

# Sagarmoy Bag



---

## Permanent Address

Vill-Manasadwip, P.O- Khasmahal, P.S-Sagar, Dist-South 24 pgs(S), Pin-743373.

---

## Personal Details

Father's Name- Mahadev Bag.  
Date of Birth-6th April 1992.  
Ph. No.-9875368133.  
Email [Id.- sagarmoy.bag01@gmail.com](mailto:sagarmoy.bag01@gmail.com)

---

## Awards and Academic Achievements

- I have selected for JRF by NBHM(National Board for Higher Mathematics) in 2015.
- I have ranked 382(All India) in GATE 2015 in Mathematics discipline
- I have ranked 14 in B.Sc. under C.U.
- I have ranked 2 in M.Sc. under C.U.

---

## Qualification

Year	Examination	Institution	Board	Percentage
2015(DEC)	NET(JRF)		CSIR-UGC	
2015(JUNE)	NET(LS)		CSIR-UGC	
2014	M.Sc.(Pure Mathematics)	Ballygunge Science College	University of Calcutta	93.3%
2012	B.Sc.(Math Hons)	Vidyasagar Evening College	University of Calcutta	77.375%
2009	H.S	Debnagar M.D.H.S. School	W.B.C.H.S.E	72.2% Math-100
2007	Madhyamik	Manasadwip R.K. Mission High School	W.B.B.S.E	80.875% Math-91

---

## Designation

Senior Research fellow at the Department of Pure Mathematics, University of Calcutta.

---

## Supervisor's Name

Dr. Dhananjay Mandal and Prof. Sudip Kumar Acharyya

---

## Publications

- Some new results on functions in  $C(X)$  having their support on ideals of closed sets, S. K. Acharyya, S. Bag, G. Bhunia, P. Rooj, *Quaestiones Mathematicae* (2018), DOI: 10.2989/16073606.2018.1504830.
- $z^{\infty}$ -ideals in intermediate rings of ordered field valued continuous functions, S. Bag, S. K. Acharyya, *Questions and Answers in General Topology* (2018).
- A class of ideals in intermediate rings of continuous functions, S. Bag, S. K. Acharyya, D. Mandal, *Applied General Topology* (2018), DOI: 10.4995/agt.2019.10171.
- Ideals in Rings and Intermediate rings of measurable functions, S. K. Acharyya, S. Bag, and J. Sack, *Journal of Algebra and Its Applications*, DOI: 10.1142/S0219498820500383.
- Recent progress in rings of measurable functions, S. Acharyya, S.K. Acharyya, S. Bag, J. Sack., *Quaestiones Mathematicae*.

---

## Present area of interest and research

General Topology, Rings of Continuous Functions, Rings of Measurable Functions

---

## Papers Presented

- "National Seminar on Contemporary Research in Theoretical and Applicable Mathematics 2017", September 08-09,2017, Organized by Department of Mathematics, The Bhwanipur Education Society College, Kolkata.
- "International Conference on Mathematics and its Applications", February 15-17,2018, Organized by Department of Mathematics, The University of Burdwan, Burdwan.

---

## Thesis Submission

I have submitted my Ph.D. thesis on 17th January 2019. The title of my Ph.D. thesis is "**Rings and Intermediate Rings Of Continuous Functions And Measurable Functions**".