

Manami Chatterjee



IDENTITY

Date of birth	26/04/1990
Place of Birth	Katwa, West Bengal
Father's name	Deba Prasad Chatterjee
Mother's name	Tanuja Chatterjee
Nationality	Indian
Religion	Hindu
Caste	General
Language known	Bengali, English and Hindi

CONTACT

INFORMATION

Correspondance address

Teachers' Quarter, Bajitpur, Darbhanga-846006
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Permanent Address

Professors Colony, Ramkrishna Road
PO-Bolpur, Dis-Birbhum
West Bengal - 731204

EDUCATION

IIT Madras, Chennai-600036

2019

PhD, Theory of Matrix Analysis
Thesis submitted on 6th June, 2019
Thesis defended on 25th September, 2019
Degree awarded on 30th September, 2019

Visva Bharati, Santiniketan, West Bengal-731235

2013

M.Sc., Mathematics
CGPA : 9.04/10

Visva Bharati, Santiniketan, West Bengal-731235

2011

B.Sc., Mathematics
Percentage in Mathematics : 86.8

Bolpur Girls' High School, Bolpur, Birbhum, West Bengal-731204

2008

West Bengal Council of Higher Secondary Education
Higher Secondary degree
Percentage : 87.2

**RESEARCH
INTERSTS**

- Matrix analysis, studies on various classes of matrices, generalized inverses, matrix inequalities
- Theory of Linear Complementarity problems (LCP)
- Linear algebraic graph theory
- Connections between Fibonacci numbers and matrices etc.

**RESEARCH AND
PUBLICATIONS**

- Manami Chatterjee and K.C. Sivakumar, *Inequalities for group invertible H-matrices*, Linear Algebra Appl., **576** (2019) 158-180.
- Manami Chatterjee and K.C. Sivakumar, *Inverse H-matrices*, Linear Algebra Appl., **572** (2019) 1-31.
- Manami Chatterjee and K.C. Sivakumar, *Intervals of H-matrices and inverse M-matrices*, Linear Algebra Appl., **614** (2021) 24-43.
- Manami Chatterjee, Ajit Iqbal Singh and K.C. Sivakumar, *Fibonacci Fervour in Linear Algebra and Quantum Information Theory*, Delhi International Conference on Mathematics and Applications, Ramjas College, April 2017, published as 4th chapter in the book viz. "Mathematics, its Applications and History", Narosa publishing house, ISBN-978-81-8487-723-6.
- A paper viz. "Group inverses of $\{0, 1\}$ -triangular matrices and Fibonacci numbers" is communicated in "Linear and Multilinear Algebra".
- Manami Chatterjee and K.C. Sivakumar, On the Hadamard product $A^{\circ}A^{\#}$, for a singular M -matrix A , Linear and Multilinear Algebra, vol-71 (2023), 1922-1932.

Achievements

Awarded CSIR-UGC NET research fellowship to pursue the Ph.D. programme in Mathematics (**June 2014 onwards**)

- Awarded Half Time Research Assistantship by IIT Madras to pursue the Ph.D. programme in Mathematics (**January 2015 onwards**)
- Awarded National Board for Higher Mathematics M.Sc. Scholarship (**2011- 2013**)
- Received prizes of merit for performance in B.Sc. in Visva Bharati (**2011**)

**WORKSHOPS AND
CONFERENCES**

- **Advanced Instructional School in Matrix Analysis**
Shiv Nadar University, Greater Noida
Attended ATM school in summer 2016
- **21st conference of the International Linear Algebra Society**
Presented the talk "Inequalities regarding group invertible H -matrices"
ILAS 2017:Connections, July 24-28, 2017, Iowa State University in Ames, Iowa, USA.
- **International Conference on Linear Algebra and its Applications**
Presented the talk "A relation between Fibonacci numbers and a class of matrices"
ICLAA 2017, December 11-15, 2017, Manipal Academy of Higher Education, Mani-

pal, India.

- **International Conference on Analysis and its Applications: A Celebration of Professor S.H. Kulkarni's 65th Birthday**

Presented the talk "Some new results on *H*-matrices"

SHK Fest 2018, June 18-22, 2018, Indian Institute of Technology Madras, Chennai, India.

TEACHING
ASSISTANCE

Have been a teaching assistant (the work included conducting tutorials and correcting quizzes and examinations) for the following courses:

- Series and Matrices (B.Tech. course)
- Applied Linear Algebra (M.Sc. course)
- Advanced Linear Algebra (M.Sc. course)
- Real Analysis and Linear Algebra for Engineers (B.Tech course)

EXPERIENCE

- Research Associate at IIT Madras from 7th June, 2019 to 6th December, 2019, 45000 p.m.

- Research Associate at Shiv Nadar University from 3rd February, 2020 to 30th April, 2020, 47000 p.m.

- Assistant Professor at K.K. University, Nalanda, Bihar 2nd November, 2020 to 10th December, 2020, 21600 p.m.

- Assistant Professor at St. Joseph's College (Autonomous), Bangalore from 1st February-31st May, 2021.

- Assistant Professor at Vellore Institute of Technology, Amaravati from 1st June to 31st August, 2021.

- Assistant Professor(Guest faculty) at C.M. College, Darbhanga from 18th July, 2022 to 18th December, 2023.

- Assistant Professor at Gushkara Mahavidyalaya, West Bengal from 26th December, 2023-31st January, 2025.

- Assistant Professor at C.M. College, Darbhanga from 1st February.

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