



**Name: Dr. BIPLAB SINHA MAHAPATRA**

**Designation: Assistant Professor**

**Branch: Mathematics**

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**Educational Qualification(s):**

| Qualification(s) | University                              |
|------------------|---|
| Ph. D            | Jadavpur University, Kolkata            |
| M. Sc.           | IEST, Shibpur (Formerly known as BUSUS) |

**Experience in years:**

Academic :

Details:

| Sl. No. | Organization  | Position Held                        | Duration       |                |
|---------|---|--------------------------------------|----------------|----------------|
|         |   |                                      | From           | To             |
| 1       | Dr. B R Ambedkar<br>National Institute of<br>Technology, Jalandhar,<br>Punjab | Assistant Professor<br>(On Contract) | 31-01-<br>2017 | 02-06-<br>2017 |
| 2       | RNB Global University,<br>Bikaner, Rajasthan                                  | Assistant Professor                  | 04-07-<br>2016 | 14-01-<br>2017 |
| 3       | Seacom Engineering<br>College, Howrah,<br>Westbengal                          | Assistant Professor                  | 05-08-<br>2008 | 30-06-<br>2016 |

**Other Information:**

a) Publication details.

**Journal Publications**

1. G.S. Mahapatra, **B.S. Mahapatra** and T.K. Roy, Fuzzy system reliability analysis when constant failure rate of components is fuzzy number, *Advances in Fuzzy Sets and Systems*, 4 (1), 2009, Page- 85-105.

2. G.S. Mahapatra, **B.S. Mahapatra** and T.K.Roy, System reliability assessment with constant failure rate of components under fuzziness, *The Journal of Fuzzy Mathematics*, **18(3) 2010, 553 – 566.**
3. G.S. Mahapatra and **B.S. Mahapatra**, Intuitionistic fuzzy fault tree analysis using intuitionistic fuzzy numbers, *International Mathematical Forum*, 5 (21), 2010, 1015 - 1024.
4. **B.S. Mahapatra** and G.S. Mahapatra, Reliability and cost analysis of series system models using fuzzy parametric geometric programming, *Fuzzy Information and Engineering*, 2 (4), 399-411, **2010.**
5. G.S. Mahapatra, **B.S. Mahapatra**, Redundancy optimization using intuitionistic fuzzy multi-objective programming, *International Journal of Performability Engineering*, 7(2) 2011, 155-166.
6. G.S. Mahapatra, **B.S. Mahapatra**, and P.K. Roy, Fuzzy decision-making on reliability of a Series System: Fuzzy Geometric Programming Approach, *Annals of Fuzzy Mathematics and Informatics*, 1(1) 2011, 107-118.
7. **B.S. Mahapatra**, G.S. Mahapatra and P.K. Roy, Reliability analysis using weakest t-norm on triangular intuitionistic fuzzy set, *Bulletin of the Calcutta Mathematical Society*, 103(5), 2011, 433-444.
8. G.S. Mahapatra, **B.S. Mahapatra** and P.K. Roy, Network reliability evaluation with fuzzy components using interval nonlinear programming, *Journal of Intelligent and Fuzzy Systems*, 27, 2014, 743-751.
9. G.S. Mahapatra, **B.S. Mahapatra**, P. Roy and P.K. Roy, Entropy based region reducing genetic algorithm approach for redundancy allocation in crisp and interval environment, *Expert system with application*, 41, 6147-6160, 2014.
10. **B.S. Mahapatra**, G.S. Mahapatra and P.K. Roy, Fuzzy Variable based fuzzy non-linear programming approach for optimization of complex system reliability, *Journal of Intelligent and Fuzzy Systems*, 28, pp. 1899-1908, 2015.
11. **B.S. Mahapatra**, G.S. Mahapatra and P.K. Roy, A new concept for fuzzy variable based non-linear programming problem with application on system reliability via genetic algorithm approach, *Annals of Operations Research*, 247(2) pp. 853-866, 2016.

### **Proceeding Publication**

1. G.S. Mahapatra and **B.S. Mahapatra**, Fuzzy EPQ Model with Process Reliability Consideration under Space Constraint: A Fuzzy Parametric Geometric Programming Approach, *Proceedings of National Conference on Applied Mathematics*, B.S. Abdur Rahman University, Chennai, India, 28-29th January 2010, 103-109.

(b) Details of Seminar/Workshop/Conference.

1. Participated in **National Conference on Mathematical and Theoretical Biology (NCMTB 2015)** held during 19-20 November, 2015 organized by Jadavpur University.
2. Participated in **International Conference on Dynamical Systems and Mathematical Biology** held during 17-19 November, 2014 organized by Jadavpur University.
3. Presented a paper in **International Conference on Dynamical Systems: Theory and Applications (ICDS 2012)** held during 11-14 January, 2012 organized by Jadavpur University.

4. Presented a paper in **National Conference on Mathematics and its Applications (NCMA 2011)** held during 13-14 January, 2011 organized by Jadavpur University.
5. Presented a paper in **National Conference on Applied Mathematics (NCAM 2010)** held during 28-29 January, 2010 organized by B.S. Abdur Rahman University, Chennai, India.
6. Presented a paper in **15<sup>th</sup> West Bengal state science and technology congress** held during 28-29 February, 2008 organized by Bengal engineering and Science University.

(c). Professional membership of reputed bodies if any.

Member of **Bio mathematical Society of India.**