

INNOVATIVE RECENT TRENDS IN RESEARCH

EDITOR-IN-CHIEF

DR. DILIPKUMAR A. ODE
ANANDBABU GOPATOTI

ASSOCIATE EDITORS

SUBHARUN PAL
DR.G. MALLESWARAMMA
DR SANDEEP KUMAR

CO-EDITORS

BHARAT KUMAR
DR. PAMARTHI SATYANARAYANA
BOTLA PRABHU BABU

International Edited Peer Reviewed Book on

INNOVATIVE RECENT TRENDS IN RESEARCH

Editor-in-Chief

DR. DILIPKUMAR A. ODE
ANANDBABU GOPATOTI

Associate Editors

SUBHARUN PAL
DR.G. MALLESWARAMMA
DR SANDEEP KUMAR

Co-Editors

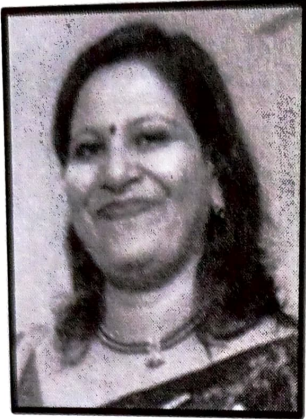
BHARAT KUMAR
DR. PAMARTHI SATYANARAYANA
BOTLA PRABHU BABU

red'shine
PUBLICATION
SWEDEN

CONTENTS

SR. NO.	CHAPTER TITLE & AUTHOR (S)	PAGE NO.
01.	EMERGENT TRENDS OF NITRATE AND NITRITE ION DETECTION IN DRINKING-WATER OF NADIA DISTRICT, WEST BENGAL, INDIA: A SEVEN-YEAR STUDY Dr. Ajanta Mukherji	01
02.	IMAGINATION, MATHEMATICS AND TOPOLOGY Dr. Anindita Datta	12
03.	UNVEILING THE IMPORTANCE OF ISOXAZOLE DERIVATIVES: SYNTHESIS, CHARACTERIZATION AND APPLICATIONS Dr. Tejas Pavagadhi	20
04.	A BASELINE ASSESSMENT ON RISING SALINITY AND LIVELIHOOD CHALLENGES IN DHAMAKHALI VILLAGE, SANDESHKHALI II BLOCK, NORTH 24 PARGANAS DISTRICT WEST BENGAL – A CASE STUDY OF INDIAN SUNDARBANS Dr. Rajashree Dasgupta	26
05.	RELIGIOUS ARCHITECTURAL REMAINS FROM MATHURA: A STUDY OF THE KUSHANA PERIOD Kumkum Bandyopadhyay	35
06.	ARTIFICIAL INTELLIGENCE IS A SOCIAL CONTEMPORARY THOUGHT Dr. P. Sanjeevi	41

A BASELINE ASSESSMENT ON RISING SALINITY AND LIVELIHOOD CHALLENGES IN DHAMAKHALI VILLAGE, SANDESHKHALI II BLOCK, NORTH 24 PARGANAS DISTRICT, WEST BENGAL - CASE STUDY OF INDIAN SUNDARBANS



DR. RAJASHREE DASGUPTA

Assistant Professor

Department of Geography

Government Girls' General Degree College,
Kolkata, (West Bengal), India

❖ ABSTRACT:

The present study intends to make an assessment of rising salinity problems and its impact on the livelihood pattern of people residing in Dhamakhali village of Sandeshkhali II Block of North 24 Parganas district in West Bengal state of India. Sandeshkhali II block of North 24 Parganas district is suffering from different physical and social challenges under climate change situation making the lives of the residents highly vulnerable physically, economically and socially. Because of such natural changes as—embankment failures, rise of high intensity events like cyclones, storm surges, inundation, increase of salinity level both in soil and water, the livelihood opportunities of the people are getting limited day by day lowering their coping capacity in the study area. The current research is a micro level study at the village level based on both quantitative and qualitative analysis of secondary and primary data collected during March 2019. The village has experienced a major rise of population pressure in the last two decades from 513 persons per sq. km. in 1991 to 1440 persons per sq. km. in 2011. The village is further subjected to major river erosion problems and is also undergoing a major change in the landuse pattern in the last 50 years owing to rise in soil salinity level. The lions' share of total area in the village is occupied by aquaculture farms in 2006 and 2019 at the expense of agricultural lands due to rise in soil salinity. Brick klin fields