

Bio-data Details



NAME : DR. BABLU SAMANTA

Address for Communication:

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Present Employment:

Sl.	Designation	Institution	Date of Joining	Present Status
1	Assistant Professor	Hijli College, Paschim Medinipur	07-05-2021	Service Continue

Previous Employments/ Teaching experiences:

Sl.	Designation	Institution	Service Period	Status
1	Assistant Professor	Egra S.S.B. College, Purba Medinipur	30-01-2015- 30-06-2018	Permanent
2	Assistant Professor & HOD	Egra S.S.B. College, Purba Medinipur	01-07-2018- 06-05-2021	Permanent
3	Guest Lecturer	Netaji Subhas Open University, Egra SSB College unit, Egra	January,2016- December,2019	Part time
4	Lecturer	Haldia Institute of Technology, Purba Medinipur	28-07-2004- 21-11-2008	Permanent
5	Research Fellow & associated with UG teaching	IEST, Shibpur,Howrah	04-04-2003- 27-07-2004	Part time

Educational Qualification

NAME OF EXAM	INSTITUTION / UNIVERSITY	DIVISION / CLASS	YEAR OF PASSING	Subject / Specialization
M. Sc	VIDYASAGAR UNIVERSITY	1 ST	2001	Operations Research(Spl.)
GATE	IISc, Bangalore	92.79(Percentile) A.I.R-80	2002	Mathematics
SLET	WBCSC	2003	Mathematics
Ph.D.(Sc.)	IEST, Shibpur Howrah, W.B.	2009	Studies on optimization methods in fuzzy environment

Field of Research interest:

1. Different Fields of Operations Research (Transportation Problem, Portfolio Selection Problem, Game theory etc.)
2. Applications of Optimization Techniques in information and Fuzzy Systems

Research and Publication:

LIST OF <u>PAPER</u> PUBLICATIONS		
1.	<i>Multi-objective Entropy Transportation model with Trapezoidal Fuzzy Number Penalties, Sources and Destinations—B.Samanta & T.K.Roy</i>	<i>Journal of Transportation Engineering, ASCE, USA, 131 (6)(2005) pp. 419-428.</i>
2.	<i>Entropy based Transportation model use Geometric Programming method—B.Samanta & S.K.Majumder</i>	<i>Journal of Applied mathematics and Computation, Elsevier 179 (2006) pp. 431-439</i>
3.	<i>Multi-Objective Portfolio Optimization Model. — B.Samanta & T.K.Roy</i>	<i>Tamsui Oxford Journal of Mathematical sciences, Taiwan 21(1)(2005), pp.55-70</i>
4.	<i>Extended t-norms and its applications in Portfolio Selection Model—B.Samanta & T.K.Roy</i>	<i>International Journal of Fuzzy Mathematics, USA, 13(4) (2005) pp. 995-1010.</i>

5.	<i>Maximum Likelihood estimation: A single and multi-objective entropy optimization approach—B.Samanta & T.K,Roy</i>	<i>Journal of Advanced Modeling and Optimization, 2006,Vol.-1, No.-8,pp-29-40.</i>
6.	<i>The Constrained gravity model with power function as a cost function— B.Samanta & S.K,Majumder</i>	<i>Journal of Applied mathematics and Decision Science, USA Art. ID 48632 (2006) pp.1-13</i>
7.	<i>Multi-Objective Urban and Regional Planning Model in Fuzzy Environment —B.Samanta & T.K,Roy</i>	<i>Proceedings on National Seminar on Teaching and Research Developments in Mathematical Sciences in India Since Independence, University of Kalyani, India, 279-290, 2005.</i>
8.	<i>Multi-Objective Portfolio Selection Model in environment. —B.Samanta & T.K,Roy</i>	<i>Proceedings on Recent Advances in Applied Mathematics, Department of Mathematics, Vidyasagar University, India, 108-113, 2005.</i>
9.	<i>Entropy based Transportation model: A Geometric Progra Approach-- B.Samanta & S.K, Majumder</i>	<i>Yugoslav Journal of Operations Research, Yugoslav, 7(1)(2007),43-54.</i>
10.	<i>Generalized Triangular Norms—B.Samanta & T.K,Roy</i>	<i>Journal of Fuzzy Mathematics, 16(2),2008, 289-304</i>
11.	<i>Maximum Entropy and Primal-dual geometric programming approach in Multi-objective Vendor selection Problem —B.Samanta</i>	<i>Journal of Advanced Modeling and Optimization, 2008, Vol.-10, No.-2,pp-279-295</i>
12.	<i>Multi objective model with Entropy objective use Geometric dual Programming—B.Samanta</i>	<i>Journal of Fuzzy Systems and Soft Computing, 2010, vol-5, No-1.</i>
13	<i>Entropy based multi-objective Matrix game model with Fuzzy goals—B.Samanta</i>	<i>Tamsui Oxford journal of Information and Mathematical Science, 31(2) (2017) 82-92</i>
14	<i>Fuzzy Multi-objective Matrix Game: An Entropic uniformity approach —B.Samanta</i>	<i>Science and Technology journal, 8(1) (2020)52-57</i>
15	<i>Fuzzy Multi-objective Crop production Model with Entropy optimization —B.Samanta</i>	<i>International Journal of Operations Research, TamKang University, Tamsui District, New Taipei City 25137, Taiwan(Communicated)</i>

16	Entropy based Fuzzy Multi Objective Urban and Regional Planning Model — <i>B.Samanta</i>	The Electronic International Journal Advanced Modeling and Optimization (<i>Communicated</i>)

LIST OF BOOK PUBLICATION

MATHEMATICS ENCYCLOPEDIA (Hons. / PG)— <i>B.Samanta</i>	<i>Tapati Publishers, 9/4 Tamam Lane, Kof-9, ISBN No. - 978-93-85150-78-4, 2016(Published)</i>
MATHEMATICS ENCYCLOPEDIA (Graduate)— <i>B.Samanta</i>	<i>Tapati Publishers, 9/4 Tamam Lane, Kof-9, ISBN No. - 978-93-85150-97-5, 2016(Published)</i>

Conference/ Seminar/ Short-term Course /Workshop Attended and Paper Presented

(1)	<i>"National Seminar on Teaching and Research Developments in Mathematical Sciences in India Since Independence" held at Department of Mathematics, University of Kalyani, India, February 13-14, 2004. (Paper Presented)</i>
(2)	<i>"Seminar on Recent Advances in Applied Mathematics", Department of Applied Mathematics, Vidyasagar University, India, March 18-19, 2004. (Paper Presented)</i>
(3)	<i>"National Conference on Mathematical Modeling: Theory and Practice", held at Department of Mathematics, Jadavpur University, March 25-26, 2004. (Paper Presented)</i>
(4)	<i>"National conference on application of operations research in management science (NCAORMS'06)" held at Haldia Institute of Technology, Haldia, 26-27, December 2006.</i>
(5)	<i>Short-term course on "Mathematical Techniques in Science and Engineering" held at IIT Guwahati, 26-30th June 2006.</i>
(6)	<i>"UGC sponsored national Seminar" held at Dept. of Mathematics, Mugberia Gangadhar Mahavidyalaya, Purba medinipur, 11-12 Sept., 2015. (Paper Presented)</i> <i>Title: Entropy based Crop Planning Model in Fuzzy Environment</i>
(7)	<i>"UGC Sponsored national Seminar on Food habit and cancer" held at Dept. of Zoology, Egra SSB College, Purba Medinipur, 7-8 march, 2015. (Paper Presented)</i> <i>Title: A Crop planning model with uncertain environment</i>
(8)	<i>"UGC Sponsored State level Seminar on New generation biologically active natural natural products and their importance" held at Dept. of Botany, Egra SSB College, Purba Medinipur, 9 march, 2015. (Paper Presented)</i> <i>Title: Studies on optimization under uncertainty in a crop production planning</i>

(9)	<p>“UGC Sponsored national Seminar on Advanced level of Mathematical Science” held at Dept. of Mathematics, Raja N. L. Khan Womens College, Paschim Medinipur, 9-10 Feb.,2017. (Paper Presented)</p> <p>Title: Optimization Under Uncertainty in Rural Economic development planning</p>
(10)	<p>“UGC Sponsored national Seminar Global warming and bio diversity loss” held at Dept. of Zoology, Egra SSB College, Purba Medinipur, 7-8 march,2015. (Paper Presented)</p> <p>Title: Fuzzy crop planning problem based on entropy measure</p>
(11)	<p>“Inter national Seminar on Rabindrath : Literature and politics” held at Dept. of Political Science, Egra SSB College, Purba Medinipur, 28 April,2017. (Paper Presented)</p> <p>Title: Rural economic development planning model under uncertainty</p>
(12)	<p>“International conference on Information Technology and Applied Mathematics” held at Haldia Institute of Technology, Haldia , Purba Medinipur, India, March07-09, 2019. (Paper Presented)</p> <p>Title: Disaster / Hazard and transport System</p>
(13)	<p>“NSS Programme officer Orientation training Programme”, held at Vidyasagar University, India, May 19-25, 2019.</p>
(14)	<p>“State level workshop on Python for scientific Computing”, held at Department of Physics, Achhiruram Memorial College, Purulia , West Bengal, May 8,2019.</p>
(15)	<p>“Special Lecture on Therapeutic strategy to prevent neurodegeneration” held at Egra S.S.B. College, Egra ,February 25, 2019.</p>
(16)	<p>“One day State level Seminar on Emerging Issues in Accounting and Finance ”, held at Department of Commerce, Egra S.S.B. College, Egra, , West Bengal, February 16,2019. (Paper Presented)</p> <p>Title: Optimization in Finance: Multi-objective portfolio Selection problem</p>
(17)	<p>” One day workshop on Career Advancement Scheme (CAS) and Preparation to Face NAAC- Inspection” held at Egra S.S.B. College, Egra, , West Bengal, June 1., 2019.</p>
(18)	<p>One day workshop on User behavior in academic libraries in the digital era” held at Dept. of Library, Egra SSB College, Purba Medinipur, May 31,2019.</p>
(19)	<p>“One day Symposium on CBCS UG syllabus of Mathematics 2019” held at Dept. of Applied Mathematics, Vidyasagar University, India , September 12,2019.</p>
(20)	<p>“Three days International Seminar on Systematic approach to Modern Sciences and its Philosophical Impacts” held at Bajkul Milani Mahavidyalayae, Purba Medinipur, February 6-8.,2020. (Paper Presented)</p> <p>Title: Multi-objective food production and agricultural model under uncertainty</p>
(21)	<p>“Tobacco Control Workshop” held in Kolkata, February 25,2020.</p>

Organize national / international Work Shop/ Seminar:

1. As a Convenor and national Organizing member, **Poster session** with “**Discussion on Physics and Applied Mathematics**(PDPAM-2015)” 23rd December 2015 , Egra SSB College,<https://pdpam.blogspot.in>
2. As a Convenor and national Organizing member, **Poster session** with “**Discussion on Physics and Applied Mathematics**(PDPAM-2017)” 31st January 2017 , Egra SSB College <https://pdpam.blogspot.in>
3. As a Joint Organizer “Two days state level seminar on Emerging Issues in Physics, Mathematics and Computer Science” ,February 14-15, 2019, Egra SSB College.
4. As a Joint Secretary “Two days International seminar on Classical to Quantum Computing” February 15-16, 2020 , Egra SSB College .
5. As a Convenor “ National webinar on Recent Advances in Mathematical Sciences” August 16. 2020 , Egra SSB College .

Other Academic Experiences:

1. Paper Setter & Examiner of WBUT from 2004 to 2008.
2. Journal Paper Reviewer (journal of Computer & Mathematics with application, Elsevier)
3. *Examiner , Paper Setter and External examiner of Vidyasagar University from August 2016 to till date.*

References

1. Dr. Tapan Kr. Roy, Asst. Professor of Applied Mathematics, Bengal Engineering & Science University, Howrah-711103, W.B.
2. *Dr. Sanat Kr. Majumder, Asst. Professor of Applied Mathematics, Bengal Engineering & Science University, Howrah-711103, W.B.*

Personal Details:

Father's Name : Gobardhan Samanta
Mother's Name : Pusparani Samanta
Date of Birth : 3rd April, 1978
Nationality : Indian
Religion : Hinduism
Sex : Male

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Category : General

Languages Known : Bengali, English.
(Read, Write, speak)

Computer : MS word, MS excel, Paint, FORTRAN, C , C++ etc.
Knowledge