



**Name:** DR. PRASANTA DAS  
**Designation:** Assistant Professor  
**Department:** Department of Mathematics (UG & PG)  
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***AREAS OF INTEREST/SPECIALISATION:***

<b>Field of Specialization</b>	<b>Research Area/ Areas of Interest</b>
Dynamical Oceanology and Meteorology	Meteorology
	Atmospheric Science
	Orography
	Oceanology, Fluid Dynamics

***EDUCATIONAL QUALIFICATION:***

<b>Degree Name</b>	<b>Institution/Board</b>	<b>Year of passing/awarded</b>
M.P.	W.B.B.S.E.	2002
H.S.	W.B.C.H.E.	2004
B.Sc.	Vidyasagar University	2007
M.Sc.	Vidyasagar University	2009
Ph.D.	Vidyasagar University	2018

***COURSE/ SUBJECT TAUGHT:***

Linear Algebra  
Differential Geometry  
Continuum Mechanics  
Differential Equations  
Partial Differential Equations  
Analytical Geometry  
Calculus of Several Variables  
Vector Calculus  
Number Theory  
Fortran-77 Program  
C, C++ Program

## **ACADEMIC ACHIEVEMENTS:**

### **NET (CSIR)-2010**

#### **RESEARCH / TEACHING EXPERIENCE:**

<b>From</b>	<b>To</b>	<b>Name and Address of Company / Organization</b>	<b>Position held</b>
<b>2012</b>	<b>2018</b>	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University	<b>Research Scholar</b>
<b>2015</b>	<b>Till date</b>	Department of Mathematics (UG & PG), Ramananda College	<b>Assistant Professor</b>
<b>2017</b>	<b>2018</b>	Department of Mathematics, Bankura University, Bankura Block – II, Purandarpur, Bankura, West Bengal 722155.	<b>Guest Faculty</b>

#### **ADMINISTRATIVE EXPERIENCE:**

<b>Sl. No.</b>	<b>Name of the Committee/Sub-committee</b>	<b>Duration</b>	<b>Role</b>	<b>Held at and Organiser</b>
1	Department of Mathematics	From July 2017 to June 2019	Headship	Ramananda College, Bishnupur, Bankura.
2	e-Pension and Service Book sub-committee	From July 2017 to till date	Member	Ramananda College, Bishnupur, Bankura.
3	Building Sub-committee	From July 2015 to 2019	Member	Ramananda College, Bishnupur, Bankura.
4	‘Annasatra Prakalpa’ sub-committee	From January 2017 to 2019	Member	Ramananda College, Bishnupur, Bankura.
5	Concession sub-committee	From July 2017 to 2019	Convenor	Ramananda College, Bishnupur, Bankura.
6	Prospectus sub-committee	From July 2017 to 2019	Member	Ramananda College, Bishnupur, Bankura.
7	Assets Review Sub-committee	From May 2018 to 2019	Member	Ramananda College, Bishnupur, Bankura.
8	Concession sub-committee	From July 2020 to till date	Member	Ramananda College, Bishnupur, Bankura.
9	Purchase Sub-Committee	From July 2020 to till date	Member	Ramananda College, Bishnupur, Bankura.
10	Online Admission Sub-Committee	From July 2020 to till date	Member	Ramananda College, Bishnupur, Bankura.
11	NAAC Sub-Committee	From July 2020 to till date	Member	Ramananda College, Bishnupur, Bankura.

## **PUBLICATIONS:**

### **2018**

1. Das, Prasanta, Somenath Dutta, and Shyamal Kumar Mondal. "A dynamical model for diagnosing orographic rainfall across Assam–Burma hills in India." *Modeling Earth Systems and Environment* 4.4 (2018): 1423-1433(**Springer**).

### **2017**

2. Das, Prasanta, Somenath Dutta, and Shyamal Kumar Mondal. "A mathematical model for the 3-D dynamics of lee wave across a meso-scale mountain corner." *MAUSAM* 68.2 (2017): 195-204.

### **2016**

3. Das, Prasanta, Somenath Dutta, and Shyamal Kumar Mondal. "Orographic effects on a 3-D barotropic lee wave across a meso-scale mountain corner." *Modeling Earth Systems and Environment* 2.3 (2016): 128 (**Springer**).
4. Das, Prasanta, et al. "Momentum flux and energy flux associated with internal gravity waves excited by the Assam-Burma hills in India." *Modeling Earth Systems and Environment* 2.2 (2016): 62(**Springer**).
5. Das, Prasanta, Somenath Dutta, and Shyamal Kumar Mondal. "Orographic effect of the Assam-Burma hills in India on a barotropic air-stream." *International Research Journal of Natural and Applied Sciences* (2016): 46-65.

### **2015**

6. Das, Prasanta, Somenath Dutta, and Shyamal Kumar Mondal. "A quasi-numerical solution for 3-D meso-scale lee wave associated with meso-scale baroclinic dry mean flow across the Assam-Burma hills in India." *J Ind Geophys Union* 19.3 (2015): 290-300.

### **2013**

7. Das, Prasanta, Shyamal Kumar Mondal, and Somenath Dutta. "Asymptotic solution for 3D Lee waves across Assam-Burma hills." *Mausam* 64.3 (2013): 501-516.

## **COMMUNICATED RESEARCH PAPER:**

1. Das , Prasanta, Somenath Dutta “A mathematical model for fluxes associated with internal gravity waves excited by a corner mountain” *Mausam* .

**CONFERENCE /SEMINAR/WORKSHOP/SYMPOSIUM /WEBINAR ATTENDED:**

Sl. No.	Title of the Seminar/ Conference/ Workshop/Webinar	Year	Role	Held at and Organiser
1	One day Webinar on “Recent Trends on Covid-19 : Mathematical Modelings and their Social Impacts” (30 <sup>th</sup> June, 2020)	2020	Participant	The Dept. of Mathematics and IQAC, Sir Gurudas Mahavidyalaya, Kolkata-700067
2	International Online Faculty Enrichment Programme on "Tips & Tricks for Publishing in International Scientific Journals" (20 <sup>th</sup> June, 2020)		Participant	Zoology, Chemistry, Botany & Physics (Under DBT-Star College Strengthening Scheme, Govt. of India) Surendranath College, Kolkata-700009
3	Two –Day International Webinar On “Trajectory of COVID-19 Pandemic: Awareness, Treatment and Genomic Insight for Future Development”. (June 14-15, 2020)		Participant	Department of Microbiology, Bankura Sammilani College Bankura, West Bengal, India
4	Two-day National Webinar on Mathematical Perspective of COVID-19 Outbreak: Predictions, Precautions & Preventive Measures (June 11-12, 2020)		Participant	Department of Mathematics in association with IQAC, SKBU
5	Two-day international e-Conference on “Emerging Issues in Supply Chain Management: Interruption, Opportunities and Challenges”. (June 6-7, 2020)		Participant	Department of Mathematics, Kazi Nazrul University Asansol -713 340, India
6	Webinar on “Applications of Differential Equations” (4 <sup>th</sup> June, 2020)		Participant	Kongunadu Arts And Science College
7	Two days International Seminar on "Classical to Quantum Computing"		Paper Presenter	Dept. of Mathematics, Physics, Chemistry and Comp. Science, Egra Sarada Shashi Bhusan College
8	International level Seminar on ‘Celebration of the Sampriti Saptaha (11 <sup>th</sup> -18 <sup>th</sup> Sep, 2018) on the auspicious occasion of 125 <sup>th</sup> Anniversary of Chicago Speech delivered by Swami Vivekananda’ (13 <sup>th</sup> Sep 2018)	2018	Participant	Ramananda College, Bishnupur, Bankura.
9	National Seminar on ‘Recent Approaches of Mathematical Science in Advancement of Biotechnology’ (28 <sup>th</sup> March, 2018)		Paper Presenter	Department of Mathematics & Department of Botany, Ramananda College, Bushnupur, Bankura, W.B
10	National Seminar on ‘Advanced Level of Mathematical Science’ (Feb 9-10, 2017)	2017	Paper Presenter	Department of Mathematics, Raja N.L. Khan Womens’ College & Chandrakona Vidyasagar Mahavidyalaya
11	National Seminar on ‘Emerging Trends in Mathematics’ (Dec 19-20, 2012)	2012	Participant	Vidyasagar University, Midnapore, W.B., in collaboration with Calcutta Mathematical Society, W.B.

**CONFERENCE /SEMINAR/WORKSHOP/ SYMPOSIUM ORGANISED:**

<b>Sl. No.</b>	<b>Title of the Seminar/ Conference/ Workshop</b>	<b>Year</b>	<b>Role</b>	<b>Held at and Organiser</b>
1	National Seminar on ' <i>Recent Approaches of Mathematical Science in Advancement of Biotechnology</i> '	2018	Joint Secretary	Department of Mathematics & Department of Botany, Ramananda College, Bushnupur, Bankura, W.B

**ORIENTATION/ REFRESHER/ SHORT TERM COURSE ATTENDED/ ORGANIZED:**

<b>Sl. No.</b>	<b>Name of the Course</b>	<b>Duration</b>	<b>Role</b>	<b>Held at and Organiser</b>
1	Two Week Online Faculty Development Programme On Advanced Concepts For Developing Moocs	From July 2-17, 2020	Participant	Teaching Learning Centre, Ramanujan College, University of Delhi Sponsored by MHRD Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
2	7 day Online Faculty Development Programme on LibreOffice Impress	From June 15-21, 2020	Participant	IQAC, College of Commerce, Arts and Science, Patna
3	One Week Faculty Development Programme on "Open Source Tools for Research"	From June 08 - June 14, 2020	Participant	Teaching Learning Centre, Ramanujan College, University of Delhi Sponsored by MHRD Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
4	Refresher Course	From 7 <sup>th</sup> December 2018 to 27 <sup>th</sup> December 2018	Participant	UGC-Human Resource Development Centre University of North Bengal, Darjeeling.
5	Orientation Programme	From 1 <sup>st</sup> November 2017 to 28 <sup>th</sup> November 2017	Participant	UGC-Human Resource Development Centre, Ranchi University, Ranchi.

***REVIEWING/MEMBER OF JOURNAL/BOOK:***

<b>Sl. No.</b>	<b>Name of the Journal</b>	<b>Publisher</b>	<b>Duration</b>	<b>Role</b>
1	International Journal of Mathematics and Systems Science	EnPress Publisher	From 2018 to till now	Member of Editorial Team
2	Insight-Energy Science	PiscoMed Publishing	From 2018 to till now	Member of Editorial Team