Curriculum Vitae

Dr. Sriparna Chattopadhyay

Present Position:

Assistant Professor (Mathematics),
Department of Applied Science and Humanity,
NIFFT Ranchi, Hatia

Personal Details

- Date of Birth : 04/04/1987
- Nationality : Indian
- Marital stratus : Married
- E-mail: sriparnamath@gmail.com

Academic Qualifications

BOARD/ UNIVERSITY	COLLEGE/ SCHOOL	DEGREE	MARKS	DIVISION /CLASS	YEAR
IIT Kharagpur	IIT Kharagpur	Ph. D	-	-	2015
Visva-Bharati, Santiniketan	Siksha-Bhavana	M.Sc. (in Pure Mathematics)	86.16%	First Class 1st Rank	2009
Visva-Bharati, Santiniketan	Siksha-Bhavana	B.Sc. (Mathematics Honours)	83.3%	First Class	2007
West Bengal Council of Higher Secondary Education	Gushkara P.P. Institution	Higher Secondary	83.7%	First Division	2004
West Bengal Board of Secondary Education	Aruar H.D.S. BalikaVidyalaya	Madhyamik	83%	First Division	2002

Achievements

- Selected for NPDF sponsored by SERB-DST, August 2017.
- All India Rank 99(CSIR) in NET examination December, 2010.
- All India Rank-28 in GATE examination, 2010.
- 1st Class First in M.Sc. in Mathematics from Visva-Bharati University, 2007-09.

Title of the Ph. D Thesis : Some Graph Theoretic and Spectral Results on Power Graphs of Certain Finite Groups

Journal Publications

1) Sriparna Chattopadhyay, Kamal Lochan Patra and Binod Kumar Sahoo, ''Laplacian eigenvalues of the zero divisor graph of the ring $\mathbf{Z}$n'', Linear Algebra and Its Applications (**SCI indexed**), Vol. 584, pp. 267-286, 2020.

2) Sriparna Chattopadhyay, Kamal Lochan Patra and Binod Kumar Sahoo, "Vertex connectivity of the power graph of a finite cyclic group," Discrete Applied Mathematics (**SCI indexed**) Vol. 266, pp. 259-271, 2019.

3) Sriparna Chattopadhyay, Kamal Lochan Patra and Binod Kumar Sahoo, "Vertex connectivity of the power graph of a finite cyclic group II," Journal of Algebra and Its Applications (**SCIE indexed**) (Article in Press)

   DOI: 10.1142/S0219498820500401

4) Sriparna Chattopadhyay, Pratima Panigrahi and Fouzul Atik, "Spectral radius of power graphs on certain finite groups," Indagationes Mathematicae (**SCIE indexed**) , Vol. 29, pp.730-737, 2018.

5) Sriparna Chattopadhyay and Pratima Panigrahi, "Some structural properties of power graphs and k-power graphs of finite semigroups," Journal of Discrete Mathematical Sciences and Cryptography (**SCOPUS indexed**), Vol. 20, pp. 1101-1119, 2017.

6) Sriparna Chattopadhyay and Pratima Panigrahi, "On sum of powers of the Laplacian eigenvalues of power graphs of certain finite groups," Electronic Notes in Discrete Mathematics (**SCOPUS indexed**), Vol. 63, pp. 137-143, 2017.

7) Sriparna Chattopadhyay and Pratima Panigrahi, "On Laplacian spectrum of power graphs of finite cyclic and dihedral groups," Linear and Multilinear Algebra (**SCIE indexed**), Vol. 63, pp. 1345-1355, 2015.

8) Sriparna Chattopadhyay and Pratima Panigrahi, "Connectivity and planarity of power graphs of finite cyclic, dihedral and dicyclic groups," Algebra and Discrete Mathematics (**SCOPUS indexed**), Vol. 18, pp.42-49, 2014.

Papers published in Conference Proceedings

1) Sriparna Chattopadhyay and Pratima Panigrah*i, "*Power Graphs of Finite Groups of Even Order," *CCIS* Springer-Verlag (**SCOPUS indexed**), Vol. 283, pp. 62-67, 2012.

Papers Presented in Conferences

1) "On adjacency and Laplacian spectrum of power graphs of some finite groups", International Conference on Linear Algebra and its Applications, Manipal University, 18-20th December, 2014.

2) "On the spectrum of power graphs of finite cyclic and dihedral groups", National Workshop and Conference on Discrete Mathematics and its Applications, Jadavpur University, Kolkata, 10-14th March, 2014.

Teaching/Research Experience

- National Post Doctoral Fellow (NPDF) at NISER Bhubaneswar from 15.09.2017 to 10.06.2019.
- Institute Post Doctoral Fellow at NISER Bhubaneswar from 16.09.2016 to 14.09.2017.
- Assistant Professor at A. M. College Jhalda (Through West Bengal College Service Commision) from 23.04.2015 to 14.09.2016.

Reviewer of the SCIE indexed Journals:

- Linear and Multilinear Algebra (Taylor and Francis).
- Journal of Algebra and its Applications (World Scientific).
- Utilitas Mathematica.