# **Curriculum Vitae**



# **Personal Information:**

Name: Dr. Upasana Samanta

**Official Designation:** Assistant Professor

**Official Address**: Department of Mathematics

Chandidas Mahavidyalaya

Khujutipara, Birbhum

West Bengal, India-731215

Date of Birth: 26.01.1990

# **Contact Details:**

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## **Academic Information:**

Program/ Course	Subject/ Specialization	Institution	Year of completion	% of Marks	Division /Grade
		Department of Mathematics, Jadavpur University, Kolkata-32			

Ph.D. Mathematics	Selection Principles in Topology		2020	-	-
	Methodology of Teaching: Mathematics, Physical Science	Vinaya-Bhavana Visva-Bharati, Santiniketan			
B.Ed.	Educational Statistics		2014	70.25	1st
M.Sc	Mathematics ( <b>Specialization:</b> Topology, Functional Analysis)	Department of Mathematics, Siksha- Bhavana, <b>Visva-Bharati</b> , Santiniketan, India.	2013	91.4	Grade-S
B.Sc. (Hons.)	Mathematics (Hons.)	Department of Mathematics, Siksha- Bhavana <b>, Visva-Bharati</b> , Santiniketan, India.	2011	81.4	1 st
Pre- Degree (Higher Secondary)	Ben, Eng, Math, Physics, Chemistry, Statistics, Rabindra Sangeet	Uttar Siksha Sadana, Visva- Bharati, Santiniketan, India	2008	88.27	1st
School	Ben, Eng, History, Geography, Phy	Patha-Bhavana, Visva-Bharati, Santiniketan			
Certificate Examination (Secondary)	Sc., Life Sc., Math, Additional Subject-Math		2006	91	1st

#### **Scholastic Achievements:**

- CSIR-UGC TEST (NET) December (15) JRF Rank-31;
- GATE 2015- All India Rank-40
- GATE 2014- All India Rank-71
- Awarded NBHM Ph.D Research Scholarship- 2013-14.
- Awarded INSPIRE Fellowship for securing 1<sup>st</sup> rank in M.Sc in Mathematics in Visva-Bharati for the year 2013.
- Selected for DS Kothari Post Doctoral Fellowship-2021
- Ranked 1<sup>st</sup> in M.Sc in Mathematics in Visva-Bharati (2013)
- Ranked 2<sup>nd</sup> in B.Sc (Honours) in Mathematics in Visva-Bharati (2011)

Post	Institution/Organization	Period
Assistant Professor	Department of Mathematics, <b>Chandidas Mahavidyalaya</b> Khujutipara, Birbhum.	13.12.2023 – Till Date
Assistant Professor	Department of Mathematics, Birla Institute of Technology Mesra, Ranchi, Jharkhand, PIN-835215	21.9.2021-12.12.2023

## **Employment Information:**

	Department of Mathematics and Computer Science, Sri Sathya Sai Institute of Higher Learning- Anantapur Campus, Andra Pradesh,	10.9.2020
Part-time faculty	PIN-515001	19.9.2021

### **Paper Publications:**

- 1. Completeness and Compactness of finite dimensional fuzzy n-normed linear spaces, Upasana samanta, T. Bag, **Annals of Fuzzy Mathematics and Informatics**, 7(5) (2014), 837–850.
- 2. On τ-covers using ideals and some of its consequences, Debraj Chandra, Pratulananda Das, Upasana Samanta, **Quaestiones Mathematicae**, 2019, 42(2), 243-256 (**UGC Listed and Scie indexedJournal**).
- 3. On certain variations of I-Hurewicz property, Pratulananda Das, Debraj Chandra, Upasana Samanta, **Topology and its Applications**, Vol. 241, June 2018, 363-376 (**UGC Listed and Scie indexed Journal**).
- Some observations on Hurewicz and I-Hurewicz property, Pratulananda Das, Upasana Samanta, Debraj Chandra, Topology and its Applications, 258 (2019) 202-214( UGC Listed and Scie indexedJournal).
- 5. On certain generalized versions of groupability, Pratulananda Das, Upasana Samanta, Debraj Chandra, **Topology and its Applications**, 258 (2019) 47-57 (**UGC Listed and Scie indexedJournal**).
- 6. A more balanced approach to ideal variation of *y*-covers, Pratulananda Das, Upasana Samanta, Debraj Chandra, **Houston Journal of Mathematics**, 46(2), 2020, 519-534 (**UGC** Listed and Scie indexed Journal).
- 7. On ideal sequence covering map, Sudip Kumar Pal, Nayan Adhikary, Upasana Samanta, Applied General Topology, 20 (2) (2019), 363-377

(UGC Listed and SCOPUS indexed Journal).

- 8. Type-2 Fuzzy Metric Spaces, Upasana Samanta, accepted in New Mathematics and Natural Computation, 2023. (UGC Listed and SCOPUS indexed Journal).
- Some results on selection principles in topological spaces using ideals: A Survey, Upasana Samanta, published in 'A survey on applied Mathematics and Statistics', edited book by S. Chakraborty and A. Kanaujiya, Rathore Academic Research publications, New Delhi, 2022, 48-60, ISBN: 978-93-90648-41-2

# Participation in Seminar/Paper Presentation in Seminar:

- 1. International Conference on Nonlinear Dynamics, Analysis and Optimization, 9-11 Dec., 2015, Department of Mathematics, Jadavpur University
- International Conference on Mathematical Analysis and Applications in Modeling, January 9 -12, 2018, Department of Mathematics, Jadavpur University. Presented a paper entitled, 'A study on several forms of star-Hurewicz using ideals.'
- 3. National Seminar on Current Trends in Mathematics and its Applications (NSCTMA-2019), Department of Mathematics, Jadavpur University, Kolkata, 08.03.2019.
- 4. 85<sup>th</sup> Annual Conference of Indian Mathematical Society, An international Meet (IMS 2019), November 22-25,2019, Department of Mathematics, Indian Institute of Technology Kharagpur. Presented a paper entitled, `` A study on some variations of I-Hurewicz property using star-selection principles".
- International Conference On Analysis, Algebra, Combinatoricsand their Applications (ICAACA 2020), Department of Mathematics, Jadavpur University, Kolkata. Presented a paper entitled, `On star-groupability of open covers"
- 6. Online international scientific conference, "Algebraic and geometric methods of analysis "(Odesa, Ukraine, May 26-30, 2020). Presented a talk, titled "A short note on Hurewicz and I- Hurewicz properties in topological spaces".
- Participated in a 5-day international online workshop on 'Trends in Analysis and Topology", (08<sup>th</sup>-12<sup>th</sup> September, 2022), hosted in Malaviya National Institute of Technology, Jaipur.
- 8. 88<sup>th</sup> Annual Conference of Indian Mathematical Society, An International meet (IMS 2022), December 27-30, 2022, held in the Department of Mathematics, BIT Mesra, Ranchi.
  - Presented a paper, entitled, "A Study on some generalized notions of I-convergence".
- 9. 3<sup>rd</sup> International Conference on Nonlinear Applied Analysis and Optimization (ICNAAO 2023), presented titled`` Fixed point theorems in type-2 fuzzy metric spaces".
- 10. Participated and presented a paper entitled "Type-2 fuzzy metric and its decomposition theorem" in the International Conference on Mathematics and applications -2024(ICMA-2024), March 05-06, 2024, held in the Department of Mathematics, The University of Burdwan, Burdwan.