



Sugata Adhya

Assistant Professor

Department of Mathematics

Contact Information

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Specialization

- General Topology



**THE BHAWANIPUR
EDUCATION SOCIETY COLLEGE**

Biographical Sketch

Sugata Adhya is an Assistant Professor of Mathematics in The Bhawanipur Education Society College. He is also pursuing Ph.D. in the Department of Pure Mathematics, University of Calcutta under the supervision of Dr. A. Deb Ray. His research area is focused primarily on General Topology. Sugata Adhya did M.Sc. in Pure Mathematics from the same department in 2012. He has qualified National Eligibility Test (NET) in Mathematics and Graduate Aptitude Test in Engineering (GATE) in Mathematical Sciences.

Academic Qualifications

Abbreviation of the Degree	Name of the University	Class Obtained	Specialization	Year of Passing
Ph.D. (Ongoing)	University of Calcutta	N.A.	General Topology	Ongoing
M.Sc.	University of Calcutta	First Class Grade: O (Outstanding)	Pure Mathematics	2012
B.Sc. (Honors)	University of Calcutta	First Class	Honors in Mathematics	2010

Academic Achievements

- Qualified National Eligibility Test (NET) in Mathematical Sciences, Council of Scientific and Industrial Research (CSIR), India.
- Qualified Graduate Aptitude Test in Engineering (GATE) with Mathematics, Ministry of Human Resource Development (MHRD), India.

Position Holding (Full Time)

- Assistant Professor of Mathematics, The Bhawanipur Education Society College, Kolkata, July 2016-Present.



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Subjects Taught

- Elementary Number Theory (Mathematics Honors Course) | Group Theory (Mathematics Honors Course) | Ring Theory (Mathematics Honors Course) | Linear Algebra (Mathematics Honors Course) | Real Analysis (Mathematics Honors Course) | Complex Analysis (Mathematics Honors Course) | Functions of Several Variables (Mathematics Honors Course) | Metric Spaces (Mathematics Honors Course) | Point Set Topology (Mathematics Honors Course) | Algebra (Mathematics General Course) | Discrete Mathematics (Mathematics General Course) | Calculus (Mathematics General Course).

Research Interests

Fuzzy Metric Space | Topology

Journal Publications

- S. Adhya and A. Deb Ray, On Weak G-Completeness for Fuzzy Metric Spaces, Soft Computing (Print ISSN: 1432-7643; SCIE, Scopus Indexed), Volume 26, No. 5, pp.2099-2105 (2022).
- S. Adhya & A. Deb Ray, On Lebesgue Property for Fuzzy Metric Spaces, TWMS Journal of Applied and Engineering Mathematics (Print ISSN: 2146-1147; Scopus Indexed), Volume 11, No. 2, pp. 552-560 (2021), preprint: <https://arxiv.org/abs/1812.03093>.
- S. Adhya & A. Deb Ray, Some Properties of Lebesgue Fuzzy Metric Spaces, Sahand Communications in Mathematical Analysis (Print ISSN: 2322-5807; Scopus Indexed), Volume 18, No. 1, pp. 1-14 (2021), preprint: <https://arxiv.org/abs/2001.09840>.
- S. Adhya & A. Deb Ray, Product of Generalized Quasi-Uniform Spaces, Journal of Advanced Studies in Topology (Print ISSN: 2090-8288), Volume 10, Issue 1, pp. 62-67 (2019). Levant Books, Kolkata. ISBN no: 978-93-84106-86-7.

Contributed Talks

- Presented a paper in the National Seminar on Current Trends in Mathematics and its Applications (NSCTMA 2019), Department of Mathematics, Jadavpur University, Kolkata, India (Mar 08, 2019).
- Presented a paper in the National Seminar on Recent Advances in Mathematics and its Applications (RAMA 2018), Department of Pure Mathematics, University of Calcutta, Kolkata, India (Mar 08, 2018).





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Training & Participations

Faculty Development Programme:

- Completed the 2-Week Online Faculty Development Programme on “Research Methodology”, Teaching Learning Centre, Ramanujan College, University of Delhi, New Delhi, India (Oct 01-15, 2020).
- Completed the 4-Week Online Induction/Orientation Programme for Faculty in Universities /Colleges/Institutes of Higher Education, Teaching Learning Centre, Ramanujan College, University of Delhi, New Delhi, India (Jun 26-Jul 24, 2020).
- Attended the 1-Week Advanced Training in Mathematics Teachers Enrichment Workshop (ATM-TEW) on Linear Algebra and Analysis, Presidency University, Kolkata, India (Dec 02-07, 2019).
- Attended the 2-Week Advanced Training in Mathematics Instructional School for Teachers (ATM-IST) on Topology, Indian Statistical Institute, Bangalore, India (May 14-26, 2018).
- Attended the Faculty Development Programme on Preparing for Challenges in Higher Education Institution, The Bhawanipur Education Society College, Kolkata, India (Sep 23-29, 2016).

Conferences/Workshop in Mathematics:

- Participated in the International Web-Conference on Complex Analysis and Differential Geometry: Revisiting (IWCADGR 2020), Department of Mathematics, Sidho-Kanho-Birsha University, Purulia, India (Jun 29-30, 2020).
- Participated in the National Seminar on Current Trends in Mathematics and its Applications (NSCTMA 2019), Department of Mathematics, Jadavpur University, Kolkata, India (Mar 08, 2019).
- Participated in the National Seminar on Recent Advances in Mathematics and its Applications (RAMA 2018), Department of Pure Mathematics, University of Calcutta, Kolkata, India (Mar 08, 2018).
- Participated in the National Seminar on Recent Advances in Mathematics and its Applications (RAMA 2017), Department of Pure Mathematics, University of Calcutta, Kolkata, India (Mar 01-02, 2017).





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Conferences/Workshop in Mathematics:

- Participated in the One-day Workshop on Interesting Mathematical Concepts for Non-Mathematicians, South Calcutta Girls College and R. C. Bose Centre for Cryptology and Security, Indian Statistical Institute, Kolkata, India (Dec 01, 2015).
- Participated in the International Seminar on History and Philosophy of Mathematics, Asutosh Mookerjee Memorial Institute and Bose Institute, Kolkata, India (Feb 20-24, 2014).

Events Organized

- Organized a Webinar on History of Science, Science in History, Department of Mathematics, The Bhawanipur Education Society College, Kolkata, India (Jun 15, 2020).
- Organized the National Seminar on Contemporary Research in Theoretical and Applicable Mathematics (CRTAM 2018), Department of Mathematics, The Bhawanipur Education Society College, Kolkata, India (Sep 14-15, 2018).
- Organized the National Seminar on Contemporary Research in Theoretical and Applicable Mathematics (CRTAM 2017), Department of Mathematics, The Bhawanipur Education Society College and Calcutta Mathematical Society, Kolkata, India (Sep 08-09, 2017).
- Organized the Two-Day Workshop on Mathematics, Computer Science and Cryptography, Department of Mathematics & Computer Science, The Bhawanipur Education Society College and R. C. Bose Centre for Cryptology and Security, Indian Statistical Institute, Kolkata, India (Jan 30-31, 2017).
- Visited Matelli Tea Garden (Jalpaiguri, West Bengal) with Students of Science Section, The Bhawanipur Education Society College, Kolkata, India (Feb 21, 2020).
- Visited Jaldhaka Hydel Project (Kalimpong, West Bengal) with Students of Science Section, The Bhawanipur Education Society College, Kolkata, India (Feb 20, 2020).





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Membership In Professional Body

- Life Member, Calcutta Mathematical Society, India (2016 Onwards).

Vision Statement

- To make students realize their true mathematical potential and mathematical problem solving ability by providing supportive learning environment.
- To teach mathematics by engaging students in interesting and challenging mathematical tasks.
- To make students realize that mathematical ability of a human being is not fixed and can be significantly enhanced.

Signature of the
Faculty Member

Date: 01st September, 2022



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