


## CURRICULUM VITAE

<b>Name:</b>	BABITA MISHRA	 <i>Photo</i>
<b>Designation:</b>	ASSISTANT PROFESSOR	
<b>School:</b>	SCHOOL OF PHYSICAL SCIENCES	
<b>Department:</b>	MATHEMATICS	
<b>Specialisation &amp; Research Interests:</b>	FUZZY OPTIMIZATION	
<b>Email ID &amp; Webpage (if any):</b>	<a href="mailto:BABITAMISHRA@MGCUB.AC.IN">BABITAMISHRA@MGCUB.AC.IN</a>	
<b>Mobile No.:</b>	8808560404	

### 2. ACADEMIC QUALIFICATION (in reverse Chronological order):

Examination Passed	Year	University / Board	Percentage / CGPA	Division	Specialisation / Subjects
PhD	2011	B.H.U., VARANASI			FUZZY OPTIMIZATION
M.SC.	2006	B.H.U., VARANASI	8.37	I	MATHEMATICS
B.SC.	2004	B.H.U., VARANASI	62.78	I	MATHEMATICS
INTERMEDIATE	2000	U.P. BOARD	62.5	I	PHYSICS, CHEMISTRY, MATHS, HINDI, ENGLISH
HIGH SCHOOL	1998	U.P. BOARD	66	I	SCIENCE II, S.SCIENCE, BIOLOGY,

Examination Passed	Year	University / Board	Percentage / CGPA	Division	Specialisation / Subjects
					MATHS, HINDI, ENGLISH

### 3. ANY OTHER QUALIFICATION:

### 4. PROFESSIONAL EXPERIENCE:

Position Held	Duration	Organisation/Institute/University
ASSISTANT PROFESSOR	07/07/2011 TO 26/06/2012	MANAV RACHNA COLLEGE OF ENGINEERING FARIDABAD
POST DOCTORATE FELLOW	01/01/2014 TO 02/10/2016	BANARAS HINDU UNIVERSITY, VARANASI

### 5. ADMINISTRATIVE ASSIGNMENTS:

Position Held	Duration	Nature of Work
Warden of Girl's Hostel	October 15, 2016 to June 16, 2017	Being a warden, I have made several efforts in maintaining discipline and ensure the cordial atmosphere.
Cultural Committee (Member)	January 28, 2017.	Several events were held in the university on the occasion of annual function (NAVANKUR2017). We (Dr. Shreedhar Satyakam, Mr. Chandoba Balande Narsing, and myself (Convener of the event)) have successfully organized a Quiz Competition

Medical committee (Member)	November 2016	Being a member of medical committee, we have roamed all around Motihari city in search of hospitals where the faculty members as well as students of our University can be benefitted with good medical facilities.
Discipline Committee (Member)	February 2017	During annual function of the University, I have ensured the discipline among the students.
Saraswati Pooja Organizing Committee (Member)	February 2017	We have organized Saraswati pooja in the university campus as well as also in the Girl's hostel.
Solo Dance Competition during Annual Function (Judge)	February 2017	I was one of the judges in solo dance competition.
Time Table Committee (Member)	November 2016 onwards	In drafting the time-table for all UG programmes running in the university in coordination with various Schools for its smooth implementation.
Ek Bharat Shrestha Bharat Committee (member)	November 18, 2019	we have perform various tasks under the said programme under the supervision of Nodal Officer.

## 6. COURSES TAUGHT:

Sl. No.	Programme	Course Title	Course Code		Semester	UG/PG
1.	B.Sc(Hons) MATHEMATICS	CALCULUS I	MATH	3001	I	UG
2.	B.Sc(Hons) MATHEMATICS	Real Analysis I	MATH	3002	II	UG
3.	B.Sc(Hons) PHYSICS	CALCULUS (GE)	MATH	3201	I	UG
4.	B.Sc(Hons) PHYSICS	ALGEBRA(GE)	MATH	3202	II	UG
5.	B.Sc(Hons) MATHEMATICS	CALCULUS II	MATH	3003	II	UG
5.	B.Sc(Hons) MATHEMATICS	NUMERICAL ANALYSIS	MATH	3007	III	UG
6.	B.Sc(Hons) MATHEMATICS	MATLAB	MATH	3008	III	UG
7.	B.Sc(Hons) CHEMISTRY	ELEMENTS OF ANALYSIS (GE)	MATH	3203	IV	UG
8.	B.Sc(Hons) MATHEMATICS	DISCRETE MATHEMATICS	MATH	3011	IV	UG
9.	B.Sc(Hons) MATHEMATICS	PROBABILITY THEORY AND STATISTICS	MATH	3020	V	UG

10.	B.Sc(Hons) MATHEMATICS	OPERATIONS RESEARCH	MATH	3023	VI	UG
11.	M.Sc.(MATHEMATICS)	OPERATIONS RESEARCH	MATH	4005	I	PG
12.	M.Sc.(MATHEMATICS)	COMPLEX ANALYSIS	MATH	4006	II	PG
13.	M.Phil.	FUZZY SETS AND APPLICATION IN OPERATIONS RESEARCH	MATH	5011	I	M.Phil.
14.	M.Phil.	RESEARCH METHODOLOGY	MATH	5001	I	M.Phil.

## 7. RESEARCH SUPERVISION: NA

### A. Ph.D.:

- i. Awarded :
- ii. Submitted :
- iii. Ongoing : 1

### B. M.Phil.:

- i. Awarded :
- ii. Submitted :
- iii. Ongoing : 1

### C. M.Tech.:

- i. Awarded :
- ii. Submitted :
- iii. Ongoing :

## 8. CONTRIBUTION TO CORPORATE LIFE OF THE UNIVERSITY:

Contributed As	Nature of Contribution	Date
As Examiner and Question Paper setter (External)	(i) Evaluated the Answer Sheets of Dr Rajendra Prasad Central Agricultural University, Pusa.	February, 2017 and June, 2017
	(ii) Setting Question Paper for the students of Dr Rajendra Prasad Central Agricultural University, Pusa.	March 2017

## 9. MEMBERSHIP OF SOCIETIES / PROFESSIONAL BODIES:

## 10. PUBLICATIONS:

### A. BOOKS/MONOGRAPHS: NA

#### 1. Authored:

- i. ....
- ii. ....
- iii. ....

#### 2. Edited:

- i. ....
- ii. ....
- iii. ....

### B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:

- i. Babita Mishra and S.R.Singh, A note on fuzzy goal programming with nested priorities, International Journal of Fuzzy Mathematics & Systems, vol-1, No.-1, 2011, 47-58.....
- ii. Fractional programming approach for solving a mixed fuzzy- stochastic multiobjective programming problem, European Journal of Scientific Research, vol-54, No.-4, 2011, 547-559.....
- iii. Selection techniques of the priority structure in the farm planning: A comparative study, Indian Journal of Industrial and Applied Mathematics, Vol-3, No.-1, 2012, 94-103. **(Taylor and Francis)**.
- iv. Linear fractional programming procedure for multi objective linear programming problem in agricultural system, International Journal of Computer Application, vol-61, No.-20, 2013, 45-52.
- v. Fuzzy multi objective fractional programming for land use planning in agricultural production system, Fuzzy Information and Engineering. vol-6, 2014, 245-262. **(Elsevier)**.
- vi. Solving a Fully Fuzzy Multiobjective Programming Problem using its Equivalent Weighted Goal Programming Problem, International Journal of Computer Application, Vol-134 (4), January 2016, 15-20.

**C. RESEARCH PAPERS IN EDITED AND PEER REVIEWED CONFERENCES:**

- i. Determination of optimal land allocation in agricultural crop planning through goal programming with fuzzy parameters, proceedings of the NCRAAM- 2012, conferences, February 18, 2012, 114-122.
- ii. Optimal land allocation in Agricultural production Planning using Fuzzy Goal Programming, Advances in Intelligent Systems and Computing, 436, Proceedings of 5<sup>th</sup> international conference on soft computing for problem solving, SocPros-2015, vol-1, 287-298. (Springer)

**11. INVITED TALKS:**

NA

**12. RESEARCH PROJECTS (COMPLETED / ONGOING):**

NA

**13. PARTICIPATION IN SEMINARS/SYMPOSIA/WORKSHOPS/CONFERENCES:**

- (1) **National Conference on Modern Analysis and Allied Areas** under the U.G.C.-D.R.S. programme, Department of Mathematics, Banaras Hindu University, Varanasi, 221005, held on February 23-24, 2007.
- (2) **Workshop cum Training Programme on stochastic models and their applications**, DST Centre for Interdisciplinary Mathematical Sciences, Banaras Hindu University, Varanasi 221005, held on September 22 – October 4, 2008.
- (3) **Training Programme on ‘Optimization and its Applications’** sponsored by department of Science and Technology, Government of India from December 24 - 29,2008 held at Banasthali University, Jaipur.
- (4) **Advance Training Programme on Nonconvex Optimization and its Applications**, DST Centre for Interdisciplinary Mathematical Sciences, Banaras Hindu University, Varanasi 221005 held on March 22-26, 2009.
- (5) **National Program on differential equations: Theory, Computation & Applications (NPDE-TCA)**, Sponsored by department of Science and Technology, Government of India from August 24-29, 2016 held at DST-CIMS, Banaras Hindu University, Varanasi.
- (6) **Presented a paper entitled ‘Goal Programming in a Fuzzy Environment using Trapezoidal Membership Function’** in the Conference at The Mathematical Society ,Banaras Hindu University during December 22- 24,2009.

- (7) Presented a paper entitled ‘**Selection Techniques of Priority Structure in the Farm Planning: a Comparative Studies**’ in the International Conference on Optimization and its Application during February 16-18, 2010, department of Mathematics ,Banaras Hindu University, Varanasi, 221005.
- (8) Presented a paper entitled “**Optimal land allocation in Agricultural production Planning using Fuzzy Goal Programming** “ in the International Conference SOCPROS-2015 during December 18-20, 2015, IIT Rurkee Saharanpur Campus.
- (9) Presented a paper entitled “**Fuzzy Goal Programming with Piecewise Linear Membership Functions for Decesion Making in Agricultural system**” in the national conference on Analysis and Applications during February 5-7, 2016, Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi, 221005.
- (10)Presented a paper entitled “ **Computational method for solving fully fuzzy multiobjective programming using its equivalent weighted goal programming problem**” in the International Conference on Mathematical Modeling & Simulation during August 29-31, 2016, Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi, 221005.

#### **14. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:**

1. NATIONAL BOARD OF HIGHER MATHEMATICS POST DOCTORAL FELLOWSHIP
2. U.G.C. UNIVERSITY RESEARCH FELLOWSHIO

#### **15. ANY OTHER SIGNIFICANT INFORMATION:**