

Indira Gandhi Institute Of Development Research

(DEEMED TO BE UNIVERSITY)

An Advanced Research Institute Established By The Reserve Bank Of India.

ANNUAL REPORT 2021-22



Annual Report 2021-22

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Compiled by **Gopakumar Achuthankutty and Martha Lobo**



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PREFACE

The Indira Gandhi Institute of Development Research was established in 1987 by the Reserve Bank of India as an advanced research institute to conduct cutting-edge research in economics and development studies from a multi-disciplinary perspective. The Institute achieved the deemed university status in 1995 and has transitioned itself as a foremost centre of excellence for higher learning and research in economics and development studies.

The Institute perfectly blends theoretical and policy-oriented research in the fields of Microeconomics, Macroeconomics, Econometrics, Game Theory, Social Choice Theory, Law and Economics, Political Economy and Industrial Organization, Agricultural Economics, Health Economics, Climate Change, International Finance and Trade, Labour Economics, Indian Economy, Food Security, Poverty and Inequality, Banking and Finance, Energy Economics among a host of other fields. Our faculty publishes their research in high-quality and internationally well-reputed academic journals such as the Journal of Development Economics, Review of Income and Wealth, World Development, Health Economics, Economic Modelling, Journal of Institutional and Theoretical Economics, Social Choice and Welfare, Journal of Quantitative Economics, Computational Economics, Mathematical Social Sciences, Theory and Decision, International Review of Economics and Finance, The Journal of Economic Asymmetries, Economic and Political Weekly, Economics Bulletin among others. The faculty members also carry out funded research projects for various international/national organizations.

The M.Sc. programme in Economics at IGIDR is one of the country's most sought-after post-graduate programmes in Economics. Our students secured admissions to prestigious universities and reputed research institutes in India and abroad. Our students also secured senior analyst/management jobs at top-notch MNCs like CitiBank, American Express, and ANZ Bank, among others. In their first year, students attain training in core economics courses like Microeconomics, Macroeconomics, Mathematical economics, and Econometrics. In their second year, students choose from a gamut of optional courses in advanced theoretical and applied Economics optional courses categorized into five streams of specialization, namely Microeconomics theory and applications, Macroeconomics, Finance and Growth, Econometric Theory and Applications, Energy and Environment: Theory and Policy, and Development Theory and Policy.

IGIDR held its seventeenth convocation on May 13, 2022. The then Director of the Institute, Professor Mahendra Dev, gave a Welcome Speech, followed by the award of degrees by the Chief Guest and the RBI Governor (also the President of the Institute). Later, Professor Pami Dua (Director of the Delhi School of Economics) delivered a motivating and informative convocation address resonating with the values the Institute always aimed to inculcate in its students. The Institute awarded 8 Ph.D., 6 M.Phil., and 32 M.Sc. degrees on this occasion.



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The Institute hosted the Nineteenth Annual Conference on Macroeconomics and Finance from December 15 - 17, 2021. Given the Covid situation, the Institute hosted the conference virtually. Eminent Macroeconomics and Finance researchers like Frederic Mishkin, Ugo Panizza, and Arvind Subramanian were keynote speakers at the event.

As part of its nationwide capacity-building activity, the Institute organized an intensive training programme for the 42nd batch of ISS Probationary Officers from April 26 to May 14, 2021. The Institute also organized several internal training programmes to enhance the productivity and efficiency of the IGIDR staff. As part of its engagement in policy discussions/debates, the Institute virtually held a round table discussion on the Union Budget 2022-23 on February 11, 2022.

The Institute boasts a vibrant and dynamic academic community with its rich and well-connected library. Hence, I firmly believe that the Institute is well-placed to continue striving to achieve more outstanding academic excellence by expanding its research and teaching activities. With this fond hope and firm belief in mind, I proudly submit this Annual Report detailing the activities carried out at the Institute in the past academic year 2021-22 for your kind consideration.

S. Mahendra Dev
Director and Vice-Chancellor, IGIDR, Mumbai



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ORGANIZATION OF IGIDR

Background, Aims and Objectives

The Indira Gandhi Institute of Development Research (IGIDR) is an advanced research Institute established in 1987, in Mumbai, by the Reserve Bank of India, for the study of national and global issues relating to economic development. The Institute is recognized as a Deemed to be University under Section 3 of the UGC Act, 1956. The primary objectives of the Institute are to:

- Promote and conduct research on development from a broad inter-disciplinary perspective
- Serve as a centre to promote cooperative endeavour and interaction between research scholars and institutions in India and abroad
- Undertake any other project or activity, which the Institute may usefully carry out for the furtherance of development and social welfare

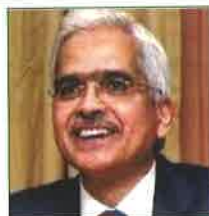


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BOARD OF MANAGEMENT

The composition of the Board of Management as on 31.3.2022 is as follows:

Shri. Shaktikanta Das
(Chairman)
Governor,
Reserve Bank of India



Prof. S. Mahendra Dev
(Member)
Director (Vice-Chancellor),
IGIDR,
Mumbai



Shri. Mahesh Kumar Jain
(Member)
Deputy Governor,
Reserve Bank of India



Dr. Michael D. Patra
(Member)
Deputy Governor,
Reserve Bank of India



Prof. Sandip Trivedi
(Member)
Tata Institute for
Fundamental Research



Prof. Ravindra H. Dholakia
(Member)
Ex-Professor, IIM,
Ahmedabad



Dr. Satya Narayan Mohanty
(Member)
Adjunct Professor,
GGs-Indraprastha University



Shri. Jose J. Kattoor
(Ex-officio Member)
Executive Director
in-charge of CSBD, RBI



Dr. Subrata Sarkar
(Member)
Dean of Faculties,
IGIDR, Mumbai



Dr. K.V. Ramaswamy
(Member)
Professor, IGIDR,
Mumbai



Dr. Shubhro Sarkar
(Member)
Associate Professor,
IGIDR, Mumbai



Dr. Jai Mohan Pandit
(Secretary)
Registrar, IGIDR,
Mumbai





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PAST MEMBERS OF THE BOARD OF MANAGEMENT

Mr. R. N. Malhotra (Chairman)

From inception to December 1990

Mr. S. Venkitaramanan (Chairman)

From December 1990 to December 1992

Dr. C. Rangarajan

Member from inception to March 1993

Chairman from March 1993 to November 1997

Dr. Bimal Jalan (Chairman)

From November 1997 to September 2003

Dr. Y.V. Reddy (Chairman)

From September 2003 to September 2008

Dr. D. Subbarao (Chairman)

From September 2008 to September 2013

Dr. Raghuram Rajan (Chairman)

From September 2013 to September 2016

Dr. Urjit Patel (Chairman)

From September 2016 to December 2018

Dr. Kirit Parikh

From inception to July 2000

Dr. R. Radhakrishna

From March 5, 2001 to October 31, 2007

Dr. D. M. Nachane

From November 01, 2007 to April 30, 2010

Dr. Sukhamoy Chakravarty

From inception to August 1990

Dr. D. T. Lakdawala

From inception to April 1992

Mr. V. M. Dandekar

From March 1993 to July 1995

Dr. P. K. Iyengar

From inception to December 1994

Dr. M. S. Gore

From inception to January 1996

Dr. J. K. Ghosh

From September 1991 to January 1996

Dr. Kirit S. Yagnik

From September 1991 to January 1996

Dr. M. Gadgil

From March 1993 to July 1994

Mr. S. S. Tarapore

From March 1993 to September 1996

Dr. Raghbendra Jha

From February 1998 to January 2000

Dr. K.V. Ramaswamy

From February 1998 to January 2000

Dr. Mrinal Dutta Chaudhary

From September 1991 to January 2002

Dr. I. G. Patel

From September 1992 to January 2002

Dr. Jyoti Parikh

From January 1996 to September 1998 and

From February 2000 to January 2002

Dr. Veena Mishra

From February 2000 to January 2002

Dr. M. H. Suryanarayana

From January 30, 1996 to January 29, 1998 and

From February 1, 2002 to January 31, 2004

Dr. Susan Thomas

From February 1, 2002 to January 31, 2004

Dr. Suhas P. Sukhatme

From August 13, 1996 to December 31, 2004

Dr. R. Nagaraj

From February 1, 2004 to January 31, 2006

Dr. L. K. Deshpande

From September 14, 1996 to August 31, 2006

Smt. Shyamala Gopinath

From December 1, 2004 to July 14, 2005



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Dr. Amaresh Bagchi

From August 13, 1996 to February 19, 2008

Dr. B. Sudhakara Reddy

From February 1, 2006 to January 31, 2008

Dr. Vijay Laxmi Pandey

From February 1, 2006 to January 31, 2008

Dr. Rakesh Mohan

From September 15, 2005 to June 9, 2009

Dr. B. B. Bhattacharya

From December 18, 2006 to December 17, 2009

Dr. P. V. Srinivasan

From February 1, 2008 to May 31, 2009

Dr. R. Krishnan

From February 1, 2008 to January 31, 2010

Dr. Ashima Goyal

From June 1, 2009 to May 31, 2011

Dr. G. K. Chadha

From December 18, 2009 to March 24, 2011

Dr. Subir Gokarn

From November 24, 2009 to December 31, 2012

Dr. S. Chandrasekhar

From January 1, 2010 to December 31, 2012

Dr. Vinod K. Sharma

From June 1, 2011 to May 31, 2013

Dr. Goverdhan Mehta

From January 7, 2005 to January 6, 2014

Dr. Jayati Sarkar

From February 1, 2012 to January 12, 2014

Dr. Mihir Rakshit

From March 31, 2008 to March 30, 2014

Dr. R. Nagaraj

From June 1, 2013 to May 31, 2015

Dr. Vijay Laxmi Pandey

From January 13, 2014 to January 12, 2016

Dr. K. L. Krishna

From February 1, 2002 to January 31, 2017

Dr. Vikas Chitre

From February 1, 2002 to January 31, 2017

Dr. Subrata Sarkar

From June 1, 2015 to May 31, 2017

Dr. Rajeswari Sengupta

From January 13, 2016 to January 12, 2018

Dr. Shovan Ray

From June 1, 2017 to December 31, 2017

Dr. T. C. A. Anant

From January 7, 2014 to January 14, 2019

Dr. Rajendra Vaidya

From January 1, 2018 to December 31, 2019

Dr. Viral V. Acharya

From January 30, 2017 to July 23, 2019

Dr. Pankaj Chandra

From February 1, 2017 to January 31, 2020

Dr. C. Veeramani

From January 13, 2018 to January 12, 2020

Dr. Rohini Somanathan

From February 1, 2017 to January 31, 2020

Dr. Bharat Ramaswami

From April 15, 2014 to April 14, 2020

Dr. Anuj Bhowmik

From October 22, 2018 to August 31, 2020

Shri Saurabh Bhargava

From February 21, 2017 to December 17, 2021

Dr. A. Ganesh Kumar

From November 08, 2018 to November 07, 2021

Dr. G. Mythili

From January 01, 2020 to December 31, 2021



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ACADEMIC COUNCIL MEMBERS

S. No.	Name	Designation
1	Prof. S. Mahendra Dev Director, IGIDR, Mumbai	Chairman
2	Dr. Gopakumar Achuthankutty Assistant Professor (Contract), IGIDR, Mumbai	Special Invitee
3	Prof. S. Chandrasekhar Professor, IGIDR, Mumbai	Member
4	Prof. Amol S. Dighe Dept. of Theoretical Physics, TIFR, Mumbai	Member
5	Dr. Taniya Ghosh Assistant Professor, IGIDR, Mumbai	Special Invitee
6	Dr. Sargam Gupta Assistant Professor (Contract), IGIDR, Mumbai	Special Invitee
7	Dr. Manisha Jain Assistant Professor, IGIDR, Mumbai	Special Invitee
8	Prof. A. Ganesh Kumar Professor, IGIDR, Mumbai	Member
9	Prof. Mala Lalvani Director & Professor, University of Mumbai, Kalina, Mumbai	Member
10	Prof. G. Mythili Professor, IGIDR, Mumbai	Member
11	Prof. Srijit Mishra Professor, IGIDR, Mumbai	Member
12	Dr. Bharti Nandwani Assistant Professor (Contract), IGIDR, Mumbai	Special Invitee
13	Dr. Digvijay Singh Negi Assistant Professor (Contract), IGIDR, Mumbai	Special Invitee
14	Prof. Rupayan Pal Professor, IGIDR, Mumbai	Member
15	Prof. Vijay Laxmi Pandey Professor, IGIDR, Mumbai	Member
16	Prof. Manoj Pant Director & Professor of Economics, IIFT, New Delhi	Member



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ACADEMIC COUNCIL MEMBERS

S. No.	Name	Designation
17	Prof. K. V. Ramaswamy Professor, IGIDR, Mumbai	Member
18	Prof. Jayati Sarkar Professor, IGIDR, Mumbai	Member
19	Prof. Subrata Sarkar Professor, IGIDR, Mumbai	Member
20	Dr. Shubhro Sarkar Associate Professor, IGIDR, Mumbai	Member
21	Prof. Vinod K. Sharma Professor, IGIDR, Mumbai	Member
22	Prof. Ram Singh Dept. of Economics, Delhi School of Economics, Delhi	Member
23	Dr. Rajeswari Sengupta Associate Professor, IGIDR, Mumbai	Member
24	Prof. Pushpa L. Trivedi Professor & Head, Humanities & Social Sciences, IIT, Mumbai	Member
25	Prof. Rajendra Vaidya Professor, IGIDR, Mumbai	Member
26	Prof. C. Veeramani Professor, IGIDR, Mumbai	Member
27	Prof. Sudhakar Yedla Professor, IGIDR, Mumbai	Member
28	Dr. Jai Mohan Pandit Registrar, IGIDR, Mumbai	Secretary



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PLANNING AND MONITORING BOARD

Prof. S. Mahendra Dev - Chairman
Director, IGIDR, Mumbai

Dr. Jai Mohan Pandit - Secretary
Registrar, IGIDR, Mumbai

Internal Members

Prof. A. Ganesh Kumar - Member
Professor, IGIDR, Mumbai

Prof. Rajendra Vaidya - Member
Professor, IGIDR, Mumbai

Prof. Subrata Sarkar - Member
Professor, IGIDR, Mumbai

Prof. Vinod Kumar Sharma - Member
Professor, IGIDR, Mumbai

Prof. G. Mythili - Member
Professor, IGIDR, Mumbai

Prof. Rupayan Pal - Member
Professor, IGIDR, Mumbai

Prof. Srijit Mishra - Member
Professor, IGIDR, Mumbai

External members

Prof. Manoj Panda - Member
Professor, Institute of Economic Growth

Prof. Shashanka Bhide - Member
Senior Research Counsellor and Senior Fellow
at NCAER, New Delhi



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INTERNAL QUALITY ASSURANCE CELL (IQAC) COMMITTEE 2021-2022

IQAC Member's Name	Designation
Chairperson: Prof. S. Mahendra Dev	Director
Coordinator: Prof. Jayati Sarkar	Professor
Faculty/Teachers:	
Prof. Rajendra Vaidya (till 30.09.2021) Prof. Srijit Mishra (w.e.f. 01.10.2021)	Dean Academic & Student Affairs
Prof. G. Mythili	Professor
Prof. K. V. Ramaswamy	Professor
Prof. C. Veeramani	Professor
Dr. Shubhro Sarkar	Associate Professor
Dr. Manisha Jain	Assistant Professor
Management Representative: Prof. A. Ganesh Kumar (till 07.11.2021) Prof. Subrata Sarkar (w.e.f. 08.11.2021)	Dean of Faculties
Nominee from Local Society: Dr. Romar Correa	Member
Nominee from Alumni: Dr. Tirthankar Patnaik	Member
Nominee from Students: Mr. Abhishek Dureja Mr. Prasun Bhattamishra (w.e.f. 03.08.2021)	Student Member
Nominee from Employers/Industrialists/Stakeholders: Mr. Indranil Pan	Member
Senior Administrative Officers:	
Dr. Jai Mohan Pandit	Registrar
Dr. S. M. Pujar	Chief Librarian



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IGIDR AT A GLANCE

Established in	1987
Affiliated with Mumbai University	1990
Granted Deemed University status by the Govt. of India	1995
Faculty strength (as on March 31, 2022)	24
Current number of students including part-time (as on March 31, 2022)	122
Ph.D. awarded to date	133
Ph.D. thesis under examination	3
Continuing thesis work (including part-time students) (as on March 31, 2022)	42
M.Phil. awarded to date	120
M.Phil. thesis under examination	8
No. of M.Sc. students pursuing course work	60
M.Sc. degrees awarded to date	364
No. of M.Phil./Ph.D. students pursuing course work	20
Ongoing projects	38
Reprints – journals and chapters in books (2021-2022)	50
Working papers (2021-2022)	22



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PERSONNEL

Director (Vice-Chancellor)

Mahendra Dev S.

Registrar

Pandit Jai Mohan

Professors

Babu P. G. (on EOL)
C. Veeramani
S. Chandrasekhar
Ganesh Kumar A.
Krishnan R. (retired 30.06.2021)
Mythili G.
Mishra Srijit
Pal Rupayan
Pandey Vijay Laxmi
Ramaswamy K.V.
Sarkar Jayati
Sarkar Subrata
Sharma Vinod K.
Suryanarayana M. H. (retired 30.06.2021)
Vaidya Rajendra
Yedla Sudhakar

Finance Officer

Bhambere Mukund (w.e.f. 17.05.2021)

Administrative Officer

Parab Samir

Chief Librarian

Pujar S. M.

Systems Analyst

Panda Lingaraj

Accounts Officer

Jha Ranjana

Estate Officer-cum-Engineer

Gaikwad Amit

Associate Professors

Narayanan Sudha (on EOL)
Sarkar Shubhro
Sengupta Rajeswari (w.e.f. 03.11.2021)

Assistant Librarian

Reddy Anjaneya

Assistant Electrical Engineer

Ahire Shyamkant

Assistant Professors

Ghosh Taniya
Jain Manisha (w.e.f. 11.08.2021)

Private Secretary-cum-Sr. Exec. Asst. to Director

Mahesh Mohan T. S. (retired 30.11.2021)

Assistant Professor (contract)

Achuthankutty Gopakumar
Gupta Sargam
Nandwani Bharti
Negi Digvijay S.

Private Secretary-cum-Exec. Asst. to Registrar

D'Souza Lavina

Junior Administrative Officer

D'Mello Fabina

Emeritus Professor

Goyal Ashima

Junior Accountant

Surka Ismail (retired 28.02.2022)

Visiting Professor

Nachane D. M.

Junior Accounts Officer

Narvekar Vishakha



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PERSONNEL

Sr. Administrative Assistant

Ananthi T. S.
Borkar Jayashree
Lobo Martha
D'Souza Nelson

Sr. Accounts Assistant

Gawde N.
Mahesh K. S.

Sr. Library Assistant

Halijswale Sangeeta (on EOL)
Hattangadi Vinita

Administrative Assistant

Joshi Tanmay
Sharma Archana

Secretary

Worlikar Pratiksha

Secretary-cum-Administrative Assistant

Charatkar Sayli

Communication Officer (on contract)

Singh Sneha (w.e.f. 01.06.2021)

Assistant Systems Analyst-cum-Software Engineer (on contract)

Alone Manish

Computer Assistant

Dalvi Pravin



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FACULTY & THEIR AREAS OF INTEREST

Mahendra Dev S. (Director), Ph.D. in Economics from the Delhi School of Economics post-doctoral research at the Economic Growth Centre, Yale University

Development Economics, Indian Economy, Macro Policies, Inclusive Growth, Agricultural Policies, Poverty and Inequality, Rural Development

Mishra Srijit, Dean Academic Affairs & Student Affairs (w.e.f. 01.10.2021), Professor, Ph.D. (Economics), Centre for Development Studies, Thiruvanthapuram.

Applied Development Economics (Agriculture/Rural Development, Human Development, Measurement of Development Indicators, Public Health and related issues); Public Policy, Game Theory.

Sarkar Subrata, Dean of Faculties (w.e.f. 08.11.2021), Professor, Ph.D. (Economics), University of Southern California, USA

Applied Econometrics, Corporate Governance, Risk Modelling, Productivity Measurement

A. Ganesh Kumar, Professor, Ph.D. (Economics), Indian Statistical Institute, Bangalore. Computable General Equilibrium (CGE Models), Issues in Agriculture and Economic Development

Food Security and Grain Management Policies; Price Policies; Agricultural Trade....; Food Safety Standards; Stability of Agricultural Production; Spatial Dimensions of Indian Economy; Inter-Sectoral Linkages, Economic Growth and Development; International Trade Competitiveness and Finance

Achuthankutty Gopakumar, Assistant Professor (Contract), Ph.D. in Quantitative Economics, Indian Statistical Institute, Kolkata, West Bengal, India

Game Theory, Mechanism Design and Microeconomic Theory

Babu P. G. (on leave), Professor, Ph.D. (Economics), Indian Institute of Science, Bangalore
Microeconomics, Law and Economics

Chandrasekhar S, Professor, Ph.D. (Economics), The Pennsylvania State University

Income Dynamics in Rural & Urban India; Structural Transformation; Urbanization; Mobility & Labour Market Outcomes; Education Skills & Employability; SDG

Ghosh Taniya, Assistant Professor, Ph.D. (Economics), University of Kansas

Macroeconomics

Gupta Sargam, Assistant Professor (Contract), Ph.D. (Quantitative Economics), Indian Statistical Institute, Delhi

Macroeconomics, Monetary Economics and Labour Economics



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FACULTY & THEIR AREAS OF INTEREST

Jain Manisha, Assistant Professor, Ph.D. (Climate Studies), IIT Bombay
Energy and Environment

Krishnan R, Professor, Ph.D. (Economics), University of Bombay.
Applied Time Series, Econometrics

Mythili G, Professor, Ph.D. (Economics) Department of Econometrics, University of Madras and post-doctoral research at University of California, Berkeley
Agriculture and Nutrition, Environmental Economics

Nandwani Bharti, Assistant Professor (Contract), Ph.D. in Economics, Shiv Nadar University
Political Economy, Development Economics, Economics of Education

Narayanan Sudha (On Leave), Associate Professor, Ph.D. (Agricultural Economics) Cornell University, USA
Agricultural Economics, Development Economics

Negi Digvijay S, Assistant Professor (Contract), Ph.D. (Quantitative Economics), Indian Statistical Institute
Agricultural Economics, International Trade, Risk and Insurance and Environmental Economics

Pal Rupayan, Professor, Ph.D. (Economics), Indira Gandhi Institute of Development Research, Mumbai
Applied Theory, Industrial Organization, Environmental Economics, Labour, Public Economics, Development

Pandey Vijay Laxmi, Professor, Ph.D. (Agricultural Economics), G. B. Pant University of Agriculture & Technology, Pant Nagar
Agricultural Economics, Sustainable Agriculture, Agriculture and Nutrition, Gender Issues

Ramaswamy K. V, Professor, Ph.D. (Economics), Delhi University
Development Economics, Labour Markets and Industrial Economics

Sarkar Jayati, Professor, Ph.D. (Economics), University of Southern California, USA
Gender, Corporate Governance and Development

Sarkar Shubhro, Associate Professor, Ph.D. (Economics), The Pennsylvania State University
Applied Game Theory, Industrial Organization, Political Economy, Auctions, Public Finance and Experimental Economics



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FACULTY & THEIR AREAS OF INTEREST

Sengupta Rajeswari, Associate Professor, Ph.D. (Economics) University of California, Santa Cruz, USA

International Finance, Open Economy Macroeconomics, Monetary Economics, Financial Markets and Institutions, Firm Financing, National Accounts Measurement

Sharma Vinod K, Professor, Ph.D. (Environmental Engineering), Indian Institute of Technology, Bombay

Technological, Socio-economic and Policy aspects of Sustainable Energy, Environment and Development Issues

Suryanarayana M. H, Professor, Ph.D. (Economics), Indian Statistical Institute, Kolkata
Banking and Finance, Development Economics, Food and Agriculture, Labour and Employment, Macroeconomics, Poverty, Inequality and Human Development, Public Economics

Vaidya Rajendra, Professor, Ph.D. (Economics), University of Pune
Corporate Finance, Macroeconomics and Empirical Industrial Organization

Veeramani C, Professor, Ph.D. (Economics), Jawaharlal Nehru University (C.D.S. Trivandrum)
International Trade, Industrial Development

Yedla Sudhakar, Professor, Ph.D. (Environmental Engineering and Management), Indian Institute of Technology, Kharagpur
Environmental Engineering, Climate Change and Sustainable Development, Issues in Environmental Management, Sustainable Mobility; Waste Management; Environmental Decision Making; Eco-Industrial Parks; Environmental Valuation; and Environmental Impacts of International Trades and Development Initiatives, Evaluation of Development Initiatives/Programmes under GEF and GCF protocols



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TEACHING

COURSES OFFERED DURING THE ACADEMIC SESSION 2021-22

AUGUST - DECEMBER 2021

Core Courses

Mathematics for Economists	- G. Mythili
Microeconomics I	- Shubhro Sarkar
Macroeconomics I	- Sargam Gupta
Energy & Environment – I	- Sudhakar Yedla
Econometrics – I	- Bharti Nandwani

JANUARY - JUNE 2022

Core Courses

Microeconomics II	- Gopakumar A.
Macroeconomics I	- Taniya Ghosh
Development Economics	- K.V. Ramaswamy
Econometrics – II	- Subrata Sarkar

AUGUST - DECEMBER 2021

Elective Courses

Special Topics in Microeconomic Theory	- Gopakumar A.
Energy and Environment –I	- Sudhakar Yedla
Issues in Finance and Growth	- Rajendra Vaidya
SPEE-II (Socio-economic band Policy	
Issues in Energy & Environment - II)	- V. K. Sharma
Indian Economy	- S. Chandrasekhar
Time Series Analysis I	- R. Krishnan
Markets, Incentives and Agriculture in India	- Vijay Laxmi Pandey
Climate Change, Science, Economics and Policy	- Manisha Jain

JANUARY - JUNE 2022

Optional Courses

Applied International Trade	- C. Veeramani
Spectral Analysis and Wavelets	- Dilip Nachane
Topics in Applied Econometrics	- Digvijay S Negi
Political Economy of Institutions and Development	- Bharti Nandwani
SPEE-I (Socio-economic & Policy issues in Energy	- V. K. Sharma
& Environment)	
Energy and Environment –II	- Sudhakar Yedla
Oligopoly Theory	- Rupayan Pal
Contemporary Issues in Human Development	- Srijit Mishra
and Policy	
Time Series Analysis-II	- R. Krishnan
Empirical Research of Energy and Environment	- Manisha Jain
Fiscal Policy and Macroeconomics Stabilization	- Rajendra Vaidya
Growth & Fluctuations: An Empirical Perspective	- Rajeswari Sengupta
Master's Thesis	



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RESEARCH THEMES

This section offers a thematic overview of faculty research during 2021-22 through summaries of select work. A detailed list of publications is available in the section titled Faculty Research Publications.

BANKING AND FINANCE

Rajeswari Sengupta with Lei Lei Son and Harsh Vardhan in a paper observes that, in late 2018, the default by a major non-banking financial company (NBFC) in India led to a credit crunch in the Indian economy. The crisis raises questions about the business model of the NBFCs, and the role they play alongside banks in the economy. In this paper we analyse the evolution of the NBFC sector in India over time and its importance in extending credit and discusses the factors that may have contributed to the 2018 crisis. We attempt to understand the advantages and disadvantages of the business model of NBFCs, and the drivers of their rapid rise and subsequent challenges in recent years. We also briefly discuss the potential impact of the Covid-19 pandemic on the NBFC sector. Drawing lessons from the past, NBFCs need to be strengthened to play an important role in India's financial landscape.

Rajeswari Sengupta with Aakriti Mathur and Bhanu Pratap in a paper observes that negative equity market reactions at the onset of the Covid-19 crisis raised concerns about the vulnerabilities in non-financial firms, requiring swift actions by central banks to prevent system-wide stresses. We investigate the Indian context, where the announcement of a surprise, nationwide lockdown in March 2020, was followed by the announcement of an unanticipated policy package by the central bank a few days later. Using natural language processing on quarterly earnings call reports, we construct a firm-specific measure of concern about the pandemic for a set of Indian non-financial firms. We find that firms that were exposed to the pandemic in early 2020 had worse stock market performance when the lockdown was announced. These results are explained by the implications of pandemic-related uncertainty for the future cash flows of these firms. The central bank's policy package seemed to have reversed the impact of the lockdown announcement in the short-term.

HEALTH ECONOMICS

Rupayan Pal with Upasak Das and Udayan Rathore in a paper using survey data from 1251 respondents from peri-urban parts in the Bhopal district of India, we estimated the willingness-to-pay (WTP) for hypothetical Covid-19 vaccines. We use open-ended questions along with the discrete choice contingent valuation method for two vaccines, one with full efficacy and the other with 70% efficacy. While no major evidence of vaccine hesitancy was observed, we found a WTP of about Rs. 141 (\$1.9) for the former type vaccine and about Rs. 116 (\$1.6) for the latter. From



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the contingent valuation method, we found about 71.9% were not willing to spend Rs. 200 (\$2.7) or more for the fully effective vaccine, while this figure goes up to 77.8% for the one with 70% efficacy. Estimations from linear and probit regressions suggest that economic indicators were the most important predictors of WTP. Usage of public transport, the number of days that the respondent stepped out for work, and the presence of comorbid individuals in the household were positively associated with the WTP, while pandemic-induced income reduction was negatively correlated. The findings lend support toward the requirement of highly subsidized vaccines, and hence back the recent policy announcement toward the supply of free vaccines to all states.

Rupayan Pal with Upasak Das and Udayan Rathore in a paper draws on a recent survey conducted in peri-urban Bhopal to provide an estimate of the willingness to pay for the vaccines. The findings indicate the need for higher subsidization through expansion of the budgetary provisioning and integrating this with willingness to pay.

Jayati Sarkar and Dhritishree Sarkar in a chapter in the India Development Report evaluate the prevalence of child morbidity for under-five (U5) children in India using data from the National Family Health Survey (NFHS) for 2005-06 (NFHS-3) and for 2015-16 (NFHS-4). The importance of examining the prevalence of morbidity in a population is underscored by the fact that there are several pathways through which morbidity may impact economic growth. The specific focus on child morbidity is necessitated on account of the fact that poor health during childhood can adversely affect the child's long run outcome as an adult in terms of lost productivity and output, and that the U5 children in India bears a disproportionate burden of communicable, maternal, neo-natal and nutritional diseases (CMNND) diseases. The chapter also examines the role of resource factors that can mitigate the risk associated with contracting various diseases for children of this age group. These include unsafe water, sanitation and hand washing, indoor air pollution, and not being vaccinated. The analysis of childhood morbidity is conducted at the all India level, at the state level, and at the district level. The all India analysis reveals broad variations in U5 morbidities by gender, urban and rural, social groups, and by wealth characteristics of the respondents. The state level analysis reveals that the weighted morbidity index varies considerably across states and this ranking, with the exception of the North-Eastern states, and is lower for urban areas. District level analysis examining intra-state disparities in morbidities highlights the de-merits of generating morbidity clusters by pooling all types of diseases. The analysis of risk factors reveals that the common factor that is associated with lower morbidity is the access to public health resources, namely, safe water, sanitation, and cleaner quality of indoor air, and the availability of micronutrients. The extent to which these factors can discriminate across clusters and cohorts depends on the type of morbidity, and geographical area. Overall, the analysis of U5 morbidity and risk factors suggests that focused public policy that directs its efforts to micro regions like districts, and within districts, to rural and urban areas, and



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targeted social groups and possibly gender, will be effective and instrumental in alleviating U5 morbidities. The importance of social, economic and demographic factors in differentiating between morbidity clusters and cohorts, along with the importance of public health resources suggest that while increasing greater access to the latter under various public policies are necessary, these need to be complemented by social and economic policies, the effect of which are much slower to take hold than direct health interventions, but will have lasting positive interaction effects.

CORPORATE GOVERNANCE

Jayati Sarkar with Sudipto Dasgupta, Subrata Sarkar & Jiali Yan in a paper observes that there are confusing signals about how corporate sectors around the world have fared in the pandemic. While the pandemic has created opportunities for some firms or sectors, most others have struggled. However, the overall stock market has surged. In some of the more commonly followed stock indices, only the larger firms are represented. Thus, it is possible that the gains are limited to the larger firms. We take a close look at the U.S. and Indian corporate sectors and conclude that while in both markets, some of the very largest firms have recorded substantial gains, the smallest (lowest quartile based on market capitalization) listed firms have also recorded significant gains through the 2020 calendar year. We find that sales growth performance of listed firms in both markets tells a very different story. Firms in the largest size-quartile have performed the best both in 2019 and 2020 in both markets, and those in the smallest size-quartile have performed the worst. We conjecture that the impact on sales and income performance of the small and medium enterprises (SMEs) is likely to be at least as severe as that of the smallest size-quartile of listed firms. We consider several challenges that confront the corporate sector in India, and argue that the role that the large firms play would be a key determinant of the outcome.

ECONOMETRICS

Digvijay Singh Negi in a paper studies identification and estimation of the average treatment effect on the treated (ATT) in difference-in-difference (DID) designs when the variable that classifies individuals into treatment and control groups (treatment status, D) is endogenously misclassified. We show that misclassification in D hampers consistent estimation of ATT because 1) it restricts us from identifying the truly treated from those misclassified as being treated and 2) differential misclassification in counterfactual trends may result in parallel trends being violated with D even when they hold with the true but unobserved D^* . We propose a solution to correct for endogenous one-sided misclassification in the context of a parametric DID regression which allows for considerable heterogeneity in treatment effects and establish its asymptotic properties in panel and repeated cross section settings. Furthermore, we illustrate the method by using it to



estimate the insurance impact of a large-scale in-kind food transfer program in India which is known to suffer from large targeting errors.

DEVELOPMENT ECONOMICS

Digvijay Singh Negi in a paper observes that in a world with costly transfers, some agents with high transaction costs may not find it feasible to trade. Hence, their consumption will co-vary with their endowment, leading to imperfect risk sharing. In this paper, we augment the canonical risk-sharing model to incorporate frictions in the form of transaction costs. In this augmented model, given a particular network structure, risk sharing will happen within networks and not the whole universe of agents. We show that transaction costs and the implied network structure of trade have important implications for the tests of risk sharing. Using this model, we derive a structural risk-sharing test that uses consumption and production data alongside the trade network structure. We implement our method using data from the global trade of three major staple food commodities. Comparing our estimates with the benchmark of frictionless trade, we find some evidence of transaction costs impeding risk-sharing in these commodities.

K. V. Ramaswamy in a paper presents a short analytical review of the problem of inclusive growth and its challenges to public policy in India. The problem of inclusive growth is discussed in the context of increasing spatial inequalities in India. In recent years developing countries who have experienced high rates of economic growth have encountered the problem of regional or within country economic inequalities like China and India. Many states within India have not been able to catch up with advancing states leading to stark regional inequalities in levels of development. In other words, populations of regions within India have been excluded from enjoying the fruits of economic growth. More strikingly areas within states like, districts within states of India have not been touched by the winds of modern economic growth. The development scholars have raised the question if economic growth in India has resulted in wide gaps in average incomes between states? Income differences between citizens in a country consisting of different spatial units, like states, could be decomposed into two parts. First is the within inequality that is income differences within the state and the second is the between component that is due to average income differences between states. If all the citizens within a given state could be assumed to have same mean income of that state then, one could ask, how much of observed inequality could be attributed to differences in mean income between states. The available data suggested economic growth has not been inclusive. The paper has discussed the conceptual difficulties involved in the idea of inclusive growth. It goes on to discuss the key determinants of growth and drivers of cross-country differences in per capita income according to the mainstream development economics. It is argued that the two factors emphasized in the mainstream literature namely, capital accumulation and institutions have not been helpful in understanding the failure of



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growth to be inclusive in India. It calls for more research to understand the deep determinants of inclusive growth.

K. V. Ramaswamy in a paper presents an analysis of changes in regional concentration of manufacturing industries and the factors driving the change in recent years. Two key questions have been addressed. First, why the regional distribution of Indian industry continues to be dominated by Maharashtra, Gujarat and Tamil Nadu? Second, what are the sources of this uneven spread of industries? Past industrial policies (history) and contemporary factors are found to reinforce the regional concentration of industries. It makes a contribution to the literature by providing evidence on three important stylized facts, namely, (1) the net entry of new factories by state (2) the spatial distribution of large factories and (3) the observed tendency of co-location of relatively larger plants in industrially advanced states in the post-reform period. A relevant question in this context is whether relatively large factories have entered the more industrialized states in the post-reform period. It has examined the pattern of new entry by employment size of factories across states since the 1990s. Two pieces of evidence are presented to help us answer this question. First, we find that the net entry of factories in the employment size classes 100-499 and 500-1999 is relatively high in the top three states with some exceptions between 2009-10 and 2015-16 (Table 4.4). More than 47 per cent of net entry in the employment size class 100 to 499 has taken place in the top three states of Maharashtra, Tamil Nadu and Gujarat in the same period. They are also found to have more than 57 per cent of net entry in the employment size group 500 to 1999. Second, the paper has estimated the distribution of large factories defined as those with more than 100 factories by their year of entry measured by the reported year of initial production. Two sub-periods have been distinguished namely 1995-2004 and 2005-2015 to measure the cohort of entering plants. Of the total number of 11714 large factories that started manufacturing in the years between 1995 and 2015 a large proportion of them (44 per cent) were located in the top three states of Maharashtra, Tamil Nadu and Gujarat. This finding of net entry by year of entry further substantiates the locational attractiveness of states with substantial share of manufacturing output (top three states) and the tendency of co-location of large plants. It finds that the top three industrialized states of Maharashtra, Gujarat and Tamil Nadu have attracted larger share of the new factories. The key driver of regional concentration is argued to be the agglomeration economies sought by firms to offset other cost disadvantages.

Bharti Nandwani argues in a paper that it has been well established in prior literature that rainfall shocks in agrarian economies result in negative household income shocks. These result in changes in demand for school education. This paper studies the effect of such exogenous demand shocks on supply of schools in a market with both private and public schools. Using an all India school level panel constructed from an administrative dataset, we show that negative rainfall shocks



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increase the likelihood of private school closure but have no impact on public school closure. Entry of local government schools increases in response to shocks showing that these schools provide a buffer. We develop a simple model of a schooling market to interpret our results. To the best of our knowledge, this is the first study to document the impact of economic shocks on the education market. While not covering pandemic years our results shed light on possible changes in the schooling market due to the pandemic.

Bharti Nandwani using a language policy and a consequent policy reversal as a source of exogenous variation, we measure the impact of removal of English language from primary level, on private investments in education in the Indian state of West Bengal. Due to the potential labour market returns from English skill premium, the affected cohort has a four-percentage point higher likelihood of being enrolled in private school, increasing to seven-percentage point for the richest. The economically better-off households among government school students tend to spend more on private tuitions. While the intention of English removal was to encourage higher participation of the disadvantaged, an unintended consequence of policy has been further deepening of the divide. The rich buy English education by higher (private) investment, while, the poor lose out the skill-premium. The labour market may get a signal about the differential skills and choose accordingly, exacerbating the existing socio-economic gap.

ENERGY AND ENVIRONMENT

A. Ganesh Kumar and N. Harak in a paper observe that natural gas as a source of clean fuel is important in many economies. With the increase of trade in gas led by LNG trade, market integration as occurred in other sectors is being promoted in various regions of the world. However, in India, the objective to address distributional concerns and domestic economic growth superseded the reform agenda with India adopting the market intervention approach of controlling energy prices. The policies were greatly focused towards the allocation of natural gas to priority sectors like fertiliser, city gas distribution, power, etc. at affordable prices as the output prices of these sectors are subsidised. The interlocking of subsidies of the demanding sector and ad-hoc pricing procedure adopted for gas pricing has resulted in a distorted market. As a result, natural gas share in primary energy consumption in India is about 8 percent as compared to World average of 24 percent (2013). This paper examines the impacts of price reforms in the natural gas sector. In particular, the paper attempts to quantify the impacts of sequencing the pricing reforms under three plausible scenarios (a) introduce upstream price reform without introducing reforms in the consuming sectors i.e. fertiliser, power sector and city gas distribution (b) introduce price reform along with partial reforms in downstream reform by removing the prioritised gas allocation policy and allowing consuming sectors to pass the increase in energy price to the end-users and introduction of full reform i.e. price and quantity. Further, to stimulate the decision-



making process for resolving the issues, the paper proposes policy recommendations.

Rupayan Pal with Prasenjit Banerjee, Pratik Thakkar, and A. M. Tanvir Hussain, in a paper, develop a theoretical model to examine the implication of a monopolist's environmental consciousness, which induces it to adopt cleaner technology or to internalize negative environmental externalities of production or both, for the environment. Results show that greater environmental concern of the monopolist may damage the environment more, despite leading to lower emission intensity. This is true regardless of whether consumers value green production or not. This paper also draws implications of technology standard and emission tax as instruments for environmental regulation. This paper provides a theoretical underpinning of the rebound effect in production by showing that the voluntary pro-environmental compliance behaviour may not always mitigate the rebound effect. This suggests that a regulator should be cautious while designing regulatory mechanisms.

FOOD AND AGRICULTURE

S. Mahendra Dev and Vijay Laxmi Pandey (2021) in a paper observes that there is a co-existence of undernutrition, over-nutrition, and micronutrient deficiencies in India. Structural shift in the dietary pattern and nutrition transition observed. Cereal's contribution to calorie and protein intake is high. Increased share of non-cereal items in calories and protein intake reflected. Consumption of unhealthy foods increased. Widespread adoption of healthy diets may lead to some adverse environmental impacts. Multi-pronged strategies with increased coverage, better targeting, change in the design, higher allocation of funds, and coordination between different policies and programmes to achieve SDG-2 targets are required. Pathways for nutritional security consist of improving dietary diversity, kitchen gardens, reducing post harvest losses, bio-fortification of staples with its inclusion in safety net programmes, women's empowerment, enforcement of standards and regulations, improving WASH, nutrition education, and effective use of digital technology. Food and nutrition security initiatives will require tuning it with changing demographics, livelihood patterns, environmental sustainability, health-specific needs, and overall development activities.

Vijay Laxmi Pandey with K. M. Singh, Nasim Ahmad and D. K. Sinha assesses the comparative performance of vegetables and fruits during pre (1991-92 to 2005-06) and post (2006-07 to 2018-19) National Horticultural Mission (NHM) based on secondary data was assessed. The study revealed that the growth rates of area and production of vegetables increased during the post-NHM period, but the productivity marginally declined during the post-NHM. The growth rate of area under fruits during pre-NHM was comparatively more than the post-NHM period. However, the growth rate of production and productivity of fruits was recorded comparatively more during



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the post-NHM period. It was further revealed that the area, production and productivity of both the crop groups were more stable during the post-NHM period. Further, analysis of all the macro indicators showed significantly rising trends revealing a positive impact of NHM.

S. Chandrasekhar and Vijay Laxmi Pandey with Soham Sahoo in a paper modelled the cropping decisions of Indian agricultural households using a nationally representative survey conducted in 2013 covering over 35,000 households with plot-level panel data on the types of crop cultivated in the two seasons (Kharif or Rabi) of a cropping year. We controlled for household-level unobserved characteristics using a fixed-effects procedure and estimated a multinomial model to determine the factors affecting choice of crop-type. We provide evidence on the ‘stickiness’ in the choice of cereals in the Indo-Gangetic Plain and other regions of India. The probability of a farmer switching towards non-cereal crops within the crop year was low, highlighting the challenges in crop diversification. We found that irrigated plots were less likely to be left fallow and more likely to be used for growing cereals. The probability of cultivating cereals was higher for larger plots. While our results suggest that policies promoting irrigation and the expansion of land ownership might not improve crop diversification, we also find that these measures may reduce the amount of land left fallow and hence impact food security in India.

In a paper, Digvijay Singh Negi examines how the co-existence of informal and formal value chains, and their relative importance can complicate the relationship between household production and consumption differently for different households. Our analysis of a rich household panel data set from 30 villages in eight states in rural India, focusing on dairy, leads us to four key conclusions. First, milk consumption is correlated with production and while markets play a role in consumption smoothing, they are not a complete substitute for household production. Second, a large presence of formal milk buyers in a village is associated with lower milk consumption of dairy cow-owning households, overturning the positive association of participation in formal value chains with household milk consumption. Third, contrary to expectations, for households that do not own dairy animals and net buyers, the presence of formal value chains remains uncorrelated with milk consumption. Fourth, we infer, test for and find suggestive evidence of segmented milk markets, i.e., different types of households (those not owning dairy animals, small landowners and net buyers vis-à-vis dairy animal-owning households, large landowners and net sellers) participate in different milk markets that do not interact with each other.

Given the global commitment to zero hunger and in the backdrop of Asian enigma, the paper, “Food Security among Kandhas of Kandhamal, Odisha, India: A Mixed Method Study,” (*Journal of Asian and African Studies*, 2022, <https://doi.org/10.1177/00219096221086525>) by Rashmi Rekha Samal and Srijit Mishra, looks into nutritional deprivation among Kandhas, a tribal community from Odisha, India. Based on fieldwork during a harvest period, the pervasive



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household-specific and nutrient-specific deprivation (an extension of Foster-Greer-Thorbecke class of measure where the deprivation line is not fixed) is intriguing. An inverse relationship between the number of nutrient deficiencies and the number of food groups consumed is observed. Food intake among pregnant and lactating mothers at homes is lower than that at Maa Gruha, a care facility. The fieldwork coincides with the initial days of a millets intervention and could serve as a baseline for future comparison.

Odisha started a programme to revive millets in 2017. Keeping this in the background, the paper "Growth and Decomposition of Millets in Odisha: 1960-61 to 2019-20," (*Agricultural Science Digest*, 2022, <https://doi.org/10.18805/ag.D-5447>) by Diptimayee Jena and Srijit Mishra examines growth of production, area and yield and decomposition of production of millets in Odisha in the last six decades by using triennium ending data, TE1962-63 to TE2019-20. Boyce's kinked exponential method has been used to estimate growth for production, area and yield. Production was decomposed to area, yield and interaction effects. Millets as a crop group is compared with other foodgrain groups and then analysis was carried out for four specific millet crops - ragi, jowar, bajra and small millets. It is observed that, in Odisha, the 1960s and 1970s indicate an increasing trend in production of and area under millets. There is a reversal of these trends since 1980s. The decline started first for small millets in the 1980s and subsequently since the 1990s for the three major millets - bajra, jowar and ragi. Decomposition of millets production indicates that the decline since 1980s is largely on account of area effect, but also because of yield effect in the 1990s and 2010s.

In the paper "Growth and Decomposition of Nutri-cereals in India (1960-61 to 2019-20)," (*Economic and Political Weekly*, forthcoming) Diptimayee Jena and Srijit Mishra show that the decline in production growth for nutri-cereals (millets) was observed since the 1990s, and the decline for the same in terms of area growth was observed since the 1970s. With the United Nations adopting 2023 as the International Year of Millets, more needs to be done for these hitherto neglected, nutritionally beneficial, and climate-resilient crops.

Marginal and small farm sizes constitute more than 85% of the operational holdings in India. Several concerns regarding the sustainability, efficiency, access to formal sources of credit and the scale neutrality of such credit plague the smallholders. In this backdrop in "Scale Neutrality in Indian Agriculture" (*Economic and Political Weekly*, 2021) Srijit Mishra and Kaushiki Singh find that the smallholders are efficient but the returns to them are woefully low, which threatens their sustainability. Further, the smallholders end up relying more on non-institutional sources for their credit requirement and often with a greater interest burden. In addition, the credit provided by formal sources is not scale-neutral. This posits a difficulty for policy praxis, which must urgently address these issues plaguing the smallholders.



GAME THEORY AND EXPERIMENTAL ECONOMICS

Shubro Sarkar with Aanchal Panwar and K. S. Mallikarjuna Rao contribute to the literature on optimal market design by analyzing the number and identity of suppliers who will be allocated production rights by a regulator who considers the revenue raised from the procedure and the ensuing producer and consumer surplus. We construct a model in which the regulator chooses the optimal number of entry licenses, m , in the first stage. These licenses are sold in the second stage using either a discriminatory or uniform price auction, followed by Cournot competition in the third. We assume that the firms' marginal costs are i.i.d. draws from a uniform distribution over $[0, c]$ and show that the social welfare generated is an improper rational algebraic fraction of polynomials of degrees 5 and 2. We recommend licenses be awarded to all the entrants when c is higher than a cut-off as it engenders aggressive bidding. For smaller values of c , the regulator engenders a monopoly or duopoly whenever the difference between the weights assigned to revenue and producer or consumer surplus (λ) is significant. For $m=1$, the auction formats are revenue, producer and consumer surplus equivalent. The discriminatory auction dominates in revenue and producer surplus whenever $m \geq 2$, while the uniform price auction fetches higher consumer surplus. The regulator prefers the discriminatory auction when $2 \leq m \leq 2\lambda+4$ and the uniform price auction otherwise.

INTERNATIONAL FINANCE

Rajeswari Sengupta with Nidhi Aggarwal and Sanchit Arora in a paper observes that existing evidence shows that over the years, India's capital account has become relatively more open, while the same cannot be said for China. However, with its rising share in the world economy, China has increasingly been pursuing its goal of RMB internationalisation, which concurrently relies on an open capital account. In this paper, we revisit the question and examine the openness of capital accounts of both India and China, the two largest emerging economies. Using more than 15 years of daily return differentials in the non-deliverable currency forward (NDF) market vis-à-vis the onshore spot market, we find that the somewhat haphazard process of capital account opening undertaken by the Indian authorities is reflected in large variations in covered interest parity (CIP) deviations across the period. In recent years, the deviations have become smaller and the no-arbitrage bands have become narrower, implying greater financial integration and lower effectiveness of existing capital controls. Applying our methodology to China, we find that though China has liberalised its capital account overtime, its capital controls still bind. Our analysis shows that India's capital account continues to remain substantially more open than that of China's.



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In a paper, Rajeswari Sengupta and Ila Patnaik analyse India's exchange rate regime through the prism of exchange market pressure. We estimate the various regimes that India's exchange rate has been through during the period from 2000 to 2020. We find four specific regimes of the Indian rupee differentiated by the degree of flexibility. We document the manner in which EMP in India has either been resisted through foreign exchange market intervention, or relieved through exchange rate change, across these four exchange rate regimes. We find that in only one of the four regimes the rupee-dollar exchange rate was relatively more flexible and the share of exchange rate in EMP absorption was the highest. This regime corresponded with the aftermath of the 2008 global crisis. In contrast, after 2013 the exchange rate was actively managed using spot as well as forward market intervention. We also find that the RBI has been intervening in the foreign exchange market in an asymmetric fashion to prevent the rupee from appreciating.

INTERNATIONAL TRADE

In a paper, C. Vecramani and Garima Dhir examine whether it is in the interest of a developing country to promote strong local linkages for domestic industries or to participate in global value chains (GVCs) wherein linkages are globally dispersed? This paper informs this debate by empirically analyzing which one of these strategies would result in higher levels of domestic value added (DVA) and employment in India. Using a unique panel data on DVA and jobs tied to Indian exports from 112 sectors for the period 1999–2000 to 2012–2013, we show that greater backward GVC participation—use of imported inputs to produce for exports—leads to higher absolute levels of gross exports, DVA and employment. This result implies that labour-abundant countries can reap dividends by adopting policies aimed at strengthening their backward participation in GVCs. Our findings are robust to various estimation techniques and instrumental variable approaches to address potential endogeneity concerns.

LABOUR AND EMPLOYMENT

C. Veeramani and Purna Banerjee in a paper observes that India's disappointing performance in creating productive employment for women, in spite of its increased integration with the world markets, contrasts with the experience of several countries in Asia. A number of studies have analysed the supply and demand side factors responsible for this situation. However, no study has examined the gender differences in job flows - job creation, destruction and reallocation. Net employment changes may conceal large changes in gross job flows and the associated adjustment costs. Using plant level panel data from India's formal manufacturing sector for the period 1998–2014, this paper estimates the magnitude of job flows and analyses the impact of industry-level changes in exchange rates on job flow dynamics of men and women across state industries. Even as net employment grew sluggishly for women, we find that, the labour market was



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characterised by a simultaneous process of job destruction and creation. Our analysis provides evidence for an asymmetric impact of exchange rates on job flows, with depreciation (appreciation) resulting in higher (lower) gross job creation rates with no effect on job destruction rates. Exchange rate depreciation results in higher gross and net job creation rates for both men and women in states with flexible labour laws. In states with inflexible labour laws, however, depreciation causes an increase in gross job creation for women (but not for men) with no effect on net job creation. Exchange rate depreciation also causes women to face higher job reallocation than men, particularly in states with inflexible labour laws. Participation in global value chains and output tariff reductions are found to exacerbate the effects of exchange rate changes on women's job flows. Firms operating under rigid labour market conditions tend to employ female workers as a 'buffer' to adjust the workforce in response to short term fluctuations in export competitiveness.

In a paper, S. Chandrasekhar with Soham Sahoo and Hema Swaminathan, this demonstrates a relationship between seasonal or short-term migration for work and feminization of farm management using gender-disaggregated data on land operations from India. Using a nationally representative dataset covering 35,604 rural Indian households in 2013, the study identifies whether women are taking on the role of farm managers in households with short-term migrants. Results show that women are less likely than men to be decision makers on farms. This dynamic changes when there is short-term migration in the household, with a greater probability of women being decision makers on farms. These results are robust to concerns over omitted variables, endogeneity, and sample selection issues. The study highlights the importance of unpacking the feminization process to better understand the role of women as farm managers and the need for supporting this transition to ensure that women farmers realize their full potential.

S. Chandrasekhar and Vasavi Bhatt in a chapter in an edited book addresses the persistence of informal employment in the context of India. It explains that the expected redistribution of workers from low to high-productivity sectors, an increase in the size of enterprises, a decline in the importance of informal, unorganized or household enterprises, and a shift in the occupation structure from self-employment to regular wage-salaried jobs with growth and development have all eluded India. It provides a detailed section on trends and patterns of formal vs. informal sector employment. Within this, issues relating to the task, content of jobs are addressed. The chapter delves into the debate on self-employment schemes of government and whether such schemes could help in the generation of jobs. The overarching questions are whether self-employment can become the substantial form of livelihood and what the lessons from the experience of other countries are.



MACROECONOMICS

Using a household-level panel dataset on Indian households, Sargam Gupta shows that households' macro-economic beliefs i.e. their expectations regarding country-level macro-economic developments depend on their socio-economic status. We find that households with higher income and with more educated members are more optimistic not only with respect to the overall future business conditions of the economy, but also with respect to their future family finances. In addition to socio-economic status, the rural-urban divide also plays an important role in shaping Indian households' macro-economic expectations. We find that households that are located in urban regions display higher optimism regarding future overall prospects of the economy and their family finances. These socio-economic factors driven expectations may provide potential explanations for differential investment and saving decisions for these households. This study provides an important channel through which socio-economic factors can influence economic outcomes.

Rajeswari Sengupta and Aeimit Lakdawala in a paper provide a template for constructing monetary policy shocks for emerging economies. Our approach synthesizes high-frequency financial market data with a narrative analysis of central bank communication and related media coverage. In the process we create a publicly available time-series database of policy dates and shocks for The Reserve Bank of India (RBI). In addition to capturing surprise changes to the RBI's policy rate, our shocks suggest that financial markets infer substantial information about the future path of the policy rate from RBI communication. Bond and stock markets react strongly to these monetary shocks, but exhibit notable heterogeneity across governor regimes. Finally, we use the monetary shocks as external instruments to identify the impact on macroeconomic variables.

POLITICAL ECONOMY

Rupayan Pal with Satya Chakravarty, Manipushpak Mitra, Suresh Mutuswami in a paper axiomatically characterize the probability-ratio index of electoral competition, which is based on the vote shares of parties competing in an election. It is the ratio between the probabilities that two voters drawn at random with (or without) replacement voted for different parties under actual vote shares across the competing parties and under equal vote shares across them. This vote-share concentration-based measure is characterized using two simple axioms, consistency in aggregation and competitive indifference. The former expresses the index as a weighted sum of competitiveness in two-party elections. The latter is concerned with the redistribution of vote-shares across parties.



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Bharti Nandwani in a paper studies the impact of a property rights legislation on political participation of Scheduled Tribes (STs) - a historically marginalised community of India. The legislation recognised forest land rights of STs who had been historically residing over forests without formal land titles. Utilising district level data on number of forest land titles filed by STs and distributed by government, and making use of fixed effects methodology, we show that increase in number of titles filed is associated with increase in political participation of STs as election candidates. The increased political participation of STs is on account of new political candidates that are contested by non-mainstream political parties. We provide evidence that land title applications that are approved by local governments, but rejected by sub-district/district level authorities, are driving this increase. Our results suggest that STs use political participation as a means to establish their land rights after the implementation of the property rights legislation.

POVERTY, INEQUALITY AND HUMAN DEVELOPMENT

S. Chandrasekhar and K. Naraparaju in a paper assess the relative importance of factors contributing to poverty reduction in rural India, between 2004–2005 and 2011–2012, a period when India was one of the fastest growing economies of the world, at the national as well as sub-national level. We quantify the relative importance of population shifts across land size classes in determining the pace of poverty reduction vis-à-vis the intra-land size class growth in average consumption and redistribution components. While we do not find population shifts to be a statistically significant factor in explaining poverty reduction, we find that growth in intra land consumption is the dominant factor accounting for poverty reduction in each Indian state as well as at the national level. While the impact of redistribution component varied at the sub-national level, overall, it marginally impeded the pace of poverty reduction at the national level.

In the herd immunity path to COVID-19, the scientific world has two broad positions. The Great Barrington Declaration called for allowing low-risk population to start activities so that other overriding public health concerns beyond COVID-19 and livelihood aspects of the underprivileged are addressed. As against this, the John Snow Memorandum suggested continuing with stricter restrictions to save life and open up only when safe or even emergency use vaccination or therapeutic medication is available. The race for vaccines has been in sync with the Memorandum with substantive differences in its distribution within and between countries. This motivated the paper "Herd Immunity, COVID-19 and Vaccination: Some Propositions," (IGIDR Working Paper WP-2021-2024) by Srijit Mishra. In this, a critical look into the maths of herd immunity suggests that the goal should be to reach a threshold level and that too through multiple interventions (including alternative care systems), that a substantive independent intervention like vaccine should show efficacy beyond the aggregate threshold level for relative as also absolute risks and that too beyond trials, that recognizing proximate impact can reduce the need for



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intervention through direct impact to below threshold level, that the proportion of population one needs to reach out for direct intervention will be lower if it is done through public provisioning, and that identifying and prioritizing for groups with greater exposure (or reproduction number) will reduce the overall weighted threshold level and the proportion of people needing direct intervention. Besides, the advantages of natural immunity for those already infected needs to be recognized. Further, an ethical public health posturing also requires not having an excessive focus on a single disease, not limiting interventions for a disease to specific types of care, and not mandating any specific care.

“Methodological and Ethical Concerns in a Study on Effect of COVID-19 Vaccine among Health Care Workers in a Medical College of India,” (IGIDR Working Paper WP-2021-2023) by Srijit Mishra takes a critical look into the nature of observational data from a study on effects of COVID-19 vaccine on healthcare workers points out some methodological and ethical concerns. Further analysis with relative and absolute risk reductions indicate that the effect size was lower, at times not significant and even negative when one tried to compare those fully vaccinated with single dose or tried to use person days (rather than number of healthcare workers) to account for differences in exposure. This, on the one hand, calls for caution in the media while reporting such results, and on the other hand, it calls for transparency and sharing of information in the public domain to facilitate wider scrutiny and informed debate.



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FACULTY ACTIVITIES

PARTICIPATION IN SEMINARS/WORKSHOPS/CONFERENCES

Mahendra Dev S.

Presented papers and participated in conferences

- Participated in a panel discussion on “Three Farm Laws in India”, George Washington University, 2021.
- International Association of Agricultural Economists (IAAE), panel discussion, August 26, 2021.
- International Economic Association, Executive Council Meeting, 29th June, 2021.
- India Economic Forum LITFest Awards, India Habitat Centre - SKOCH Economic Awards as part of the India Economic Forum.

Seminars, Conferences organized at IGIDR

- Organized Round Table Discussion on Union Budget 2022-23 on 11th February 2022 at IGIDR, Mumbai.
- IGIDR-Spandan Grants Interim Workshop held virtually on 25th June 2021.
- IGIDR- Spandan Grants Interim Workshop held virtually on 2nd November 2021.

Chandrasekhar S.

Papers presented

- "Migration for Higher Education in India: Insights from NIRF Data", 62nd Annual Conference of the Indian Society of Labour Economics, IIT Roorkee, Uttarakhand, 11-13 April 2022.

Resource person

- "Workshop on Public Value Creation and Impact Evaluation", Mahatma Gandhi National Fellowship (MGNF) Programme Phase II, Organised by Indian Institute of Management Nagpur, 12th March 2022.
- "Fundamentals of Development Economics", Mahatma Gandhi National Fellowship (MGNF) Programme Phase II, Organised by Indian Institute of Management, Nagpur, October 2021.

Ganesh Kumar A.

Papers presented

- VISHLESHAN A National Symposium on Union Budget 2022: Perspectives, Faculty of Management Studies, Marwadi University, Rajkot, 07 Feb., 2022.
Presentation: An overview of Union Budget 2022 - Special focus on Agriculture

Conferences organized in IGIDR

Round Table organizer:

- Round Table Discussion on Union Budget 2021–22, Indira Gandhi Institute of Development Research (IGIDR), Mumbai . 11 Feb., 2022.



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Workshop organizer:

- Final Workshop of “SPANDAN Initiative Grants”, Indira Gandhi Institute of Development Research (IGDR), Mumbai. 03–04 Feb., 2022.

Session co-organizer:

- Special Session on Dr. Subir V. Gokarn, 19th Macroeconomics and Finance Conference, Indira Gandhi Institute of Development Research (IGDR), Mumbai. 15-17 Dec., 2021.

Workshop organizer:

- Second Interim Workshop of “SPANDAN Initiative Grants”, Indira Gandhi Institute of Development Research (IGDR), Mumbai. 02 Nov., 2021.

Workshop Organizer:

- Interim Workshop of “SPANDAN Initiative Grants”, Indira Gandhi Institute of Development Research (IGDR), Mumbai. 24-25 Jun., 2021.

Discussant for papers

- DEPR Colloquium “Research Webinar on Productivity, Competitiveness and Inflation”, Reserve Bank of India (RBI, Mumbai. 28 Jun., 2021.
Discussant for paper: Competitiveness and Determinants of Agricultural Commodity Exports Evidence from India.

Ghosh Taniya

- Assessing India's productivity trends and endogenous growth: New evidence from technology, human capital and foreign direct investment, IIT Mandi, 22 October, 2021.
- Assessing India's productivity trends and endogenous growth: New evidence from technology, human capital and foreign direct investment, IIT Delhi, 20 October, 2021.

Gopakumar Achuthankutty

- “Strategy-proof rules on partially single-peaked domains” presented as part of International Conference on Social Choice and Voting Theory; Department of Economics, Virginia Tech University, USA. 18 June, 2021
- “Introduction to Mechanism Design”; Department of Applied Mathematics, Manipal Academy of Higher Education (MAHE), Manipal, India. 18 November, 2021

Gupta Sargam

- Attended course on Continuous-Time Methods in Macroeconomics from 21 - 25 June, taught by Jesus-Fernandez Villaverde at University of Oxford.



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Mishra Srijit

A. Presentations

- 29-30 March 2022, “Beyond the Odisha Millets Mission,” Talk by Srijit Mishra, U.K.-India Agri Biology: The Way Ahead! A Research Collaboration Event, NIPGR and University of Cambridge.
- 09 February 2022, “Inequality, Inclusiveness and The Making of Odisha Millets Mission, Talk by Srijit Mishra, Maulana Azad National Urdu University, Hyderabad.
- 02 February 2022, Indigenous Knowledge System: The Case of Millet(s) Mission in Odisha, Talk by Srijit Mishra, Utkal University, Bhubaneswar.
- 19 and 27 January and 2 and 10 February 2022, TIGR2ESS Summative Workshop, University of Cambridge. In the Summative Workshop, Srijit Mishra made a presentation in a session and was co-author of four posters that were presented. These are:
 - The Evolving Triad in Odisha Millets Mission and Beyond, talk by Srijit Mishra.
 - Participant Farmers’ Responses on Changes in Finger Millet Yield on Account of New Agronomic Practices under Odisha Millets Mission, poster co-authored with Diptimayee Jena.
 - Public Procurement of Finger Millet (Mandia/Ragi) in Odisha, poster co-authored with Aman, Smrutimayee Sarangi, V. Swaran, Gijivisha Khattri, and A. Ravindra.
 - Where and How the Pregnant and Lactating Mothers Met Food Needs during the First Wave of COVID-19 Pandemic in Kandhamal?, poster co-authored with Rashmi Rekha Samal.
 - Comparative Analysis of Navdhanya (Multicrop System) with Monocropping in Anantapur, Andhra Pradesh, poster co-authored with Prachi Patil, Sandeep Chiyyedu and A. Ravindra.
- 14 - 16 December 2021, “Pathways and Challenges of Farmers’ Producer Organizations in Odisha Millets Mission,” 35th Annual Conference of Indian Society of Agricultural Marketing, University of North Bengal, Siliguri. Srijit Mishra presented paper co-authored with Shirish Joshi.
- 6 November 2021, “Prioritising Food Security to Eradicate Hunger and Poverty,” Talk by Srijit Mishra, Citizens’ Forum India.
- 27 - 29 October 2021, delivered a talk in a special session and co-authored two other papers presented, 29th Annual Conference of Agricultural Economics Research Association on “Public Policies and Agricultural Transformation in India,” Odisha University of Agriculture and Technology, Bhubaneswar. The details are:
 - “The Making of Odisha Millets Mission: A Personal Journey,” Talk by Srijit Mishra in a Special Session.
 - “Factors Influencing Ragi Yield: Participant Farmers’ Responses in Odisha Millets Mission” (paper with Diptimayee Jena), and
 - “Nutrient Deficiencies among Kandhas of Kandhamal: A Mixed Method Study” (paper with Rashmi Rekha Samal).
- 20 - 30 September 2021, HDCA Global Dialogue. Chair/Panellist in “COVID-19 and Heightened Inequalities in Human Development and Capability in South Asia.”
- 15 - 16 September 2021, “The Making of Odisha Millets Mission: Global Lessons and Future Implications” presented as a panellist in the session “Millets Beyond MillNETi: Inspiration from Guests,” Virtual MillNETi Symposium: Addressing Iron Deficiency Through Millets, University of Cambridge, U.K.



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- 7 September 2021, “The Making of Odisha Millets Mission: Motivational and Philosophical Basis,” and “The Making of Odisha Millets Mission: Implementation and Challenges,” delivered two lectures, Refresher Course Economics, Sardar Patel University.
- 10 - 11 May 2021, “Philosophical Underpinnings and Policy Lessons: The Odisha Millets Mission,” and “Measuring Development and Deprivation in Multiple Dimensions: The HDI and the MPI,” delivered two lectures in training to Indian Statistical Service Probationary Officers, Indira Gandhi Institute of Development Research.

B. Participated

- Monday afternoon weekly meetings of E2IMPART (collaborative institute project with Greenwich University as lead) held virtually (participated in some of these weekly meetings).
- Final Dissemination Workshop and Conference on Nutrition and Wellbeing, Punjab University, Chandigarh, 24 - 25 March 2022.
- Documenting Mixed Indigenous Cropping Systems’ Features and Design (DeMISteFi), Workshop, WASSAN, Hyderabad, 15 - 16 March 2022.
- 17 November 2021, Discussion with Leading Think Tanks, NITI Aayog.
- 10 June 2021, Women’s Agency and Gender Equity in Food Systems, United Nations Food Systems Summit 2021, Norwich Institute for Sustainable Development, Bharat Krishak Samaj, Rythu Sadhikara Samstha, and Transforming India’s Green Revolution by Research and Empowerment for Sustainable Food-supplies.
- 27 April 2021, Virtual Expert Group Workshop #5, Foresight Study "AgroEco2050", RySS, CIRD and FAO.
- 24 May 2021, Virtual Expert Group Workshop #6, Foresight Study "AgroEco2050", RySS, CIRD and FAO.

Mythili G.

- Keynote Address on “Highlights of NEP 2020 and Role of Education Sector in \$10 Trillion Economy of India” in a National Conference on Achieving \$10 Trillion Economy of India by 2030: Opportunities and Challenges, organised by Gogte Institute of Technology, Belagavi held on 20 April, 2021.
- Participated in Conversation on Research in Economics: Agriculture, Food Security and Nutrition, in ISSPO Training Programme organised by IGIDR, 30 April, 2021.
- Plenary Talk on “Sustainable Economic Development: Tools and Applications”, in Series of Lectures in Select Topics in Indian Economic Development, organized by DPSS Society, New Delhi, 23 September, 2021.
- Conference Paper (Joint author): paper titled “Micronutrient Deficiency and its Impact on Labour Productivity” on 2nd December, in the Technical Session on ‘Agriculture and Allied Sectors in Nutritional Security’, in Annual Conference of Indian Society of Agricultural Economics held 1 - 3 December, 2021.



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Nandwani Bharti

Conference/Seminar Presentations:

- ICDE June 2021 (Virtual)
- IPPN Annual Conference July 2021 (virtual)
- 16th annual conference on growth and development, ISI Delhi, December 2021 (virtual)
- Winter school 2021, Delhi School of Economics, December 2021 (virtual)
- International Initiative for Impact Evaluation February 2022
- Shiv Nadar University April 2022
- Indira Gandhi Institute of Development Research April 2022
- Indian Institute of Management, Ahmedabad, May 2022
- Indian Statistical Institute, Delhi, June 2022
- Society for Advancement of Economic Research in India, July 2022
- Southern Economic Association, November 2022 (Scheduled)

Pandey Vijay Laxmi

Conferences organized in IGIDR:

- Co-organizer Interim Workshop of “SPANDAN Initiative Grants”, Indira Gandhi Institute of Development Research (IGIDR), Mumbai. 24 - 25 June, 2021.
- Co-organizer Second Interim Workshop of “SPANDAN Initiative Grants”, Indira Gandhi Institute of Development Research (IGIDR), Mumbai. 02 November, 2021.
- Co-organizer Final Workshop of “SPANDAN Initiative Grants”, Indira Gandhi Institute of Development Research (IGIDR), Mumbai. 03 - 04 February, 2022.

Conference Participation

- Participated in the World Sustainable Development Summit - 2022 (WSDS-2022), online, organized by The Energy and Resources Institute (TERI), New Delhi-110003, 16 - 18 February, 2022.

Teaching:

- Markets, Incentives and Agriculture in India

Research Supervision:

- Supervisor of one M.Phil. student
- Supervisor of one Ph.D. student

Membership:

- Member, IGIDR Computer Committee
- Member, IGIDR Research Ethics Committee
- Member, IGIDR Student Placement Committee

Sarkar Shubhro

- Society for Economics Research in India (SERI) Annual Workshop, 17th-19th July, 2021, Delhi.



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Sengupta Rajeswari

Papers presented:

- Saved by the bell? Equity market responses to surprise Covid-19 lockdowns and central bank interventions: 2nd SEBI-NISM Research Conference, Asian Meeting of the Econometric Society, IFABS Oxford Conference, ERFIN workshop.
- Analysing India's Exchange Rate regime: India Policy Forum
- Pricing anomalies in corporate bond market in India: 12th Emerging Markets Conference
- Measuring monetary policy shocks in emerging economies: Evidence from India: DSE Winter School Conference, RBI DEPR Internal seminar, Singapore Economic Review Conference, Singapore; Presidency University, Kolkata.
- Evaluating India's shift to Inflation Targeting: A view from financial markets: Institute of Economic Growth; Strategic Research Unit, Reserve Bank of India.

Discussion/Talks:

- IEG panel discussion on "Monetary Policy and Role of the Central Bank at the time of a Pandemic".
- Panel discussion at the India Economic Forum organised by the SKOCH Foundation
- Discussant for a talk on "Evaluating Indian Macroeconomic Statistical Systems: Data Trends, Challenges for Evidence and Impact amid COVID-19" organised by IMPRI
- Panel discussion at the Global Finance Conclave organised by Jindal Global University
- Talk at Oxford Economics Society
- Talk on Growth and Challenges in Indian Economy at King's College, London
- Fire side chat at the Almus Rupee Money Conference on dynamics of India's exchange rate
- Talk on the impact of the Pandemic on India's financial sector at SAM Law Firm
- Lecture on Monetary Policy Framework for LAMP fellows at PRS Legislative Research, Delhi
- Panel discussions on the Union Budget at Mahindra and Mahindra, Mumbai; at SYFX Treasury Foundation, Mumbai; at IGIDR
- Panel discussion on "Women in the Workplace" organised by Pink Legal Club, LSR College, Delhi
- Panel discussion on Financial Stability at the India Economic Forum organised by SKOCH group.

Sharma Vinod K.

- Participated in the World Sustainable Development Summit - 2022 (WSDS-2022), online, organized by The Energy and Resources Institute (TERI), New Delhi-110003, 16 - 18 February, 2022.
- Participated in World Environment Day Online Conference on "Soul to Soil," Online, India, 05 June, 2021.

Veeramani C.

- Invited online presentation at "ISID Capacity Building Programme on Industrialization, Corporate Sector and Development" 2021 (Title of the paper: "Global Value Chains and Input-Output Method")



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- Invited online presentation at “ASCI-RBI Programme on International Trade Issues” 2021, (Title of the paper: "Global Value Chain")
- Invited online presentation at “ISID Capacity Building Programme on Industrialization, Corporate Sector and Development” 25 February, 2022 (Title of the paper: “Global Value Chains and Input-Output Method”)
- Invited presentation at “Budget 2022: A Panel Discussion” School of Humanities and Social Sciences, IIT Indore, February 2022 (Title of the presentation: “Implications of Growing Protectionism in India”)
- Invited online presentation at “ICSSR Sponsored Capacity Building Programme for Social Science Faculty”, Centre for Development Studies, Thiruvananthapuram, 2 August, 2021 (Title of the paper: “International Trade”)

Discussant for papers

- Discussant for a paper at the “DEPR Research Colloquium on Productivity, Competitiveness and Inflation”, Reserve Bank of India, 28 June, 2021 (Title of the presentation: Discussion on Towards Atma Nirbhar Bharat: An Exploration of Linkages and Leakages).
- Invited panelist at the “Webinar on India’s Export Performance: Lessons from an Analysis of Long Term Trends” Institute for Studies in Industrial Development, 12th October 2021 (Title of the presentation: “Discussion on Export Performance and India’s Tryst with Self-reliance in the Globalized World”)



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REFEREEING/MEMBERSHIP OF COMMITTEES/AWARDS/MISCELLANEOUS

Mahendra Dev S.

National

- President, Indian Economic Association.
- Member, University Research Council, SRM University, Vijayawada
- Member, Eminent Panel for Advising Andhra Pradesh Government.
- Member, V.K.R.V. Rao Professorship Committee, Institute for Social and Economic Change, Bangalore.
- Chairman, Committee for Evaluation of National Institute of Agricultural Economics and Policy.
- Chairman, Research Advisory Committee, National Institute of Rural Development (NIRD), Hyderabad.
- Member, Research Advisory Committee, National Bank for Agriculture and Rural Development (NABARD), Mumbai.

International

- Vice Chairman, Board of Trustees, International Food Policy Research Institute, Washington, D.C., USA
- Member, Independent Advisory Committee, CRP2, International Food Policy Research Institute, Washington, D.C.
- Member, Programme Advisory Committee (PAC), Harvest Plus Programme, International Food Policy Research Institute (IFPRI), Washington, D.C.
- Chairman, Committee on Food Safety Evaluation, International Food Policy Research Institute (IFPRI), Washington, D.C.
- Member, Advisory Panel, Young Lives Project, DFID London
- Member, Executive Committee of the International Economic Association. Spain.
- Asian Productivity Council, Tokyo, on Covid-19, Poverty and Inequality, 2020
- Chairman, Nomination and Governing Committee, International Food Policy Research Institute, Washington, D.C., USA
- Member, Peer Review Board for a long term research project on food security funded by the European Commission, ZEF, University of Bonn, Bonn, Germany
- Member, Independent Advisory Committee, Agriculture for Nutrition and Health, International Food Policy Research Institute, Washington, D.C.
- Member, Programme Advisory Committee (PAC), Harvest Plus Programme, International Food Policy Research Institute (IFPRI), Washington, D.C.
- Member, Advisory Committee, LANSa project funded by DFID
- Member, Advisory Panel, Young Lives Project

Member, Board of Management

- Member, General Council, V. V. Giri National Labour Institute, Delhi
- Member, Board of Governors, Institute of Economic Growth, Delhi
- Member, Board of Governors, CMDR, Dharwad, Karnataka
- Member, Board of Governors, Institute for Human Development



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Member in Govt. Committees

- Chairman, Expert Committee on 'Employment and Skills', to help the Committee of 8 Group of Cabinet Ministers, GOI.
- Member, Committee headed by Cabinet Secretary to select Chairman and Members of CACP.

Member, Editorial Board

- Member, Editorial Board, Indian Public Policy Review, Bangalore
- Member, Editorial Board for Journal of South Asian Development, East Anglia, U.K.
- Member, Editorial Board for Indian Journal of Labour Economics, New Delhi
- Member, Editorial Board for Journal of Social and Economic Development, Institute for Social and Economic Change (ISEC), Bangalore
- Member of the Editorial Board for Journal of Asian Development Research, Asian Development Research Institute
- Member of the Editorial Board for Journal, Migration and Development, Routledge
- Member of the Editorial Board for Quarterly Journal of International Agriculture, Germany
- Member of the Editorial Board for Indian Journal of Labour Economics, New Delhi

Awards received

- Vice Chairman, International Food Policy Research Institute, Washington D.C.
- Member, Executive Committee, International Economic Association
- Member, Governing Council, Association of Indian Universities
- Association President, Indian Economic Association
- President, Indian Society of Agricultural Economics
- President, Indian Society of Labour Economics
- President, Indian Society of Agricultural Marketing

Special Addresses

- Brahmananda Memorial lecture, Indian Economic Association, 5 January, 2022
- Keynote address at the North Eastern Economic Association, 14 December, 2021
- Waheeduddin Khan Memorial Lecture on 'Beyond India @75: Growth, Inclusion and Sustainability, Hyderabad, Centre for Economic and Social Studies, 18 November, 2021
- Special Address, ICFAI Doctoral Conference, 6 May, 2021

Chandrasekhar S.

Academic Institutions

- Member, Research Advisory Board, Symbiosis Centre for Research and Innovation, Symbiosis International University (June 2018 - May 2021, June 2021 - May 2024)
- Member, Academic Council, International Institute for Population Sciences, Mumbai (January 2021 - December 2022)
- External Expert, Departmental Advisory Committee of the Department of Educational Planning, National Institute of Educational Planning and Administration, New Delhi (2021-2022)



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Government of India Working Groups / NABARD Committee

- Official Member, Working Group for the 79th Round (2021-22) Surveys on (i) AYUSH, (ii) Comprehensive Annual Modular Survey and (iii) Living Conditions and other aspects of Tribals in India, conducted by National Sample Survey Office, Ministry of Statistics and Programme Implementation, Government of India
- Official Member, Working Group for the Household Consumer Expenditure Survey July 2022 - June 2023, conducted by National Sample Survey Office, Ministry of Statistics and Programme Implementation, Government of India
- Member, Advisory Committee, NABARD All India Financial Inclusion Survey 2.0

Ganesh Kumar A.

Refereeing

- *Agricultural Research*
- *Food Security: The Science, Sociology and Economics of Food Production and Access to Food*
- *Journal of Quantitative Economics*
- *Millennial Asia*
- Routledge, Taylor & Francis Group Publications, New Delhi
- Doctoral thesis examiner, *Indian Institute of Technology Delhi, New Delhi*
- Doctoral thesis examiner, *Jawaharlal Nehru University, New Delhi*
- Master's thesis examiner, *European Master of Law and Economics (EMLE), Erasmus University, Rotterdam*
- East Asia Forum, *Crawford School of Public Policy, Australian National University*

Committee or Board Membership

- Editorial Board of *Agricultural Economics*, Journal of the International Association of Agricultural Economists (IAAE)
- *Advisory Committee on National Accounts Statistics (ACNAS)*, Ministry of Statistics and Programme Implementation, Government of India
- *Working Group for the 77th Round of NSS*, Government of India, Ministry of Statistics and Programme Implementation (MOSPI), National Sample Survey Office (NSSO)
- *College Development Committee*, Gokhale Education Society's Shri. Bhausaheb Vartak Arts, Commerce & Science College, Mumbai

Course offered

- Applied General Equilibrium Models (optional course) - January - June, 2021 semester
- Econometrics-2 (core course – shared with Dr. Subrata Sarkar) - March - June, 2021 semester

Student guidance

Thesis supervisor

- Mr. Varun Kumar Das (Ph.D.) – Completed
- Ms. Tanu Gupta (Ph.D.) – Ongoing
- Mr. Himanshu Jaiswal (Ph.D.) – New student



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Thesis Committee Member

- Ms. Ritika Palit (Ph.D.) - Ongoing
- Ms. Leena Bhattacharya (Ph.D.) - Completed

Ghosh Taniya

Committee or Board Membership

- Academic Council, IGIDR
- IGIDR Entrance Exam for M.Sc./Ph.D. Admissions
- Committee Panelist for M.Sc./Ph.D. Selection, IGIDR
- Undergraduate Studies Committee, IGIDR

Courses taught: Macroeconomics II, IGIDR, 2022

Indian Statistical Service Officers Training Programme, IGIDR, 2021

Graduate Student Supervision

- Roshin Paul, (IGIDR, 2022), Ph.D. Advisor
- Rudra Narayan Kushwaha, (IGIDR, 2022), Ph.D. Advisor
- Yadavindu Ajit (IGIDR, 2022), Ph.D. Advisor
- Kaustubh (IGIDR, 2022), M.Phil. Thesis
- Prashant Parab, (IGIDR, 2022), Ph.D. Committee Member
- Shakti Kumar (IGIDR, 2022), M.Phil. Thesis
- Boluram Mogor (IGIDR, 2022), M.Phil. Thesis
- Saurav Kumar (IGIDR, 2022), Masters Thesis

Gopakumar Achuthankutty

Refereeing

- *Social Choice and Welfare* (Springer), *Studies in Microeconomics* (SAGE Journals), and *Progress in Development Studies* (SAGE Journals)

Committee or Board Membership

- IGIDR Admission Committee
- Student Newsletter Committee (in the role of Faculty Advisor)
- Visiting Ph.D. Scholars Programme Committee
- College Teachers Training Programme Committee
- Canteen Committee
- Subject-wise Thematic Curriculum Revision Sub-Committees (Microeconomics, Mathematical Economics and Allied Subjects)

Teaching

- Master's thesis guidance of Akshita Singh (M.Sc. batch 2019-2021), January-May, 2021.
- Microeconomics-II (Course code: 5102), March-June, 2021.
- Special Topics in Microeconomics (Course code: 6101), August-December, 2021.
- Two lectures on Research Methodology to first year Ph.D. students



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Gupta Sargam

Refereeing

World Bank Economic Review (Oxford Economic Press); Computational Economics (Springer); Indian Economic Journal (Sage)

Committee or Board Membership:

Ph.D. Committee of Mr. Pratik Thakkar; Admissions Committee; Placement Committee; Committee for Annual Conference (MFC 2021)

Mishra Srijit

A. Journals/Publishers

- Economic and Political Weekly,
- Frontiers,
- Journal of Social and Economic Development,
- Millennial Asia,
- Oxford University Press

B. Committee Membership

- Member, Task Force on Development of Agriculture, Water Conservation, Food Processing and Allied Sectors, State Planning Commission, Chhattisgarh, 16 July 2021-date.
- Editorial Board Member: New Springer Monograph Series, New Frontiers in Regional Science: Asian Perspectives
- Expert Panel of an explorative research study “AgroEco2050: Foresight on Natural Farming in Andhra Pradesh,” 15 September 2020-date
- RRRANetwork Editorial Board Member, 23 November 2020-date
- Interview Panel for Selection of M.Sc. students to IGIDR, 8 July 2021
- Committees at IGIDR: Dean Academic & Student Affairs and as ex-officio Research Ethics Committee (convenor), Student Placement (convenor), Students Welfare and Grievance Redressal Committee (convenor), Academic Disciplinary Action Committee (convenor), Post-Doctoral Fellowship Committee (convenor), Executive Committee Academic Affairs (member) Faculty Recruitment Advisory Committee (member), Visiting Masters Students Programme (member), and Visiting Ph.D. Scholars Programme (member) since 1 October 2021; and Seminar Committee (as co-ordinator), Library Committee (member), Ph.D. Colloquia (member), College Teachers Training Programme Committee (member), and Website Committee (member), since 5 January 2021.

C. Any Other

- Other Refereeing: Academic evaluation of faculty/Ph.D.: GND University, ICSSR, IIT Bombay, SNDT.
- Co-Investigator, Transforming India's Green Revolution by Research and Empowerment for Sustainable Food Supplies (TIGR2ESS), Research Council U.K. - Global Challenge Research Fund. This is an inter-disciplinary project across 19 institutes in India and U.K. with the lead being University of Cambridge.



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Co-Investigator, Economic and Empowerment Impacts of Millet Processing and Value Addition Enterprises by Women SHGs in Tribal Areas of Odisha, 3ie Swashakt. This is a joint project with collaborators from University of Greenwich (lead), Brunel University London, University of Kent, and WASSAN.

Mythili G.

Membership of Committees

- Joint Managing Editor of Journal of Quantitative Economics, Springer - since February, 2005
- Member of Board of Management, IGIDR till December 2021
- IGIDR Committees: Member: Faculty Recruitment, IQAC and Core Committees
- Convener: Internal Complaints Committee and Internal Grievance Redressal Committee
- Member of Board of Studies – Economics Department, SIES College, Mumbai University,
- Served as external referee for Ph.D. theses of a few Universities and refereed a few journal articles and research project proposals during this period.

Teaching :

Course title: Mathematics for Economists

August 2021 to December 2021 for M.Sc Program

Guidance : 3 Ph.D. students, 2 M.Phil. students and one M.Sc. student for Dissertation

Nandwani Bharti

Refereeing

Journal of Social and Economic Development, Economics of Governance, Journal of South Asian Development, Journal of Quantitative Economics, Conservation and Society, Review of Market Integration

Negi Digvijay

Refereeing

Food Policy, Applied Economics, Economics Modelling

Pal Rupayan

Refereeing Services

- Competition Commission of India Journal on Competition Law and Policy
- Bulletin of Economic Research
- International Journal of Game Theory
- Journal of Economics
- European Journal of Development Research

Membership of External Committees

- Academic Council of Gokhale Institute of Politics and Economics, Pune, India.



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Member of the Editorial Board of the following Journals

- Competition Commission of India Journal on Competition Law and Policy
- Humanities and Social Sciences Communications, Nature
- S. N. Business and Economics, Springer-Nature

Teaching

- Topics in Oligopoly Theory (optional course)

Research Supervision

- Supervisor of two Ph.D. students
- Supervisor of one M.Phil. student

Refereeing

- Food Policy
- Food Security
- Letter in Spatial and Resource Science
- Food and Nutrition Science
- Journal of Public Affairs

Membership

- Member, Working Group on Demand and Supply Projections of Crops, Livestock, Fisheries and Agriculture Input.

Ramaswamy K.V.

Refereeing

- Indian Journal of Labour Economics
- The Journal of Quantitative Economics
- The Indian Economic Journal

Membership of Committees

- Member and Coordinator Committee for Visiting Scholars Programme, IGIDR
- Member, IQAC Committee, IGIDR.
- Member, IGIDR Computer Committee 2021-22

Sarkar Jayati

Refereeing

- Economic Systems

Teaching

- Institutional Economics: Theory and Applications



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Sarkar Shubhro

Refereeing

- International Journal of Economic Theory

Committee or Board Membership

- Member, Board of Management, Indira Gandhi Institute of Development Research

Teaching

- Taught Microeconomics 1 (compulsory for M.Sc. and Ph.D. students) Sengupta Rajeswari

Sengupta Rajeswari

Refereeing:

- Journal of International Money and Finance
- Journal of Asian Economics
- Economic Modelling
- Journal of Economic Studies
- Review of Industrial Organisation
- India Review
- Singapore Economic Review

Fellowships and Awards

- Best Paper Award at 2nd SEBI NISM Research Conference

Sharma Vinod K.

Committee or Board Membership

- Expert Community Member for the Research on “Education for Sustainability in Asia” – a multi-country joint project of NTU, Singapore.
- Expert Work-Group Member for the Research on “Investigation for Renewable energy policy / status and renewable energy initiatives in Asia” – a multi-country joint project of AIST, Japan and ERIA, Indonesia.
- Member, UNEP’s (France) ILCB (International Life Cycle Board).
- Expert Community Member for the Research on “Education for Sustainability in Asia” - a multi-country joint project of NTU, Singapore.
- Expert Work-Group Member for the Research on “Investigation for Renewable energy policy / status and renewable energy initiatives in Asia” - a multi-country joint project of AIST, Japan and ERIA, Indonesia.
- Recognized Guide/ Supervisor at SNDT Women’s University, Mumbai.

Teaching

- Taught a Course titled as “Socio-economic and Policy Issues in Energy and Environment” to M.Sc./Ph.D. students, IGIDR, January - May, 2022.
- Taught Course titled as “Socio-economic and Policy Issues in Energy and Environment” to M.Sc./Ph.D. students, IGIDR, July - December, 2021.



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- Guided M.Sc. Thesis: Effect Of Air Pollution On Quality Of Life In Jharkhand, Master's Thesis Submitted By Abhishek Kumar, May, 2022.

As an Editor:

Editor of the IJSI

- **Vinod K. Sharma** is the editor and managing editor of “International Journal for Sustainable Innovations (IJSI)” from 2010 onwards - A peer reviewed international journal. The Editorial Board of the IJSI includes prominent experts from several countries. The objective of the IJSI is to highlight any innovative approach, research or action by various stakeholders including the academicians, researchers and policy makers. The Journal focuses on issues related to energy, environment, urbanization, infrastructure, industrialization, agricultural and rural development, and related sectors, the consequences of which are the major concerns for a sustainable future. Thus, IJSI is an inter-disciplinary journal that follows a “three pillar approach” for the sustainability, viz., social, economic and environmental dimensions. All articles submitted to the IJSI are subjected to a thorough peer review process and published in it only after favourable reports are obtained from at least two anonymous referees and the editor of the journal.

Editor-in-Chief of SAVITARKA

- **Vinod K. Sharma is the Editor-in-Chief of SAVITARKA, an E-Magazine on Sustainable Development Issues, from 2012 onwards.** SAVITARKA is a mass awareness magazine to report research and action on development issues. Masses are not often exposed to scientific and technical literature and, therefore, may not follow the complex papers written in refereed journals. SAVITARKA intends to generate mass awareness and sensitize people with simple illustrations of issues. It discusses technological, socio-economic and policy aspects of various development sectors including energy, environment, infrastructure, human development, agriculture, rural development, urbanisation, water resources, irrigation, etc. It is a platform for logical discussions, identifying the issues and suggesting some possible solutions to tackle them through appropriate policy interventions.
- Member of Editorial Board of International Journal Environmental Monitoring and Assessment, Kluwer Academic Publishers, The Netherlands, 1998 onwards
- Member of Editorial Board of International Journal of Life Cycle Assessment, a publication of Springer, 2000 onwards.

Member Professional Groups

- Founding Member, International Society for Energy Transition Studies (ISETS), Australia, January, 2020 onwards.
- Fellow of Institution of Engineers (India) and Chartered Engineer, September, 2020 onwards.
- Life Member, ISCA (The Indian Science Congress Association, India).
- Life Member Indo-French Technical Association, India;
- Life Member, Institution of Engineers, India;
- Life Member, Indian Society of Desert Technology;
- Life Member, Indian Aerosol Science & Technology Association, India.



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Honors

- Nominated Academician by Hon'ble Governor of Gujarat as Member of Selection Committee for appointment of Professors and Assoc. Profs. in Hemchandracharya North Gujarat University, Patan, September, 2020 onwards

Veeramani C.

Refereeing

- World Development, Economic Modelling, Economic and Political Weekly, Journal of Quantitative Economics, Indian Economic Review, Journal of South Asian Development, South Asia Economic Journal, International Journal of Social Economics, Foreign Trade Review

Committee or Board Membership

- Joint Managing Editor, Journal of Quantitative Economics, Springer, since October 2013
- Economics Area Editor, Journal of Indian Business Research, Emerald, since September 2013
- Member: "RBI's Empowered Committee on External Commercial Borrowings and Overseas Direct Investments", since January 2018.
- Member: "Standing Technical Committee of Experts to review EXIM Bank's Export Leading Inde model to forecast India's exports", since March 2018.
- Member, Board of Studies, Bengaluru Dr. B. R. Ambedkar School of Economics University, since August 2020.
- Member: European Masters in Law and Economics (EMLE) Examination Board, since 2015
- Member: Research and Recognition Committee, Faculty of HSS, Symbiosis International University, Pune (since November 2017).

Member of various Committees at IGIDR: Executive Committee; Faculty Recruitment; IQAC; Students Welfare and Grievance Committee; Library; Research Ethics; Seminar; Academic Disciplinary Action Committee; Institute Academia-Business Engagement Committee; Internal Grievance Redressal; Complaints/Redressal Committee for the Prevention of Sexual Harassment; Post-Budget Symposium/Seminar, Admissions



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FACULTY RESEARCH PUBLICATIONS

PAPERS IN JOURNALS/CHAPTERS IN EDITED VOLUMES/BOOK REVIEWS/REPORTS

Mahendra Dev S.

- “Counting the Poor: Measurement and Other Issues”, in *Indian Economy Since Independence: A Comprehensive and Critical Analysis of India's Economy, 1947-2021*, (Eds.) Uma Kapila, Academic Foundation.
- “The Post-Covid Priority: Budget Needs to Ramp up Spending on Health and Education” in *Economic Development in India, Vol. 251 and 252*, (Ed.) Uma Kapila, Academic Foundation. p. 39-42, 2021
- “Exports: A Post-Covid Opportunity” (With C. Veeramani) in *Economic Development in India, Vol. 251 and 252*, (Ed.) Uma Kapila, Academic Foundation. p. 43-46, 2021
- “Agricultural Reforms in India” in *Economic Development in India, Vol. 251 and 252*, (Ed.) Uma Kapila, Academic Foundation. p. 107-126, 2021
- “Covid 19 and Indian Economy: An Interim Assessment”, Chapter in “India Development Report, 2022”, Oxford University Press, 2022 (with Rajeswari Sengupta)
- ‘Agricultural diversity and Child diet diversity in the rural areas of Bihar and Odisha, Chapter in “India Development Report, 2022”, Oxford University Press, 2022 (with Vijaylaxmi Pandey and Suganthi, D.
- “Transformation of Indian agriculture: Role of marketing and food systems”, *Indian Journal of Agricultural Marketing* V.35(1), 2021
- “Who quits and who sustains participation in a supermarket supply chain?: An insight from the Aditya Birla More supply chain” in 'Transforming Agriculture in South Asia: The Role of Value Chains and Contract Farming' Ed. by Ashok K. Mishra et al (eds.), 2021 (with Suganthi, D. and Vijaylaxmi Pandey).
- “India's National Food Security Strategies and Potential for Regional Cooperation” in *Regional cooperation for sustainable food security in South Asia*, (Eds.) Nagesh Kumar and Joseph George, Routledge, 2021

Newspaper Articles

- “The Pillars of an Equitable Post-Covid India”, April 6, 2021, The Hindu
- “Towards a more equitable post-Pandemic growth, May 25, 2021, Indian Express
- “How India's Food Systems must respond to the climate crisis”, September 20, 2021, Indian Express.
- “Where did three farm laws fail” November 20, 2021, Business Standard

Chandrasekhar S.

- K Naraparaju, S. Chandrasekhar (2021) Poverty Reduction in Rural India During 2004–2005 to 2011–2012: Role of Growth, Redistribution, and Population-Shifts, Review of Income and Wealth, First published: 05 December 2021



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- S. Chandrasekhar, Vijay Laxmi Pandey & Soham Sahoo (2022) Land use and cropping decisions of agricultural households in India, Food Security Volume 14, Pages 621–635, Published: 17 January 2022
- S. Chandrasekhar, Soham Sahoo & Hema Swaminathan (2022) Seasonal Migration and Feminization of Farm Management: Evidence from India, Feminist Economics, Volume 28, Issue 1. 2022
- S. Chandrasekhar, Vasavi Bhatt (2021) On the persistence of informal work and self-employment in India, Chapter 3, India Higher Education Report 2020: Employment and Employability of Higher Education Graduates in India, by N.V. Varghese (Editor), Mona Khare (Editor), Routledge India; 1st edition (28 September 2021)

Ghosh Taniya

Journal Publications

- “Money’s predictive role in output: evidence from recent data for the US, UK, Euro and Poland” with M. H. Adil, 2022, Applied Economics (forthcoming).
- “Dynamic interaction among macroeconomic fundamentals: Evidence from India using SVAR framework” with M. H. Adil, I. Nurudeen and N. Hatekar, 2022, Studies in Economics and Econometrics, <https://doi.org/10.1080/03796205.2022.2077232>.
- “Control of Chaos in New Keynesian Macroeconomics” with W. A. Barnett, G. Bella, P. Mattana, B. Venturi, 2022, Studies in Nonlinear Dynamics & Econometrics, <https://doi.org/10.1515/snde-2021-0106>.
- “Is Money Demand Really Unstable? Evidence from Divisia Monetary Aggregates” with W. A. Barnett and M. H. Adil, Economic Analysis and Policy, Volume 74, June 2022, Pages 606-622, <https://doi.org/10.1016/j.eap.2022.03.019>.
- “Chaos in UK New Keynesian Macroeconomy” with W. A. Barnett, G. Bella, P. Mattana, B. Venturi, Economic Modelling, Volume 108, March 2022, 105767, <https://doi.org/10.1016/j.econmod.2022.105767>.
- “Shilnikov Chaos, Low Interest Rates, and New Keynesian Macroeconomics” with W. A. Barnett, G. Bella, P. Mattana, B. Venturi, Journal of Economic Dynamics and Control, Volume 134, January 2022, 104291, <https://doi.org/10.1016/j.jedc.2021.104291>.
- “Nonlinear optimal control of coupled time-delayed models of economic growth” with G. Rigatos, P. Siano and M. Abbaszadeh, Decisions in Economics and Finance, May 2021, 44, pages 375–399, <https://doi.org/10.1007/s10203-021-00327-w>.
- “Assessing India’s productivity trends and endogenous growth: New evidence from technology, human capital and foreign direct investment” with P. Parab, Economic Modelling, Volume 97, April 2021, Pages 182-195.

BOOK CHAPTERS

- “The Role of Money in the Monetary Policy: A New Keynesian and New Monetarist Perspective” with M. H. Adil and N. Hatekar, 2021, Environmental, Social, and Governance Perspectives on Economic Development in Asia, International Symposia in Economic Theory and Econometrics, Volume 29A, Emerald.
- “Do Machine Learning Models hold the key to better Money Demand Forecasting?” with S. Agarwal, 2021, Environmental, Social, and Governance Perspectives on Economic Development in Asia, International Symposia in Economic Theory and Econometrics, Volume 29A, Emerald.



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Gupta Sargam

- The Role of Socioeconomic Status in Shaping Macroeconomic Beliefs of Indian Households. (2022). With Vidya Kamate (RBI), *Economic and Political Weekly*, Vol. 57, Issue No. 29, 16 July 2022.

Mishra Srijit

Journals

- Diptimayee Jena and Srijit Mishra (2022), "Growth and Decomposition of Nutri-cereals in India: 1960-61 to 2019-20," *Economic and Political Weekly*, 57 (18):10-13.
- Rashmi Rekha Samal and Srijit Mishra (2022) Food Security among Kandhas of Kandhamal, Odisha, India: A Mixed Method Study, *Journal of Asian and African Studies*, DOI: 10.1177/00219096221086525 (published online 06 Apr 2022).
- Diptimayee Jena and Srijit Mishra (2022a) Growth and Decomposition of Millets in Odisha: 1960-61 to 2019-20, *Agricultural Science Digest*, DOI: 10.18805/ag.D-5447 (published online, 07 Jan 2022).
- Srijit Mishra and Kaushiki Singh (2021), "Scale Neutrality in Indian Agriculture," *Economic and Political Weekly*, Review of Rural Affairs, 56(26&27): 7-13.

Working Papers

- Srijit Mishra (2021), "Methodological and Ethical Concerns in a Study on Effect of COVID-19 Vaccine among Health Care Workers in a Medical College of India," IGIDR Working Paper WP-2021-023, <http://www.igidr.ac.in/pdf/publication/WP-2021-023.pdf>.
- Srijit Mishra (2021), "'Herd Immunity, COVID-19 and Vaccination: Some Propositions,'" IGIDR Working Paper WP-2021-024, <http://www.igidr.ac.in/pdf/publication/WP-2021-024.pdf>.

Mythili G

- 'Complexity of Environmental Problems and Challenges for Governance', Chapter 2 of a Book (ed) Sarmistha Pattanaik, '*Governance in Sociology of Natural Resources in the Post-liberalization Phase: Issues and Perspectives from India*', Orient Blackswan (Forthcoming)
- 'Applied Economics' Chapter of a book (Eds.) Haddad, B. and Solomon, B.D. 'Dictionary of Ecological Economics' Edward Elgar:UK (Forthcoming)

Nandwani Bharti

- Community forestry and its implications for land related disputes: Evidence from India", *European Journal of Political Economy* 73 (2022): 102155
- "Local community composition and school provision in India", with Nishant Chadha, *Journal of Development Studies* (2021):1-21.
- Does increasing female representation in school management improve school quality, with Chandan Jain, *Ideas for India* (April 18, 2022)



Negi Digvijay S

- BIRTHAL, P. S., HAZRANA, J., NEGI, D. S., & BHAN, S. C. (2021). Climate change and land-use in Indian agriculture. *Land Use Policy*, 109, 105652.
- Negi, D., BIRTHAL, P. S., ROY, D., & HAZRANA, J. (2021). Crop choices in Indian agriculture: Role of market access and price policy. *Economics Bulletin*, 41(4), 2249-2256.
- Kumar, A., HAZRANA, J., NEGI, D. S., BIRTHAL, P. S., & TRIPATHI, G. (2021). Understanding the geographic pattern of diffusion of modern crop varieties in India: a multilevel modeling approach. *Food Security*, 13(3), 637-651.
- BIRTHAL, P. S., HAZRANA, J., NEGI, D. S., & PANDEY, G. (2021). Benefits of irrigation against heat stress in agriculture: Evidence from wheat crop in India. *Agricultural Water Management*, 255, 106950.
- BIRTHAL, P. S., HAZRANA, J., & NEGI, D. S. (2021). Impacts of climatic hazards on agricultural growth in India. *Climate and Development*, 13(10), 895-908.
- BIRTHAL, P. S., HAZRANA, J., & NEGI, D. S. (2021). Effectiveness of Farmers' Risk Management Strategies in Smallholder Agriculture: Evidence from India. *Climatic Change*, 169(3), 1-35.
- DUREJA, A., & NEGI, D. S. (2022). Coping with the consequences of short-term illness shocks: The role of intra-household labor substitution. *Health Economics*.
- BIRTHAL, P. S., HAZRANA, J., & NEGI, D. S. (2022). 19. Making Agriculture Climate Resilient: The Farmers' Way. *Sustainable Agricultural Innovations for Resilient Agri-Food Systems*, 63.
- AMALE, H. S., BIRTHAL, P. S., & NEGI, D. S. (2022). Delayed monsoon, irrigation and crop yields. *Agricultural Economics*.
- BRADFORD, S. C., NEGI, D. S., & RAMASWAMI, B. (2022). International risk sharing for food staples. *Journal of Development Economics*, 102894.
- NEGI, D. S. (2022). Global food price surge, in-kind transfers and household welfare: Evidence from India. *World Development*, 158, 106009.
- BIRTHAL, P. S., HAZRANA, J., NEGI, D. S., & MISHRA, A. K. (2022). Assessing benefits of crop insurance vis-a-vis irrigation in Indian agriculture. *Food Policy*, 112, 102348.

Pal Rupayan

- Satya Chakravarty, Manipushak Mitra, Suresh Mutuswami and Rupayan Pal "A vote share concentration based axiomatic characterization of the probability ratio index of electoral competition", *Journal of Income Distribution*, Special Issue in Honor of Prof. Nanak Kakwani. [Forthcoming]
- Rupayan Pal, Prasenjit Banerjee, Pratik Thakkar, AM Tanvir Hussain, 2022, "Green firm, brown environment", *Manchester School*, 90(2):107-121 [Wiley] <https://doi.org/10.1111/manc.12394>
- Upasak Das, Rupayan Pal and Udayan Rathore, 2021, "Evidence of Low Willingness to Pay for COVID Vaccines: A case for further subsidization", *Economic & Political Weekly*, 56(28), pp. 19-22. <https://www.epw.in/journal/2021/28/commentary/evidence-low-willingness-pay-covid-19-vaccines.html>
- Upasak Das, Udayan Rathore, Rupayan Pal, 2021, "On willingness to pay for Covid-19 vaccines: a case study from India", *Human Vaccines & Immunotherapeutics*, 17(12): 4904-4913 [Taylor & Francis] <https://doi.org/10.1080/21645515.2021.1989918>
- "Can states bring down vaccine prices? Yes, by coming together as a single buyer." *The Indian Express*. May 14, 2021.



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<https://indianexpress.com/article/opinion/columns/covid-19-second-wave-vaccination-price-shortage-7314175/>

Pandey Vijay Laxmi

- Chandrasekhar, S; Pandey, Vijay Laxmi and Sahoo, Soham (2022). Land Use and Cropping Decisions of Agricultural Households in India. Food Security, 14. 10.1007/s12571-021-01250-z.
- S. Mahendra Dev and Vijay Laxmi Pandey (2021). Dietary Diversification, Nutrition and Food Safety". In: Indian Agriculture Towards 2030: Pathways for Enhancing Farmers' Income, Nutritional Security and Sustainable Food Systems, edited by Ramesh Chand, Pramod Kumar Joshi and Shyam Kadaka. Pp 39-82.
- K. M. Singh, Nasim Ahmad, Vijay Laxmi Pandey and D. K. Sinha. Impact of National Horticulture Mission on Vegetables and Fruits Sectors of India. Indian Journal of Economics and Development. 18(1):66-75

Sarkar Jayati

- Childhood Morbidity in India: Prevalence and Risk Factors, with Dhritisree Sarkar, forthcoming in S. Mahendra Dev (Editor). India Development Report 2021, Oxford University Press.
- COVID-19 and The Corporate Sector: Winners, Losers, and What Lies Ahead, with Sudipto Dasgupta, Subrata Sarkar & Jiali Yan. In: Dutta M, Husain Z, Sinha A. K. (Editors). The Impact of COVID-19 on India and the Global Order. Springer, Singapore. https://doi.org/10.1007/978-981-16-8472-2_10

Ramaswamy K.V.

- K.V. Ramaswamy (2021). "Public Policy for Inclusive Growth and Spatial Disparities in India: Why is it such a Hard Nut to crack?" in Krishna Raj (Editor), Public Policy In India: Essays in Honour of Professor B. S. Sreekantaradhya', Rawat Publications: New Delhi
- K. V. Ramaswamy (2021). "Regional Concentration of Industries in India: What does the recent data say and how to understand the implications? A Perspective", in Mani S., Iyer C. G. (Editors). India's Economy and Society, Springer, Singapore.
- K.V. Ramaswamy, (2021). Impact of COVID-19: Micro, Small and Medium Enterprises in India, Pandemic Shock of COVID-19 and Policy Response: A Bird's Eye View, Korea Institute of International Economic Policy. (Opinion Paper).

Sharma Vinod K.

- The Effect of Energy Sector Reforms on Promotion of Renewable Electricity and Social Welfare. In India, submitted for publication to ERIA, Indonesia, March, 2022.



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Veeramani C.

- C. Veeramani and Purna Banerjee (2022), “Exchange rate fluctuations, labour laws, and gender differences in job flows: Analysis of manufacturing industries across Indian states”, *World Development*, 152.
- C. Veeramani and Garima Dhir (2022), “Do developing countries gain by participating in global value chains? Evidence from India”, *Review of World Economics*, 2022.
- C. Veeramani and P. G. Babu (2022), “Why Assemble in Tamil Nadu? Ideas from Trends in Global Trade” in P. G. Babu (Editor) *Economic Policy in Covid-19 Times*, *Orient BlackSwan*, 2022
- C. Veermani and Anwesha Basu (2021). “Lecvraging global supply chains to fight Covid-19” (with Anwesha Basu), *Ideas for India*, 17 June, 2021.
- Anjali Tandon and C Vccramani (2021) “Ihigher import tariffs will hurt Atmanirbharta” (with Anjali Tandon), *The Hindu Business Line*, 30 March
- C. Veermani, “Fix inverted tariff structures to boost industrial growth in India” (with Anwesha Basu), *Mint*, 27 January, 2021.



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IGIDR PUBLICATIONS

The Working Paper series (WP) contains research papers of IGIDR faculty and students.

Sr. No.	WP No.	Author(s)	Title
1	WP-2021-010	Ashima Goyal and Abhishek Kumar	Asymmetry, Terms of Trade and the Aggregate Supply Curve in an Open Economy Model
2	WP-2021-011	Ashima Goyal and Prashant Parab	Effectiveness of Expectations Channel of Monetary Policy Transmission: Evidence from India
3	WP-2021-012	Kajari Saha	The China trade shock and the gender wage gap in India: A district-level analysis
4	WP-2021-013	Nidhi Aggarwal, Sanchit Arora and Rajeswari Sengupta	Capital Account Liberalisation in a Large Emerging Economy: An analysis of onshore-offshore arbitrage
5	WP-2021-014	Ashima Goyal and Prashant Parab	Qualitative and Quantitative Central Bank Communications and Professional Forecasts: Evidence from India
6	WP-2021-015	Karthikeya Naraparaju, S. Chandrasekhar	Poverty Reduction in Rural India during 2004-05 to 2011-12: Role of Growth, Redistribution, and Population Shifts
7	WP-2021-016	Ashima Goyal	Using the snowball effect in Indian post Covid-19 paths to Fiscal Consolidation
8	WP-2021-017	Sumit Shrivastav	Price Discrimination with Imperfect Consumer Recognition
9	WP-2021-018	Nitin Harak and A. Ganesh Kumar	Pricing Reforms in Natural Gas Sector of India: A Computable General Equilibrium Analysis
10	WP-2021-019	Sumit Shrivastav	Profitability of Behaviour based Price Discrimination



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Sr. No.	WP No.	Author(s)	Title
11	WP-2021-020	Promit Kanti Chaudhuri	Strategic Inattention and Divisionalization in Duopoly
12	WP-2021-021	Aeimit Lakdawala and Rajeswari Sengupta	Measuring monetary policy shocks in Emerging Economies: Evidence from India
13	WP-2021-022	Ila Patnaik and Rajeswari Sengupta	Analysing India's Exchange Rate Regime
14	WP-2021-023	Srijit Mishra	Methodological and Ethical Concerns in a Study on Effects of COVID-19 Vaccine among Healthcare Workers in a Medical College of India
15	WP-2021-024	Srijit Mishra	Herd Immunity, COVID-19 and Vaccination: some propositions
16	WP-2021-025	Ashima Goyal	What does the COVID-19 experience tell us about Indian Growth Drivers?
17	WP-2021-026	S. Mahendra Dev	Beyond India @ 75: Growth, Inclusion and Sustainability
18	WP-2021-027	Anwesha Basu and C. Veeramani	Labour Share in Indian Economy: An Exploratory Analysis of the Role of Trade, Technology and Structural Transformation
19	WP-2022-001	Aakriti Mathur, Rajeswari Sengupta, Bhanu Pratap	Saved by The Bell? Equity Market Responses to Surprise COVID-19 Lockdowns and Central Bank Interventions in 2022
20	WP-2022-002	Bharti Nandwani, Chandan Jain	Female Representation in School Management and School quality
21	WP-2022-003	Ashima Goyal	Flexible Inflation Targeting: Concepts and Application in India
22	WP-2022-004	Ashima Goyal and Sritama Ray	Exploring Correlations between Aggregate Demand and Supply Shocks in India



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PROJECTS : EXTERNALLY-FUNDED RESEARCH PROJECT AT IGIDR

Sr. No.	Project Name	Funding Organisation
1	The Commuting Worker An Overlooked Aspect Of Rural-Urban Interaction: Evidence From India	Global Development Network
2	Capturing Features and Trends in NDF Markets for Emerging Economy Currencies	The Mayor and Commonality and Citizens of the City of London
3	Bankruptcy Legislative Reforms in India	British High Commission
4	Becoming a Young Farmer : Pathway of young people into Farming	University of Guelph
5	International Growth Centre for Assessing the Impact of Listing on Access to Finance for Small and Medium Enterprises	London School of Economics & Political Science
6	Promote Research Study of the Digital India Land Records Modernisation Programme	The National Council of Applied Economic Research (NCAER)
7	India Rural Development Report	Industrial Development Finance Corporation
8	NGO for Impact Assessment Study of Pradan's Intervention at Grassroots Level	Professional Assistance for Development Action (Pradan)
9	Financial Sector Regulatory Reforms	The Institute of Company Secretaries of India
10	Measurement of the Impact of Private Equity Investments	India Value Fund Associates
11	Measurement of the Impact of the Private Equity Investments	True North Managers LLP
12	Study on New Pension Scheme	Department of Pension and Pensioners' Welfare
13	NSE-IGIDR Intra-Day Finance Research Project	National Stock Exchange of India
14	NSE-IGIDR Research on Intra-day finance, with Data and Funding provided by NSE	National Stock Exchange of India
15	NSE-IGIDR - Corporate Governance	National Stock Exchange of India
16	NSE-IGIDR - Corporate Governance II	National Stock Exchange of India
17	NSE-IGIDR - Corporate Governance III	National Stock Exchange of India
18	NSE-IGIDR - Corporate Governance IV	National Stock Exchange of India
19	IGIDR-DEA Research Programme - 2018	Department of Economic Affairs
20	Household Finance Research	IFMR Finance Foundation



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Sr. No.	Project Name	Funding Organisation
21	Linkages between Commodity Spot and Derivatives Market	NCDEX Investor (Client) Protection Fund
22	Smallholders in Peri-Urban Agriculture: To What Extent Do Inclusion Modern Supply Chains Aid Their Survival?	Indian Council of Social Science Research
23	Research project on Reviewing the Existing System of Margin Computation for Derivatives Trading	Anand Rathi Global Finance Limited
24	Research Contract on "Market Microstructure"	Commodity Participants Association of India
25	MCX-IGIDR Research Contract	Multi Commodity Exchange of India
26	Collaboration for Digital Payments Policy	PayPal
27	Analyzing Cross-sectional Variations in Structure, Financing and Growth of Forms in India	Ministry of Corporate Affairs
28	Vision 2025 for NCLT: Strengthening the Judiciary in response to Changes in Corporate Laws.	Ministry of Corporate Affairs
29	Research Project Integration of Spot and Derivative Markets for Agricultural Commodities	National Bank for Agriculture & Rural Development
30	Building of Information Utility under the Insolvency and Bankruptcy Code, 2016	National E-Governance Services Ltd.
31	Academic Collaboration for Impact Assessment of Pilot Centres for Financial Literacy (CFL)	Reserve Bank Of India
32	Impact Assessment of Pilot Centres for Financial Literacy (CFL) Project - Collaboration with IGIDR for tribal blocks.	Reserve Bank Of India
33	Foreign and Commonwealth Office	British High Commission
34	Preliminary Work on Understanding Agricultural Procurement in India.	Gram Unnati Foundation (GUF).
35	Study of Rythu Bandhu Scheme	Omidyar Network Fund, Inc.
36	SPANDAN Project – Grants for Innovative Research Proposals	Bill and Melinda Gates Foundation, Seattle
37	Sustainable Urban Development – Smart Cities (NAGRIC Project)	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
38	Economic and Empowerment Impact of Millet Processing	University of Greenwich



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LIST OF WEBINARS HELD AT IGIDR FROM APRIL 2021 TO MARCH 2022

Date	Title	Speaker	Coordinator / Supervisor
7th April 2021, 4.00 p.m.	Urban Environmental Accounts	Ms. P. Bhanumati	Dr. Srijit Mishra
4th August 2021, 4:00 p.m.	Water and Agricultural Transformation in India: A Symbiotic Relationship	Dr. Mihir Shah	Dr. Srijit Mishra
25th August 2021, 4:00 p.m.	Sex Ratio at Birth in India	Prof. Abhishek Singh	Dr. Srijit Mishra
4th October 2021, 4.00 p.m.	A Welfarist Approach to Sequencing Problems with Incentives	Dr. Parikshit De	Dr. Srijit Mishra
25th October 2021, 4.00 p.m.	Household Finance in Developing Countries: Evidence from India	Dr. Pawan Gopalakrishnan	Dr. Srijit Mishra
27 October 2021, 4.00 p.m.	The COVID-19 Shock and Services Trade: Explaining the Heterogeneous Decline	Dr. Anirudh Shingal	Dr. Srijit Mishra
18th January 2022, 03.30 p.m.	Politicians, Promises and Citizens' Welfare: Evidence from a Lab-in-the-Field Experiment in India	Dr. Prasenjit Banerjee	Dr. Srijit Mishra
19th January 2022, 03.30 p.m.	Impact of Non-Farm Sector Income on Farm Productivity in India - A Theoretical Modelling and an Empirical Analysis	Dr. Anviksha Drall	Dr. Srijit Mishra
23rd March 2022, 4.30 p.m.	The OECD Weekly Tracker: Economic Nowcasting With Google Trends	Mr. Nicolas Woloszko	Dr. Srijit Mishra



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LIST OF CONFERENCES/WORKSHOPS/OTHER EVENTS HELD AT IGIDR FROM APRIL 2021 TO MARCH 2022

Conferences, Workshops and Training Programmes

Date	Title	Coordinator / Supervisor	Purpose
26 April to 14 May, 2021	ISS PO Training Programme, 42nd Batch	Prof. Chandrasekhar	Training Programme
15 December to 17th December, 2021	19th Annual Conference on Macroeconomics and Finance	Dr. Taniya Ghosh Dr. Sargam Gupta Dr. Rajeswari Sengupta Dr. Rajendra Vaidya Dr. Jayati Sarkar (Convener)	Conference
11 February 2022	Union Budget 2022-23	Dr. A. Ganesh Kumar	Round-table Discussion



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M.PHIL SYNOPSIS/ PH.D. PROGRESS SEMINARS APRIL 2021 – MARCH 2022

Date	Title	Speaker	Coordinator / Supervisor	Purpose
12 May, 2021, 4.30 p.m.	Some Issues in the Housing Situation in Mumbai Metropolitan Region	Kiran Limaye	Dr. Srijit Mishra	Ph.D. Viva Voce No.128
17 September, 2021 5.00 p.m	State Reorganization and Development: Evidence from Indian Experience	Vikash Vaibhav	Dr. K.V. Ramaswamy	Ph.D. Viva Voce No.129
20 September, 2021 4.30 p.m.	Essays on Investment Spikes, Operating Leverage and Working Capital Management	Anupam Naskar	Dr. Rajendra R. Vaidya	Ph.D. Progress Seminar
22 September, 2021 4.30 p.m.	Mergers, Efficiency, and Market Power: Three Essays in Banking and Finance	Ipsita Das	Dr. Subrata Sarkar	Ph.D. Proposal Evaluation webinar
23 September, 2021 4.30 p.m	Financial Intermediaries and Macroeconomics	Akash Kumar Baikar	Dr. Ashima Goyal	Ph.D. Viva Voce No.130
24 September, 2021 4.30 p.m.	Short-Term Migration and Education of Children in Rural India: A Study of Selected Aspects	Leena Bhattacharya	Dr. K.V. Ramaswamy	Ph.D. Viva Voce No. 131
13 October, 2021 4.30 p.m.	Conceptualization, Measurement and Impact of Quality of Primary Schools in India	Parul Saboo	Dr. Sudha Narayanan	Ph.D. Extension/ Re-Registration Webinar



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Date	Title	Speaker	Coordinator / Supervisor	Purpose
25 October, 2021 11.30 a.m.	Essays on Rural and Urban Employment Patterns in India	Vasavi Bhatt	Dr. S. Chandrasekhar and Dr. C. Veeramani	Ph.D. Synopsis Webinar
10 November, 2021 4.30 p.m.	Total Factor Productivity Change For Major Indian Crops and Impact of Input Subsidies	Yuvraj Kashyap	Dr. Vijaylaxmi Pandey	M.Phil. Progress Webinar
25 November, 2021 4.00 p.m.	New Perspectives on Global Trade Imbalances: Investigating the Role of Misalignments, External Spillovers and Domestic Structural Factors	Krittika Banerjee	Dr. Ashima Goyal	Ph.D. Viva Voce No.132
2 December, 2021 4.00 p.m.	An Essay on General Equilibrium	G. V. A. Dharanan	Dr. Anuj Bhowmik	M.Phil. Synopsis
22 December, 2021 10.30 a.m. via Zoom	Import Competition and Gender Wage Gap in India: A District Level Analysis	Kajari Saha	Dr. K.V. Ramaswamy	M.Phil. Viva Voce
23 December, 2021 11.00 a.m. via Zoom	Liquidity Management and Policy Transmission: Empirical Analysis for India	Vikas Charnal	Dr. Ashima Goyal	M.Phil. Viva Voce
4 January, 2022 4.40 p.m.	Three Essays on New Keynesian Economics	Abhishek Kumar	Dr. Ashima Goyal	Ph.D. Viva Voce No. 133
12 January, 2022 4.30 p.m.	Social Norms, Women's Education and Labour Market Decisions in India	Tanu Gupta	Dr. A. Ganesh Kumar	Ph.D. Synopsis Webinar
7 February, 2022 4.30 p.m.	Determinants of Farmers' Income and Diversification in India	Varun Kumar	Dr. A. Ganesh Kumar	Ph.D. Viva Voce No. 134



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Date	Title	Speaker	Coordinator / Supervisor	Purpose
23 February, 2022 4.30 p.m.	Well-Being of Unpaid Caregivers	Prasun Bhatta Mishra	Dr. Srijit Mishra	Ph.D. Progress Seminar
2 March, 2022 11.30 a.m.	Essays on Network Externalities in Oligopoly	Sumit Shrivastav	Dr. Rupayan Pal	Ph.D. Progress Seminar
9 March, 2022 4.30 p.m.	Essays on the Impact of Climate Risks	Pratik Thakkar	Dr. Rupayan Pal	Ph.D. Progress Webinar
11 March, 2022 11.30 a.m.	Exploring Correlations between Aggregate Demand and Supply Shocks in India	Sritama Ray	Dr. Ashima Goyal	M.Phil. Viva Voce
16 March, 2022 4.15 p.m.	Issues of Access and Opportunities in Informal Employment in India	Shreshti Rawat	Dr. M. H. Suryanarayana	Ph.D. Progress Webinar



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TRAINING SESSIONS FOR THE STAFF AT IGIDR April 2021 to March 2022

Sr. No	Topic	Speaker	Date	Time
1	Online Training Programme on Procurement of Goods & Services for IGIDR staff.	Mr. Ganesh Bhorkade	Thurs., 03.06.2021	3.00 p.m.
2	How to have a paperless office at the workplace in COVID-19 Pandemic	Mr. Lingaraj Panda	Thurs., 10.06.2021	3.00 p.m.
3	How to make an effective search on the Internet	Dr. S. M. Pujar	Thurs., 17.06.2021	3.00 p.m.
4	a) Streamlining Processes for Greater Efficiency: From Project Development to Project Closure and	Dr. A. Ganesh Kumar and Dr. S. Chandrasekhar	Wed., 23.06.2021	3.30 p.m.
	The Importance of Research Projects at IGIDR.			
5	Effective interaction between Staff and Students	Prof. Rajendra Vaidya	Thurs., 01.07.2021	11:30 a.m.
6	IQAC - Overview and Role of Staff in the Process of NAAC Accreditation.	Dr. Jayati Sarkar	Tues., 06.07.2021	3.00 p.m.
7	Interaction with our Formal Colleagues: Life after Retirement	Dr. G. K. Manjunath and Ms. Diana George (Former IGIDR Chief Librarian, Administrative Officer)	Wed., 07.07.2021	3.00 p.m.
8	Leadership	Dr. Razia Manjrekar, Leadership and Executive Coach	Thurs., 15.07.2021	3.00 p.m.
9	Update on Tax Reforms and New Tax Regulations	Mr. Mukund Bhambere	Tues., 20.07.2021	11:30 a.m.
	Time Management	Ms. Sneha Singh		



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Sr. No	Topic	Speaker	Date	Time
10	Office Management, Filing System and Digitalisation	Ms. Lavina D'Souza	Thurs., 22.07.2021	11:30 a.m.
	MS-Word - Advanced Utilities and tips	Mr. Mahesh Mohan		
	MS-Excel - Advanced Utilities and tips	Dr. Anjaneya Reddy		
11	Valedictory Session For Staff Training and Development Interactive Session	Prof. S. Mahendra Dev Director & Vice-Chancellor	Thurs., 05.08.2021	11:30 a.m.



VISITING SCHOLARS PROGRAMME

The Visiting Scholar Programme (VScP) has been instituted at the Indira Gandhi Institute of Development Research (IGIDR) as one of its outreach activities with the objective of supporting research being conducted by Ph.D. scholars and junior faculty members of Colleges and Universities in India. The scholarship enables up to five selected scholars to spend three months at a stretch at IGIDR to work on a proposal that can be satisfactorily completed during their stay. The proposal involves economic issues, including those related to energy and environment and its scope is such that the project can be completed in three months.

POST DOCTORAL FELLOWSHIP PROGRAMME

The Post-Doctoral Fellowship (PDF) Programme has been instituted in IGIDR as part of its outreach activities. Its objective is to support high quality research by scholars with a doctoral degree and an outstanding academic record. Up to three Fellowships are available per year. The Fellowships are granted for an initial period of one year, which can be extended by a maximum of one more year. The grantees would be independent to pursue their research plan, and are expected to produce at least one working paper per year, and give at least one seminar at IGIDR each year based on the work done by them at IGIDR.

VISITING STUDENTS PROGRAMME (SUMMER@IGIDR)

The IGIDR Visiting Students Programme is part of the Institute's mandate to reach out to the larger academic community, to foster interactions and nurture the capacity of students to undertake research. It is a programme for students in the first year of their Master's program (M.A., M.B.A., M.Com., M.Sc. and M.Stat.) or third year engineering (B.E., B.Tech.) who want to learn what academic research is all about and get hands on experience working with faculty researchers during the summer for a period of about 45 days at the IGIDR. Selected students are assigned a faculty supervisor to work with for the duration of their visit. Students are expected to produce a report at the end of their sojourn in the IGIDR.



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STUDENT RESEARCH TOPICS (ONGOING)

Name of the Student (Year of Registration)	Research Topic	Supervisor(s)	Committee Member(s)
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2010 External (Ph.D.)

Jignesh P. Raval (Part-time)	Regulations and Market Microstructure: Linkage through Earnings	Dr. Subrata Sarkar	Dr. Jayati Sarkar
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2011 (Ph.D.)

Ritika Palit (Part-time)	The Impact of Policies on West Bengal Agriculture, 1980 - 2013	Dr. Srijit Mishra	Dr. A. Ganesh Kumar Dr. V. Vamsicharan
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2013 (Ph.D.)

Parul Saboo (Part-time)	Conceptualisation, Measurement and Impact of Quality of Elementary Schools in India	Dr. Sudha Narayanan	Dr. Subrata Sarkar, Dr. Sripad Motiram
Heena Kapoor (Part-time)	Wage Rate Dynamics in India	Dr. M. H. Suryanarayana	Dr. Sudha Narayanan Dr. Ankush Agrawal

2015 (Ph.D.)

Shreshti Rawat (Part-Time)	Issues of Access and Opportunities in Informal Employment in India	Dr. M.H. Suryanarayana	Dr. Shubhro Sarkar, Dr. Sowmya Dhanaraj
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2016 (M.Phil.)

Rajshekhar P. (Part-Time)	National Urban Renewal Missions in India - Performance Evaluation of Major Metropolitan Cities	Dr. Sudhakar Yedla	
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2016 (Ph.D.)

Anwesha Basu (Part-Time)	International Trade, Growth and Labour Share: An Empirical Analysis	Dr. C. Veeramani	Dr. Sugata Marjit Dr. Digvijay Singh Negi
Hardeep Singh (Part-Time)	Essays on Monsoonal Delay and Agricultural Risk	Dr. G. Mythili	Dr. Digvijay Singh Negi Dr. Pratap S. Birthal
Prashant Parab (Part-Time)	Evolution of Expectations Channel of Monetary Policy Transmission: An Indian Experience	Dr. Ashima Goyal	Dr. Taniya Ghosh Dr. Sudha Narayanan
Tanu Gupta (Part-Time)	Social Norms, Women's Education and Labor Market Decisions in India	Dr. A. Ganesh Kumar	Dr. Subrata Sarkar Dr. Digvijay Singh Negi
Vasavi Bhatt (Part-Time)	Essays on Rural and Urban Employment Patterns in India	Dr. S. Chandrasekhar Dr. C. Veeramani	Dr. Ajay Sharma

2018 (M.Phil.)

Bijoy Ratan Ghosh (Part-Time)	Network Analysis of the Indian Stock Market: Satyam Saga	Dr. Rajeswari Sengupta	
Boluram Mogor (Part-Time)	Relative Effectiveness of Monetary Policy Transmission Channels: Evidence from India	Dr. Taniya Ghosh	
G. V. A. Dharanan (Part-Time)	An Essay on General Equilibrium	Dr. Anuj Bhowmik	
Pramit Dutta (Part-Time)	An Essay on Matching Theory	Dr. Anuj Bhowmik	
Sandipan Saha (Part-Time)	An Essay on Bargaining Sets	Dr. Anuj Bhowmik	



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Shakti Kumar (Part-Time)	The Effectiveness of Macro-Prudential Policies in the Face of Global Uncertainty – The Role of Exchange Rate Regimes	Dr. Taniya Ghosh	
Sritama Ray (Part-Time)	Exploring Correlations between Aggregate Demand and Supply Shocks in India	Dr. Ashima Goyal	

2018 (Ph.D.)

Abhishek Dureja	Health Shocks, Household Decisions and Role of Health Insurance	Dr. G. Mythili	Dr. Digvijay S. Negi Dr. Bharti Nandwani
Prasun Bhattamishra	Well-Being of Unpaid Caregivers	Dr. Srijit Mishra	

2019 (M.Phil.)

Ishita Varma (Part-Time)	Micronutrient Deficiency and Its Impact on Labour Productivity: Poverty Nutrition Trap in India	Dr. G. Mythili	
Rachana Das (Part-Time)	The Effect of Network Externalities on the Compatibility Decisions in Mix and Match Product Markets	Dr. Shubhro Sarkar	



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Kaustubh (Part-Time)	Essays on Growing Economic Inequality between the Indian States	Dr. Taniya Ghosh	
Shreyansh Vishwakarma (Part-Time)	Vulnerability and Climate Risk Assessment of India: A District Level Analysis	Dr. Sudhakar Yedla	
Aastha Kapoor (Part-Time)	Environmental Amenities and Nutritional Outcome in India: Linking Greenery with Child Anthropometry	Dr. G. Mythili	
Krishnandu Ghosh (Part-Time)	A Comparison of Standard Statistical, Machine Learning and Deep Learning Methods in Forecasting the Time Series	Dr. Dilip Nachane	
Soumik Ghosh (Part-Time)	Effects of Caste Fragmentation on School Dropouts in Indian Districts	Dr. Bharti Nandwani	
Japneet Kaur (Part-Time)	Competitive Equilibria and Robust Efficiency with Club Goods	Dr. Anuj Bhowmik	
Sheetal Saklani (Part-Time)	Minimum Wage Compliance and Employment Effects in Organised Manufacturing Sector - Evidence From India	Dr. Subrata Sarkar	
Madhuparna Ganguly (Part-Time)	Essays on Patenting Behaviour, Innovation and Scientist Mobility	Dr. Rupayan Pal	
Yuvraj Kashyap (Part-Time)	Total Factor Productivity Change for Major Indian Crops	Dr. Vijaylaxmi Pandey	



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2019 (Ph.D.)

Sumit Shrivastav	Essays on Network Externalities and Price Discrimination in Oligopoly	Dr. Rupayan Pal	Dr. Subrata Sarkar Dr. Gopakumar Achuthankutty
Vikas Choudhary	Energy Prices, Energy Productivity and their Determinants: An Empirical Investigation on India	Dr. Sudhakar Yedla	

2019 (Ph.D.) – Proposals under preparation

Balram Kumar	Agriculture, Diet and Nutrition: Three essays on Nutrition	Dr. Vijaylaxmi Pandey	
Varsha Vaishnav	Essays on Gender and Well-being	Dr. Srijit Mishra	
Yadavindu Ajit	Three Essays on Inflation Persistence	Dr. Taniya Ghosh	
Vijit Sonawane	Community Forest Rights and Socio-economic and Environmental and Outcomes	Dr. G. Mythili	
Surabhi Garg	Essays on Intrinsic and Instrumental Importance of Education	Dr. Srijit Mishra	
Himanshu Jaiswal	Assessing the Impact of Free Trade Agreements: Essays for India	Dr. A. Ganesh Kumar and Dr. C. Veeramani	



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2020 (Ph.D.)

Ipsita Das	Mergers, Efficiency, and Market Power: Three Essays in Banking and Finance	Dr. Subrata Sarkar	
Pratik Thakkar	Essays on the Impact of Climate Risks	Dr. Rupayan Pal	Dr. Sargam Gupta Dr. Manisha Jain

2021(Ph.D.)

Japneet Kaur	Learning Gaps During School Years - Evidence from Rural India	Dr. Subrata Sarkar	Dr. S. Chandrasekhar Dr. Supreet Kaur
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DEGREES AWARDED AND THESIS TITLE 2021-22

Ph.D. Thesis Title

Sr. No.	Name	Thesis Title
1	Kiran Limaye	Some Issues in the Housing Situation in Mumbai Metropolitan Region
2	Vikash Vaibhav	State Reorganization and Development: Evidence from Indian Experience
3	Akashkumar Baikar	Financial Intermediaries and Macroeconomics
4	Krittika Banerjee	New Perspectives on Global Trade Imbalances: Investigating the Role of Misalignments, External Spillovers and Domestic Structural Factors
5	Varun Kumar Das	Determinants of Farmers' Income and Diversification in India
6	Akhilesh Kumar Verma	Cross Border Flows, Macroeconomic Risks and Policy Rules in Emerging Markets
7	Leena Bhattacharya	Short-Term Migration and Education of Children in Rural India: A Study of Selected Aspects
8	Abhishek Kumar	Three Essays on New Keynesian Economics

M.Phil. Thesis Title

Sr. No.	Name	Thesis Title
1	Shraddha Yadav	Political Competition and Public Goods Provision: A Case Study of Bundelkhand Region of India
2	Kaushal Kumar Rajora	The Propensity for Financial Statement Fraud: An Empirical Analysis of Indian Firms
3	Mansi Sharma	Determinants of Inflation in India
4	Shiladitya Kumar	Electoral Competition with Credible Promises and Strategic Voters
5	Vikas Annasaheb Charmal	Liquidity Management and Policy Transmission: Empirical Analysis for India
6	Kajari Saha	Import Competition and Gender Wage Gap in India: A District-Level Analysis



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STUDENT BATCH 2021

M.Sc. 2021	
1	Ms. Amiti Raj
2	Ms. Archita Agarwal
3	Ms. Bhakti Nandlal Nikumbh
4	Mr. Deep Sachdeva
5	Mr. Deepesh Kumar Meena
6	Ms. Dipika Paul
7	Mr. Madhukar Kumar
8	Ms. Misha Sood
9	Mr. Nishad Pramod Nagpure
10	Ms. Poovitha Murugasamy
11	Ms. Poulomi Mukherjee
12	Mr. Prakash Rathor
13	Mr. Priyabrata Halder
14	Ms. Priyanka Singh
15	Mr. Raunak Prakash
16	Ms. Sharanya Mukhopadhyay
17	Mr. Shashi Ranjan Sandilya
18	Ms. Snigdha Tiwari
19	Ms. Sonali Pan
20	Ms. Sumana Kundu

21	Ms. Taanjul Jain
22	Ms. Yashna Kumar
23	Mr. Yashowardhan

Ph.D. 2021	
1	Mr. Abhishek Gors
2	Mr. Abhishek Singh
3	Mr. Ajay Saharan
4	Mr. Ankit Singh Kharwar
5	Ms. Anushka Nagar
6	Mr. Deepak Kushawaha
7	Mr. Raveendra Kumar
8	Ms. Roshin Paul P
9	Mr. Sandeep Yadav
10	Ms. Snigdha Kalra
11	Ms. Japneet Kaur
12	Ms. Shraddha Yadav
13	Ms. Sritama Ray
14	Ms. Ayushi Choudhary



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PLACEMENT CELL

Following the introduction of M.Sc. programme in IGIDR, a Placement Cell was constituted in 2004. The Placement process is coordinated by the Dean, Students Welfare, who is supported by faculty and student members of the Placement Committee. The Committee invites corporates, banks, research organizations, government and non-government institutions to recruit from IGIDR. The Committee also assists in the summer placement process for first year students. The average salaries offered to IGIDR students during the year 2021-2022 was 15.90 lacs per annum.

Sr. No	Name	Organisation	Designation
1	Mr. Adrish Majumdar	American Express	Management Trainee
2	Ms. Ananya Srivastava	American Express	Management Trainee
3	Mr. Avik Gupta	American Express	Management Trainee
4	Ms. Gaorima Nahata	American Express	Management Trainee
5	Ms. Kanika Bagree	American Express	Management Trainee
6	Mr. Ujjawal	American Express	Management Trainee
7	Ms. Srishti Singh	American Express	Management Trainee
8	Ms. Ashwani Sharma	Accenture AI	Data Analyst
9	Ms. Chitralekha Gaikwad	Accenture AI	Data Analyst
10	Mr. Manas Dixit	Accenture AI	Data Analyst
11	Ms. Roshni Roy	Accenture AI	Data Analyst
12	Ms. Vishal V Harry	Accenture AI	Data Analyst
13	Ms. Ami Rajesh Gandhi	PwC MC Analytics	Associate
14	Ms. Pratyasha Priyadarshnee Patel	PwC MC Analytics	Associate
15	Mr. Shuvam Das	PwC MC Analytics	Associate
16	Mr. Swarupjit Palit	Credit Suisse	Exempt Non-Officer
17	Mr. Debojit Roy	Accenture OPS	Analyst
18	Mr. Kanishk Khurana	Accenture OPS	Analyst
19	Mr. Abhishek Kumar (BHU)	Accenture OPS	Analyst
20	Mr. Abhishek Kumar (RU)	Citi (MRM)	Model Analyst
21	Ms. Ritika Paul	Citi (MRM)	Model Analyst
22	Mr. Neelesh Kumar	CRISIL	Management Trainee
23	Mr. Saurav Kumar	CRISIL	Management Trainee
24	Mr. Sagar Kumar	Experian	Management Trainee
25	Mr. Saurav Kumar Mahato	Analytical Wizards	Analyst
26	Mr. Anubhav Harsh	TRAI	Research Associate
Pre-Placement Offers			
27	Ms. Gunika Gambhir	American Express	Management Trainee
28	Mr. Aman Rathore	IDFC First Bank	Management Trainee
29	Ms. Mansi	PwC MC Analytics	Associate
30	Ms. Puja Mahato	PwC MC Analytics	Associate
31	Ms. Monalisa Poali	Citi (FP&A)	Model Analyst
32	Ms. Sanjana Mohan	Citi (FP&A)	Model Analyst



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INTERNAL ADVISORY COMMITTEES

Faculty Recruitment Advisory Committee

S. Mahendra Dev (Chairman)
Dean of Faculties (Convener)
Dean (Academic & Students Affairs)
(ex- officio)
C. Veeramani
G. Mythili
A. Ganesh Kumar
Rupayan Pal
V. K. Sharma

Executive Committee (Academic Affairs)

Director (Chairman)
Dean (Academic and Students Affairs)
C. Veeramani
Digvijay Singh Negi
Jayati Sarkar
Rajeswari Sengupta
Sudhakar Yedla

College Teachers Training Programme

Rupayan Pal (Convener)
Bharti Nandwani
Gopakumar Achunthankutty
S. Chandrasekhar
Srijit Mishra
Subrata Sarkar
Taniya Ghosh
V. K. Sharma

Publications

Jayati Sarkar (Convener)
Chief Librarian
Gopakumar Achunthankutty
Sudhakar Yedla
Systems Analyst
(Student Members)
Pratiksha Worlikar (in attendance)

Visiting Masters Students Programme

Shubhro Sarkar (Convener)
Dean (Academic & Students Affairs)
Digvijay Singh Negi
G. Mythili
Sargam Gupta
V. K. Sharma
Martha Lobo (in attendance)

Ph.D. Colloquia

Subrata Sarkar (Convener)
Bharti Nandwani
G. Mythili
S. Chandrasekhar
Sargam Gupta
Srijit Mishra
V. K. Sharma
Martha Lobo (in attendance)

Post-Doctoral Fellowship

Dean (Academic & Students Affairs)
(Convener)
Bharti Nandwani
K. V. Ramaswamy
Rajeswari Sengupta
Rupayan Pal
V. K. Sharma
Martha Lobo (in attendance)

Seminar

Srijit Mishra (Co-ordinator)
K.V. Ramaswamy
Rajeswari Sengupta
S. Chandrasekhar
Shubhro Sarkar
Sudhakar Yedla
Sayli Charatkar (in attendance)



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Visiting Ph.D.Scholars Programme

K. V. Ramaswamy (Convener)
Dean (Academic & Students Affairs)
Sudhakar Yedla
Gopakumar A.
S. Chandrasekhar
Sargam Gupta
Jayshree Borkar (in attendance)

IT Systems and Office Technology

Registrar (Convener)
A Ganesh Kumar
K.V. Ramaswamy
Manisha Jain
Vijay Laxmi Pandey
Finance Officer
Systems Analyst (Co-ordinator)

Student Placement *

Dean (Academic & Students Affairs)
Convener
Sargam Gupta
Shubhro Sarkar
Subrata Sarkar
Vijay Laxmi Pandey
Martha Lobo (in attendance)

Students' Welfare and Grievance Committee (SWGC)

Dean, Academic & Students Affairs
A. Ganesh Kumar
C. Veeramani
G. Mythili
Manisha Jain
Registrar
Fabina D'Mello (in attendance)

Macroeconomics and Finance Committee

Jayati Sarkar (Convener)
Rajeswari Sengupta
Sargam Gupta
Taniya Ghosh
Rajendra Vaidya
Martha Lobo

Internal Complaints Committee for the Prevention of Sexual Harassment at Workplace

G. Mythili (Presiding Officer Chairperson)
C. Veeramani
Manisha Jain
Ranjana Jha
Samir Parab
Urmila Salunkhe (Sr. Program Officers, Akshara)
Prof. Pushpa Trivedi (IIT, Faculty)

Library*

A. Ganesh Kumar (Convener)
Bharti Nandwani
Digvijay Singh Negi
Manisha Jain
Rupayan Pal
Srijit Mishra
Chief Librarian (Co-ordinator)

Sports Committee*

Digvijay Singh Negi – Convener
Administrative Officer
Ananthi T. S.
Gawde Narayan
Lavina D'Souza
Sargam Gupta
Shubhro Sarkar
Tanmay Joshi



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Research Ethics Committee

Dean, Academic and Students Affairs

Digvijay Singh Negi

Subrata Sarkar

Taniya Ghosh

Vijay Laxmi Pandey

Archana Sharma (in attendance)

Canteen Committee*

Registrar-Convener

Gopakumar Achunthankutty

Jayati Sarkar

Rajendra Vaidya

Taniya Ghosh

Systems Analyst

Administrative Officer (Co-ordinator)

Estate Officer – in attendance

Jayshree Borkar – in attendance

Dean of Academic Affairs and Student

Affairs: Rajendra Vaidya till 30th

September 2021

Dean of Academic Affairs and Student

Affairs: Srijit Mishra from 1st October

2021

Other Student Committees include

Alumni, Newsletter, Cultural Committee,

SPIC MACAY and Movie Committees

*The Committees include student members



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LIBRARY AND INFORMATION SERVICES



The IGIDR Library is rapidly building up to be one of the leading professional research and reference libraries in the country. All bibliographic details of books, journals and CD-ROM databases are accessible through the campus-wide Ethernet network. The library has over 105773 printed documents, 219 E-Books and it subscribes to over 411 national and international journals.

Some of the important CD-ROM and Online databases subscribed by the library are:

- Annual Survey of Industries
- Census, 2001 and 2011
- CEIC – Global Database
- Comtrade
- Economic Census
- EconLit
- EPWRF Statistical Databases
- IMF Stat Databases [Free]
- Indiatat.com
- JSTOR
- Monthly Statistics of Foreign Trade [MSFT]
- National Sample Survey [NSS]
- Oxford University Press Journals [Economics]
- Science Direct [EEF Series]
- UNIDO Industrial Statistics
- World Bank Statistics Databases [Free]

It has established contacts with over 100 national and international organisations for exchange of the Institute's publications and inter-library loan arrangement.

The library homepage on internet provides links to various websites, which are of importance to economists. Access to electronic journals, union catalogues of periodicals, library catalogues, journal holdings, current journals, etc. have also been provided from this homepage. The theme '**Indian Economy**' provides links to various internet resources related to the Indian economy.

The Library has developed an online **Union catalogue** of journal holdings, the data for which comes from **18** major Business and Economics libraries of the country. The union catalogue has provided a platform for sharing resources among selected libraries. Library under its online portal '**Open Index Initiative**' (<http://oii.igidr.ac.in>) has developed a searchable database for an index to articles published in Indian social science journals. The database contains about 80250 records covering more than twelve years' data (2000 - 2021).

Electronic Library which was initiated during the year 2006 now has 33252 e-documents in it and the entire collection is accessible through the campus-wide network. The Electronic Library aims to collect working papers, statistical data, Government publications etc. It also intends to have, in its collection, all the theses submitted to the Institute by M.Phil. and Ph.D. students.



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The Library has also developed the Institutional Repository '*Kautilya*' (<http://oii.igidr.ac.in:8080/xmlui>) using open source software *DSpace*. The repository contains full-text working papers of the Institute, abstracts of theses submitted to IGIDR and proceedings of conferences organised at and by IGIDR.

Library Staff Publications:

Conference Papers:

Pujar S. M. (2021). Open data in Social Sciences: A Study. Presented at 4th LIS Academy Conference on 'Open Scholarships and Libraries', 6 - 8 January, 2022, VTU, Belagavi ISBN: 978-81-949096-4-4

Reddy Anjaneya N. M. and Shilparani N. R. (2021). Open data and APIs: Data extraction and exploration using Python. Presented at 4th LIS Academy Conference on 'Open Scholarships and Libraries', 6 - 8 January, 2022, VTU, Belagavi ISBN: 978-81-949096-4-4

Journal Articles:

Reddy Anjaneya N. M. (2021). The copyright trends in India, and the level of copyright awareness among academic Librarians, Library Philosophy and Practice (E-Journal), 5974. September, 2021

Reddy Anjaneya N. M. and Pujar S. M. (2021). Skill Development and Librarians: A Study. Indian Journal of Information, Library & Society. V.34, No.1 - 2.



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IT FACILITIES

The IT facilities at IGIDR include a state-of-the-art technology Computer Centre with the latest hardware, networking equipment, software and help desk facilities. The whole campus is networked by Ethernet-based LAN on a fibre optic segmented backbone and connected to the Internet through 300 MBPS leased line. The campus is also covered with the latest WiFi network. The Institute has Intranet, VPN access and provides messaging and collaboration services through Google Workspace and Microsoft Office 365 for all users. Online classes and meeting facilities are provided through Microsoft Teams and ZOOM. The campus network has been extended to the residences of the employees.

Hardware

The Computer Centre is equipped with high-end Servers, storage with Desktop Virtualization Infrastructure (VDI), Hyperconverged Infrastructure, Server Virtualization and Intel based multimedia workstations, switches, routers, Firewall, WiFi access points for campus-wide network connectivity. In addition to several Multifunctional Printers (MFP) in the faculty and staff offices, the printing facilities also include high-speed Network HP Laser printers, in each office block including the Computer Centre (CC). The Computer Centre also provides total backup solutions for users data through various backup devices viz., Cloud storage, Network storage, DVD writer, Pen Drive, and USB HDD. Colour scanners, visualizers and LCD projectors, Audio and Video conference systems have been provided to assist the users in creating and presenting multimedia presentations and participating in video conferences.

Software

The servers are powered latest LINUX, Windows Server Operating systems and the workstations are loaded with Linux (viz. Ubuntu, Fedora), and Windows 10/11 OS. The Computer Centre provides all standard Econometrics and Statistical packages such as SAS, RATS, STATA, MATHEMATICA, MATLAB, EVIEWS etc. under Linux and Windows environments and office automation packages like MSOffice/OFFICE 365 under Linux/ Mac/Windows environments.

In addition to the above software, the Institute subscribes to corporate databases such as PROWESS, CAPITAL LINE, INDIASTAT.COM and various other national and international databases. The Computer Centre conducts various training and orientation seminars/lectures on several computer-related topics, software, databases and on new IT technologies implemented at the Institute to enhance and upgrade the computer skills of the user community of IGIDR.



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APPENDIX: FINANCIAL STATEMENT

Details of income and expenditure during the year 2021-2022 are indicated below:

Income	Rs. in Lakhs	Rs. in Lakhs
a) Contribution from Reserve Bank of India	2399.38	
b) Fees received from students	37.20	
c) Income from projects and consultancies	13.92	
d) Interest on bank deposits	15.75	
e) Miscellaneous receipts	41.39	
		2507.64
Expenditure	Rs. in Lakhs	Rs. in Lakhs
a) Revenue Expenditure		
i) Salary	1483.4	
ii) Maintenance expenditure	744.56	
iii) Library books and journals	264.89	
		2492.85
b) Capital Expenditure		
i) Computer systems	14.22	
ii) Furniture/office equipment (net)	0.57	
		14.79
Total of (a) and (b)		2507.64



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