January, 2011.
2. A.Prasanna, J.R. Karthikeyan and G.Praburaj“ Interest Calculation in the Investment – A View” in the Proceeding of the **National Conference** on Management in the Age of Innovation at Jamal Institute of Management (ISBN No. 978 – 81- 909104 – 0- 8), Jamal Mohamed College, Tiruchirappalli, on 25<sup>th</sup> January, 2011.
3. R.Sivanesan, S.Ismail Mohideen, A.Prasanna and S.Masoothu, Analysis of diabetics using R- software, Elixir **International Journal**, 37A (2011) 4141-4142.
4. A.Solairaju and A.Prasanna, Primary Decomposition of Fuzzy Dot Ideals in d-Algebra, **International Journal** of Mathematical Sciences and Applications, Vol. 1, No.2 (May 2011), 671 – 677.
5. A.Solairaju and A.Prasanna, New Structure of Fuzzy Fully Invariant Bipolar Q-Fuzzy Regular Lattices **International Journal** Of Computer Applications (0975 – 8887) Volume 18– No.3, March 2011.
6. A.Solairaju, R.Nagarajan and A.Prasanna, Fuzzy Dot Algebras Over Fuzzy Dot Fields, Global Journal of Mathematical Sciences: Theory & Practical (GJMS), an **International Journal** VOL.4, NO.1 (2012), 57-61
7. A.Solairaju, R.Nagarajan and A.Prasanna, Enumerations of Maximal Chain and Flags Intems of Finite Abelian Groups, Antarctica Journal of Mathematics, 9(4) (2012),331-341.
8. A.Solairaju, R.Nagarajan and A.Prasanna, Some Algebraic Properties of BCK – Algebra's and Fuzzy S-Semi Groups, Antarctica Journal of Mathematics, 9(4) (2012), 343-350.

9. A.Solairaju, R.Nagarajan and A.Prasanna, Some Structure Properties of Q-Cyclic Fuzzy Group Family, *Antarctica Journal of Mathematics*, 9(4) (2012), 351- 358.
10. A.Abdulsalam and A.Prasanna, The Practical Application of Cryptography by Using Matrices in Image Identification and Road Mapping” in the proceeding of the **International Conference** on Mathematics A Global Scenario (**National Mathematics Year 2012**) at D-G Vaishav College Chennai on 13, 14. 12.12.
11. A.Abdulsalam and A.Prasanna “Description of Road map by two different persons using matrix” in the proceeding of the One day **International Conference** on Recent Trends in Discrete Mathematics and its applications to science and Engineering at Periyar Maniammai University on 03.12.2013.
12. A.Solairaju and A.Prasanna, Homomorphism in Intuitionistic QL fuzzy subhemiring of a hemiring, *Advances in Fuzzy Mathematics*, 9(1) (2014), 1-5.
13. A.Prasanna, S.Ismail Mohideen and K.Rajasekar, Matrix based cryptography VB.Net approach, **International Research Journal** of Mathematics, Engineering and IT, Volume-2, Issue-7 (July 2015), IF-2.868, ISSN (2349-0322).
14. T. Kalaivani, A. Prasanna, S.Ismail Mohideen, A. Solairaju, Intuitionistic Fuzzy B-Ideal on B-Algebras, **International Research Journal** of Mathematics, Engineering and IT, Volume-2, Issue-12 (December 2015), IF-2.868, ISSN (2349-0322).
15. A. Prasanna, S.Ismail Mohideen, A. Solairaju and K. Jaibunisha, Homomorphism and Cartesian Product of Anti Q-Fuzzy BG-Ideals in BG-Algebra, **International Research Journal** of Mathematics, Engineering and IT, Vol. 3, Issue 1, Jan 2016, PP: 9-21
16. A.Prasanna, M.A. Rifayathali and S.Ismail Mohideen, Strong Intuitionistic Fuzzy Graph Coloring, **International Journal** of Latest Engineering Research and Applications (IJLERA), ISSN: 2455-7137, Volume – 02, Issue – 08, August – 2017, PP – 163-169.
17. A. Prasanna, M. Premkumar and T. Kalaivani, Anti Fuzzy d – Ideals in d – Algebra, **Indian Journal of Scientific Research** (JSR)-Volume 17 Issue 1-2017, ISSN [ONLINE] : 2250-0138,PP 152-155.
18. A.Prasanna, M.A.Rifayathali and S. Ismail Mohideen, Hesitancy Fuzzy Graph Coloring, **International Journal** of Fuzzy Mathematical Archive, Vol.14, No.2, 2017, PP:9-19
19. A.Prasanna, C.Gurubaran and S. Ismail Mohideen, Split and Non-Split Domination Number in Bipolar Fuzzy Graphs, *Annals of Pure and Applied Mathematics* (**International Research Journal**), Vol.15, No.1, 2017, 115-121
20. A.Prasanna, M.Premkumar and S. Ismail Mohideen, Normalization of Fuzzy BG-Ideals in BG-Algebra, **International Journal** of Mathematics Trends and Technology, Vol.53, No.4, January 2018, 270-276.
21. A.Prasanna, M.Premkumar and A.Solairaju, Normalization of Fuzzy B-Ideals in B-Algebra, **International Journal** of Mathematics Trends and Technology, Vol.53, No.4, January 2018, 277-283.

22. A.Prasanna, M.A. Rifayathali and S.Ismail Mohideen, Anti-Fuzzy Graph Coloring, **International Journal** for Science and Advance Research in Technology (IJSART), ISSN[online]: 2395-1052, Vol. 4, No. 4, April-2018, PP: 2598-2603.
23. A. Prasanna, M. Premkumar and Dr. S. Ismail Mohideen, Fuzzy Translation And Fuzzy Multiplication In B- Algebras, **IJSART** - Volume 4 Issue 4 – APRIL 2018, ISSN [ONLINE]: 2395-1052, PP 2898-2901.
24. A Prasanna, MPremkumar and A Renuga,  $p$ -Closed M-Sets in Multi-Set Topological Spaces, **IJSART**-Volume 4 Issue 5 – MAY 2018, ISSN [ONLINE]: 2395-1052, PP 699-708.
25. A. Prasanna, M. Premkumar and Hajee. Dr.S. Ismail Mohideen, Anti Q-Fuzzy B – Ideals in B – Algebra, **International Journal** of Mathematical Archive (IJMA)- Volume 9 Issue 6-June-2018, ISSN [ONLINE]: 2229 – 5046, PP 169-172.
26. C. Gurubaran, A. Prasanna, and A.Mohamed Ismayil, Paired Equitable Domination in Fuzzy Graphs, **International Journal** of Mathematical Archive-9(6), 2018, ISSN 2229 – 5046, pp:43-47.
27. C. Gurubaran, A. Prasanna and A. Mohamed Ismayil, 2 - Equitable Domination in Fuzzy Graphs, **International Journal** of Applied Engineering Research, Volume – 13, Issue – 16, June – 2018, PP – 12531 - 12535.
28. M.A. Rifayathali, A.Prasanna and S.Ismail Mohideen, Hesitancy Fuzzy Magic Labeling Graph, Journal of Analysis – **Springer**, July 2018, pp: 1-15.
29. C. Gurubaran, A. Prasanna, and S. Ismail Mohideen, Connected End Equitable Domination in Fuzzy Graphs, **International Journal** of Research in Advent Technology, Vol.6, No.7, July 2018, pp.1610-1614.
30. M.A. Rifayathali, A. Prasanna and S. Ismail Mohideen, Chromatic Excellence in Hesitancy Fuzzy Graphs, **International Journal** of Research in Advent Technology, Vol.6, No.8, August 2018 E-ISSN: 2321-9637.
31. A. Prasanna, M. Premkumar and S.IsmailMohideen, Anti Q- L-Fuzzy M-Subgroups , Journal of Applied Science and Computations (**JASC**)-Volume- 5 Issue 8-August 2018, ISSN [ONLINE]: 1076-5131, PP 1-18.
32. M.A. Rifayathali, A. Prasanna and S. Ismail Mohideen, Chromatic Excellence in Anti-Fuzzy Graphs, **JASC: Journal of Applied Science and Computations**, ISSN NO: 0076-5131, Vol. 5, Issue 7, pp: 305- 316 (2018).
33. A. Prasanna, M. Premkumar and S.IsmailMohideen, Some properties of Anti Q- L-Fuzzy Normal M-Subgroups, Journal of Applied Science and Computations (**JASC**)- Volume 5 Issue 8- August 2018, ISSN [ONLINE]: 1076-5131,PP 164-174
34. M.A. Rifayathali, A. Prasanna and S. Ismail Mohideen, Coloring of Anti Fuzzy Graph using  $\beta$ -cuts, **JASC: Journal of Applied Science and Computations**, ISSN NO: 0076-5131, Vol. 5, Issue 8, pp: 223- 236 (2018).
35. M.A. Rifayathali, A. Prasanna and S. Ismail Mohideen, Intuitionistic Fuzzy Graph Coloring, **IJRAR – International Journal** of Research and Analytical Reviews, Volume 5, issue 3, July-Sept 2018. Pp-734y-742y.

36. A. Prasanna, M. Premkumar and S. Ismail Mohideen, Doubt fuzzy PMS- ideal in PMS – algebras, **International Journal** of Research and Analytical Reviews (IJRAR) September 2018, Volume 5, Issue 3, pp.537-546.
37. C. Gurubaran, A. Prasanna and S. Ismail Mohideen, Inverse Equitable Dominatin in Fuzzy Graphs, Journal of Computer and Mathematical Sciences, Volume – 09, Issue- 10, Oct –2018, PP – 1575 – 1584.
38. C. Gurubaran and A. Prasanna, Equitable Edge Domination in Fuzzy Graphs, Malaya Journal of Matematik, Volume – 06, Issue – 04, Nov – 2018, PP – 716 – 719.
39. M.A. Rifayathali, A. Prasanna and S. Ismail Mohideen, Hesitancy Fuzzy Labeling Graph, **International Journal** of Management, Technology and Engineering, ISSN NO:2249-7455, volume 9, issue 1, January 2019, pp: 318-333.
40. N. Abdul Ali, A. Prasanna, G. Mathura, A. Keerthiga and T. Gayathri On  $k^*$  Quasi Normal Operator of Order  $n$ , **International Journal** of Mathematics Trends and Technology (IJMTT) – Volume 65 Issue 8 - August 2019, pp:154-157

S.No.	Title of the Paper	Name of the Faculty Member	Name of the Journal	International / National	Indexing	Impact Factor
41	Just Chromatic Excellence In Anti-Fuzzy Graphs	M.A. Rifayathali, A. Prasanna, S. Ismail Mohideen	Bulletin of Pure and Applied Sciences	International	Indian Citation Index	4.895
42	Anti Q-Fuzzy Ideals in CI-Algebras	Dr. A. Prasanna, and M. Premkumar	Journal of Information and Computational Science	International	UGC Care & Scopus	0.15
43	Doubt Fuzzy BP-Ideals	Dr. A. Prasanna, M. Premkumar and Muhammad Gulzar	Adalya	International	UGC Care & Web of Science/Scopus	5.3
44	Algebraic Properties on $\omega$ – Fuzzy Translation and Multiplication in BP– Algebras	Dr. A. Prasanna, M. Premkumar, Dr. S. Ismail Mohideen and Muhammad Gulzar,	International Journal of Innovative Technology and Exploring Engineering	International	Scopus & Elsevier	5.54
45	Anti Q- Fuzzy CI-Sub algebras and Anti Q-Fuzzy Homomorphism of CI-Algebras	Dr. A. Prasanna M. Premkumar, P. Thangamani and Dr. S. Ismail Mohideen	Journal of Xidian University, ISSN NO: 1001-2400,	International	Scopus & UGC CARE	5.4
46	Anti Q-Fuzzy d – Ideals in d – Algebra	Dr. A. Prasanna, M. Premkumar, M. Kannan and E. Manikandan	Journal of Xidian University, ISSN NO: 1001-2400,	International	Scopus & UGC CARE	5.4
47	Algebraic Properties on $\omega$ – Anti Q –Fuzzy Translation and Multiplication in BP– Algebras	Dr. A. Prasanna, M. Premkumar, Dr. S. Ismail Mohideen and A. Praveen	Journal of Xidian University, ISSN NO: 1001-2400,	International	Scopus & UGC CARE	5.4
48	N-Fuzzy CI-Sub algebras and Homomorphism of CI-Algebras	Dr. A. Prasanna, M. Premkumar, A. Arul Staline and Dr. S. Ismail Mohideen	Journal of Xidian University, ISSN NO: 1001-2400	International	Scopus & UGC CARE	5.4

49	Doubt $Q$ –Fuzzy BP-Ideals	Dr. A. Prasanna, M. Premkumar , M. Kalaiselvi and Dr. S. Ismail Mohideen	Journal of Xidian University, ISSN NO: 1001-2400,	International	Scopus & UGC CARE	5.4
50	On Fundamental Algebraic attributes of $\chi$ –Fuzzy Subring, Normal Subring and Ideal	Prasanna A, Premkumar M, and Ismail Mohideen S	International Journal of Recent Technology and Engineering (IJRTE), ISSN NO: 2277-3878.	International	Scopus & Elsevier	5.54
51	Anti Fuzzy Labeling Graph	M.A. Rifayathali, A. Prasanna, S. Ismail Mohideen	Journal of Xidian University, ISSN NO: 1001-2400,	International	Scopus & UGC CARE	5.4
52	Anti $Q$ -Fuzzy Ideals in CI–Algebras	Dr. A. Prasanna and M. Premkumar	Journal of Information and Computational Science	International	UGC Care & Scopus	0.15
53	On Algebraic Structures on Normalization of Anti $Q$ –Fuzzy BG-Ideals in BG-Algebras	Dr. A. Prasanna, M. Premkumar & Dr. S. Ismail Mohideen	Strad Research	International	Web Of Science &UGC CARE-II	6.1
54	Algebraic Structures on Product of $\psi$ – $Q$ –Fuzzy Subgroup and Normal Subgroup	Dr. A. Prasanna, M. Premkumar & Dr. Dharendra Kumar Shukla	Materials Today: Proceedings	International	Elsevier (Scopus)	1.3
55	On Elemental Algebraic Characteristic of $\omega$ –Fuzzy Subring, Normal Subring and Ideal	Dr. A. Prasanna, M. Premkumar & Dr. S. Ismail Mohideen	International Journal of Future Generation Communication and Networking	International	Web of Science, ESCI & UGC CARE-II	0.4
56	Some Characteristic of $\alpha$ –Fuzzy Orders Relative to $\alpha$ –Fuzzy Subgroups, Normal Subgroups and $\alpha$ – Fuzzy Cyclic group	Dr. A. Prasanna, M. Premkumar , Muhammad Gulzar & Dr. S. Ismail Mohideen	Mukt Shabd	International	UGC CARE-I	4.6
57	On Algebraic Structures on $\kappa$ -Intuitionistic $Q$ –Fuzzy Quotient Group	Dr. A. Prasanna, M. Premkumar & P.Thangamani	International Journal of Future Generation Communication and Networking	International	Web of Science, ESCI & UGC CARE-II	0.4



58	Algebraic Properties on $\omega$ -Fuzzy Trnaslation and Multiplication in BH-Algebras	Dr. A. Prasanna, M. Premkumar & Dr. S. Ismail Mohideen	AIP Conference Proceedings	International	Scopus (Elsevier0 & Web of Science	0.40
59	On Algebraic Characteristic on Normalization of Anti $Q$ -Fuzzy B – Ideals in B – Algebra	Dr. A. Prasanna, M. Premkumar & Dr. S. Ismail Mohideen	International Journal of Future Generation Communication and Networking	International	Web of Science, ESCI & UGC CARE-II	0.4
60	Second Small Value for Solving Fuzzy Transportation Problem with Optimal Solution	Dr. A. Prasanna, S.Sharmila Banu & Dr. S. Ismail Mohideen	Strad Research	International	Web Of Science &UGC CARE-II	
61	Fuzzy Optimal Assignment Problem by Zero Suffix Method using Arithmetic Mean Ranking Technique	Dr. A. Prasanna, S.Sharmila Banu & Dr. S. Ismail Mohideen	Strad Research	International	Web Of Science &UGC CARE-II	
62	$\kappa - Q$ -Fuzzy Orders Relative to $\kappa - Q$ -Fuzzy Subgroups and Cyclic group Fundamental Various Aspect	A. Prasanna, M. Premkumar, S. Ismail Mohideen, Dhirendra Kumar Shukla	Materials Today: Proceedings	2214-7853		
63	On Fundamental Algebraic Structures on Direct Product of Complex Anti $\omega - Q$ -Fuzzy Subrings	Dr. A. Prasanna, M. Premkumar and S. Ismail Mohideen	International Journal of Modern Agriculture	2305-7246		
64	D – Eccentric Domination in Graphs	A.Prasanna, N. Mohamedazarudeen	Advances and Applications in Mathematical Sciences	ISSN – 0974-6803		
65	Just Chromatic Excellence in Intuitionistic Fuzzy Graphs	M.A. Rifayathali, A. Prasanna, S. Ismail Mohideen	Advances and Applications in Mathematical Sciences	ISSN – 0974-6803		
66	On $\kappa - Q$ -Anti Fuzzy Normed Rings	A. Prasanna, M. Premkumar, P.Sugapriya, M.Kannan and A.Arul Staline	Design Engineering (Toronoto)	0011-9342	Scopus	
67	Fundamental Algebraic Properties on $\kappa - Q - \text{Anti}$ Fuzzy Normed Prime Ideal	M. Premkumar , M. Bhuvaneswari, E. Manikandan and Dr. A. Prasanna	Turkish Online Journal of Qualitative Inquiry (TOJQI)	1309-6591	Scopus	

	and $\kappa - Q - \text{Anti}$ Fuzzy Normed Maximal Ideal					
68	A Study on Complex Anti Fuzzy Subring	A. Prasanna , M. Premkumar , K. Malathi , P. Sugapriya and A. Arul Staline	Advances in Mechanics	1687-8140	Scopus	
69	On Fundamental Algebraic Attributes of $\omega - Q - \text{Fuzzy}$ Subring, Normal Subring and Ideal	M. Premkumar , A. Prasanna, Amit Kumar Sharma, M. S. Karuna, Arvind Sharma and Moti Lal Rinawa	International Journal of Mechanical Engineering	0974-5823	Scopus	
70	On Product of Complex Anti Fuzzy Subring	M. Premkumar , Padmakar Shahare, A. Prasanna , Fithriyah Indah Nur Abida and M. Dhivya	International Journal of Special Education	0827-3383	Scopus & Web of Science	
71	Intuitionistic Fuzzy Second Minimum Spanning Tree for Solving and Assignment Problem with Optimum Solution	A.Prasanna, S. Sharmila Banu	Advances in Mechanics	1000-0992	Scopus	
72	On Fundamental Algebraic Structures of $\kappa - Q - \text{Anti}$ Fuzzy Normed Rings	Dr. A. Prasanna, M. Premkumar, Dr. S. Ismail Mohideen, Dr. M. A. Rifayath Ali	International Journal of Advance and Innovative Research	2394 - 7780		
73	On fundamental algebraic properties of complex anti-Q fuzzy subrings	Dr. M. A. Rifayath Ali, Dr. A. Prasanna, Dr. S. Ismail Mohideen	Neuro Quantology	1303-5150	Scopus	

### Papers Presented in Seminars / Conferences:

1. *"Applications of Operations Research"* – At **One Day Seminar** on Tax Reforms With Special Reference to VAT, Department of Economics, Jamal Mohamed College(Autonomous), Tiruchirappalli-20, on 22<sup>nd</sup> March 2005.
2. *"Impact of Child Labor on Education a Statistical Analysis"* at **UGC Sponsored State Level Seminar** on Socio Economic Dimensions of Child Labor, Department of Economics, Jamal Mohamed College(Autonomous), Tiruchirappalli-20, September 27-28, 2005.
3. "Mathematics of Finance And Insurance – a View", at **State Level Seminar** on Advanced Techniques Involved in Graphs and Matrices, Department of Mathematics, Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur, on 14<sup>th</sup> February 2009.
4. "Controlling Human Moods by Fuzzy Logic" at **UGC Sponsored National Seminar** On Fuzzy Mathematical Modeling in Agriculture and Waste Land Development Khader Mohideen College, Adirampattinam on 28,29 March 2009.
5. Role of Social Responsibility in Women at the **UGC Sponsored Two Day National Seminar** on Social Entrepreneurship and Corporate Social Responsibility (CSR) – Role in Women Development at Department Of Women Studies, Bharathidasan University, Trichy-23 on March 27,28 -2010.
6. "Physical Problems of Children With Special Needs With Special Reference From Mental Retardation at **TANSACS Sponsored State Level Seminar** on Health Issues of Youth in India: Problems and Prospects at Department of Social Work, Jamal Mohamed College, Tiruchirappalli, on 20.12.2010.
7. Paper Presented at One Day **State Level Seminar** on Investment Opportunities and Challenges at Department of Commerce, Jamal Mohamed College, Tiruchirappalli, on 12<sup>th</sup> January 2011.
8. "The Insurance Schemes Calculations – a View" at **National Conference** on Management in the Age of Innovation at Jamal Institute of Management, Jamal Mohamed College, Tiruchirappalli, on 25<sup>th</sup> January, 2011.
9. "Interest Calculation In The Investment – A View" at **National Conference** on Management in the Age of Innovation at Jamal Institute of Management, Jamal Mohamed College, Tiruchirappalli, on 25<sup>th</sup> January, 2011.
10. "An Empirical Model of Application of Matrix in Cryptography" in the **UGC Autonomous Funded International Conference** on Mathematics and its Applications at Islamiah College, Vaniyambadi on August 29, 2012.
11. "Cryptography Encryption and Decryption Using Matrix in Unsymmetrical Image" in the **National Seminar** on Algebra and Graph Theory at Srinivasan College of arts and Science, Perambalur on 26.09.2012.
12. "Matrices in Cryptography" in the **National Seminar** on Algebra and Graph Theory at Srinivasan College of Arts and Science, Perambalur on 26.09.2012.

13. "A Correlation and Regression study on the ground water of vaiyampatty village" in the **National Seminar** on Algebra and Graph Theory at Srinivasan College Of Arts and Science, Perambalur On 26.09.2012.
14. "The Practical Application of Cryptography by Using Matrices in Image Identification and Road Mapping" on **International Conference** on Mathematics A Global Scenario D-G Vaishav College Chennai on 13, 14. 12.12.
15. "Quran Paved The Way For Algebraic Growth" On **International Seminar** on Hadis and Modern Science at Jamal Mohamed College on 19th & 20th February 2013.
16. A.Prasanna, M.A.Rifayathali and S. Ismail Mohideen, Hesitancy Fuzzy Graph Coloring, **International Conference** on Mathematical Methods and Computation, Department of Mathematics, Jamal Mohamed College, Trichy on 11-12-2017.
17. A.Prasanna, C.Gurubaran and S. Ismail Mohideen, Split and Non-Split Domination Number in Bipolar Fuzzy Graphs, **International Conference** on Mathematical Methods and Computation, Department of Mathematics, Jamal Mohamed College, Trichy on 11-12-2017.
18. A.Prasanna, M.Premkumar and T. Kalaivani, Anti Fuzzy d-Ideals in d-Algebra, **International Conference** on Mathematics: Pure, Applied and Computation, Mahendra Institute of Engineering and Technology, Namakkal during 13<sup>th</sup> to 15<sup>th</sup> February 2018.
19. "Hesitancy Fuzzy Magic Labeling Graph", at **International Conference** on Applied Analysis, Mathematical Modeling and Computing Techniques (ICAAMMCT) organized by Department of Mathematics, Gandhigram Rural Institute (Deemed to be University), Gandhigram-624302 on March 15<sup>th</sup>– 17<sup>th</sup>, 2018.
20. *"Just Chromatic excellence in anti-fuzzy graph", at International Conference On Mathematical Methods and Computation (ICOMAC 2019), organised by PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 20-21 February 2019.*
21. Algebraic Properties on w- Fuzzy Translation and Multiplication in BP Algebras at **International Conference** on Advanced IT, Engineering and Management organized by IT Department of AIMIT, St Aloysius College, Mangaluru on 22<sup>st</sup> & 22<sup>nd</sup> November 2019.
22. Dr. A. Prasanna and M. Premkumar, Algebraic Properties of  $\omega$  – Fuzzy in CI-Algebras, **International Conference** on Mathematical Methods & Computation organised by PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 19-02-2020
23. Dr. A. Prasanna and N. Mohamed Azarudeen, D-Eccentric Domination in Graphs, **International Conference** on Mathematical Methods & Computation organised by PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 19-02-2020
24. M.Premkumar and A.Prasanna, On Algebraic attributes on k-Q-Fuzzy orders relative to k-Q-Fuzzy subgroups in cyclic group, **International Virtual Conference** on Reconceptualizing in Mathematical Sciences and English Language/ Literature, Hindusthan College of Engineering and Technology from 28.08.2020 to 29.08.2020.

25. M.Premkumar and A.Prasanna, On Elemental Algebraic Characteristic of Fuzzy Subring, Normal Subring and Ideal, **International Virtual Conference** on “ Progress in Mathematics towards Industrial Applications, SRMIST, Chennai during 6<sup>th</sup> and 7<sup>th</sup> November 2020.
26. M.Premkumar, A.Prasanna, Dharendra Kumar Shukla, S.Ismail Mohideen, On Characteristics of K-Q- Fuzzy Translation and K-Q- Multiplication in T-Ideal in T-Algebras, 6<sup>th</sup> **International Conference** on Information and Communication Technology for Intelligent Systems (through Digital Platform), Ahmedabad on 22.04.2022 and 23.04.2022.
27. A.Mohamed Ismail, M.Premkumar, A.Prasanna, S.Ismail Mohideen, Dharendra Kumar Shukla, On Product of Doubt  $\psi$ -Q-Fuzzy Subgroup, 6<sup>th</sup> **International Conference** on Information and Communication Technology for Intelligent Systems (through Digital Platform), Ahmedabad on 22.04.2022 and 23.04.2022.
28. A.Prasanna, Algebraic properties on K-Q Bipolar fuzzy BCI Implicative Ideals in BCI Algebra, 4<sup>th</sup> **International Conference** on Recent Scientific and Technological Trends, Maa Shakumbhari Trust, Greater Noida, UP, India on 23.04.2022 and 24.04.2022.
29. A.Prasanna, On Bipolar Fuzzy BCI-Ideals, **International Conference** on Advances in Science, Engineering and Technology, Cheran College of Engineering, Karur from 27<sup>th</sup> to 28<sup>th</sup> May 2022.
30. A.Prasanna, On K-Q- Bipolar Fuzzy BCI-Ideals, **International Conference** on Advances in Science, Engineering and Technology, Cheran College of Engineering, Karur from 27<sup>th</sup> to 28<sup>th</sup> May 2022.
31. A.Prasanna, On Doubt Algebraic Structures of K-Q- Fuzzy Normed Rings, **International Conference** on Recent Advances in Material Science and Computational Techniques, Manipal University Jaipur, Rajasthan on 30.05.2022 and 31.05.2022.

#### **Conference / Seminar Attended Without Presenting Papers:**

1. **State Level Seminar** on “Mathematical Methods in Social Sciences” Organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-20 and **Sponsored by University Grants Commission, New Delhi** During September 8 – 9, 2004.
2. **Three Days Work Shop** On Soft Computing at Department of Mathematics, National Institute of Technology, Tiruchy – 15 on 15-17 November 2007.
3. **National Seminar** on Fuzzy Mathematics and its Applications at School of Mathematics, Alagappa University, Karaikudi on March 09, 2009
4. **UGC Sponsored National Conference** on Advanced Computing Conducted by Department of Computer Science, Jamal Mohamed College, Trichy-20 On March 27 & 28, 2009.

5. **International Conference** on Operations Research Application in Engineering and Management (ICOREM) at Department of Management Studies, Anna University, Tiruchy on May 27, 28 & 29, 2009
6. **UGC Sponsored International Conference** on Mathematical Methods and Computation at Department of Mathematics, Jamal Mohamed College, Trichy-20 on July 24&25, 2009.
7. **UGC Sponsored National Seminar** on Applications of Algebra and Number Theory at Department of Mathematics, National College, Tiruchy -01 on December 04 &05,2009
8. **National Conference** on Recent Trends in Fluid Dynamics (NCRTFD – 2010) Conducted by Sri Ramakrishna Mission Vidyalyaya College of Arts & Science , Coimbatore on 19.02.2010.
9. **UGC Sponsored State Level Seminar** on Examination Reforms at Jamal Mohamed College, Trichy-20 on March 12, 2010.
10. One Day **National Level Seminar** on Graph Theory, Algorithms and Modeling at Department of Mathematics, Jamal Mohamed College, Trichy-20 on 19<sup>th</sup> March 2010.
11. *UGC Sponsored Two Day National Seminar on Social Entrepreneurship and Corporate Social Responsibility (CSR) – Role in Women Development at Department Of Women Studies, Bharathidasan University, Trichy-23 on March 27,28 -2010.*
12. **NAAC Sponsored National Level Seminar** on Quality Enhancement in Teaching, Research And Extension in Higher Education Institutions – Prospects and Problems Organized by **IQAC**, Jamal Mohamed College, Trichy-20 on April 15 and 16, 2010.
13. **Seminar** on Creating Competitiveness to Excel in Higher Education – A TQM approach Organized by **IQAC**, Jamal Mohamed College, Trichy-20 on 8<sup>th</sup> December 2010.
14. **UGC Sponsored One Day Seminar** on Empowerment of Persons With Special Needs at Jamal Mohamed College, Trichy-20 on 22<sup>nd</sup> December 2010.
15. **Work Shop** on Mathematical Modeling at Department Of Mathematics, Jamal Mohamed College, Trichy-20 on 19.01.2011 – 25.01.2011.
16. **UGC Sponsored One Day Seminar** on Disability Rights and Laws for Students With Disability in Higher Education at Government Arts College, Tiruchy -22 on 09.02.2011.
17. **Work Shop** on LATEX organized by the ISTE chapter and Department of Information Technology, Dr.Sivanthi Aditanar College of Engineering, Tiruchendur on 15<sup>th</sup> November 2011.
18. **UGC Sponsored One Day National Seminar** on Applications of Mathematics at Department of Mathematics, Jamal Mohamed College, Trichy-20 on 22<sup>nd</sup> February 2012.
19. **UGC Sponsored One Day National Seminar** on Examination Reforms at Jamal Mohamed College, Trichy-20 on 24<sup>th</sup> February 2012.

20. **National Seminar cum Panel Discussion on Differently Abled: Challenges and opportunities in Higher Education** organized by Bharathidasan University, Centre for differently abled persons in association with Jamal Mohamed College at Jamal Mohamed College, Trichy-20 on 6<sup>th</sup> March 2012.
21. **One day Seminar** Teaching, Learning and Research in Higher Education –Excellence and Beyond Excellence Organized by **IQAC**, Jamal Mohamed College, Trichy-20 on 7<sup>th</sup> March 2012.
22. **UGC Sponsored** (Autonomous Grant) One Day **National Seminar** On Discrete Mathematics and its Applications at Department of Mathematics, Jamal Mohamed College, Trichy-20 on 09<sup>th</sup> March 2013.
23. **Leadership Training Program** Organized by Rotaract Club of Jamal Mohamed College at Jamal Mohamed College on 1<sup>st</sup> September 2013.
24. **International Conference** on Mathematical Methods And Computation at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 13<sup>th</sup> & 14<sup>th</sup> Feb. 2014.
25. **State Level Workshop for Guide Teachers to the 22<sup>nd</sup> National Children Science Congress**, Catalyzed and Supported By Department of Science and Technology, Govt. Of India, Organized by Tamilnadu Science Forum at Parisutham College Of Engineering and Technology, Tanjore on 19<sup>th</sup> And 20<sup>th</sup> July 2014.
26. Special One Day **“Interaction With IISER Scientists”** Program Organized at National College, Trichy organized by Anna Science Centre – Planetarium, Trichy on 6<sup>th</sup> August 2014.
27. **ICMR Sponsored International Seminar** on Recent Trends in Computational Intelligence Techniques for Big Data Analysis at PSNA College Of Engineering, Dindigul during 27<sup>th</sup> And 28<sup>th</sup> August 2014.
28. **Leadership Training Seminar** Organized by Rotaract Club of Jamal Mohamed College at Jamal Mohamed College On 21<sup>st</sup> September 2014.
29. a **Four day workshop on Latex and SPSS** at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli from 20.09.2014 to 25.09.2014.
30. **International Conference** on Mathematical Methods and Computation at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 22<sup>nd</sup> and 23<sup>rd</sup> February 2015.
31. **One day State level seminar and workshop** on Personality development and Fashion Portfolio at PG Department of Fashion Technology, Jamal Mohamed College, Tiruchirappalli on 4<sup>th</sup> March 2015.
32. **One Day Workshop on “Free Open Source Software”** at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 12.10.2015.

33. **One Day Inter-Collegiate Workshop** on “E-Content Development for Teaching – Learning Process” Organized by **IQAC**, Jamal Mohamed College, Trichy-20 on 22.12.2015.
34. **National Conference on Graph Theory, Fuzzy Graph Theory and their Applications** at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 10.02.2016 and 11.02.2016.
35. **Leadership Training Seminar** –Shyla’16 Organized by Rotaract Club of Jamal Mohamed College at Jamal Mohamed College 9<sup>th</sup> October 2016.
36. **UGC Sponsored Six Days Work Shop on Research Methodology and SPSS** at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli from 20<sup>th</sup> to 25<sup>th</sup> October 2016.
37. **One Day Workshop on The Role of a Teacher in the Present Scenario**, Organized by **IQAC**, Jamal Mohamed College, Trichy-20 on 03.12.2016
38. **Three Days NLP – Based Faculty Empowerment Programme** Organized by **IQAC**, Jamal Mohamed College, Trichy-20 on 17<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup> June 2017.
39. **International Conference** on Mathematical Methods and Computation, Department of Mathematics, Jamal Mohamed College, Trichy on 11-12-2017.
40. Three Days **International Conference** and Seminar on Mathematics and Computer Sciences at Mahendra Institute of Engineering and Technology, Namakkal during 13<sup>th</sup> to 15<sup>th</sup> February 2018.
41. One day **Workshop on “ Writing Winnable Project Proposals”** Organized by **IQAC**, Jamal Mohamed College, Trichy-20 on 23<sup>rd</sup> June 2018.
42. **UGC CPE Sponsored** Two-Day workshop on Professional Development for Academic Leadership in Curriculum Design- organized by Curriculum Development Cell, Jamal Mohamed College, Tiruch on 18-01-2019 to 19-01-2019.
43. **Workshop** on “Quality Enhancement of Research: New Paradigm in Trans-disciplinary approaches and IPR” organized by **IQAC** and **IIC**, Jamal Mohamed College, Trichy on 6<sup>th</sup> September 2019.
44. Staff Enrichment Programme on Ownership Culture Organized by **IQAC**, Jamal Mohamed College, Trichy-20 on 14<sup>th</sup> June 2019.
45. Workshop on “Quality enhancement of Research: New Paradigm in Trans-disciplinary approaches and IPR” Organized by **IQAC**, Jamal Mohamed College, Trichy-20 on 6<sup>th</sup> September 2019.
46. **Orientation Programme** on Preparing Course Outcomes in the Curriculum Design organized by Curriculum Development Cell, Jamal Mohamed College, Tiruchy on 03.01.2020.



47. **One day Basic Training Programme on "Human Rights "** Sponsored by National Human Rights Commission, Organized by Department of Social Work, Jamal Mohamed College, Trichy on 12.02.2020
48. **International workshop** on Python Programing, Department of Mathematics, Jamal Mohamed College, Trichy on 18.02.2020
49. **International Conference** on Mathematical Methods & Computation (ICOMAC 2020), Department of Mathematics, Jamal Mohamed College, Trichy on 19.02.2020
50. **International** Online Research Methodology Workshop, Rest Society for Research International, Krishnagiri on 12-04-2020-14-04-2020
51. **National** Level Webinar on Impact of COVID on Economy and Management of Fitness during this period, Shasun College, Chennai on 04-05-2020
52. **National** Webinar on Joy of Orderly Living, Kaamadhenu Arts and Science College, Erode on 05-05-2020
53. **National** Level NAAC Awareness Programme for Faculty (Online), Marathwada Mitra Mandal Institute of Technology, Pune on 08-05-2020-14-05-2020
54. **National** Level Online Panel Discussion on Impression of COVID-19: From Layman to Business Man, V.V. Vanniaperumal College for Women, Virudhumagar on 09-05-2020
55. **National** Level Faculty Awareness Program on NAAC Accreditation (Online), RD's Shri Chhatrapati Shivajiraje College of Engineering, Pune on 12-05-2020
56. **National** Level Webinar on Personal Effectiveness- Need of the Hour, SIIMS, Coimbatore on 14-05-2020
57. **National** Level Webinar on "IPR and Patent Drafting", St. Peter's Institute of Higher Education and Research, Chennai on 14-05-2020
58. **National** Level Webinar on Eight Limbs of Yoga (Astanga Yoga), Tamilnadu Teachers Education University, Chennai on 14-05-2020
59. **National** Level Webinar, Nehru Arts and Science College, Coimbatore on 14-05-2020
60. **National** Level Webinar on Research Publication: Skills, Ethics and Misconducts, Kumaraguru College of Technology, Coimbatore on 15-05-2020
61. **National** Level Webinar on Maintaining the Academic interest of Teachers and Students: During and After Lockdown, Shri Jai Narayan Mishra PG College, Lucknow on 16-05-2020
62. **National** Level Webinar on How to prepare for Competitive Exams, Trinity College for Women, Namakkal on 18-05-2020
63. Three days **National** level online course on Operations Research, V.H.N.S.N.COLLEGE, VIRUDHUNAGAR on 18-05-2020 to 20-05-2020

64. **State** Level Online Workshop on Personality Development – Unlearn to Learn the Skill, National College, Trichy on 19-05-2020
65. **National** Level Webinar on Applications of Mathematics, Nallamuthu Gounder Mahalingam College, Pollachi on 19-05-2020
66. **National** Level Webinar on Taking Research forward during the Pandemic, Loyola College, Chennai on 20-05-2020
67. **National** Level Webinar on Quality Metrics in Higher Education, Sadakathullah Appa College (Autonomous), Rahmath Nagar, Tirunelveli on 21-05-2020
68. **National** Level Webinar on " Intellectual Property Rights ", Sengamala Thaayar Educational Trust Women's College, Mannargudi on 22-05-2020
69. **National** Level One day webinar on Graphs In Life, Don Bosco College of Arts and Science, Thoothukudi on 29-05-2020
70. **International Webinar** entitled “ Context Based Pedagogy and Assessment in Higher Education on 03.06.2020
71. **International Webinar** on How do to you write a High impact factor paper?, Mahatma Gandhi College, Kerala on 07.06.2020
72. **National Webinar** on Algebra and Analysis, R V Government Arts College, Chengalpattu on 03.07.2020
73. Live **Webinar** on Inner Product Space, Urumu Dhanalakshmi Colleger, Trichy on 06.07.2020.
74. **International Webinar on** Algebra, Analysis and Topology, Bankura University on 13 & 14<sup>th</sup> August 2020
75. **International Webinar** on Recent Advances of Operations Research in Natural and Social Sciences, Lanka Mahavidyalaya, Assam on 18.09.2020
76. **Five days TEQIP –III Sponsored Workshop** on Magical Mathematics and Optimization, Vivekananda Institute of Technology, Jaipur from 21.09.2020 to 25.09.2020.
77. **Webinar Series:3** Linear Algebra, RSET and Centre for Topology and Applications from 7<sup>th</sup> to 9<sup>th</sup> October 2020.
78. **Webinar Series:4** Stochastic Process and Mathematical Modelling, RSET and Centre for Topology and Applications from 14<sup>th</sup> to 16<sup>th</sup> October 2020.
79. **Webinar on** Cryptography and History of Mathematics, Khalsa College, Patiala on 19<sup>th</sup> October 2020.
80. NIRF Workshop, ICT Academy on 05.11.2020.
81. **National Level Workshop** on NIRF India Rankings-2022, IAE, Hyderabad, 05-01-2022 and 06-01-2022

82. **Science Academies Virtual Lecture Workshop** on Mathematical biology, Hindusthan College of Arts & Science, Coimbatore, 10-01-2022 to 12-01-2022
83. One Day **Workshop** on Astronomy, Organized by PG & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli on 31-08-2021.
84. **Science Academies' Virtual Lecture Workshop** on "Differential Equations and its Application", PG & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli on 21-12-2021 and 22-12-2021

#### **Orientation / Refresher Courses Attended:**

1. The **Faculty Orientation Program** on Accommodations for Students With Disabilities at Department of Rehabilitation Science, Holy Cross College, Trichy on 01.12.2010.
2. **UGC Sponsored Orientation Programme, UGC Human Resource Development Centre**, Bharathidasan University, Trichirappalli- 620 023 from 23.08.2017 to 19.09.2017.
3. **UGC Sponsored Refresher Course** in Mathematics and Statistics, **UGC Human Resource Development Centre**, Bharathiar University, Coimbatore from 13-02-2019 to 05-03-2019.
4. **UGC Sponsored Online Refresher Course** in Mathematics & Statistics, **UGC- HRDC**, Bharathidasan University, Trichy, 25-11-2020 to 08-12-2020.
5. **Refresher Course in Applicable Mathematics**, Teaching Learning Centre, Ramanujan College in collaboration with Sri Jayachamarajendra College of Engineering, JSS Science and Technology University, Mysuru during 26 July - 08 August 2022.

## FDP Attended

S.No.	FDP	Institution where attended and Place	Date(s)
1.	Faculty Development Programme on Data Science USING LaTeX	D.K.M. College for Women, Vellore in association with Spoken Tutorial, IIT Bombay (Online)	30-04-2020-04-05-2020
2.	Faculty Development Programme on Data Science USING Scilab	D.K.M. College for Women, Vellore in association with Spoken Tutorial, IIT Bombay (Online)	30-04-2020-04-05-2020
3.	National Level Online Interdisciplinary Faculty Development Programme on Inclusive Indian Traditions for a Holistic Global Education	PSGR Krishnammal College for Women, Coimbatore	03-05-2020-09-05-2020
4.	Faculty Development Programme on Data Science USING R	Jamal Mohamed College, Trichy in association with Spoken Tutorial, IIT Bombay (Online)	11-05-2020 – 14-05-2020
5.	Faculty Development Programme on Data Science USING Geo Gebra	Jamal Mohamed College, Trichy in association with Spoken Tutorial, IIT Bombay (Online)	11-05-2020 – 14-05-2020
6.	Faculty Development Programme on Fuzzy Sets and Systems	Patrician College of Arts and Science, Chennai (Online)	16.05.2020
7.	10 days FDP on Innovative Knowledge tuning for Academicians	St. Peter's Institute of Higher Education and Research, Chennai (Online)	18.05.2020-27.05.2020
8.	FDP on Next Generation Intelligence	St. Peter's Institute of Higher Education and Research, Chennai (Online)	20-05-2020-25-05-2020
9.	Faculty Development Programme on Online Teaching Methods	Nirmala College for Women, Coimbatore (Online)	20-05-2020 & 21-05-2020
10.	Faculty Development Programme on Real Life Applications of Fuzzy Mathematics	St. Peter's Institute of Higher Education and Research, Chennai (Online)	22-05-2020
11.	Faculty Development Programme on MA8551 Algebra and Number Theory	Ramco Institute of Technology, Rajapalayam (Online)	26-05-2020 & 27-05-2020
12.	Faculty Development Programme on Descriptive Statistics through R-Programming	KPR Institute of Engineering and Technology, Coimbatore	26-05-2020-28-05-2020
13.	<b>Two Weeks Faculty Development Programme on Managing Online Classes and Co-Creating MOOCS:2.0</b>	<b>Teaching Learning Centre, Ramanujan College, University of Delhi</b>	<b>18-05-2020-03-06-2020</b>
14.	7 Day FDP on Institutional Benchmarking of Best Practices.	Shree Mallikarjun & Shri Chetan Manju Desai College, Canacona	08.06.2020-14.06.2020
15.	Online FDP on Pure Applied Mathematics	Jamal Mohamed College, Trichy-20	11.06.2020-17.06.2020
16.	International Online FDP on Digital Tools for Researchers and ICT Online Tools in Teaching	Hindusthan College of Arts and Science, Coimbatore	20.07.2020-24.07.2020
17.	Five days Faculty Development Programme on Mathematical Concepts by using Free Open Source Softwares	BMSIT &M, Bengaluru	21.07.2020-25.07.2020

18.	Faculty Development on E-Content Development	IQAC, Jamal Mohamed College, Trichy-20	30.06.2020-04.07.2020
19.	Online Faculty Improvement Programme on Advances in Linear Algebra and Differential Equations	Jamal Mohamed College, Trichy-20	09.07.2020 & 10.07.2020
20.	One Week FDP on Scientific Writing Using Latex	BGSB University, Rajouri	05.10.2020-09.10.2020
21.	<b>Online FDP on Capacity Building</b>	<b>AICTE Training and Learning (ATAL) Academy, New Delhi, University of Petroleum and Energy Studies</b>	<b>12.10.2020-16.10.2020</b>
22.	Faculty Development Programme on Algebra and Analysis	PG & Research Department of Mathematics (Under DBT Star College Scheme), Jamal Mohamed College (Autonomous), Tiruchirappalli	09-02-2021 to 11-02-2021
23.	Virtual Short Term Training Program on Data Science and Statistical Applications	DEPARTMENT OF STATISTICS BHARATHIAR UNIVERSITY, COIMBATORE -641 046 in association with PG & RESEARCH DEPARTMENT OF MATHEMATICSq JAMAL MOHAMED COLLEGE (Autonomous), TIRUCHIRAPPALLI – 620 020, Under DBT Star College Scheme	15.03.2021 to 22.03.2021
24.	Three Days National Level Virtual FDP on Graph Theory,	Vellalar College for Women, Erode	21-12-2021 to 23-12-2021
25.	Faculty Development Programme on Outcome Based Education	Rajeev Gandhi College of Management Studies, Ghansoli	13-01-2022 to 19-01-2022
26.	One week Faculty Development Programme on ICT Tools for E-Content Development	PG & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli	24-01-2022 to 29-01-2022
27.	Seven Day Online Workshop on the 7 Assessment criteria for NAAC Accreditation	IQAC, SKBR Govt. Degree College, Macherla	21-02-2022 to 28-02-2022
28.	Five Days National Level FDP on Mathematical Modelling	Sarojini Naidu Vanita Maha Vidyalaya, Hyderabad	06-04-2022 to 11-04-2022
29.	One Week International Faculty Development Programme on Frontiers of Data Science in Trending Technologies	Mahatma Gandhi Institute of Technology, Hyderabad	09.05.202-13.05.2022

**Resource Person:**

1. Acted as **Presiding Officer** for the Ordinary Elections -2011 Conducted by the Tiruchirappalli City Corporation on 17.10.2011
2. Conducted the **TANCET Coaching Class** Organized by the Anti-Dowry Association, Jamal Mohamed College, Trichy-20 during February 2012.
3. Worked as **Part Time Lecturer** in the Department of Computer Application & Engineering at **Bharathidasan University**, Tiruchy -24 From August 2012 to November 2012.
4. Delivered a **Lecture On Stress Management** to the Higher Secondary School Students at Tiruchirappalli Schools Organized by **Bharathi IAS Academy And Department of Social Science, Bharathidasan University** Tiruchirappalli.
5. Delivered a **Lecture as a Resource Person** in the **District Level Workshop for Guide Teachers To The 22<sup>nd</sup> National Children Science Congress**, Catalyzed and Supported by Department of Science and Technology, Govt. of India, Organized by Tamilnadu Science Forum at ER Higher Secondary School, Trichy on 28.08.2014.
6. Delivered a **Lecture as a Resource Person** in the **District Level Workshop for Guide Teachers To The 22<sup>nd</sup> National Children Science Congress**, Catalyzed and Supported by Department of Science and Technology, Govt. of India, Organized by Tamilnadu Science Forum at John Britto School, Trichy on 01.09.2014.
7. Acted as **Evaluator** in **22<sup>nd</sup> National Children Science Congress-2014**, Catalyzed and Supported by Department of Science and Technology, Govt. of India, Organized by Tamilnadu Science Forum at Jamal Mohamed College, Trichy on 22 & 23.11.2014.
8. Acted as a **Judge in Business Quiz in the State level Intercollegiate Meet- EXOBIZ-2K15** at Department of Business Administration, Jamal Mohamed College, Trichy on 28.02.2015.
9. Delivered a **Lecture on Mathematics Projects and Mathematics Exhibition Ideas to In-service training for Mathematics BT Teachers (Spell-II)** conducted by Rashtriya Madhyamik Shiksha Abhiyan, Trichy
10. Delivered an **Inaugural Address** in the “Math Integral0”- Mathematics Association Inauguration at Department of Mathematics, Theivanai Ammal College for Women, Villupuram on 21.08.2015.
11. Conducted the **Bank Coaching Class – “Quantitative Ability”** Organized by the Guidance and Counseling Centre, Jamal Mohamed College, Trichy-20 on 26.08.2015.
12. Acted as **Evaluator** in **23<sup>rd</sup> National Children Science Congress-2015** Catalyzed and Supported by Department of Science and Technology, Govt. of India, Organized by Tamilnadu Science Forum at Bharathidasan University, Trichy on 10.11.2015.

13. Acted as a **Judge in Business Quiz in the State level Intercollegiate Meet- EXOBIZ-2K16** at Department of Business Administration, Jamal Mohamed College, Trichy on 21.02.2016.
14. Acted as **Evaluator in 24<sup>th</sup> National Children Science Congress-2016** Catalyzed and Supported by Department of Science and Technology, Govt. of India, Organized by Tamilnadu Science Forum at Bharathidasan University, Trichy.
15. Conducted the **Bank Coaching Class – “Quantitative Ability”** Organized by the Guidance and Counseling Centre, Jamal Mohamed College, Trichy-20 on 31.08.2016.
16. **Delivered a Lecture** on Applications of Science in the National Science Day Celebrations, Tamil Nadu Science Forum Students Branch, Trichy District on 28.02.2017.
17. Acted as a **Judge in Team Management in the State level Intercollegiate Meet- EXOBIZ-2K17** at Department of Business Administration, Jamal Mohamed College, Trichy on 04.03.2017.
18. **Delivered a Lecture** in the National Science Day Celebrations, Tamil Nadu Science Forum Students Branch, Trichy District- Govt. High School, Periya Alampatti, Trichy on 28.02.2018
19. **Delivered Inaugural Address** in the **CSIR Sponsored National Workshop** on “Innovations in Number Theory for Cryptography Applications” at Kongunadu College of Engineering Technology, Thottiyam on 24.08.2019
20. Acted as **Evaluator in The Future Scientist - Science Festival**, Organized by VIT, The Hindu Tamil News Paper and Tamilnadu Science Forum at The American College, Madurai on 20.10.2019.
21. Acted as **Evaluator in District Level 27<sup>th</sup> National Children Science Congress-2019**, Catalyzed and Supported by Department of Science and Technology, Govt. of India, Organized by Tamilnadu Science Forum at SBIOA School, Trichy on 03.11.2019.
22. **Delivered a Special Lecture** on Applications of Mathematics in the **One Day Seminar on Applications of Mathematical Modeling** organized Department of Mathematics, Periyar University Constituent College of Arts and Science, Dharmapuri on 03.03.2020.
23. Acted as **Evaluator in District Level 29<sup>th</sup> National Children Science Congress-2021**, Catalyzed and Supported by Department of Science and Technology, Govt. of India, Organized by Tamilnadu Science Forum at Trichy on 16-12-2021
24. **Delivered a Lecture** on Graph Theory Application in the State Level Seminar on “Recent Trends in Mathematics and Information Technology” under DBT- Star College Scheme, Vivekananda College, Madurai on 18-03-2022.

### **Seminar/ Conference/ Workshop Organized:**

- Organizing Secretary, An Inter Departmental One Day Seminar on Mission 2020 as a mark of respect to our former President Dr.A.P.J.Abdul Kalam. The Government of Tamil Nadu has identified 15th October as “ Youth Awakening Day” to honour our Bharat Ratna’s birth anniversary at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 15.10.2015.
- **Coordinator, UGC Sponsored Six Days Workshop on Research Methodology and SPSS**, 20<sup>th</sup> to 25<sup>th</sup> October 2016 organized by Department of Mathematics, Jamal Mohamed College, Trichy-20.
- Executive Committee Member, **International Conference** on Mathematical Methods and Computation at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 11<sup>th</sup> December 2017.
- Executive Committee Member, **International Conference** on Mathematical Methods and Computation at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 20<sup>th</sup> & 21<sup>st</sup> February 2019.
- **Organizing Secretary, A One day Workshop on Algebra** for UG and PG students of Mathematics, 10.08.2019, PG & RESEARCH DEPARTMENT OF MATHEMATICS & Dr. A.P.J. ABDUL KALAM CLUB(Affiliated to Vigyan Prasara Network of Science Clubs)Club ID: VP-TN0056, Jamal Mohamed College, Trichy-20.
- Executive Committee Member, **International Conference** on Mathematical Methods and Computation at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 19<sup>th</sup> February 2020.
- Coordinator, JAMATICS 2020 (A State Level Intercollegiate Competition) at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 25<sup>th</sup> February 2020.
- **Organizing Secretary, COVID-19 Awareness Competitions for School and College Students (National Level- DBT Star College Scheme)**, 14-04-2020 – 30-04-2020, PG & RESEARCH DEPARTMENT OF MATHEMATICS &Dr. A.P.J. ABDUL KALAM CLUB(Affiliated to Vigyan Prasara Network of Science Clubs)Club ID: VP-TN0056, Jamal Mohamed College, Trichy-20
- **Organizing Secretary, Faculty Development Programme on Data Science USING R PROGRAMMING and GEO GEBRA (Under DBT Star College Scheme) in association with Spoken Tutorial, IIT Bombay**, 11-05-2020-14-05-2020, PG & RESEARCH DEPARTMENT OF MATHEMATICS, Jamal Mohamed College, Trichy-20
- **Organizing Secretary, National Level Webinar on "Indian Science : COVID 19 Scenario"(Under DBT Star College Scheme)**, 29.05.2020, PG & RESEARCH DEPARTMENT OF MATHEMATICS &Dr. A.P.J. ABDUL KALAM CLUB(Affiliated to Vigyan Prasara Network of Science Clubs)Club ID: VP-TN0056, Jamal Mohamed College, Trichy-20.



- **Organizing Secretary, International Level Online Faculty Development Programme** on Pure and Applied Mathematics (**Under DBT Star College Scheme**), 11-06-2020-17-06-2020, PG & RESEARCH DEPARTMENT OF MATHEMATICS, Jamal Mohamed College, Trichy-20.
- **Organizing Secretary, National Level Online Faculty Improvement Programme** on Advances in Linear Algebra and Differential Equations (**Under DBT Star College Scheme**), 09.07.2020 and 10.07.2020, PG & RESEARCH DEPARTMENT OF MATHEMATICS, Jamal Mohamed College, Trichy-20.
- **Coordinator, Virtual Internship Programme on SPSS**, Conducted by South Indian Researchers Association, Sankarankovil from 06-11-2020 to 12-11-2020.
- **Coordinator, TNSCST Sponsored Science Quiz for Higher Secondary School Students** on 25.02.2021
- **Organizing Secretary, State Level Online Aptitude test in view of National Mathematics Day (Under DBT Star College Scheme)**, 22-01-2021, PG & RESEARCH DEPARTMENT OF MATHEMATICS, Jamal Mohamed College, Trichy-20.
- **Organizer, Online Programming Quiz " SMART HACKS-2021-22"** in association with Electronics & ICT Academy, IIT Kanpur on 20-12-2021.
- **Coordinator, Science Academies' Virtual Lecture Workshop on "Differential Equations and its Application"** on 21-12-2021 and 22-12-2021, PG & RESEARCH DEPARTMENT OF MATHEMATICS, Jamal Mohamed College, Trichy-20.
- **Organizing Committee Member, One Week Faculty Development Programme on ICT Tools for E-content Development** from 24-01-2022 to 29-01-2022 under DBT Star College Scheme, PG & RESEARCH DEPARTMENT OF MATHEMATICS, Jamal Mohamed College, Trichy-20.
- **Organizing Member, one-week Interdisciplinary Online Faculty Development Programme on Data Analytics and Mathematical Software Tools** by Teaching Learning Centre Ramanujan College (University of Delhi) under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching in Collaboration with PG & Research Department of Mathematics (Under DBT Star College Scheme), Jamal Mohamed College, Trichy from 25-02-2022 to 03-03-2022.
- **Organizing Secretary, JAMATICS 2K22 (A State Level Intercollegiate Competition)** at PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 11.05.2022.
- **Assistant Coordinator, Young Students Scientist Programme**, Catalyzed and Supported by the Tamil Nadu State Council for Science and Technology, Chennai from 16.05.2022 to 31.05.2022 at Jamal Mohamed College, Tiruchirappalli

**Grants Received:**

S.No.	Name of the Seminar / Conference / Workshop	International / National / State Level / College level	Date(s) DD-MM-YYYY	Name of the Organizing Secretary/ Coordinator	Name of the Funding Agency	Total Grant Received(Rs.)
1.	TNSCST Sponsored Science Quiz for Higher Secondary School Students	District	25.02.2021	A.Prasanna	TNSCST & DBT Star College Scheme	5000/-
2.	Virtual Lecture Workshop on “Differential Equations and its Application”	National	21-12-2021 and 22-12-2021	A.Prasanna	Science Academies’, Bengaluru	21,500/-
3.	Young Students Scientist Programme, Catalyzed and Supported by the Tamil Nadu State Council for Science and Technology, Chennai	District	16.05.2022 to 31.05.2022	A.Prasanna (as Assistant Coordinator)	TNSCST	3.00 Lakhs

**Project Received:**

S.No.	Name of the Project	Name of the Funding Agency	Total Grant Received(Rs.)	Duration
1	Challenges in Mathematics Learning: A Study from the perspective of School Student’s	Seed Money Project Scheme—Jamal Mohamed College, Trichy	6000/-	One Year from 22.04.2022

## **SPECIAL AWARDS RECEIVED:**

- Received Service **Gold Medal** (Outstanding NSS Volunteer) By **Jamal Mohamed College** during 2003.
- Awarded **Outstanding NSS Volunteer Award** (Tamil Nadu State NSS Award) by **Government of Tamil Nadu** during 2007.
- Awarded **Ramanujam Award – 2011 (Best Paper Award)** for Presented a Paper on “Analysis of Diabetics Using Modeling” at Sri Khandhan College Of Arts & Science, Erode during 2010-2011.
- Won **Consolation Prize in National Science Day Celebrations** Exhibition Conducted By PG & Research Department of Zoology, Jamal Mohamed College, Trichy-20 on 27.02.2013.
- Won **Consolation Prize in National Science Day Celebrations** Exhibition Conducted by PG & Research Department of Zoology, Jamal Mohamed College, Trichy-20 on 27.02.2014.
- Guided a project, which is selected as one of the **Best Project in State Level-Youth Science Festival 2015** held at Chennai on 14<sup>th</sup> and 15<sup>th</sup> March 2015.
- Awarded Dr.A.P.J Abdul Kalam Club(VP-TN0056) as Bonze Club Category for the year 2018, Vigyan Prasar, Noida, UP on 25.09.2019
- Received Certificate of Excellence in Reviewing at Journal of Advances in Mathematics and Computer Science in 2020.
- Received **Certificate of Appreciation from E&ICT Academy, IIT Kanpur** on 24-12-2021 for conducted Online Programming Quiz ” SMART HACKS-2021-22” at Jamal Mohamed College, Trichy-20.
- Received **Certificate of Appreciation from NPTEL Coordinator, IIT Madras** in recognition of **role as Mentor** for the NPTEL Online Certification Course Introduction to Probability and Statistics, Jan-Apr 2022.
- **Received Best Junior Researcher Award (with Cash Prize Rs. 5000/-) in Science Faculty for the Academic Year 2021-2022 from Jamal Mohamed College, Tiruchirpalli**

## MEMBERSHIP IN ACADEMIC BODIES:

- Member, Board of Studies (Mathematics), Jamal Mohamed College, Trichy -20 (From 2009 to till date)
- Member, Tamil Nadu Science Forum (From 2014 to till date)
- Member of College Collaboration Scheme (C<sup>3</sup>-Program) (visit: <http://www.ijaiem.org>)
- Advisor/ Editorial Board Member, International Journal of Application or Innovation in Engineering Management (<http://www.ijaiem.org/editorial.php>)
- Life Member, Indian Society of Systems for Science & Engineering (ISSE) (No. LM04473)
- Member, All India Council for Technical Skill Development (From 16.04.2022)

## Members in National / International Committees, Editorial Boards (Journals and Conferences)

Editorial Board Member / Reviewer	Title of the Conference, Place and Date(DD-MM-YYY)	Organizing Agency and Place
Reviewer	CSIR Sponsored National Conference on Recent Trends in Pure and Applied Mathematics, Thanjavur, 04-02-2019 & 05-02-2019	Bon Secours College for Women, Thanjavur
Reviewer	International Journal of Pharmaceutical Research (Scopus Indexed) J.No. 63703 – Elsevier 24.12.2019	International Journal of Pharmaceutical Research
National Advisory Committee Member	National Conference on Mathematics: Pure, Applied and Computation 04.03.2020	Kongunadu College of Engineering & Technology, Trichy
Reviewer	Journal of Intelligent & Fuzzy Systems	Journal of Intelligent & Fuzzy Systems

## OTHER ACADEMIC ASSIGNMENT

- Question Paper Setter in University of Madras, Chennai
- Question Paper Setter in Autonomous Colleges in Tamil Nadu
- Acted as External Examiner for M.Phil Viva Voce held at Rajah Serfoji Govt. College, Thanjavur on 20.10.2021
- Served as Subject for Board of Studies, G.T.N. Arts College, Dindigul on 28.04.2022
- Doctoral Committee Member- Mr. T.Rajesh Kumar, Rajah Serfoji Govt. College, Thanjavur (from 06.09.2021)
- Doctoral Committee Member- Mr.M. Karthikeyan, Rajah Serfoji Govt. College, Thanjavur (from 06.09.2021)
- Doctoral Committee Member- Ms. A.Nazeera Begam, Rajah Serfoji Govt. College, Thanjavur (from 06.09.2021)

- Doctoral Committee Member –Mr. Jasmine Kingsly, Thanthai Periyar Government Arts and Science College, Trichy (from 09.06.2022)

#### **ADMINISTRATIVE POSITIONS HELD IN THE COLLEGE:**

- Sub-Warden - Khajamian Hostel (February 2008 – November 2014)
- Tutor in-charge for BCA (2008-09)
- Tutor in-charge for I M.Sc., Mathematics(SF) (2010-11)
- Tutor in-charge for B.Sc., Mathematics (From 2011-12 to 2013-2014)
- Deputy Warden - Khajamian Hostel (From 24.11.2014 to 31.05.2018)
- Member, Admission Committee (From 2012-13 to till date)
- Tutor in-charge for M.Phil. Mathematics (From 2014-15 to till date)
- Member, Alumni Association Committee (From 2016-17 to till date)
- Advisor, Dr. A.P.J Abdul Kalam Club -VIGYAN PRASAR (An autonomous organisation under the Department of Science & Technology, Govt. of India), VIPNET- Dr. A.P.J. Abdul Kalam Club (VP-TN0056) (From 19.12.2016 to till date)
- Staff In-charge, Ramanujan Centre for Mathematic Excellence (From 2017 to till date)
- Department Assistant Coordinator, DBT Star College Scheme (From 2017 to till date)
- Member, Academic Council, Jamal Mohamed College, Trichy (From 27.03.2021 to till date)
- Coordinator, B.Voc. Diploma in Insurance and Actuarial Science Programme (Under B.Voc. UGC NSQF Scheme in association with Insurance Institute of India, Mumbai)-From 2020-21 to till date
- Mathematics Association Vice President (From 2020-21 to till date)

#### **OTHER ADMINISTRATIVE POSITIONS HELD IN THE COLLEGE:**

- Acted as Chief Invigilator, Chartered Accountants Examinations conducted by ICAI, New Delhi.
- Acted as Chief Invigilator, TNPSC Competitive Examinations conducted by TNPSC, Chennai.
- Acted as Chief Invigilator/ Chief Superintendent in Various Competitive Examinations held at Jamal Mohamed College, Tiruchirappalli.