

## ACADEMIC PROFILE

**Name** : Dr.P.SHAKILA BANU  
**Designation** : Assistant Professor (Selection Grade)  
**Department** : Mathematics  
**Domain id** : [shakilabanu@vcw.ac.in](mailto:shakilabanu@vcw.ac.in)  
**Mobile Number** : 9786588877  
**Academic Qualification** : M.Sc., M.Phil., PGDCA., Ph.D

Examination	Subject(s)	University	Year of Passing
Under Graduate	Mathematics	Bharathiar University, Coimbatore	2002
Post Graduate	Mathematics	Bharathiar University, Coimbatore	2004
M.Phil.,	Mathematics	Annamalai University, Chidambaram	2006
Ph.D.,	Mathematics	Karpagam University, Coimbatore	2011
PGDCA	Computer Applications	Alagappa University, Karakudi	2020

### Teaching Experience

P.G. : 09 Years

U.G. : 17 Years

**Date of Retirement** : 31.01.2042

**Research Experience** : 14 Years

### Field(s) of Specialization

- Incline Algebra
- Coding Theory

### Research

#### Guidance

- Awarded M.Phil.: 09 Ph.D. : 01
- Guiding Ph.D. : 04

#### Publications

- Journals  
International 24
- Conference Proceedings  
▪ National 01

### Projects

- Completed :  
Women's of Scientists-A (WOS-A), Department of Science and Technology(DST)  
2011-2013 (2 years)  
Title: A study on Regular matrices over an Incline with applications in Neural Network and Automata

## Papers Presented/Attended/Resource Person in Conferences/Seminars/Symposia/FDPs/Workshops

### International

- Presented 06
- Attended 10

### National

- Presented : 13
- Attended : 45
- Resource Person : 02

### State

- Presented : 02
- Attended : 04
- Resource Person : 04

### On Campus

- Presented : 02
- Attended : 38
- Resource Person : 02

## **Membership**

### **Academic Bodies**

- Life Member of Ramanujan Mathematical Society (RMS) (1220)
- Life Member of Academy of Discrete Mathematics and Applications (ADMA)
- Life Member of Indian Mathematical Society (IMS) (1/2016/45)
- Life Member of All India Council for Technical Skill Development (AICTSD/PROFESSOR/03620)
- Life Member of InSc
- Reviewer in American Mathematical Society (AMS)
- Reviewer in ZbMATH
- Mathematical Reviewer in InSc
- Reviewer in Calcutta Mathematical Society
- Reviewer in Asian Journal of Science and Technology
- Member in Board of studies

### **Editorial Board**

- Futuristic Trends in Contemporary Mathematics & Applications, IIP Book Series
- Editor in International Journal of Research Publication

### **On Campus Committees / Clubs / Forums**

- DBT Coordinator (Dept.)
- Website Committee Member
- Discipline Committee Member
- NDLI club member
- Digital Literacy Club member

### **Awards/ Recognitions**

- Awarded **Summer Faculty Research Fellow 2021 (SFRF 2021)** through online mode at IIT Delhi under the guidance of Prof.K.Sreenadh FNASc, Institute Chair Professor, Department of Mathematics, IIT Delhi, New Delhi entitled “Sobolev Spaces and its Applications” under continuing Education Programme held from 29.05.2021- 31.07.2021.
- Young Researcher Award 2020, Institute of Scholars, Karnataka
- Research Excellence Award 2020, Institute of Scholars, Karnataka.

- Completed 8 weeks NPTEL-SWAYAM online certification course on “Computational Mathematics with SageMath”
- Awarded **CSIR Summer Research Training Programme 2020 (CSIR SRTP 2020)** through online mode at North East Institute of Science and Technology (NEIST) under the guidance of Dr.Prashant Kumar, Scientist, SAC, ISRO, Ahmedabad (June 2020 - August 2020)
- Awarded **Summer Research Fellowship 2017 (SRF 2017)** by Indian Academy of Sciences (IAS) Bangalore, National Academy of Sciences India (NASI) Allahabad, Indian National Science Academy (INSA) New Delhi, under the guidance of Prof. B Ramakrishnan, Professor, Department of Mathematics, Harish-Chandra Research Institute, Allahabad (April – June 2017)
- **Best Paper Presentation (I Place):** International Conference on Fuzzy Queuing Theory and its Applications, PG & Research Department of Mathematics, Bharathidasan College of Arts and Science, Erode, 3<sup>rd</sup> September **2016**.
- **Best Paper Presentation (I Place):** *The Roll of Regular Incline Matrices in Automata Theory*, 2<sup>nd</sup> Annual Research Congress (KUARC) Karpagam University, Dec. 11, 2010.
- **Best Paper Presentation (I Place):** *Matrices over an Incline*, 1<sup>st</sup> Annual Research Congress (KUARC), Karpagam University, Dec. 7-10, 2009.

**Any other**

- Question Paper Setter at various Autonomous Institutions
- External Member for paper Valuation / Lab practical at various Autonomous Institutions