



# SHRIMATI INDIRA GANDHI COLLEGE

(Affiliated to Bharathidasan University)

Nationally Accredited at 'A' Grade (4<sup>th</sup> Cycle) by NAAC | An ISO 9001 : 2015 Certified Institution  
Tiruchirappalli - 620 002

**Name** : Dr. S.Sumithiradevi  
**Designation** : Assistant Professor  
**Department** : PG & Research Department of Mathematics  
**Qualification** : M.Sc., M.Phil., Ph.D  
**Experience** : Teaching : NIL    Research:  
**Area of Specialization(s)** : FUNCTIONAL ANALYSIS  
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## Academic Qualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
Ph.D., (Mathematics)	Urumu Dhanalakshmi College	Bharathidasan University	Viva-Voce Date: 10.02.2021
M.Phil., (Mathematics)	Government Arts College	Bharathidasan University	2014 – 2015
M.Sc., (Mathematics)	Srimathi Indira Gandhi College, Trichy	Bharathidasan University	2012 – 2014
B.Sc., (Mathematics)	Srimathi Indira Gandhi College, Trichy	Bharathidasan University	2009 – 2012

## Research Publications (Indexed)

International : 6      National : 4

1. Fixed Point Theorem In M-Fuzzy Metric Space With Integral Type For Weakly Compatible Using Implicit Relation, Journal Of Applied Science And Computation, pp: 176-182, (2018).
2. Fixed Point Theorem For Occasionally Weakly Compatible In Fuzzy Metric Space, (IASIR)American International Journal of Research in Science,Technology,Engineering & Mathematics, pp: 53-56, (2019).
3. Fixed Point Theorems For Semi-Compatible And R-Weakly Commuting In Intuitionistic Fuzzy Metric Space, International Journal Of Scientific Research In Mathematical And Statistical Sciences, pp: 162-166, (2019).
4. Fixed Point Theorems For Fuzzy Map Using Generalized Contraction Implicit Function In Metric Space, International Journal Of Research In Advent Technology, pp: 65-68, (2019).
5. Fixed Point Theorems For Maps From Modular Metric Space To Fuzzy Metric Space, Far East Journal Of Mathematical Science, pp: 145-160, (2019).
6. Fixed Point Theorems For Compatible Type  $\alpha, \beta$  And K In Fuzzy 2-Metric Space, International Journal For Research In Engineering Application And Management, pp: 99-103, (2019).
7. Fixed Point Theorems For Fuzzy Maps In b- Metric Space, Journal Of Information And Computational Science, pp: 101-112, (2019).
8. Fixed Point Theorems In Strong M-Fuzzy Metric Space, Global Journal of Pure and Applied Mathematics, pp: 859-873, (2019).
9. Common Fixed Point Theorems in G-Metric Spaces, Journal Of Information And Computational Science, pp: 433-471, (2019).
10. Fixed point results in controlled fuzzy cone metric spaces with an application to the transformation of solar energy to electric power. VIGNAN'S Pg: 35 2024

## Presentations in Conference

International: 2

## Participation in Conference

International: 3      National: 1

## Participation in Seminars

No. Of Seminar: 1

## Participation in Workshop

No. Of Workshop: 2

S. No	Conference/Workshop Title	Venue	National/ International	Duration
1.	5 <sup>th</sup> International Conference On Mathematical Methods And Computation (ICOMAC-2019)	Jamal Mohamed College, Trichy.	International Conference	20.02.2019 To 21.02.2019
2.	International Conference On Applied Mathematics And Bio- Inspired Computations	Bishop Heber College, Trichy	International Conference	10.01.2019 To 11.01.2019
3.	Advanced Training School On Functional Analysis For Teachers And Research	Indian Institute Of Technology Tirupati, Tirupati	Workshop	11.12.2017 To 23.12.2017
4.	Workshop On Multivariable Calculus And Application	Bharathidasan University, Trichy	Workshop	08.03.2018 To 10.03.2018
5.	Algebraic Topology	Bharathiar University PG Extension Centre, Erode	National Seminar	23.02.2018
6.	Mathematical Analysis Using Maple And Mathematica Trials	AIMAN College Of Arts And Science For Woman, Trichy	Workshop	19.01.2019
7.	Real Analysis	National College Trichy	Workshop	22.02.2019
8.	Emerging Trends In Mathematics And Physical Sciences	Shrimati Indira Gandhi College	International Conference	24.09.2024

## Participation in Faculty Development Programme :

No. Of FDP : 2

- Idea Generation methods conducted by ICT Academy on 12 Dec 2024 to 14 Dec 2024 at Shrimati Indira Gandhi College, Trichy
- Naan Mudhalvan Programme –Power BI by Tamil Nadu Government on 6 Jan 2025 to 11 Jan 2025 at Bharathidasan University, Trichy