# Rabindra Bharati University Journal of Economics

(A UGC CARE Peer-Reviewed Journal)

Special Issue : Golden Jubilee Year of the Department of Economics

> VOLUME – XVII December, 2023 ISSN 0975-802X



### DEPARTMENT OF ECONOMICS RABINDRA BHARATI UNIVERSITY

56A, B.T. Road, Kolkata - 700 050

#### Rabindra Bharati University Journal of Economics

(A UGC CARE Peer-Reviewed Journal)

Special Issue : Golden Jubilee Year of the Department of Economics

VOLUME – XVII December, 2023 ISSN 0975-802X



DEPARTMENT OF ECONOMICS RABINDRA BHARATI UNIVERSITY 56A, B. T. Road, Kolkata – 700 050

### Rabindra Bharati University Journal of Economics (A UGC CARE Peer-Reviewed Journal)

Volume – XVII December, 2023 ISSN 0975-802X

#### Members of Advisory Board

Prof. Anjan Mukherji, CESP, JNU.
Prof. Anup Sinha, IIM, Kolkata.

Prof. Sankar Kumar Bhaumik, Patliputra School of Economics, Patna.
Prof. Tarun Kabiraj, ISI, Kolkata.
Prof. Soumyen Sikdar, IIM, Kolkata.
Prof. Anjan Kumar Chakrabarti, CU.
Prof. Achin Chakraborty, IDSK.
Prof. Priya P Sangameswaran, CSSS, Kolkata.
Prof. Sukanta Bhattacharya, CU.
Prof. Runa Sarkar, IIM, Kolkata.

#### Editor

#### Prof. Prankrishna Pal, Department of Economics, Rabindra Bharati University

© Rabindra Bharati University 2023

#### Published by

Registrar, Rabindra Bharati University
For
Department of Economics

#### Printed by

Souparna Uddyog Belgharia, Kolkata - 700 056

Price : ₹ 430/-

#### Editorial Board

Professor Prankrishna Pal - Editor

Professor Swati Ghosh - Member

Dr.Debolina Saha - Member

Dr. Srobonti Chattopadhyay - Member

Dr.Sulekha Hembram - Member

Professor Siddhartha Mitra (Jadavpur University) - Member

Professor Rajarshi Majumder (University of Burdwan) - Member

## Faculty Members Department of Economics

Dr. Prankrishna Pal (Head) - Professor

Dr. Swati Ghosh - Professor

Dr. Bindi Shaw - Associate Professor

Dr. Debolina Saha - Associate professor

Smt. Sushma Subba - Assistant Professor

Dr. Srobonti Chattopadhyay - Assistant Professor

Dr. Sulekha Hembram - Assistant Professor

#### Rabindra Bharati University Journal of Economics (A UGC CARE Peer-Reviewed Journal) Volume – XVII

Rabindra Bharati University Journal of Economics is a UGC CARE listed peer-reviewed Journal published annually in the Department of Economics, Rabindra Bharati University. Initially, the research articles were published in the journal under the title 'Occasional Papers' and fourteen such volumes of this journal were published earlier. Presently the articles relating to research papers in Economics and allied subjects have been considered for publication in the journal.

The present volume contains 14 (fourteen) research articles of the eminent Scholars of different Universities/ Institutes. This volume is remarkable since the 2023 year is a Golden Jubilee year of the Department of Economics.

We are grateful to the contributors and all others who have helped in one way or other in the preparation of this volume. The Advisory Board and the Editorial Board will not be responsible for the views expressed by the authors in their articles.

All rights are reserved. Reproduction of any matter from this journal or storing in a retrieval system or transmitted in any form or by any means is not permitted without the approval of the publisher of this journal

At the end, I would like to extend my whole-hearted thanks to the Advisory Board and the Editorial Board and especially to 'Souparna Uddyog, Belgharia' for bringing out the present volume despite of many constraints.

December, 2023

Prankrishna Pal Editor

#### **Contents**

			Page No
1	Priya Brata Dutta & Deboleena Das	Impact of Social Liberalization on Gender based Wage Inequality and Unemployment: A Theoretical Analysis	09
2	N. Kubendran	Interest Rate Pass-Through and Exchange Rate Volatility in India: Some Policy Issues	33
3	Swati Sinha Babu	Existence of environmental Kuznets curve and issue of convergence related to deforestation – focus on developing countries	50
4	Sanjukta Niyogi & Soumyananda Dinda	Indian Power Sector Reform and Its Impact on Economy: An Empirical Study	70
5	Archila Kushwaha, Brajesh Kumar & Jatin Kumar Jaiswal	Unlocking Bihar's Financial Potential: Exploring the Efficiency of Financial Inclusion with Data Envelopment Analysis	90
6	Nilendu Chatterjee & Tonmoy Chatterjee	Environmental impact on Life Expectancy in Major Developed and Developing Nations – A Panel Data Analysis	
7	Asif Akhtar & Prankrishna Pal	India's Trade Relationship with SAARC Countries During 1991-2021: Openness and Intensity	133
8	Mrutyunjaya Sahoo, J Manohar Rao & Praveen Sahu	Comparative Analysis of Trade, Foreign Direct Investment, and Economic Growth in China and India	152
9	Satchidananda Sardar	Effectiveness of National Food Security Act-2013 on improvement of adult women's Body Mass Index in West Bengal	172
10	CA. Sandeep Shroff & Sneha Shukla	Impact of Demographic Factors on Behavioral Biases	192
11	Nilanjan Patra	Determinants of childhood full immunisation and its changing inequalities: Evidence from three decades of Universal Immunisation Programme in India	217
12	Raji Prasad G V	Prevalence and Patterns of Multi-Morbidity: A Cross Sectional Study in Ernakulam District, Kerala	234
13	Mamita Dash & Mitali Chinara	Rural-Urban Differences in Domestic Energy Utilisation: A Factorial Analysis of Khorda District of Odisha	249
14	Akshat Batra ,Ram Milan & Kanishka Singh	An Analytical Study on the Role of Microfinance Institutions in the Development of Uttar Pradesh	267

#### **Department of Economics**

The Department of Economics at Rabindra Bharati University was established in November 1972 and the Silver Jubilee and the Golden Jubilee of its activities were celebrated during 1977-98 and 2022-23 through a series of Foundation Lectures. Special Iectures, Seminars and Re-union of past and present students and teachers.

Economics courses both at the Postgradute and Honours levels have a well planned and balanced approach to the teaching of this dynamic social science discipline. In the Post Graduate level semester system has been introduced in 2010. From 2010 the semester system has been M.A. introduced and curriculum have been revised and updated in the light of present need of the day. Courses in each subject area are detailed in separate Modules with reference to specific reading materials. Specialization at the Postgraduate level includes (1) Econometrics and statistics (2) Rural Economics and (3) Economics of Money and Finance Each of the area of Specialization contain Project Work emphasizing on theoretical as well as empirical analysis. Field Survey, Building up of theoretical model, Statistical analysis of result obtained by running computerized statistical software in respective area of research and finally preparation of the project in the Post Graduate Level encourage the research aptitude of the students. From April 2007, the department has already started M.Phil course. As per the new regulation of UGC a six month Ph.D. course work has also been initiated from 2010 in this department successful completion of which give the opportunity to the students to be registered in the Ph.D. programme under this University. From class rooms four years UG Programme under the NEP and semester syllabus have been introduced.

Class-room teaching is regularly supplemented by Extension Lectures and Special Lectures by noted teachers and scholars from others Universities / Institutes.

The Department has published quite a few books and monographs over the years. The NAAC Peer Team in its report made special mention of the research activities in this Department.

The Department takes pride in the fact that increasingly large number of its students have been qualifying in the NET/SLET examinations each year.

The Department has organized its 1st Refesher Courser (UGC) in Economics on "Development Economics and India since 1991" during February, 2004.

In April 2006, the department organized a national seminar on "IPR Awareness" sponsored by the Ministry of Human Resource Department, Govt. of India.

In March 2009, the department organized a seminar on "Globalization: Conceptual and Empirical Issues."

In March, 2010, the department organized a seminar on "Empirical Issues on Indian Economy"/

In March, 2011 and 2012, the department organized annual seminar on "Contemporary Issues in Development Economics".

In March, 2013, the department organized Seminar on "Development Paradiagm of the East and North East State in India during the post-reform period: Problems and prospects".

In February, 2014, the department organized a workshop on "Contemporary issues on Macroconomics".

In February 2015, the department organized a workshop on "Advanced Issues on Microeconomics".

In March, 2015-2016, the department organized a seminar on "Contemporary Issues in Development Economics".

In February 2016, the department organized three-day workshop on "Frontiers in Applied Econometrics".

In March 2017, the department organized a "Research Scholars" Workshop.

In January, 2018 the department organized International workshop on 'Behavioural Economics'

In March, 2018 the department organized a seminar on "Contempory Issues in Development Economics In February 2019, the department organized a workshop on "Application of Techniques in the Area of Social Sector".

In November, 2022, the department organized International Seminar on "Fifty Years of the Indian Economics since 1972".

In March, 2023 the department organized Two-Day Workshop on "Research Methodology with Applications in Economics".

#### **Publication of the Department of Economics**

Rabindra Bharati University Journal Economics: Vol. 1 (2007), II (2008), III (2009), IV (2010), V (2011), VI (2012), VII (2013), VIII (2014), X (2015), X (2016), XI (2017), XII (2018), XIII-XIV (2019-20), XV (2021), XVI (2022)

Occational Papers: Volume I (1980), II (1981), III (1982), IV (1983-85), V (1997), VI (1998), VII (1999), VIII (2000), IX (2001), X (2002), XI (2003), XII (2004), XIII (2005), XIV (2006).

#### Monographs:

- i) (1998) Myth and Reality of Development in India-Pradhan H. Prasad
- ii) (1998) Status of Women in India in the Fiftieth Year of Independence-Bela Dutta Gupta
- iii) (2000) Marx after 150 Years of the Minifesto
- iv) (2000) Foreign Investment in India-Amalesh Chandra Banerjee
- v) (2000) একুশ শতকে রবীন্দ্রনাথের অর্থনৈতিক চিস্তা
- vi) (2001) Globalisation : On Failure of the Process of Planning and Rise of Human Distress Gurudas Dasgupta
- viii) (2001) Some selected Source of Official Socio-Economics Data on West Bengal
- ix) (2004) Uncertain Growth and Growing Uncertainties : Some Thoughts on Globalisation Aunp Sinha
- x) (2005) জানার-বিষয় একটা যাত্রা পথের বিবরণ ড. শুভেন্দু দাশগুপ্ত (স্মারক বক্তৃতা)
- xi) (2006) Problem of Transition from Planned Economy to Market Economy in India-Deb Kumar Bose.
- xii) Newsletter of the Department: Inside
- xiii) (2011) Liberalisation, Economic Development and some related issues-Prof. Hiron Kumar Banerjee
- xiv) (2011) 'সমাজবিকাশের প্রেক্ষিতে নারী' অধ্যাপিকা অপরাজিতা মখার্জী (স্মারক বক্তৃতা)
- xv) (2014) Contemporary issues on Macroeconomics
- xvi) (2023) 'Viewing Nature through an Economic Lens : Some Conceptual Issues' (Endowment Lecture) Priya Sangameswarn
- xvii) (2023) 'India's Path of Regaining Growth Momentum The Search for the Best' (Endoment Lecture) Ajitava Raychadhuri

#### Rabindra Bharati University Publication on Economics

- 1. (1990) The Changing Pattern of Consumption Expenditure in India: Raj Kumar Sen
- 2. (1991) Consumer Cooperatives in India: Durgadas Roy
- 3. (1999)অমর্তা ভাবনা, ১.২ (রবীন্দ্রভারতী গ্রন্থমালা ২.৩)
- 4. (2000) Amartya Sen's Economics I.II (ed) Rajkumar Sen
- 5. (2000) The Indian Economics Issues: Essays in honour of Professor Santikumar Ghosh (ed) Raj Kumar Sen
- 6. (2002) Indian Labour in the post-Liberalization period : (ed). Raj Kumar Sen (K.P. Bagchi & Co.)
- 7. (2008) Emerging Issues in Indian Economic Development and Reform, (ed) Raj Kumar Sen (Deep & Deep Publications Pvt. Ltd.)
- 8) (2013) Emerging Rural Transformation and Resource Utilisation in the post Globalisation Period
- 9) (2014) Rural Resource credit and livelihood the question of Inclusion