RESUME

NAME: DR(MRS.) BANJUL BHATTACHARYYA
DESIGNATION: PROFESSOR

CONTACTS:

1. **OFFICIAL ADDRESS FOR CORRESPONDENCE:**
   Department of Agricultural Statistics, Faculty of Agriculture,
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4. **ORCID ID: 0000-0001-7473-4726**

5. **GOOGLE SCHOLAR PROFILE:_____**
6. **RESEARCHGATE PROFILE: _____**
7. **DATE OF BIRTH: __26___/___06___/__1967_____**
8. **DATE OF JOINING TO THE UNIVERSITY: ___10____/___07__/____1998_____**

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9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph D in Applied Mathematics	IIT(Indian School of Mines), Dhanbad	1996
MASTER'S	M.Sc Mathematics	University of Kalyani	1989
BACHELOR'S	B. Sc (Hons.) in Mathematics	University of Kalyani	1987

10. EMPLOYMENT HISTORY:(Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		From (Date)	**To (Date)**
Professor	Bidhan Chandra Krishi Viswavidyalaya	10.07.13	Till date
Associate Professor	Bidhan Chandra Krishi Viswavidyalaya	10.07.10	09.07.13
Reader	Bidhan Chandra Krishi Viswavidyalaya	10.07.07	09.07.10
Lecturer, Sr. Scale	Bidhan Chandra Krishi Viswavidyalaya	10.07.03	09.07.07

11. ADMINISTRATIVE POST(S)/ RESPONSIBILIY(IES) (IF ANY)

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
1.	Provost, All Ladies hostels	2003	2006
2.	Head, Department of Ag. Statistics	20.09.2018	20.09.2022
3.	Presiding officer/Member, Internal complaint Committee	2014	Till date

12. AREA OF RESEARCH : (Bulleted list)

- **Statistical modeling and forecasting agricultural system**
- **Time series Analysis**
- **Statistical Analysis of environmental factors**
- **Modeling crop systems under weather dynamics.**
- **Harnessing Machine learning for agricultural advancements.**

13. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDERGRADUATE	AST-111, AST(H)-111	Elementary Mathematics	1+0
	Ec-318	Elective course, Statistical Methods I	2+1
	AST(E)-111	Engineering Mathematics-I	3+0
	AST(E)-121	Engineering Mathematics-II	3+0
	AST(E)-231	Engineering Mathematics-III	3+0
POST GRADUATE	STAT 551	Mathematics I	3+0
	STAT 561	Mathematics II	3+0
	STAT 501	Mathematics for Applied Sciences	3+0
	STAT 522	Data Analysis using Statistical Packages	2+1
	STAT 567	Optimization Techniques	1+1
Ph.D.	STAT 601	Advanced Data Analysis	1+2
	STAT 602	Simulation Techniques	1+1
	STAT 618	Recent Advances in the Field of Specialization	1+0

14. NUMBER OF STUDENTS SUPERVISED:
Master's.: 10   Doctoral: 14

15. PROJECT ACTIVITIES : Nil

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI

16. CAPACITY BUILDING/FACULTY DEVELOPMENTPROGRAMME ORGANIZED : Nil

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE

17. SEMINAR/ SYMPOSIUM/ WORKSHOP etc ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	Winter School on "*Computational Statistics in Agricultural Sciences*" organized by Bidhan Chandra Krishi Viswavidyalaya, Sponsored by Indian Council of Agricultural Research (ICAR) held at the Department of Agricultural Statistics	8th to 28th November 2002	BCKV	Member of the organizing committee and resource person
2.	Winter School on "*Recent Advances in Computational Statistics in Agricultural Sciences*" organized by Department of Agricultural Statistics Bidhan Chandra Krishi Viswavidyalaya, sponsored by Indian Council of Agricultural Research (ICAR)	22ND December 2003 TO 20TH January 2004.	BCKV	Member of the organizing committee and resource person
3.	*National Seminr on Recent Advances in Statistical Tools For Agriculture And Allied Sciences* Jointly organized by Society for Application of Statistics in Agriculture and Allied Sciences (SASAA) and Department of Agricultural Statistics Bidhan Chandra Krishi Viswavidyalaya	3-5 March, 2016	BCKV	Treasurer
4.	National Workshop Cum Training Programme On Statistical Tools For Research Data Analysis (Series I). Organised by SASAA and Dept. of Agricultural Statistics, BCKV.	16-22 March, 2015	BCKV	Member, Organizing Committee
5.	National Workshop Cum Training Programme On Statistical Tools For Research Data Analysis (Series II). Organised by SASAA and Dept. of Agricultural Statistics, BCKV.	Two weeks Starting date29th May, 2017	BCKV	Joint Secretary

18. PATENTS/ HONOURS/ AWARDS/ RECOGNITION (Bulleted list): Nil

19. INTERNATIONAL COLLABORATIONS/ INVOLVEMENT, IF ANY (Bulleted list): Nil

20. PUBLICATIONS

A. BOOKS

1. Statistical Analysis of Indian Agricultural Workforce - A Study on Gender Perspective. Publisher: Lambert Academic Publishing ISBN: 978-3-659-16618-1.

2. Statistical Study on Weather Based Crop Modelling and Yield Forecasting . Publisher: Lambert Academic Publishing ISBN-10 : 6202816066,ISBN-13 : 978-620281606

B. RESEARCH PAPERS (Best 10)

i) Sathees Kumar, K., Bhattacharyya, B., Gowthaman,T. and Elakkiya, N.(2024) Wavelet-ARIMA-TDNN Model for Agricultural Commodity Price Forecasting. *Statistics and Applications*, 22(2) :217-229. (NAAS:6.3)

ii) Gowthaman T, Sathees Kumar K and Bhattacharyya B.(2023). Detecting air pollutants trends using Mann-Kendall tests and Sen's slope estimates . *Environment Conservation Journal* 24 (3): 157-166 (NAAS: 5.66)

iii) Gowthaman T ,Sathees Kumar K , Adarsh V. S and Bhattacharyya B.(2022).Trend Analysis and ARIMA Models for Water Quality Parameters of Brahmani River, Odisha, India. *International Journal of Environment and Climate Change*, 12(12):219-228 (NAAS:5.16)

iv) Bhattacharyya B , Biswas R., Sujatha K. and Chiphang, D. Y. (2021) Linear Regression model to study the effects of weather variables on crop yield in Manipur state. *Int. J. Agricult. Stat. Sci.,* 17 (1):317-320 (NAAS:5.13)

v) Sujatha, K. and Bhattacharyya, B. (2021) Impact of weather parameters on production of major crops in Manipur. *Multilogic in Science*. 10(36) :1541-1545(NAAS: 5.20)
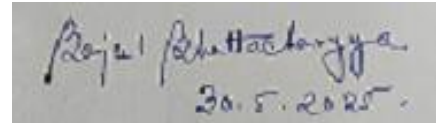
vi) Biswas R . and Bhattacharyya B. (2019) Use of Multivariate Multiple Regression Model to Predict Wet-season Rice Yield in Lower Gangetic Region of West Bengal, India. *Journal of the Indian Society of Agricultural Statistics* 73(3) 2019 207–210 (NAAS: 5.46)

vii) Biswas S. and Bhattacharyya B.(2019) A Time Series Modelling and Forecasting of Irrigated Area under Major Crops in India using ARIMA Models. *Int.J.Curr.Microbiol.App.Sci* 8(12): 2383-2398 (NAAS: 5.38)

viii) Biswas R, Banerjee S. and Bhattacharyya B. (2018). Impact of temperature increase on performance of *kharif* rice at Kalyani, West Bengal using WOFOST model. *Journal of Agrometeorology* 20(1):28-30. (NAAS: 6.4)

ix) Bhavyashree S. and Bhattacharyya B. (2018) Fitting Probability Distributions for Rainfall Analysis of Karnataka, India. *Int.J.Curr.Microbiol.App.Sci*(2018)7(3): 1498-1506 (NAAS: 5.38)

x) Bhattacharyya B. and Bhowmik D.(2012).Combined Effect of Weather Variables on Forecasting Crop Yield. ***Journal of AgroMeteorology***.*Vol.14: 222-227*.(NAAS:6.15)

Bajaj Bhattacharyya.
30.5.2025.

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Signature with Date