Personal Profile / Curriculum Vitae

Dr. Samiran Karmakar
Assistant Professor

Address

i) **Address for Communication: Nabapally (Near Circuit House)**
Bhairabsthan More,
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ii) **Permanent Address: Nabapally (Near Circuit House)**
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Personal Details

Contact Number: +919474189456

Email Id: skmath.rnc@gmai.com

Date of Birth: 04/04/1981

Date of Joining: 26/03/2015

Web Page Link (if any):

Educational Qualification

M.A / MSc. /M.Com:
(Institute and Passing year) The University of Burdwan, 2004

PhD: (Institute and Passing year) The University of Burdwan, 2012

Post-Doctorate Experience (if any): Nil

Area of Teaching: Calculus (Differential and Integral), Differential Equations (ODE, PDE), Multivariate Calculus, C Programming Language, Vector Analysis, Differential Geometry.

Research Interest: Interval Analysis, Optimization and Operations Research

Awards and Fellowships: 1. National Scholarship Awardee (under MHRD), B.Sc. (Hons.) Exam, 2002

2. State (W.B.) Funded Research Fellowship, 2006.

Research Project:

Ph.D. / M. Phil. Thesis Guidance: **N. A.**

Student's Name	Thesis Title	Registration Year	Institution / University

Member of Personal Body / Editorial Board:

Member of the Under Graduate Board of Studies (Mathematics), Bankura University

Faculty Development Courses / Programs attended:

Name of the Course / Program	Venue	Duration
1. Teachers' Enrichment Programme on Higher Mathematics.	Calcutta Mathematical Society (CMS)	13 June, 2019 – 22 June, 2019
2. National Level Teachers' Enrichment Workshop in Mathematics	Calcutta Mathematical Society (CMS)	15 June, 2017 – 29 June, 2017
3. Teachers' Training on C Programming	Dept. of Mathematics, The University of Burdwan	22 February, 2017 – 28 February, 2017
4. One day Faculty Improvement Programme.	Dept. of Economics, St. Xavier's College, Kolkata	6th October, 2012.
5. Workshop on SPSS software	St. Xavier's College	December 2010 – January, 2011.

National / International Publications (if any):

i) Title of the article: "**An efficient interval computing technique for bound constrained uncertain optimization problems**", Journal: *Optimization: A Journal of Mathematical Programming and Operations Research*, Journal Publisher: **Taylor and Francis Group**, ISSN No. **0233-1934 (Print), 1029-4945 (Online)**, Publication: Vol. 63, Issue 11, pages: 1615 – 1635, 2014.

ii) Title of the article: "**A nonlinear interval programming technique for uncertain optimization problems via multiobjective programming**", Journal: *Journal of the Egyptian Mathematical Society (JOEMS)*, Journal Publisher: **Elsevier Science**, ISSN No. **1110 – 256X**, Publication: Vol. 22, Issue 2, pages: 292 – 303, 2014.

iii) Title of the article: "**Uncertain constrained optimization by interval-oriented algorithm**", Journal: *Journal of the Operational Research Society (JORS)*, Journal Publisher: **Palgrave Macmillan Journal Publishers**, ISSN No. **0160-5682 (Print), 1476-9360 (Online)**, Publication: Vol. 65, pages: 73-87, 2014.

iv) Title of the article: "**A new multi-section based technique for constrained optimization problems with interval valued objective function**", Journal: *Applied Mathematics and Computation (AMC)*, Journal Publisher: **Elsevier Science**, ISSN No. **0096 - 3003**, Publication: Vol. 225, pages: 487-502, 2013.

v) Title of the article: "**On constrained optimization by interval arithmetic and interval order relations**", Journal: *OPSEARCH*, Journal Publisher: **Springer**, ISSN No. **0030-3887 (Print), 0975-0320 (Online)**, Publication: Vol. 49 (1), pages: 22-38, 2012.

vi) Title of the article: "**A comparative study of different order relations of intervals**", Journal: *Reliable Computing*, Journal Publisher: **University of Louisiana at Lafayette, USA**, ISSN No. **1573-1340,** Publication: Vol. 16, pages: 38-72, 2012.

vii) Title of the article: "**Interval oriented multi-section techniques for global optimization**", Journal: **Journal of Computational and Applied Mathematics,** Journal Publisher: **Elsevier Science**, ISSN No. **0377-0427,** Publication: Vol. 224(2), pages: 476-491, 2009.

viii) Title of the article: "**Multi-Section Method for Global Solution of Non-Linear Optimization Problems by Interval Computing Technique**", Published in the Proceedings of the UGC sponsored National Seminar on '**Recent Advances in Operational Research and Related Computational Aspects**', Dept. of Applied Mathematics, University of Calcutta, August 22-23, 2007.

List of Books / Book Chapters Published:

A. Book Published:

1. **ICSE MATHEMATICS, Publisher: Santra Publications, Year: 2017.**
2. **UCCHATARA GANIT, Publisher: Santra Publications, Year: 2018.**

B. Book Chapters:

1. **Title:** *Application of Interval Oriented Multi-section based Technique for Fractional Programming Problem*, **Book: A Diamond Collection of Research Articles.**
2. **Title:** *Interval Multi-Objective Optimization by Extended Global Criterion Method*, **Book: A Diamond Collection of Research Articles (Vol. II).**

National / International seminars / conferences / workshop attended/ Paper presented:

Sl No	Name of Seminar / Workshop / Symposium	Venue	Duration	State / National / International	Nature of Participation
1.	Mathematics and	Dept. of	January,	National	Nil

	Applications – Recent Trends	Mathematics, The University of Burdwan.	10-12, 2007		
2.	Emerging Trends in Computational and Applied Mathematics	Dept. of Applied Mathematics with Oceanology and computer Programming, Vidyasagar University, Midnapore.	31 January and 1st February, 2007	National	Nil
3.	Recent Advances in Operational Research and Related Computational Aspects	Dept. of Applied Mathematics, University of Culcutta.	August 22-23, 2007	National	Multi-Section Method for Global Solution of Non-Linear Optimization Problems by Interval Computing Technique
4.	International Conference on Frontier of Mathematics and Applications	Dept. of Mathematics, The University of Burdwan.	January, 16-18, 2008	International	Interval Oriented Multi-splitting Techniques for Non-Linear Global Optimization
5.	Third National Conference on Management Science and Practice	Indian Institute of Management, Ahmedabad	March 22-24, 2008	National	A New Interval Computing Process for Non-linear Constrained Optimization
6.	National Conference on "Advances in Mathematics"	Dept. of Mathematics, Gauhati University.	September 4-7, 2008	National	A study on Interval Order Relations
7.	Emerging Areas in Mathematics and Applications	Dept. of Mathematics, The University of Burdwan.	February 18-20, 2009	National	Nil
8.	Uncertainty: A Mathematical Approach	Maharajadhiraj Uday Chand Women's College	February 27, 2009	National	Nil
9.	Governing Business in the 21st Century – Opportunities and Challenges	St. Xavier's College (Autonomous), Kolkata	November 20-21, 2009	National	Nil
10.	Recent Advances in Mathematics & Applications	Dept. of Mathematics, The University of Burdwan.	January, 13-15, 2010	International	A note on constrained global optimization with interval valued objective function.
11.	Social Security Vs Human Rights in India: An	Ramananda College, Bishnupur	September 25-26, 2010	National	Nil

	Introspection				
12.	Recent Reforms in Education in India: Trends and Challenges	University B.T. & Evening College and Tufangang College	October 1-2, 2010	National	Nil
13.	31st Annual Conference of Bengal Economic Association (BEA)	St. Xavier's College (Autonomous), Kolkata	February, 12-13, 2011	National	Nil
14.	Search for a Holistic Combination of Agriculture, Industry & Education.	St. Xavier's College (Autonomous), Kolkata	December 8, 2011	International	Nil
15.	Operations Research for Sustainable Development in Globalized Environment	Operations Research Society of India	January, 06 – 08, 2012	International	An Application of Multi-objective Programming in Nonlinear Constrained Optimization in Interval Environment
16.	Financial Reporting: Changing Paradigm	St. Xavier's College (Autonomous), Kolkata	February, 03-04, 2012	National	Nil
17.	Inertia, 2012: Global Consumerism – Mapping Trajectories of Business Remodeling.	St. Xavier's College (Autonomous), Kolkata	March, 19-20, 2012	International	Nil
18.	Optimization, Computing and Business Analytics.	Operations Research Society of India	December 20 – 22, 2012	International	Presented the thesis entitled "A study on interval ranking and its applications in optimization problems.
19.	Application of Statistics & Statistical Computing.	St. Xavier's College (Autonomous), Kolkata	January 30 – 31, 2013	National	Nil
20.	Inertia, 2013: An International Marketing Summit on "The Global Entrepreneur"	St. Xavier's College (Autonomous), Kolkata	April 12 – 13, 2013	International	Nil
21.	Inclusive Growth, Business and Environment in India's Emerging Economy	St. Xavier's College (Autonomous), Kolkata	September 6 – 7, 2013	National	Nil

22.	Re-imaging India: Challenges and Opportunities in Finance, Management and Policy –making.	St. Xavier's College (Autonomous), Kolkata	September 19 – 20, 2014	National	A new approach for interval linear programming problem and its application in interval valued transportation problem.
23.	Workshop on Motivational Aspects of Studying Higher Mathematics	Dept. of Mathematics, Garhbeta College.	March 07, 2018	State Level	Nil
24.	In Service Training under Rehabilitation Council of India, GOI	Bankura Christian College	25th – 27th May, 2018	National	Nil

Other Notable Activities: