

BIO-DATA OF Dr. BINOD CHANDRA TRIPATHY



1. Present Position : Professor
2. Present Address : Department of Mathematics
Tripura University (A Central University)
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3. Permanent Address : S/O Late Hadu Tripathy
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At/po – PITALO; Dist. - Ganjam
PIN – 761103; ORISSA ; INDIA.
4. Date of Birth : 20th June 1963.
5. Affiliation & Position : Tripura University (A Central University)
Professor; DIRECTOR, IQAC, Tripura University

6. AWARDS and RECOGNITIONS

1. Prof. Binod Chandra Tripathy is in the list of Indian Scientists in the top 2% Scientists of the World as per the list published by the Stanford University, USA for the years 2020 and 2021, in the category of General Mathematics.
2. According to the a leading academic platform for researchers, data analysis released the 2022 Edition of our Ranking of Top 1000 Scientists in the field of Mathematics, ranked #14 in India and #2076 in the world.

7. RESEARCH INTEREST:

Broad Area of Research - Functional analysis, Sequence spaces, Series, Summability theory, Topology, Fuzzy set, Multi set, Soft set, Fixed point theory, Neutrosophic set, Complex uncertain variables, Bi-complex numbers.

Specialization: Different classes of sequences (crisp and fuzzy), Characterization of matrix classes, Duals of some sequence spaces, Spectra of different matrix operators, Acceleration convergence of sequences, Ideal convergence of sequences, Orlicz sequence spaces, Difference sequences spaces, Norlund and Riesz mean.

Bitopological spaces, Mixed topological space, Multiset Topology, Soft topology for crisp as well as fuzzy set. Some problems on contraction mapping and fixed point theory (both crisp and fuzzy).

ACADEMIC DETAILS

(A) ACADEMIC QUALIFICATIONS DETAILS:

Passed B.Sc (Hons) and M.Sc. in Mathematics from Berhampur University in the years 1983 and 1985 respectively.

Awarded the Ph.D. degree from Berhampur University in the year 1993. Title of the thesis “Studies on Sequence Spaces and Matrix Operators”.

(B) EMPLOYMENTS:

Professor; Department of Mathematics, Tripura University (A Central University) From February 01, 2016 & continued.

Director (i/c); Institute of Advanced Study in Science and Technology; Guwahati from 01-08-2012 to 24-06-2013.

Professor and Head; Centre for Computational and Numerical Sciences Division; Institute of Advanced Study in Science and Technology; Guwahati from 01-12-2011 to 31-01-2016.

Associate Professor and Head; Mathematical Sciences Division; Institute of Advanced Study in Science and Technology; Guwahati from 10-02-1998 to 30-11-2011.

Lecturer in the Department of Mathematics, J.R.S. College, Jamalpur, Bihar from 27-11-1996 to 09-02-1998.

Lecturer in the Department of Mathematics, Banki College, Cuttack, Orissa from 28-10-1992 to 26-11-1996.

Lecturer in the Department of Mathematics, J.E.S. Jharsuguda from 10-05-1989 to 10-07-1990.

(C) FELLOWSHIPS

(i) Bharat Vikas Award 2018

(ii) Gold medal for securing first rank in B.Sc.(Hons).

(iii) National Scholarship in B.Sc.(Hons)

(iv) UGC Research Fellow at P.G. Dept. Math. ; Berhampur University from 18-11-1986 to 09-05-1989.

(v) CSIR Senior Research Fellow at P.G. Dept. Math., Berhampur University from 10-07-1990 to 27-10-1992.

(vi) **Qualified NET examination for lectureship conducted by CSIR in Dec. 1992.**

(vii) N.R.T.S Scholarship.

(D) EDITORIAL BOARD MEMBER OF THE FOLLOWING JOURNALS.

Invited to join the Editorial Board for the following Journals.

(i) Editorial Board Member of the journal “*Proyecciones Journal of Mathematics*”, **CHILLI**. (Scopus Indexed).

(ii) For the special issue titled “Topology in the Twenty First Century, Special Issue Dedicated to the Memory of Prof. Henri Poincaré” of the Journal “*FILOMAT*”, Serbia indexed by SCOPUS database.

(iii) Editorial Board Member of the journal “*Journal of Mathematical Analysis*”, **KOSOVO**.

(iv) Editorial Board member of the Journal “Survey in Mathematics and Mathematical Sciences”, India..

(v) Editorial Board member of the Journal “Journal of Indian Academy of Mathematics” India.

(vi) Editor-in-Chief of the periodical “*Journal of the Tripura Mathematical Society*”, **AGARTALA**.

Was an Editorial Board for the following Journals.

(i) Editorial Advisory Board Member of the journal “*Turkish Journal of Science and Technology*”, Firat University, **TURKEY**.

(ii) Was an Editorial Board member of the periodical “*Frontier in Science*” Scientific & Academic Publishing, **USA**

(iii) Was an Editorial Board member of the periodical “*Journal of Advanced Research in Fuzzy and Uncertain Systems*” **USA**.

(iv) Was an Editorial Board member of the periodical “*Journal of Advanced Research in Pure Mathematics* ” **USA**.

(v) Was an Editorial Board member of the periodical “*Computational Research*” Horizon Research Publ. Corp., **USA**.

(vii) Was an Editorial Board member of the periodical “*Far East Journal of Mathematical Sciences* ” (Pushpa Publishing House), **ALLAHABAD**.

(viii) Editorial Board member of the periodical “*Advances in Mathematical Sciences Journal*”, ALLAHABAD.

(ix) Was an Editorial Board member of the periodical “*Global Journal of Applied Mathematics and Mathematical Sciences*”, NEW DELHI.

(x) Was an Editorial Board member of the periodical “*International Journal of Mathematics and Mathematical Sciences*” NEW DELHI.

(E) Reviewer of the Followings

Invited as review for the abstracts for published papers

(i) Reviewer for “*Mathematical Reviews*” of *American Mathematical Society, U.S.A.*

(ii) Reviewer of “*Zentralblatt Math*“, GERMANY.

(iii) Reviewed research articles for more than 200 journals from different countries. These include journals from Elsevier, IEEE, Springer, British journals, Taylor & Francis, De Guyter, *Birkhauser* etc.

(iv) Elected, *Vice President, Indian Academy of Mathematics*, Indore, INDIA.

8. RESEARCH PROJECTS

(A) Projects Completed

(i) *Development of Mathematical and Statistical Sciences Division, IASST (Guwahati)*

Funding Agency : Department of Science and Technology (Govt. of India), New Delhi.

Cost	Rs.56,32,000/-	Period	1994-2001
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Research Group : Dr. B. C. Tripathy, P.I.
 Dr. M.R. Agrawal, Co-P.I.
 Dr. G. Choudhury, Co-P.I.

(ii) Title “*Database of R&D Institutions by Broad Research Area of North East Region and Research Activities in S&T in Assam*”.

Funding Agency : Department of Science and Technology (Govt. of India), New Delhi.

Cost	Rs.9.54 lakhs	Period	: 2004-2007
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Research Group : Prof D.N. Das, P.I.
 Dr. B. C. Tripathy, Co-P.I.
 Mr. K. Deka, Research Investigator
 Mr. J. K. Bora, Research Investigator

- (ii) **Mr. Rakhil Das**, was awarded Ph.D. degree for his thesis titled “*Studies on Topological space, Ideals and Spatial Topological Relation*” by the Tripura University (A Central University) in the year **2022**.
- (iii) **Mr. Pranab Jyoti Dowari**, was awarded Ph.D. degree for his thesis titled “*Lacunary Convergence of Complex Uncertain Variables*” by the Tripura University (A Central University) in the year **2021**
- (iv) Ms. Sangeeta Saha awarded Ph.D. degree for his thesis titled “*Studies on Some Sequences of Complex Uncertain Variables*” by the National Institute of Technology, Silchar in the year **2021**, supervised jointly with Dr. Santanu Roy.
- (v) **Mr. Ajay Kumar Saw** was awarded Ph.D. degree for his thesis titled “*Study on Ditopological Texture Space and Mathematical Interpretation of Biological Sequences*” by the Gauhati University in the year **2019**.
- (vi) **Mrs. Karishma Shravan** was awarded Ph.D. degree for his thesis titled “*Generalised Closed Sets in Multiset Topological Spaces and Ideal*” by the Gauhati University in the year **2019**.
- (vii) **Mr. Santanu Acharjee** was awarded Ph.D. degree for his thesis titled “*Studies on Some Generalized Closed Sets and Ideals in Bitopological Spaces*” by the Gauhati University in the year **2016**.
- (viii) **Mr. Rituparna Das** was awarded Ph.D. degree for his thesis titled “*Spectra of Some Matrix Operators on Some Sequence Spaces*” by the Gauhati University in the year **2016**.
- (ix) **Mr. Diganta Jyoti Sarma** was awarded Ph.D. degree for his thesis titled “*Studies on b-open Sets and Bitopological Spaces*” by the Gauhati University in the year **2016**.
- (x) **Mrs. Rupanjali Goswami** was awarded Ph.D. degree for his thesis titled “*Studies on some Classes of Multiple Sequences in Probabilistic Normed Spaces*” by the Gauhati University in the year **2016**.
- (xi) **Mr. Avinoy Paul** was awarded Ph.D. degree for his thesis titled “*Spectra of $B(r, s, t)$ type operator on some sequence spaces*” by the Gauhati University in the year **2014**.
- (xii) **Mr. Gautam Chandra Ray** was awarded Ph.D. degree for his thesis titled “*Studies on Different Types of δ -Continuity and Mixed Fuzzy Topological Spaces*” by the Gauhati University in the year **2014**.
- (xiii) **Mr. Soumitra Nath** was awarded Ph.D. degree for his thesis titled “*A Study on Probabilistic Normed Spaces*” under the joint supervision of B.C. Tripathy and M. Sen by the National Institute of Technology, Silchar in the year **2014**.

(xiv) **Mr. Manoranjan Mishra** was awarded Ph.D. degree for his thesis titled “**Studies on some Fuzzy Real Valued Sequence Spaces**” under the joint supervision of B.K. Nayak and B.C. Tripathy by the Utkal University, Bhubaneswar in the year **2013**.

(xv) **Mr. Hemen Dutta** was awarded Ph.D. degree for his thesis titled “*Studies on Some Sequence Spaces Defined by Orlicz Functions*” by the Gauhati University in the year **2013**.

(xvi) **Mrs. Stuti Borgohain** was awarded Ph.D. degree for her thesis titled “*Convergent and Statistically Convergent Sequence Spaces of Fuzzy Real Numbers Defined by Orlicz Functions*” by the Gauhati University in the year **2012**.

(xvii) **Mr. Achyutananda Baruah** was awarded Ph.D. degree for his thesis titled “*Some Difference sequence of Fuzzy Real Numbers and Norlund and Riesz Mean*” by the Gauhati University in the year **2010**.

(xviii) **Mr. Paritosh Chandra Das** was awarded Ph.D. degree for his thesis titled “*Studies on Some Fuzzy Real-valued Sequence Spaces and Density of Subsets of Natural Numbers*” by the Gauhati University in the year **2008**.

(xix) **Mr. Bipan Hazarika** was awarded Ph.D. degree for his thesis titled “*Studies on I-convergent Sequence Spaces*” by the Gauhati University in the year **2008**.

(xx) **Mr. Amar Jyoti Dutta** was awarded Ph.D. degree for his thesis titled “*Studies on Fuzzy Real-Valued Double Sequence Spaces*” in **2008** by the Gauhati University.

(xxi) **Ms. Sabita Mahanta** got the Ph.D. from the Gauhati University for her thesis titled “*Studies on Some Sequence Spaces and Characterization of Some Matrix Classes*” in the year **2007**.

(xxii) **Sri Bipul Sarma** got the Ph.D. degree from the Gauhati University for his thesis titled “*Studies on Some Vector Valued Sequence Spaces and Kothe Toeplitz Duals*” in the year **2006**.

(xxiii) **Mrs. Mausumi Sen** received the Ph.D. degree from the Gauhati University for her thesis titled “*Generalized Sequence Spaces and Matrix Operators*” in the year **2004**, Jointly with Prof. B.C. Kalita.

Thesis Submitted – 01

Admitted into the Ph.D. Programme – 06

(d) Inter Institutional Collaborators

(I) From Abroad :

- (i) Late Professor Tibor Salat, Dept. of Mathematics; Comenius University; SLOVAKIA.
- (ii) Professor P. Y. Lee ; Dept. of Mathematics, Nanyang Technical University ; SINGAPORE.
- (iii) Professor B. Choudhary, Dept. of Mathematics; University of Botswana, BOTSWANA.

- (iv) Professor Rifat Colak; Dept. of Mathematics; Firat University; TURKEY.
- (v) Professor Mikail Et; Dept. of Mathematics; Firat University; TURKEY.
- (v) Professor Y Altin; Dept. of Mathematics; Firat University; TURKEY.
- (vi) Professor M Isiki; Dept. of Mathematics; Firat University; TURKEY.
- (vii) Professor Ayhan Esi; Dept. of Mathematics; Adiyaman University; TURKEY.
- (viii) Professor A. Sahiner; Dept. of Mathematics; Suleyman Demirel University; Isparta; TURKEY
- (ix) Professor Milos Zimon; Dept. of Mathematics; Comenius University ; SLOVAKIA.
- (x) Professor S. K. Mishra; Dept. of Mathematics; Tribhuban University, NEPAL
- (xi) Professor N.L. Braha; Dept. of Mathematics; KOSOVO.
- (xii) Professor Award Bakery, Egypte

(II) From the Country

- (i) Prof. P. Chandra (Retd. Prof.); Dept. of Mathematics; Patna University; Patna-800005, INDIA
- (ii) Prof. B.K. Nayak (Retd. Prof); Dept. of Math.; Utkal University; Bhubansewar-751004, INDIA
- (iii) Dr. N. Subramanian; Dept. of Mathematics; SASTRA University; Tanjore-613 402; INDIA.
- (iv) Dr. C. Murugesan; Dept. of Mathematics; Satyabhama University; Chennai-613 402; INDIA.
- (v) Prof. B.K. Tripathy; Vellore Institute of Technology; INDIA.
- (vi) Dr. Shyamal Debnath; Tripura University, Agartala - 799022, Tripura, INDIA.
- (vii) Dr. Ab. Hamid Ganie, SSM College of Engineering & Technology Kashmir, J&K, INDIA..
- (viii) Dr. Baby Bhattacharya, Dept. of Mathematics, NIT Agartala, Tripura, INDIA.
- (ix) Dr. Mausumi Sen, Dept. of Mathematics, NIT Silchar, Assam, INDIA.
- (x) Dr. Santanu Roy, Dept. of Mathematics, NIT Silchar, Assam, INDIA.
- (xi) Dr. Piyali Debnath, Dept. of Mathematics, NIT Agartala, Tripura, INDIA.
- (xii) Dr. Diganta Sarma, Dept. of Mathematics, CIT, Kokrajhar, Assam, INDIA.
- (xiii) Dr. Debjani Rakshit, Dept. of Mathematics, ICFAI University, Agartala, Tripura, INDIA.
- (xiv) Prof. Anjan Mukherjee, Department of Mathematics, Tripura University, INDIA.
- (xv) Dr. Piyali Debnath, Dept. of Mathematics, NIT Agartala, Tripura, INDIA.
- (xv) Dr. Birojit Daas, Dept. of Mathematics, NIT Agartala, Tripura, INDIA.
- (xv) Dr. Kalyani Debnath, Dept. of Mathematics, NIT Agartala, Tripura, INDIA.
- (xv) Prof. Bipan Hazarika, Dept. of Mathematics, Gauhati University, Assam, INDIA.
- (xv) Dr. Taza Yiang, Dept. of Mathematics, Arunachal Pradesh, INDIA.
- (xv) Dr. P. Baliarsingh, Dept. of Mathematics, Institute of Mathematics and Applications, Bhubaneswar, Odisha, INDIA.
- (xv) Mr. Jagannath Nath, Dept. of Mathematics, NIT Agartala, Tripura, INDIA.
- (xv) Dr. Pankaj Kumar Nath, Dept. of Mathematics, Pandit Dendayal Upadhaya Mahavidalays, Assam, INDIA.
- (xvi) Dr. Piyali Debnath, Dept. of Mathematics, NIT Agartala, Tripura, INDIA.
- (xvii) Dr. Nilakshi Goswami, Department of Mathematics, Gauhati University, Guwahati – 78114, Assam, India.

10. RESEARCH PUBLICATIONS

List of Published Research Articles

In Order From Recent Publications, Year wise

Year 2022

1. J. Nath, B. C. Tripathy, B. Das and B. Bhattacharya, On strongly almost λ -convergence and statistically almost λ -convergence in the environment of uncertainty, *International Journal of General Systems* 51(3), 2022, <https://doi.org/10.1080/03081079.2021.1998032>
2. R. Das, A. Mukherjee and B. C. Tripathy, Application of Neutrosophic similarity measures in Covid-19, *Annals of Data Science* , 9(1) ,55–70 (2022) , <https://doi.org/10.1007/s40745-021-00363-8>
3. T. Yaying, B. Hazarika, B. C. Tripathy and M. Mursaleen, The spectrum of second order quantum difference operator, *Symmetry*, 14(3),_57(2022); <https://doi.org/10.3390/sym14030557>
4. R. Das and B. C. Tripathy, Separation Axioms on Spatial Topological Space and Spatial Data Analysis, *Annals of Data Science*, 1-13(2022); <https://doi.org/10.1007/s40745-022-00393-w>
5. B. Shil, P. Sinha, B. C. Tripathy and S. Das, VNS Based MADM-Strategy Under Possibility Environment , *Annals of Data Science*, 1-12(2022); <https://doi.org/10.1007/s40745-022-00419-3>
6. K. R. Devi and B. C. Tripathy, Relative uniform convergence of difference sequence of positive linear functions, *Transactions of A. Razmadze Mathematical Institute*, 176 (1), 37-43 (2022)
7. S. Das, R. Das and B. C. Tripathy, Topology on Rough Pentapartitioned Neutrosophic Set, *Iraqi Journal of Science*, 63(6), 2630–2640. (2022); <https://doi.org/10.24996/ijs.2022.63.6.28>
8. N. Haokip, N. Goswami and B. C. Tripathy, Common Fixed Point Result for α -orbital-cyclic Admissible Triplet in Extended α -metric Spaces, *Thai Journal of Mathematics*, 20(2), 563-756(2022)
9. B. Das, B. C. Tripathy, P. Debnath, Some results on statistically convergent triple sequences in an uncertainty space, *Annals of the University of Craiova-Mathematics and Computer Science Series* , 49(1), 120-134(2022)
10. B. Das, P. Debnath, B. C. Tripathy, On statistically convergent complex uncertain sequences, *Carpathian Mathematical Publications*, 14 (1), 135-146(2022)
11. S. Das, R. Das, B. C. Tripathy, Neutrosophic pre-I-open set in neutrosophic ideal bitopological space, *Soft Computing* 26 (12), 5457-5464(2022)
12. S. Saha, B. C. Tripathy, Statistically Convergent Difference Sequences of Complex Uncertain Variables, *Journal of Uncertain Systems*, 15(2),2022; <https://doi.org/10.1142/S1752890922500106>

13. A. A. Bakery, O. M. Mohamed, K. R. Devi, B. C. Tripathy, Cesaro Summable Relative Uniform Difference Sequence of Positive Linear Functions, Hindawi Journal of Function Spaces Volume 2022, Article ID 3809939, 6 pages; <https://doi.org/10.1155/2022/3809939>
14. L. Nayak, B. C. Tripathy, P. Baliarsingh, On deferred-statistical convergence of uncertain fuzzy sequences, International Journal of General Systems, 631-647, (2022); <https://doi.org/10.1080/03081079.2022.2052062>
15. K. R. Devi, B. C. Tripathy, On Relative Uniform Convergence of Double Sequences of Functions, Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci. (1-16), (2022); <https://doi.org/10.1007/s40010-022-00768-x>
16. J. Nath, B. C. Tripathy, B. Bhattacharya, On strongly almost convergence of double sequences via complex uncertain variable, Issues of Analysis, 11(1), 102-121(2022)
17. B. Basumatary, B. C. Tripathy, Properties of Group Neutro-Topological Space, Journal of Neutrosophic and Fuzzy Systems (JNFS), 3 (2), 34-38(2022)
18. M. Singh, A. Gupta, B. C. Tripathy, Covering properties and product spaces of bipolar fuzzy topology, Applied Sciences 24, 261-269(2022)
19. D. DATTA, B. C. TRIPATHY, Statistical convergence of double sequences of complex uncertain variables, Journal of applied mathematics & informatics ,40 (1-2), 191-204(2022)
20. P. Saha, P. Majumder, S. Das, P. K. Das, B. C. Tripathy, Single-Valued Pentapartitioned Neutrosophic Dice Similarity Measure and Its Application in the Selection of Suitable Metal Oxide Nano-Additive for Biodiesel Blend_ on Environmental Aspect , Neutrosophic Sets and Systems 48 (1), 12(2022)
21. A. Paul, B. C. Tripathy, Subdivisions of the Spectra for $D(r, 0, s, 0, t)$ Operator on Certain Sequence Spaces, Boletim da Sociedade Paranaense de Matemática 40, 1-10(2022).

Year 2021

1. B. Das, J. Chakraborty, B. Bhattacharya and B.C. Tripathy, Generalized fuzzy closed sets in a fuzzy bitopological space via γ -open sets, Afrika Matematika, 32(3-4) (2021), 333–345, <https://doi.org/10.1007/s13370-020-00829-7>
2. S. Saha, B.C. Tripathy, S. Roy, On Riesz mean of complex uncertain sequences, Journal of Mathematical Analysis and Applications, 2021, 499(2), 125017, DOI: 10.1016/j.jmaa.2021.125017
3. B.C. Tripathy, M. Sen and S. Nath, On generalized difference ideal convergence in generalized probabilistic n -normed spaces, Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 91(1), 29–34.
4. P.K Nath and B.C. Tripathy, On paranormed type p -absolutely summable uncertain sequence spaces defined by Orlicz functions, Commun. Korean Math. Soc. 36 (2021), No. 1, pp. 121-134. <https://doi.org/10.4134/CKMS.c200174>.

5. P.J. Dowari and B.C. Tripathy, Lacunary sequences of complex uncertain variables defined by Orlicz functions, *Proyecciones J. Math.*,40(2), 2021, 355-370.
6. P.J. Dowari and B.C. Tripathy, Lacunary convergence of sequences of complex uncertain variables, *Malaysian Journal of Mathematical Sciences*, (2021), 15(1), 91–108.
7. B. Das, B.C. Tripathy, P. Debnath and B. Bhattacharya, Almost convergence of complex uncertain triple sequences, *Proceedings of the National Academy of Sciences, Physical Sciences*, 91, (2021) 245–256. <https://doi.org/10.1007/s40010-020-00721-w>.
8. S. Saha, B.C. Tripathy and Santanu Roy, Relationships between statistical convergence concepts of complex uncertain sequences, *Applied Sciences*, 23 (2021), 137–144.
9. A. Paul and B.C. Tripathy, The application domain of difference type matrix $D(r,0,s,0,t)$ on some sequence spaces, *Yugoslav Journal of Operations Research*, 31(3) 2021, 363-372. <https://doi.org/10.2298/YJOR200618032P>.
10. B.C. Tripathy and S. Das, Pairwise Neutrosophic b -continuous function in neutrosophic bitopological spaces, *Neutrosophic Sets and Systems*, 43(2021), 82-92.
11. P.J. Dowari and B.C. Tripathy, Lacunary convergence of double sequences of complex uncertain variables, *Journal of Uncertain Systems*, 2021, 2150017, <https://doi.org/10.1142/S1752890921500173>.
12. S. Das, B. Shil and B.C. Tripathy, Tangent similarity measure based MADM-strategy under SVPNS-environment, *Neutrosophic Sets and Systems*, 43(2021), 93-104.
13. Datta, D., Tripathy, B.C., Difference double sequence of complex uncertain variables defined by Orlicz function, *Journal of Uncertain Systems*, 2021, 2150022
14. Das, B., Tripathy, B.C., Debnath, P., Bhattacharya, B., Almost convergence of complex uncertain double sequences, *Filomat*, 2021, 35(1), pp. 61–78.
15. Das, S., Shil, B., Tripathy, B.C., Tangent Similarity Measure Based MADM-Strategy under SVPNS-Environment, *Neutrosophic Sets and Systems*, 2021, 43, pp. 93–104.
16. A. A. Basumatary, D. J. Sarma and B.C. Tripathy, Almost M -precontinuous functions in biminimal structure spaces, *Jordan Journal of Mathematics and Statistics*, 14(4), 2021, 691– 706. Doi : <https://doi.org/10.47013/14.4.6>.
17. B.C. Tripathy and S. Das, Pairwise neutrosophic b -continuous function in neutrosophic bitopological spaces, *Neutrosophic Sets and Systems*, 43, (2021), 82-92.
18. S. Das, B.C. Tripathy, Neutrosophic Simply b -Open Set in Neutrosophic Topological Spaces, *Iraqi Journal of Science*, 2021, 62(12), pp. 4830–4838.

19. Das, S., Tripathy, B.C., Pentapartitioned Neutrosophic Topological Space, Neutrosophic Sets and Systems, 2021, 45, pp. 121–132.

20. S. Saha, Santanu Roy and B.C. Tripathy, Matrix map between complex uncertain sequences, *Annals of the University of Craiova - Mathematics and Computer Science Series*, 48(1), (2021) 10-17.

Year 2020

1. R. Das, F. Smarandache and B.C. Tripathy, Neutrosophic fuzzy matrices and some algebraic operation, *Neutrosophic Sets and Systems*, 32(2020), 401-409.

2. S. Acharjee, K. Papadopoulos and B.C. Tripathy, Note on p_1 -Lindelof spaces which are not contra second countable spaces in bitopology, *Boletim da Sociedade Paranaense de Matematica*, 38(1)(2020), 165-171.

3. G.C. Ray and B.C. Tripathy, On fuzzy δ^* -almost continuous and fuzzy δ^* -continuous functions in mixed fuzzy topological spaces, *Proyecciones J. Math.*, 39(2), (2020), 435-449.

4. P. Debnath and B.C. Tripathy, On separation axioms in soft bitopological spaces, *Songklanakarinn Journal of Science and Technology*, 42(4), (2020), 830-835

5. S. Das, R. Das and B.C. Tripathy, Multi-criteria group decision making model using single-valued neutrosophic set, *LogForum*, 16 (3)(2020), 421-429

6. K. Shravan and B.C. Tripathy, Multiset ideal topological spaces and Kuratowski closure operator, *Bulletin of the University Transilvania Brasov, Series III: Mathematics, Informatics, Physics*, 13(62), No. 1 (2020), 273-284.

7. S. Roy, S. Saha and B.C. Tripathy, Some Results on p -distance and sequence of complex uncertain variables, *Communications of the Korean Mathematical Society*, 35(3)(2020), 907-916

8. B. Das, J. Chakraborty, B. Bhattacharya and B.C. Tripathy, Generalized fuzzy closed sets in a fuzzy bitopological space via γ -open sets, *Afrika Matematika*, (2020), <https://doi.org/10.1007/s13370-020-00829-7>

9. B. Das, B.C. Tripathy, P. Debnath and B. Bhattacharya, Almost convergence of complex uncertain triple sequences, *Proceedings of the National Academy of Sciences, Physical Sciences*, <https://doi.org/10.1007/s40010-020-00721-w>

10 D. Datta and B.C. Tripathy, Convergence of complex uncertain double sequences, *New Mathematics and Natural Computation*, 16(3)(2020), 447-459.

11. D. Datta and B.C. Tripathy, Double sequences of complex uncertain variables defined by Orlicz function, *New Mathematics and Natural Computation*, 16(3)(2020), 541-550.

12. S. Saha, B.C. Tripathy, S. Roy, On almost convergent of complex uncertain sequences, *New Mathematics and Natural Computation*, 16(3)(2020), 573-580.

13. B. Das, B.C. Tripathy, P. Debnath and B. Bhattacharya, Characterization of statistical convergence of complex uncertain double sequence, *Analysis and Mathematical Physics*, 2020, 10(4), 71, doi: <https://doi.org/10.1007/s13324-020-00419-7>.
14. R. Das and B.C. Tripathy, Neutrosophic multiset topological space, *Neutrosophic Sets and Systems*, 35 (2020), 142-152
15. P.J. Dowari and B.C. Tripathy, Lacunary difference sequences of complex uncertain variables, *Methods of Funtional Analysis and Topology*, 26(4)(2020), 327-340.
https://doi.org/10.31392/MFAT-npu26_4.2020.04
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3. B.C. Tripathy : On statistically convergent sequences; *Bull. Cal. Math. Soc.*; 90 (1998); 259-262.
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1. D. Rath and B.C. Tripathy: Matrix maps on sequence spaces associated with sets of integers; *Indian Jour. Pure Appl. Math.*; 27(2) (1996); 197-206.

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1. D. Rath and B.C. Tripathy : On the Banach algebra of triangular conservative matrices of operators; *Jour. Math. Analysis Appl.* ; 197(3)(1994); 743-751.
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1. D. Rath and B.C. Tripathy: A note on spectra of operator Schur matrices and the maximal group of the algebra of triangular conservative matrices; *Indian Jour. Pure Appl. Math.*; 23(6)(1992); 411-417.

Year 1989

1. D. Rath and B.C. Tripathy: Characterization of certain matrix operators; *J. Orissa Math. Soc.*; 8(2)(1989); 121-134.

ARTICLES PUBLISHED IN CONFERENCE PROCEEDINGSS

1. B.C. Tripathy and S. Borgohain : On a class of generalized difference sequence spaces related to ℓ_p space defined modulus function; Proceedings of International Conference on Rough Sets, Fuzzy Sets and Soft Computing, held during November 5-7, 2009, organized by Department of Mathematics, Tripura University, Serials Publications, (2010) 409-417.

2. B. Choudhary and B.C. Tripathy : On fuzzy real-valued $\ell(p)^F$ sequence spaces; *Proc. International Conf. 8th Joint Conf. on Inf. Sci. (10th International Conf. on Fuzzy Theory and Technology)* Held at Salt Lake City, Utha, USA, during July 21-25, 2005.USA. pages 184-190.

3. B. C. Tripathy : On statistical convergence ; *Proc. Nat. Conf. Rec. Devp. Math. Appl.*; (2001) , 90-97.

4. B.C. Tripathy : The Banach algebra of triangular conservative matrices and its maximal group; *Proc. 7th Ramanuja Symp. on Potential Theory & Funct. Theory (Publ. Ramanujan Institute vol.8)* (2000), 139–148.

DETAILS OF WORKSHOP/ CONFERENCE

Workshops/ Training Programmes/ Seminars/Conferences/Symposiums Organised :

1. Principal Coordinator of the Advanced Training Programme for Undergraduate Students in Mathematics of the North –East Region ; conducted by IASST, funded by DST (GoI) held during October 16-28, 2000.

2. Co-coordinator of the Advanced Training Programme for Undergraduate Students in Mathematics of the North –East Region ; conducted by IASST, funded by DST (GoI) held during June 23- July 08, 2003.

3. Convener of the Technical Session of the International Conference on Recent Trends and New Directions of Research on Cybernetics and Systems Theory organized by IASST, Guwahati during January 1-3, 2004 , funded by Dept. of Sci. & Tech. (GoI).

4. Convener of the National Instructional Workshop on Recent Trends and New Directions of Research on Cybernetics and Systems Theory organized by IASST, Guwahati during January 28- February 1, 2004, funded by Dept. of Sci. & Tech. (GoI).

5. Convener of the North East workshop on “Computational Information Processing” organized jointly with the Electronics and Communication Sciences Unit of India Statistical Institute, Kolkata, held during March 8-11, 2005.

- 6.** Convener of the North East workshop on “Statistical Data Analysis Using SPSS” organized jointly with the Computers and Statistical Services Unit of India Statistical Institute, Kolkata, held during September 5-9, 2005.
- 7.** Coordinator of the “Motivational Programme for Talented Science Students of Assam” funded by the Department of Science and Technology (Govt. of India), New Delhi, organized during May 30-June 3, 2006, at Institute of Advanced Study in Science & Technology, Guwahati.
- 8.** Convener of the International Workshop on “Computational Methods and Function Theory Guwahati 2008” organised jointly with University of Wuerzburg, Germany held during January 03-10, 2008. The workshop was financed by DST(GoI), NBHM, CSIR, Forum D’Analyse (Chennai) and ASTEC.
- 9.** Organising Committee member of the Workshop on “Development and Optimization of Combined Plantmicrobe Technologies for Bioremediation of Soils Contaminated with Hydrocarbons and Heavy Metals” organized by the IASST (Guwahati) and Australia, held during September 29- October 01, 2008.
- 10.** Organising Committee member of the National Workshop on “Recent Trends in Polymer Science” organized by the IASST, held during October 20-25, 2008.
- 11.** Organising Committee member of the National Conference on “Advances in Mathematics” organized by the Gauhati University, held during September 4-7, 2008.
- 12.** Organising Committee member of the National Conference on “Recent Trends in Mathematics and its Applications” organized by the Department of Mathematics, Gauhati University, held during September 12 & 13, 2009.
- 13.** Local Organising Committee member of the National Conference on “Plasma 2010” organized by the Department of Mathematics, Gauhati University, held during December 08 - 11, 2010.
- 14.** Organising Committee member of the National Conference on “Recent Trends in Mathematical Analysis and Applications” organized by the Department of Mathematics, Berhampur University, held during December 22 -23, 2010.
- 15.** Organising Committee member of the National Conference on “Recent Trends in Mathematical Analysis and Applications” organized by the Department of Mathematics, Berhampur University, held during December 22 -23, 2010.
- 16.** Organising Committee member of the National Workshop on “Stochastic Modelling and Application in Physical and Biological Sciences” organized by the CCNS Division, Institute of Advanced Study in Science and Technology, Guwahati, held during February 5-7, 2015.
- 17.** Organised the 18th session of the 10th International Society for Analysis, its Application and Computation (ISAAC) Conference, held at the University of Macau, China during August 3-8, 2015.
- 18.** Chairman, Local Organising Committee of the workshop on “Medical Image processing”, organized by the CCNS Division, Institute of Advanced Study in Science and Technology, Guwahati, held during February 19-20, 2016.
- 19.** Organising Committee member of the 2nd National Symposium on “Nonlinear and Complex Phenomena” organized by the Physical Sciences Division, Institute of Advanced Study in Science and Technology, Guwahati, held during March 26-28, 2015..

20. Convener of the National Conference on “Rough Set, Fuzzy Set and Applications 2016” organized by the Department of Mathematics, Tripura University and Rough Set and Fuzzy Set Association Tripura held on May 06, 2016.

Conducted 12 Faculty Development programmes as Programme coordinator, Faculty Development Center, Tripura University.

Members of different International and National conferences and Academic Programmes.

Delivered invited talks in many International and National conferences and Academic Programmes.