Brief Profile

Name: Dr. Anjana Bhattacharyya

Designation: Associate Professor

Department: Mathematics

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Highest Qualification (Year and Name of the University or Institute if applicable) : Ph.D (2007, University of Calcutta)

Teaching Experience: 17 years 5 months

Subjects Taught: (Mention broad areas only) Mathematics

Vidwan id: 494820

Research Experience: 27 years

Research Interest: Fuzzy Topology

Awards or Recognitions received (Achievements): Gold Medal from University of Calcutta (securing 1st Class 1st Position in M.Sc.)

Member of Professional Bodies: Calcutta Mathematical Society, Indian Science Congress Association

List of Selected Publications:

Sl. No.	Title of the Paper(s)	Name of the Author(s)	Name of the Journal	Vol.,No., Year, Page(s), ISSN / ISBN No.
1	On Irresolute fuzzy multifunctions	R.P. Chakraborty and Anjana Bhattacharyya	Jour. Pure Math.	14, 1997, 26 – 34,
2	δ_p-Almost Compactness for fuzzy topological spaces	Anjana Bhattacharyya and M.N. Mukherjee	Indian J. Pure Appl. Math.	31 (5) 2000, 519–531, 0019-5588
3	On fuzzy δ-almost continuous and δ^*-almost continuous functions	Anjana Bhattacharyya and M.N. Mukherjee	Jour. Tri. Math. Soc.	2, 2000, 45 – 57.

4	On α-S-closed crisp subsets of a fuzzy topological space	Anjana Bhattacharyya and M.N. Mukherjee	Jour. Pure Math.,	18, 2001, 17 – 27.
5	Concerning almost Quasi Continuous fuzzy multifunctions	Anjana Bhattacharyya	Universitatea Din Bacău Studii Şi Cercetări Ştiinţifice Seria : Matematică	Nr.11 2001, 35 – 48, 1224-2519
6	α-almost compactness for crisp subsets in a fuzzy topological spaces	M.N. Mukherjee and Anjana Bhattacharyya	Jour. Fuzzy Maths.	11 (1), 2003, 105 – 113, 1066-8950
7	On θ_α-closed sets, θ_α-continuity and α-almost compactness for crisp subsets in a fuzzy topological space	M.N. Mukherjee and Anjana Bhattacharyya	Jour. Fuzzy Maths.	11 (2), 2003, 259 – 268, 1066-8950
8	Concerning fuzzy grills : Some applications	Anjana Bhattacharyya, M.N. Mukherjee and S.P. Sinha	Hacettepe Journal of Mathematics and Statistics	34 S 2005, 91 – 100, 1303 5010
9	Semicompactness in fuzzy topological spaces	R.P. Chakraborty, Anjana Bhattacharyya and M.N. Mukherjee	Bull. Malays. Math. Sci. Soc.	(2) 28 (2), 2005, 205 – 213, 0126-6705
10	A note on almost quasi continuous fuzzy multifunctions	Anjana Bhattacharyya and M.N. Mukherjee	Universitatea Din Bacău Studii Şi Cercetări Ştiinţifice Seria : Matematică	Nr.17, 2007, 33 – 44, 1224-2519
11	A note on α-almost compactness in terms of θ^0-sets and θ^c-sets	Anjana Bhattacharyya and M.N. Mukherjee	Jour. Fuzzy Maths.	17 (4), 2009, 777-782, 1066-8950
12	A note on α-compact fuzzy topological spaces	M.N. Mukherjee, R.P. Chakraborty and Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research Series Mathematics and Informatics	22 (1), 2012, 65-70, 2067-3566
13	Upper and lower weakly quasi continuous fuzzy multifunctions	Anjana Bhattacharyya	Analele Universităţii Oradea Fasc. Matematica	Tom XX, Issue No. 2, 2013, 5-17, 1221-1265
14	On α-s-closed crisp subsets of a fuzzy topological space	Anjana Bhattacharyya and M.N. Mukherjee	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research Series	23 (2), 2013, 23-33, 2067-3566

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15	On upper and lower δ-precontinuous fuzzy multifunctions	Anjana Bhattacharyya	International Journal of Advancements in Research and Technology	2 (7), July 2013, 328-333, 2278-7763
16	Concerning fuzzy strongly irresolute multifunctions	Anjana Bhattacharyya	International Journal of Advancements in Research and Technology	2 (8), August 2013, 125-129, 2278-7763
17	$fg^*\alpha$-continuous functions in fuzzy topological spaces	Anjana Bhattacharyya	International Journal of Scientific and Engineering Research	4 (8), August, 2013' 973-979, 2229-5518
18	A note on upper and lower δ-precontinuous fuzzy multifunctions	Anjana Bhattacharyya	International Journal of Marketing and Technology	3 (11), November, 2013, 88-98, 2249-1058
19	Further characterizations and some applications of upper and lower weakly quasi continuous fuzzy multifunctions	Anjana Bhattacharyya	International Journal of Engineering, Science and Mathematics	2 (4), December, 2013, 49-61, 2320-0294
20	α-δ_p-almost compactness for crisp subsets in a fuzzy topological space	Anjana Bhattacharyya	International Journal of Advanced Research	1 (8), 2013, 498-507, 2320-5407
21	β^*-closure operator in fuzzy setting	Anjana Bhattacharyya	Jour. Fuzzy Maths.	22 (1), 2014, 203-212, 1066-8950
22	A note on upper and lower weakly quasi continuous fuzzy multifunctions	Anjana Bhattacharyya	International Journal of Pure and Applied Mathematics	92 (4), 2014, 471-480, 1311-8080
23	s^*-closure operator and s^*-regularity in fuzzy setting	Anjana Bhattacharyya	International Journal of Pure and Applied Mathematics	96 (2), 2014, 279-288, 1311-8080
24	α^*-closure operator in fuzzy setting	Anjana Bhattacharyya	Analele Universităţii Oradea Fasc. Matematica	Tom XXI, Issue No. 2, 2014, 65-72, 1221-1265
25	On δ_p^α-closed sets, δ_p^α-continuity and α-δ_p-almost compactness for crisp subsets in a fuzzy topological space	Anjana Bhattacharyya	Carib. Jour. Sci. Tech.	2, 2014, 251-256, 0799-3757

26	Fuzzy generalized open sets	Anjana Bhattacharyya	Annals of Fuzzy Mathematics and Informatics	7 (5), May 2014, 829-836, 2093-9310
27	Fuzzy β-irresolute mapping	Anjana Bhattacharyya	International Research Journal of Mathematics and Engineering	1 (7), November 2014, 30-37, 2349-0322
28	fg-regular and fg-normal spaces	Anjana Bhattacharyya	International Journal of Engineering and Scientific Research	2 (7), 2014, 122-132, 2347-6532
29	p^*-closure operator and p^*-regularity in fuzzy setting	Anjana Bhattacharyya	Mathematica Moravica	19 (1), 2015, 131-139, 1450-5932
30	Fuzzy upper and lower M-continuous multifunctions	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research Series Mathematics and Informatics	25 (1), 2015, 125-144, 2067-3566
31	Unified version of fuzzy generalized open sets on fuzzy topological spaces	Anjana Bhattacharyya	Analele Universităţii Oradea Fasc. Matematica	Tom XXII, Issue No. 1, 2015, 69-74, 1221-1265
32	α-β- almost compactness for crisp subsets in a fuzzy topological space	Anjana Bhattacharyya	International Journal of Engineering and Scientific Research	3 (4), 2015, 94-105, 2347-6532
33	Fuzzy γ-continuous multifunction	Anjana Bhattacharyya	International Journal of Advance Research in Science and Engineering	4 (2), 2015, 195-209, 2319-8354
34	λ-α-almost compactness for crisp subsets in a fuzzy topological space	Anjana Bhattacharyya	International Journal of Engineering and Scientific Research	4 (4), 2016, 29-39, 2347-6532
35	On p^α-closed sets, p^α-continuity and α-p-almost compactness for crisp subsets in a fuzzy topological space	Anjana Bhattacharyya	International Journal of Mathematics, Engineering and IT	3 (3), 2016, 1-7, 2349-0322
36	On β^α-closed sets, β^α-continuity and α-β-almost compactness for crisp subsets in a fuzzy topological space	Anjana Bhattacharyya	Analele Universităţii Oradea Fasc. Matematica	Tom XXIII, Issue No. 1, 2016, 81-85, 1221-1265
37	Fuzzy generalized continuity	Anjana Bhattacharyya	Annals of Fuzzy Mathematics and Informatics	11 (4), 2016, 645-659, 2093-9310

38	Fuzzy upper and lower almost contra-continuous multifunctions	Anjana Bhattacharyya	Jour. Fuzzy Maths.	24 (2), 2016, 387-402, 1066-8950
39	α-p-almost compactness for crisp subsets in a fuzzy topological space	Anjana Bhattacharyya	Bull. Cal. Math. Soc.	108 (1), 2016, 77-86, 0006-0659
40	Several concepts of fuzzy generalized continuity in fuzzy topological spaces	Anjana Bhattacharyya	Analele Universităţii Oradea Fasc. Matematica	Tom XXIII, Issue No. 2, 2016, 57-68, 1221-1265
41	Several Concepts of Continuity in Fuzzy Setting	Anjana Bhattacharyya	The 10^{th} International Conference MSAST 2016,	December 21-23, 2016, Kolkata, India, 282-293 978-925832-4-2 (ISBN)
42	fgs^*-Closed Sets and fgs^*-Continuous Functions in Fuzzy Topological Spaces	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Vol. 26, No. 2 (2016), 95-114, 2067-3566
43	Several concepts of continuity in fuzzy m-space	Anjana Bhattacharyya	Annals of Fuzzy Mathematics and Informatics	Vol. 13, No. 2 (2017), 213-229, 2093-9310
44	Contra m-Continuous Multifunctions in Fuzzy Set Theory	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Vol. 27, No. 1 (2017), 5-20, 2067-3566
45	Fuzzy Regular Generalized α-Closed Sets and Fuzzy Regular Generalized α-Continuous Functions	Anjana Bhattacharyya	Advances in Fuzzy Mathematics (AFM)	Vol. 12, No. 4 (2017), 1047-1066, 0973-533X
46	Fuzzy Generalized Closed Sets in a Fuzzy Topological Space	Anjana Bhattacharyya	The Journal of Fuzzy Mathematics	Vol. 25, No. 2, (2017), 285-301, 1066-8950
47	More On Fuzzy Regular Preopen Sets	Anjana Bhattacharyya	International Journal of Advances in Mathematics	Vol. 2017, No. 1 (2017), 9-22, 2456-6098
48	Some Properties of fgs^*-Continuous Functions	Anjana Bhattacharyya	International Journal of Advances in Mathematics	Vol. 2017, No. 3 (2017), 1-8, 2456-6098

49	Fuzzy Almost p-Continuous and Almost p^*-Continuous Functions	Anjana Bhattacharyya	Journal of Mathematics and Statistical Science	Vol. 2017, No. 7 (2017), 221-239, 2411-2518
50	Weakly α-Continuous Fuzzy Multifunctions	Anjana Bhattacharyya	International Journal of Pure and Applied Mathematics	Vol. 115, No. 4 (2017), 693-712, 1311-8080
51	A New Type of Crisp Set Via λ-Shading	Anjana Bhattacharyya	Journal of Mathematics and Statistical Science	Vol. 2017, No. 12 (2017), 337-384, 2411-2518
52	Fuzzy Weakly (μ, λ)-Closed Functions	Anjana Bhattacharyya	Analele Universităţii Oradea Fasc. Matematica	Tom XXIV (2017), No. 1, 147-153, 1221-1265
53	Some Different Types of Fuzzy Normal Spaces	Anjana Bhattacharyya	Analele Universităţii Oradea Fasc. Matematica	Tom XXIV (2017), No. 2, 151-164, 1221-1265
54	Fuzzy Almost p^*-Compact Space	Anjana Bhattacharyya	Journal of Mathematics and Statistical Science	Vol. 2018, No. 2 (2018), 76-88, 2411-2518
55	α^{e^*}-Closed Set	Anjana Bhattacharyya	Journal of Mathematics and Statistical Science	Vol. 2018, No. 3 (2018), 122-128, 2411-2518
56	e^*-Almost Compactness Via α-Shading	Anjana Bhattacharyya	Journal of Mathematics and Statistical Science	Vol. 2018, No. 4 (2018), 163-176, 2411-2518
57	Certain Concepts in Fuzzy Topology Via Fuzzy Preopen Sets	Anjana Bhattacharyya	International Journal of Pure and Applied Mathematics	Vol. 118, No. 4 (2018), 1083-1090, 1311-8080
58	Fuzzy m-β-Irresolute Function	Anjana Bhattacharyya	Journal of Mathematics and Statistical Science	Vol. 2018, No. 6 (2018), 244-255, 2411-2518
59	m-γ-Continuous Multifunction in Fuzzy Setting	Anjana Bhattacharyya	Journal of Mathematics and Statistical Science	Vol. 2018, No. 7 (2018), 257-279, 2411-2518
60	α-e-Almost Compact Crisp Subsets of a Fuzzy Topological Space	Anjana Bhattacharyya	Journal of Mathematics and Statistical Science	Vol. 2018, No. 8 (2018), 285-294, 2411-2518
61	α^e-Closed Set, α^e-Continuity and α-e-Almost Compactness For Crisp Subsets of a Fuzzy Topological Space	Anjana Bhattacharyya	Journal of Mathematics and Statistical Science	Vol. 2018, No. 8 (2018), 334-339, 2411-2518
62	Regular β-Compactness in Fuzzy Setting	Anjana Bhattacharyya	Bull. Cal. Math. Soc.	Vol. 110, No. 3 (2018), 191-216, 0008-0659
63	Fuzzy Almost Contra m-continuous Multifunction	Anjana Bhattacharyya	The Journal of Fuzzy Mathematics	Vol. 26, No. 3, (2018), 705-718, 1066-8950

64	Generalized Version of Fuzzy δ-preclosed Set	Anjana Bhattacharyya	The Journal of Fuzzy Mathematics	Vol. 26, No. 4, (2018), 975-1004, 1066-8950
65	Generalized Version of Fuzzy δ-Semiclosed Set	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Vol. 28, No. 1 (2018), 5-28, 2067-3566
66	m-Irresolute Multifunctions in Fuzzy m-Spaces	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Vol. 28, No. 2 (2018), 5-18, 2067-3566
67	Fuzzy Almost s^*-Compact Space	Anjana Bhattacharyya	Analele Universităţii Oradea Fasc. Matematica	Tom XXV (2018), No.1, 73-88, 1221-1265
68	Generalized m-Semiclosed Set in Fuzzy m-Space	Anjana Bhattacharyya	Bull. Cal. Math. Soc.	Vol. 111, No. 1 (2019), 13-34, 0008-0659
69	$f\breve{g}p$-closed set and $f\breve{g}p$-continuous function	Anjana Bhattacharyya	Bull. Cal. Math. Soc.	Vol. 111, No. 3 (2019), 283-308, 0008-0659
70	$f\breve{g}$-closed sets in a fuzzy set topology	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Vol. 29, No. 1 (2019), 5-40, 2067-3566
71	fgm-s-closed set and $fg(m, m_1)$-s-continuous function in fuzzy m-space	Anjana Bhattacharyya	The Journal of Fuzzy Mathematics	Vol. 27, No. 4 (2019), 819-844, 1066-8950
72	Fuzzy pre γ-continuous and almost pre γ-continuous functions	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series	Vol. 29, No. 2 (2019), 13-32, 2067-3566

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73	Generalized closed set and generalized continuity in fuzzy m-space	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Vol. 29, No. 1 (2019), 41-58, 2067-3566
74	More on $fgpr$-closed set in a fuzzy topological space	Anjana Bhattacharyya	The 13th International Conference MSAST 2019,	December 21-23, 2019, Kolkata, India, 99-110 978-925832-4-2 (ISBN)
75	On $fg\gamma^*$-closed sets in fuzzy topological spaces	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Vol. 30, No. 1 (2020), 17-44, 2067-3566
76	A new type of closure-like operator via fuzzy semiopen sets	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Vol. 30, No. 1 (2020), 45-56, 2067-3566
77	Different forms of normal spaces via fuzzy δ-semiopen sets	Anjana Bhattacharyya	The Journal of Fuzzy Mathematics	Vol. 28, No. 2 (2020), 369-401, 1066-8950
78	fmg-closed sets in fuzzy topological space	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Vol. 30, No. 2 (2020), 21-56, 2067-3566
79	A new type of fuzzy regular space via fuzzy preopen sets	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and	Vol. 31, No. 2 (2021), 97-108, 2067-3566

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80	Fuzzy topological properties of spaces and functions with respect to the $frwg$-closure operator	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Vol. 31, No. 1 (2021), 29-74, 2067-3566
81	Fuzzy γ-almost compactness and fuzzy regular γ-compactness	Anjana Bhattacharyya	The Journal of Fuzzy Mathematics	Vol. 28, No. 3 (2020), 613-634 1066-8950
82	Generalized version of closed set and continuity in fuzzy m-Space	Anjana Bhattacharyya	Bull. Cal. Math. Soc.	Vol. 113, No. 5 (2021), 385-408, 0008-0659
83	New type of fuzzy continuity via β-semiopen set	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Vol. 31, No. 2 (2021), 77-96, 2067-3566
84	fwg-Closed Set and Its Applications	Anjana Bhattacharyya	Bull. Cal. Math. Soc.	Vol. 114, No. 4 (2022), 519-554, 0008-0659
85	δ^c-Closure Operator In Fuzzy Setting	Anjana Bhattacharyya	South East Asian J. of Mathematics and Mathematical Sciences,	Vol. 18, No.1 (2022), 257-266, 0972-7752
86	β^c-Closure Operator In Fuzzy Setting	Anjana Bhattacharyya	J. of Ramanujan Society of Mathematics and Mathematical Sciences	Vol. 9, No. 1 (2021), 115-124 2319-1023
87	$fswg$-Closed Set and Its Applications	Anjana Bhattacharyya	Bull. Cal. Math. Soc.	Vol. 114, No. 1 (2022), PP 715-734 0008-0659
88	More On $fswg$ -Closed Set	Anjana Bhattacharyya	Advances In Fuzzy Mathematics	Vol.17, No. 1 (2022), 1-19, 0973-533X
89	p^*-Preregular Space In Fuzzy Setting	Anjana Bhattacharyya	The 16th International Conference	61-69, 78-81-925832-8-0

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90	Applications of $f\pi g$-Closed Sets In Fuzzy Topological Spaces	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Vol. 32, No.1 (2022), 33-70 2067-3566
91	Fuzzy Pre-Semi-Continuous Functions and Fuzzy Pre-Semi-Irresolute Functions	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Vol. 32, No.2 (2022), 13-28, 2067-3566
92	β-Preregular Space In Fuzzy setting	Anjana Bhattacharyya	J. of Ramanujan Society of Mathematics and Mathematical Sciences	Vol. 10, No. 1 (2022), 139-152, 2319-1023
93	Fuzzy Pre β-open Set and Its Applications	Anjana Bhattacharyya	J. of Ramanujan Society of Mathematics and Mathematical Sciences	Vol. 10, No. 2 (2023), 187-198, 2319-1023
94	$fg\delta$-Closed Set and $fg\delta$-Continuity	Anjana Bhattacharyya	Bull. Cal. Math. Soc.	Vol. 115, No. 4 (2023), 409-444, 0008-0659
95	Fuzzy p^*-precompact topological spaces	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Vol. 33, No.1 (2023), 59-74, 2067-3566
96	Fuzzy pre β-compact space	Anjana Bhattacharyya	South East Asian J. of Mathematics and Mathematical Sciences,	Vol. 19, No.2 (2023), 403-416, 0972-7752

97	α-b-regularity in a fuzzy topological space	Anjana Bhattacharyya	Annals of Fuzzy Mathematics and Informatics	Vol. 27, No. 1 (2024), 67-80, 2093-9310
98	Fuzzy α-b-almost compact space	Anjana Bhattacharyya	Annals of Fuzzy Mathematics and Informatics	Accepted for publication
99	β-b-regularity in fuzzy setting	Anjana Bhattacharyya	J. of Ramanujan Society of Mathematics and Mathematical Sciences	Accepted for publication
100	s^*-regularity in fuzzy M-space	Anjana Bhattacharyya	"Vasile Alecsandri" University of Bacău, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics	Accepted for publication