

Dr. Amar Kumar Banerjee
Department of Mathematics, The University of Burdwan

Designation: Professor

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Date of Birth: 27.01.1971

Academic Qualifications:

Exam Passed	year of Exam.	Board/ University	Div./ Class
Madhyamik	1986	W.B.B.S.E.	1 st
Higher Secondary	1988	W.B.C.H.S.E.	1 st
B.Sc.(Hons.)	1991	Burdwan University	1 st
M.Sc.	1993	Burdwan University	1 st
NET (UGC)	1996		
Ph.D.	2006	Jadavpur University	

Experiences: 17 years (UG- 9 years, PG- 10 years):

Name of College/University	Designation	Duration
St. Paul's Cathedral Mission College, Kolkata	Lecturer	06.07.1999-05.07.2005
St. Paul's Cathedral Mission College, Kolkata	Sr. Lecturer	06.07.2005- 30.06.2008
The University of Burdwan, Burdwan	Reader	01.07.2008-30.06.2011
The University of Burdwan, Burdwan	Associate Professor	01.07.2011- 09.01.2017
The University of Burdwan, Burdwan	Professor	10.01.2017- Till Date

Area of research: General Topology, Summability theory, Measure and integration.

Ph.D. Supervised: Total No. 3

- (i) **Tanusree Choudhury (awarded in 2013)**
- (ii) **Pratap Kumar Saha (awarded in 2017)**
- (iii) **Apurba Banerjee (awarded in 2017)**

Member of several Bodies.:

- (i) Member, Post Graduate Board of Studies in Mathematics, Dept. Of Mathematics, Burdwan University
- (ii) Member, Board of Research Studies in Mathematics, Dept. Of Mathematics, Burdwan University
- (iii) Member, Under Graduate Board of Studies, Dept. Of Mathematics, Burdwan University
- (iv) Course Coordinator in Mathematics, DDE, Burdwan University
- (v) Chairman, Post Graduate Board of Studies in Mathematics, DDE, Burdwan University
- (vi) Member, Under Graduate Board of Studies in Mathematics, Netaji Subhas Chandra Bose Open University

- (vii) Former Member of Advisory Committee of Academic Staff College, Burdwan University
- (viii) Member of Advisory Committee, DDE, Burdwan University

Member of academic Org.:

- (i) Life member of Calcutta Mathematical Society, Kolkata, West Bengal, India
- (ii) Member of the Editorial Board of FOCUS, Netaji Mahavidyalaya, Arambag, Hoogly, West Bengal, India.

Associated with any other Work:

- (i) Acted as Head, Department of Mathematics, Burdwan University
- (ii) Acted as reviewer of several journals
- (iii) Acted as Secretary, General Provident Fund, St. Paul's Cathedral Mission College, Kolkata

Recent Publications:

(a) Books:

- (i) Metric Spaces and Complex Analysis, New Age International (P) Limited Publishers, New Delhi, (2008),
ISBN(10):81-2242060-8
ISBN(13):978-81-224-2060-3
- (ii) Metric Spaces and Complex Analysis, New Academic Science Limited,(2015),
27, Old Gloucester Street, London, WCIN 3AX, U.K.
ISBN: 978-1-906574-95-6

(b) Self Learning Study Materials:

(Under Directorate of Distance Education, Burdwan University)

- (i) General Topology-I (Paper MPG 301) for Semester III, 2008
- (ii) General Topology-II (Paper MPG 402) for Semester IV,2009
- (iii) Operator Theory and Applications-II(Special Paper MPS 404) for Semester IV, 2009

(c) Research Papers:

- Pratulananda Das and **Amar Kumar Banerjee**, *A Note on ψ -density topology*, Kochi Journal of Mathematics,3, 2008,211-216
- **Amar Kumar Banerjee**, *A Note on density in a bispaces*, Bull. Cal. Math. Soc.,100,(1),2008,67-72.
- Pratulananda Das and **Amar Kumar Banerjee**, *On the sparse set topology*, Mathematica Slovaca, 60(3),(2010),319-326 .
- **Amar Kumar Banerjee** and Pratap Kumar Saha, *Bispaces Group*, International J.of Math. Sci.& Engg. Appls.,5(V), 2011,41-47.

- **Amar Kumar Banerjee** and Pratap Kumar Saha , *Semi open sets in bispaces*, CUBO A Mathematical Journal, 17(1), 2015,99-106.
- **Amar Kumar Banerjee** and Apurba Banerjee, *A Note on I - convergence and I^* - convergence of sequences and nets in topological spaces*, Matematicki Vesnik, 67(3),2015,212-221
- **Amar Kumar Banerjee** and Pratap Kumar Saha, *Quasi-open Sets in Bispaces*, Gen. Math. Notes, 30(2), 2015,1-9.
- **Amar Kumar Banerjee**, *Sparse set topology and the space of proximally continuous mappings*, South Asian Journal of Mathematics,6(2),2016,58-63.
- **Amar Kumar Banerjee** and Pratap Kumar Saha, *b^* -Open sets in bispaces*, International journal of Mathematics and Statistics Invention,4(6),2016,39-43.
- **Amar Kumar Banerjee** and Rahul Mondal, *A Note on discontinuity of mappings in a bispaces*, Journal of the Calcutta Mathematical Society,13,(2),2017, 105-112
- **Amar Kumar Banerjee** and Rahul Mondal, *A Note on connectedness in a bispaces* , Malaya Journal of Matematik, 5(1), 2017,104-108
- **Amar Kumar Banerjee** and Rahul Mondal, *A Note on convergence of double sequences in a topological space*, Matematicki Vesnik, 69(2),2017,144-152.
- **Amar Kumar Banerjee** and Pratap Kumar Saha, *Pre-open sets in bispaces*, South East Asian Journal of Mathematics and Mathematical Sciences, 13(2), 2017,63-74.
- **Amar Kumar Banerjee** and Pratap Kumar Saha, *Pairwise semi bicomact and pairwise semi Lindeloff bispaces*, International Journal of Math. Sci. & Engg. Appls. ,11(II),2017, 47-56.
- **Amar Kumar Banerjee** and Apurba Banerjee, *I -Convergence classes of sequences and nets in topological spaces*, Jordan Journal of Mathematics and Statistics, 11(1),2018, 13-31
- **Amar Kumar Banerjee** and Jagannath Pal, *Semi λ^* -Closed sets and new separation axioms in Alexandroff spaces*, South East Asian Journal of Mathematics and Mathematical Sciences, 14(1), 2018,115-134.
- **Amar Kumar Banerjee** and Apurba Banerjee, *A study on I -Cauchy sequences and I -divergence in S -metric spaces*. Malaya Journal of Matematik, 6(2), 2018,326-330.
- **Amar Kumar Banerjee** and Jagannath Pal, *λ^* -Closed sets and new separation axioms in Alexandroff spaces*, Math.arxiv 1609.05150v1(to appear in The Korean Journal of Mathematics)
- **Amar Kumar Banerjee** and Apurba Banerjee, *I -completeness in function spaces*, Math.arxiv 1704.05279v1(to appear in Tatra Mountains Mathematical Publications)
- **Amar Kumar Banerjee** and Rahul Mondal, *Rough convergence of sequences in a cone metric space*, Math.arxiv 1805.10257v1
- **Amar Kumar Banerjee** and Anirban Paul, *I -divergence and I^* -divergence in cone metric spaces*, Math.arxiv 1806.09188v1
- **Amar Kumar Banerjee** and Mahendranath Paul, *A Note on $I^{\#}$ and $I^{\#*}$ - convergence in topological spaces*, Math.arxiv 1807.11772v1

- **Amar Kumar Banerjee** and Mahendranath Paul, *Strong $I^{\mathbb{R}}$ -convergence in probabilistic metric spaces*, Math.arxiv 1808.03268v1
- **Amar Kumar Banerjee** and Jagannath Pal, *New separation axioms in generalized bitopological spaces*, Math.arxiv 1810.05390v1
- **Amar Kumar Banerjee** and Anirban Paul, *On I and I^* -Cauchy conditions in C^* -algebra valued metric spaces*, Math.arxiv 1811.05662v1
- **Amar Kumar Banerjee** and Mahendranath Paul, *Weak and weak* $I^{\mathbb{R}}$ -convergence in normed spaces*, Math.arxiv 1811.06707v1