



## **TEACHER PROFILE/ CV**

**1. Full name of the faculty member: DR. Jhuma Bhowmick**

**2. Designation: Assistant Professor (Stage 2)**

**3. Department: Mathematics**

**4. Specialization (if any): Operations Research**

**5. Contact Information:**

[jhumabakshibhowmick@gmail.com](mailto:jhumabakshibhowmick@gmail.com)

**6. Academic qualifications**

*Please mention here the degrees (graduation onward):*

<b>College/ University</b>	<b>Abbreviation of the Degree</b>
Calcutta University	B.Sc. (Honours in Mathematics)
Calcutta University	M.Sc. (Applied Mathematics)
Calcutta University	B.Ed.
Bengal Engineering and Science University	Ph.D. (Science- Operations Research)

**7. Post holding after appointment at this institution**

<b>Designation</b>	<b>Department</b>	<b>Duration</b>		<b>Institution</b>
		<b>From</b>	<b>To</b>	
1. Lecturer	Mathematics	26.05.2005	31.12.2005	Maharaja Manindra Chandra College
2. Assistant Professor (Stage-1)	Mathematics	01.01.2006	30.06.2011	M.M.C.C.
3. Assistant Professor (Stage-2)	Mathematics	01.07.2011	Till Date	M.M.C.C.



**7. Post held before appointment at this institution: N.A.**

Designation	Department	Duration		Institution
		From	To	

**8. Research interests**

Inventory Management

**9. Research Project: None**

*(a) Completed projects*

*(b) Current Project*

**10. Lectures delivered/paper presentation**

1. Presented a paper in the National Seminar on “Recent Advances in Operational Research and Related Computational Aspects” held during August 22-23, 2007 at the Department of Applied Mathematics, University of Calcutta.
2. Awarded First Prize in the National Paper Presentation Competition held on July 2<sup>nd</sup> and 3<sup>rd</sup> July, 2010 at the Management Education Centre, Heritage Institute of Technology, Kolkata.
3. Presented the paper “A Stochastic Inventory System with Random Yield, Partial Backlogging and Capital Investment” in the National Seminar on “Recent Advances in Computational Mathematics” (RACM-2016) held on 27-29<sup>th</sup> December, 2016, in the Department of Applied Mathematics, University of Calcutta sponsored by UGC-DSA SAP Phas-III and University of Calcutta.
4. Presented the paper “A Stochastic Inventory System with Random Yield, Capital Investment and Stochastic Lead Time” in the National Seminar on “Recent Advances in Mathematics And Its Applications” (RAMA-2017) held on March 01-02, 2017 at the Department of Pure Mathematics, University of Calcutta, 35, Ballygunge Circular Road, Kolkata-19.



5. Presented the paper “Optimal Inventory Policies for Imperfect Inventory with Stochastic Demand” in the UGC sponsored National Level conference on “Innovative Trends in Mathematics and its Applications” (ITMA -2016, 3<sup>rd</sup> August 2016) organized by Shri Shikshayatan College in collaboration with Calcutta Mathematical Society.
6. Presented a paper in the National Seminar on “Contemporary Research in Theoretical and Applicable Mathematics 2017” (September 8-9) jointly organized by Department of Mathematics, The Bhawanipur Education Society College and Calcutta Mathematical Society, Kolkata.
7. Presented the paper “ A Stochastic Inventory System with Weibull Distribution Deterioration and Random Demand” in the “International Conference on Geometry and Mathematic Models in Complex Phenomena” (ICGMMCP-2017, December 5-7)
8. Presented the paper “ A Stochastic Inventory Model with Defective Items and Random Lead Time Demand” in the International Conference MSAST 2017 (December 21-23) jointly organized by Institute for Mathematics, Bioinformatics, Information Technology and Computer Science (IMBIC) and MAKAUT, WB.

## 11. Publications:

### (a) Published paper in Journals

1. Bhowmick, J., Samanta, G.P., “A Continuous Deterministic Inventory System for Deteriorating Items with Inventory – Level –Dependent time Varying Demand Rate”, *Tamsui Oxford Journal of Mathematical Sciences*, 23(2) (2007) 173-184.
2. Bhowmick, J., Samanta, G.P., “An Order-Level Inventory Model for Items with Weibull Distribution Deterioration, Shortages and Stock-dependent Time Varying Demand”, *AMSE Periodicals (D), Production Engineering and Management Organization Human and Social Problems*, 30 (2) (2009) 64-77, ISSN 1240-4551.
3. Bhowmick, J., Samanta, G.P., “A Deterministic Inventory System with Weibull Distribution Deterioration and Ramp Type Demand Rate”, *Electronic Journal of Applied Statistical Analysis (EJASA)*, 3(2) (2010), 92-114, ISSN 2070 -5948.



4. Bhowmick, J., “Optimal Level Product Availability and Pricing Policy for Retailer in Supply Chain of Seasonal Items with Stochastic Demand Including the Mixture of Backorder and Lost Sales, *Perspectives on Management, Bi Annual Journal of Management Education Centre, Heritage Institute of Technology*, 2 (06) (2010), 187-205, ISSN: 0974-7095.
5. Bhowmick, J., Samanta, G.P., “A Deterministic Inventory Model of Deteriorating Items with Two Rates of Production, Shortages, and Variable Production Cycle, *International Scholarly Research Network ISRN Applied Mathematics* (2011), 01-16.
6. Bhowmick, J., Samanta, G.P., “Optimal inventory policies for Imperfect Inventory with Price Dependent Stochastic Demand and Partially Backlogged Shortages”, *Yugoslav Journal of Operations Research*, 22 (2012), 199-223.
7. Bhowmick, J., “Optimal Inventory Policies for Defective Inventory with Stochastic Demand”, *Bulletin of Calcutta Mathematical Society*, 108 (6) (2016) 493-504.

**(b) Articles /Chapters published in books:** N.A.

**(c) Conference/ seminar volumes**

1. **Proceedings of IMBIC** (Institute for Mathematics, Bioinformatics, Information Technology and Computer Science), Volume 6 (2017), ISBN 978-81-925832-5-9, p-232.

**(d) Other publication:** N.A.

## **12. Administrative/Professional Experience**

- (a.) Acted as Head of the Department from October 2014 for two years term.
- (b.) Convener of the Routine Sub-Committee
- (c.) Past Convener and presently member of Prize Distribution Sub-Committee

**13. Other notable activities:** (a) Life Member of Calcutta Mathematical Society

(b) Member of Council of Indian Statistical Institute

**14. Special remarks, if any:** N.A.