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SOUMEN KR. DAS

CAREER OBJECTIVE:

To pursue a challenging career and be a part of progressive organization that gives me scope to enhance my knowledge, skills and reach the pinnacle in the field with determination, dedication and hard work.

PRESENT INVOLVEMENT:

Assistant Professor of Mathematics (01.10.2020-till date) at the Dept. of Pure and Applied Science, **Midnapore City College**, Vidyasagar University, Midnapore, West Bengal, India.

TEACHING AND RESEARCH EXPERIENCES:

Guest Lecturer (11.03.2020-30.09.2020) at the Dept. of Mathematics, **Midnapore City College**, Vidyasagar University, Midnapore, West Bengal, India.

Senior Research Fellow (23.02.2018-10.03.2020) under the supervision of **Prof. Dr. Sankar Kumar Roy** at the Dept. of Applied Mathematics, Vidyasagar University, Midnapore, West Bengal, India.

Junior Research Fellow (11.03.2015-22.02.2018) under the supervision of **Prof. Dr. Sankar Kumar Roy** at the Dept. of Applied Mathematics, Vidyasagar University, Midnapore, West Bengal, India.

PHD THESIS DETAILS

Proposed Thesis title: Facility location problems under uncertain environments

Guide's Name: Prof. Dr. Sankar Kumar Roy

Department: Applied Mathematics with Oceanology and Computer Programming

University: Vidyasagar University, Midnapore, West Bengal

Present status: Degree awarded

Year: 2021

RESEARCH INTEREST:

- Location Theory Uncertain Environments
- Transportation Problem Green Supply Chain
- Carbon Emissions Inventory Management

- Sustainable Development Multi-objective optimization

Known Programming Languages: C, C++, MATLAB, CPLEX, LINGO Software.

Others skills: Microsoft office package, LATEX.

ACADEMIC QUALIFICATIONS

Examination	Board/University	Institution	Year	Class/ Division	% of Marks
PhD in Mathematics	Vidyasagar University	Vidyasagar University	2021	-	-
M.Sc. (Mathematics)	Vidyasagar University	Vidyasagar University	2014	1 st	71.5
B.Sc. (Hons. in Mathematics)	Vidyasagar University	Midnapore College	2012	1 st	69.13
Higher Secondary	West Bengal Council of Higher Secondary Education	Sabang Saradamoyee higher secondary School	2009	1 st	83
Secondary (Madhyamik)	West Bengal Board of Secondary Education	Sabang Saradamoyee higher secondary School	2007	1 st	86.5

ACHIEVEMENTS:

1. INSPIRE SCHOLARSHIP-(2009-2014)

- INSPIRE Scholarship Registration No.- [861/2009]

2. JAM- 2012

3. INSPIRE FELLOWSHIP-(2015-2020)

- Ref. No.- [DST/INSPIRE/03/2014/000346]
- INSPIRE Fellow Registration No.- IF150209

4. GATE-2015

PUBLISHED & COMMUNICATED PAPERS:

Publications in SCOPUS/SCIE/SCI journals

1. Soumen Kumar Das and Sankar Kumar Roy (2019). Effect of variable carbon emission in a multi-objective transportation-p-facility location problem under neutrosophic environment. **Computers & Industrial Engineering**, Elsevier, SCI, Q1 Level, I.F: 5.431.

2. Soumen Kumar Das, Sankar Kumar Roy and Gerhard-Wilhelm Weber (2019). Heuristic approaches for solid transportation- p - facility location problem. **Central European Journal of Operations Research**, Springer, SCIE, Q2 Level, I.F: 2.345.
3. Soumen Kumar Das, Sankar Kumar Roy and Gerhard-Wilhelm Weber (2020). An exact and a heuristic approach for transportation- p -facility location problem. **Computational Management Science**, Springer, Scopus indexed.
4. Soumen Kumar Das, Sankar Kumar Roy and Gerhard-Wilhelm Weber (2020). Application of type-2 fuzzy logic to a multi-objective green solid transportation-location problem with dwell time under carbon tax, cap and offset policy: Fuzzy vs. Non-fuzzy techniques, **IEEE Transactions on Fuzzy Systems**, IEEE, SCI, Q1 Level, I.F: 12.029.
5. Soumen Kumar Das, Magfura Pervin, Sankar Kumar Roy and Gerhard-Wilhelm Weber (2021). Multi-objective solid transportation-location problem with variable carbon emission in inventory management: a hybrid approach, **Annals of Operations Research**, Springer, SCI, Q1 Level, I.F: 4.854.
6. Soumen Kumar Das and Sankar Kumar Roy (2021). An approximation approach for fixed-charge transportation- p -facility location problem, **Accepted in Logistics and Supply Chain Management**, Springer Nature Switzerland AG 2021.

List of Communicated Papers

7. Location-allocation problem for distribution and resource relocation under uncertainty in disaster relief operations, (Revision submitted in **Socio-Economic Planning Sciences**, SCI, Q1 Level, I.F: 4.923).
8. The impact of carbon tax policy in a multi-objective green solid logistics modeling under sustainable development, Communicated.
9. Fuzzy multi-objective modelling of a green location-allocation problem for sustainable two-stage logistics network, Communicated.

CONTRIBUTION AS A REVIEWER:

- I. International Journal of Supply and Operations Management, Scopus indexed.
- II. Computers & Industrial Engineering, SCI, I.F. 4.135.
- III. Expert Systems with Applications, SCI, I.F. 5.452
- IV. RAIRO - Operations Research, SCIE, I.F. 1.025.
- V. Journal of Industrial & Management Optimization, SCIE, I.F: 1.366.
- VI. EURO Journal on Transportation and Logistics
- VII. Numerical Algebra, Control and Optimization, Scopus indexed.

ATTENDED CONFERENCES/ SEMINARS / WORKSHOPS/ WEBINARS:

1. UGC Sponsored National Level Seminar on Emerging Trends in Mathematics, Organized by

Department of Applied Mathematics with Oceanology & Computer Programming in Collaboration with Calcutta Mathematical Society, Vidyasagar University, 2012.

2. UGC Sponsored 1st International Conference on Recent Trends in Mathematics and Its Applications, Organized by **Department of Applied Mathematics with Oceanology & Computer Programming, Vidyasagar University, 2013.**
3. UGC Sponsored National Level Seminar on Recent Aspects in Mathematics and Their Applications, Organized by **Department of Applied Mathematics with Oceanology & Computer Programming, Vidyasagar University, 2014.**
4. Workshop for Revision of Syllabus for Honours and Pass Course of Vidyasagar University in Mathematics, Organized by **Department of Applied Mathematics with Oceanology & Computer Programming, Vidyasagar University, 2014.**
5. Workshop for Revision of Syllabus for Honours and Pass Course of Vidyasagar University in Statistics, Organized by **Department of Applied Mathematics with Oceanology & Computer Programming, Vidyasagar University, 2014.**
6. UGC Sponsored 2nd International Conference on Recent Trends in Mathematics and Its Applications (ICRTMA 2015), Organized by **Department of Applied Mathematics with Oceanology & Computer Programming, Vidyasagar University, West Bengal, India, 2015.**
7. Workshop on Recent Development on Optimization and Operations Research, Organized by **Department of Applied Mathematics, Calcutta University, West Bengal, India, 29th July, 2015.**
8. National Conference on Optimization and Computational Mathematics (NCOCM 2016), Organized by **Department of Applied Mathematics with Oceanology & Computer Programming, Vidyasagar University, West Bengal, India, 1-2 March, 2016.**
9. UGC Sponsored National Conference on Futuristic Trends in Applied & Computational Mathematics 2017 (NCFTACM 17), Organized by **Department of Applied Mathematics with Oceanology & Computer Programming, Vidyasagar University, West Bengal, India, 29-30 March, 2017.**
10. 3-day workshop on Introduction to algorithms with special emphasis to graph algorithms with collaboration ACADEMY OF DISCRETE MATHEMATICS AND APPLICATIONS (ADMA), Organized by **Department of Applied Mathematics with Oceanology & Computer Programming, Vidyasagar University, West Bengal, India, 27-29 March, 2018.**
11. International Webinar on “The Role of Applied Mathematics in Present Global Crises”, Organized by **Department of Applied Mathematics with Oceanology & Computer Programming, Vidyasagar University, West Bengal, India, 5-7 August, 2020.**
12. Two-day Enrichment Programme for Students & Teachers on Linear Algebra, Analysis & Differential Equations organized by **Department of Mathematics, Garhbeta College, West Bengal, India, 8th -9th September, 2020.**
13. “International Conference on Nature Inspired Dynamical Systems-2020”, Organized by **Department of Mathematics, Gujarat University, Ahmedabad, India, 12 September, 2020.**

14. 5 Days FDP programme on "**Applied Mathematical Skills for Science and Engineering Using Contemporary Tools**", Organized by Department of Applied Science, Maulana Abul Kalam Azad University of Technology, WEST BENGAL In association with Islamic University of Science & Technology, Jammu & Kashmir Funded by- TEQIP-III, **14-18 September, 2020.**
15. "**Enhancing Entrepreneurship Skills using Mathematical Mind**", Organized by Department of Mathematics and Statistics, Manipal University Jaipur, India, **24 September, 2020**
16. **FDP on "Academic Writing and Publishing" and "Data Analysis using R"**, Organized by Centre for Research, Birla Global University (formerly BIMTECH), Bhubaneswar, India, **09-10 October, 2020.**
17. 53rd Annual Convention of the Operational Research Society of India and International Webinar "Role of Operations Research during Pandemic" in association with Operational Research Society of Nepal on December 17-20, 2020.

PRESENTED PAPERS ON CONFERENCES & SEMINARS:

1. National Seminar on Application of Mathematics in Technology and Management (NSAMTM 2016), Organized by **Narula Institute of Technology, Kolkata, West Bengal, India, 8-9 September, 2016.**
2. UGC Sponsored 2 day National Seminar on Advanced Level of Mathematical Science, Organized by **Raja Narendra Lal Khan Women's College, Vidyasagar University, West Bengal, India, 9-10 Feb, 2017.**
3. 20th International Mathematics Conference with collaboration of Bangladesh Mathematical Society, Organized by **Department of Mathematics, University of Dhaka, Dhaka, Bangladesh, 8-9 Dec, 2017.**
4. International Conference on Mathematics and its Applications (ICMA 2018), Organized by Department of Mathematics, **The University of Burdwan, West Bengal, India, Feb 15-17, 2018.**
5. 3rd International Conference on Mathematical Techniques in Engineering Applications (ICMTEA 2018), Organized by Department of Mathematics, **Graphic Era Deemed to be University, Dehradun, India, December 7-8, 2018.**
6. 1st Research Scholar Day on Mathematics, Organized by **Department of Applied Mathematics with Oceanology & Computer Programming, Vidyasagar University, West Bengal, India, 28 March, 2019.**
7. ICSSR Sponsored Two-day National Seminar on Application of Graph Theory to promote interdisciplinary and multidisciplinary research in allied social science, engineering and technology, Organized by **Department of Mathematics, Sushil Kar College, Champahati, West Bengal, India, 26-27 April, 2019.**

8. 7th International Conference on Logistics and Supply Chain Management Organized by **Kharazmi University and Iran Logistics and Supply Chain Society, Kharazmi University, Iran, December 23-24, 2020.**

Organizing as Convener/ Jt. Convener in Seminar/ Conference/Webinar:

1. Two Day International Webinar on “Futuristic Trends in Mathematics 2021” September 7-8, 2021 Organized by Department of Pure and Applied Science, Midnapore City College.

Member of the International Scientific Committee/ Organizing Committee/ Technical Program Committee in Int. Conference:

1. 7th International Scientific-Technical Conference MANUFACTURING 2022 to be held May 16–19, 2022 in Poznan University of Technology, Poznan.

PERSONAL DETAILS:

Father’s Name : Sakti pada Das
Mother’s Name : Lakshmi Das
Date of Birth : 12th August, 1991
Category : General
Nationality : Indian
Region : Hindu
Marital Status : Married
Permanent Address : Balarampur, Sabang, Paschim Medinipur, 721144
Phone no. : +91-7001027983
Languages : Bengali, English, Hindi

The above statements are true to the best of my knowledge and belief.

Place: Midnapore
Date: 14.09.2021

Soumen Kr. Das.

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(SOUMEN KR. DAS)