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CENTRE FOR DEVELOPMENT ECONOMICS

THE TWENTY - EIGHTH ANNUAL REPORT

(April 2020 - March 2021)



Centre for Development Economics

Delhi School of Economics, University of Delhi, Delhi 110007

Phone: +91 11 27008100. Fax: +91 11 27667159

E-mail and website: office@econdse.org, <http://cdedse.org>

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1. INTRODUCTION

The Centre for Development Economics (CDE) was established as a non-profit society in 1992. It began effectively functioning from early 1993, with the full range of activities picking up only in late 1993 after it received an endowment grant from the Ministry of Finance, Government of India. It is located at the Delhi School of Economics. The Centre promotes collaboration with other institutions and individuals interested in economics and development policy. It acts as a research adjunct to the Department of Economics, augmenting the infrastructure and providing research support. It hosts visitors, organizes conferences and workshops, houses faculty research projects, offers fellowships to masters and doctoral students, and engages with the government on matters of economic policy.

The CDE also runs an active seminar series, holds occasional public lectures in collaboration with the Department of Economics, and publishes a working paper series to disseminate research by its members and their collaborators. A nationally recognized flagship event of CDE is its annual Winter School. It comprises invited lectures by internationally renowned economists including Nobel Laureates, and contributed papers by early career researchers who get an opportunity to be mentored by experts.

The Centre has a well-equipped computer lab with latest software and hardware for meeting the research and training needs of MA, MPhil and PhD programs of the Department of Economics. It also has an archive of major data sets and a library for use by local researchers. The Centre is managed by a Council of eight members, elected for a two-year term from among the members of CDE, who are all faculty and ex-faculty of the Department of Economics.

The activities of CDE are funded by interest income from two endowment grants from the Ministry of Finance, from project income, and from contributions by individuals and institutions interested in promoting the goals of the Centre. In addition to the endowment grant in 1993, the Centre received a corpus fund from the Ministry of Finance in 2012 for hosting visitors and awarding fellowships for doctoral and post-doctoral students. It has also received project support from various ministries of the Government of India, the Reserve Bank of India, ICSSR, the European Union, the Bill and Melinda Gates Foundation, and the Research Council of Norway, among others.

During the period April 2020 to March 2021, members of the department continued to contribute to the field of economics and development studies in significant ways. Several faculty members published their research in leading national and international academic journals. They also participated in policy debates through writings in popular journals and newspapers. The Department remains a UGC Centre of Advanced Study. For the eighth consecutive year, it was ranked the highest amongst university economics departments in India by RePEc, a global electronic archive of working papers and publications in economics (<https://ideas.repec.org/top/top.india.html>). Faculty members also participated in several national and international conferences. During the year under review, despite the dislocation caused by the Covid-19 pandemic, the CDE organized its annual Winter School and maintained its weekly seminar series that brought in many distinguished speakers.

The composition of the current Council for the period 2021-2022 is:

Aditya Bhattacharjea	Ram Singh
Executive Director	Managing Director
Sunil Kanwar	Paramjit
Secretary	Treasurer
Pami Dua	Dibyendu Maiti
Member	Member
Uday Bhanu Sinha	Surender Kumar
Member	Member ex-officio (Head, Economics Department)

The following staff members support the activities of CDE:

Deepika Garg	Rajesh Papnai
Manager	Senior Office Assistant
Raju Chauhan	Sonveer Vats
Systems Administrator	Junior Systems Administrator
Mritunjay Singh Bisht	Ashok Kumar
Office Assistant	Junior Office Assistant

CDE accounts are maintained by chartered accounts **Jayaraman & Co.** and are audited by the firm **Khanna & Annadhanam**. The accounts are periodically audited by the Comptroller and Auditor General of India.

2. CONFERENCES AND WORKSHOPS

WINTER SCHOOL 2020

Winter School 2020 was jointly organized by the Centre for Development Economics (CDE), the Econometric Society, and the Department of Economics at the Delhi School of Economics (DSE), with financial support from EXIM Bank and others. It was held over the period December 14-17, 2020 in virtual mode.

Participants in the Winter School were selected largely from graduate students and junior faculty who responded to a Call for Papers. From about 250 high-quality submissions, 162 were chosen, and their authors were invited to attend the lectures as well as present their papers as contributed, conference talks.

There were approximately fifty-one participants from Indian institutions, ten from other Asian countries, thirty-seven from Europe, and sixty-four from America and Australia. Their papers spanned a broad set of fields, including Microeconomic Theory, Game Theory, Macroeconomics, Econometric Theory, Labour Economics, Industrial Organization, International Trade, Choice Theory, Gender Discrimination, Auction, Market Design, Information, Development Economics, Environmental Economics, Education, Pandemic, Monetary Policy, Political Economy, and Public Economics. Thanks to a generous grant from the Econometric Society, prizes were awarded to the best four papers.

The following lectures were given by the invited speakers:

- **Pol Antràs (Department of Economics, Harvard University):**

International Economics and Applied Theory

Webpage: <https://scholar.harvard.edu/antras/home>

Slides:- [here](#)

- **Pascaline Dupas (Department of Economics, Stanford University)**

Development Economics

Webpage: <https://web.stanford.edu/~pdupas/>

Slides:- [here](#)

- **Vijay Krishna (Department of Economics, Penn State University):**

Economic Theory, Auction

Webpage: <https://econ.la.psu.edu/people/vxk5>

Slides:- [here](#)

- **Martin Uribe (Department of Economics, Columbia University, USA):**

International Macroeconomics, Macroeconomics, Monetary Economics

Webpage: <https://econ.columbia.edu/econpeople/martin-uribe>

Slides:- [here](#)

4. FELLOWSHIPS AND SCHOLARSHIPS

POST-DOCTORAL FELLOWSHIP

The CDE instituted a post-doctoral fellowship in 2015. Recent PhD graduates as well as those who have submitted their PhD thesis but are yet to be awarded their degree are eligible. The fellowship helps the candidate engage in research before holding a formal academic position. During 2019-20 the fellowship was awarded to **Dr. Dyotona Dasgupta (ISI, New Delhi)**. Due to the prevailing situation on account of the Covid-19 pandemic, it was not possible to host a post-doctoral fellow during 2020-21.

DOCTORAL FELLOWSHIPS

The CDE offers monthly stipends to meritorious doctoral candidates who are not in receipt of any other financial support. The fellowship is offered to one student from each cohort for a period of up to five years.

KRISHNA RAJ TRAVEL FELLOWSHIPS

In 2006, the Sameeksha Trust established the Krishna Raj Summer Travel Fellowships, in memory of the longest serving editor of Economic and Political Weekly (EPW). It has been housed at CDE since its initiation. Under this programme masters students from Economics, Sociology and Geography conduct fieldwork-based short research projects, either individually or in groups. Inter-disciplinary research collaborations are particularly encouraged. This research is conducted in the summer vacation and is followed by a written report and presentation. Some of the best papers from this fellowship have been published in the EPW over the years. Due to the prevailing situation which made it impossible to send students out for fieldwork, the fellowships were not awarded in 2020-21.

M.A. SCHOLARSHIPS

CDE houses the Suresh Tendulkar Fund from which two masters scholarships are awarded annually in memory of the late Prof. Tendulkar. In 2019, the Arjun and Jayashree Sengupta Scholarship was endowed by Mrs. Jayashree Sengupta, in memory of her husband Prof. Arjun Sengupta. It is to be awarded every year to a woman student in the first year of the M.A. class. After Mrs Sengupta passed away in 2020, the scholarship was renamed in both their names at the request of their daughter, Prof. Madhura Sengupta. These scholarships are awarded in consultation with the Department of Economics.

5. ONGOING RESEARCH PROJECTS

PUBLIC POLICY RESEARCH SUPPORT GRANT

Principal Investigators:	Mausumi Das, Parikshit Ghosh, and Rohini Somanathan (all at CDE)
Funding agency:	Bill and Melinda Gates Foundation
Project tenure:	November 2017 - December 2021

The two objectives of the BMGF grant have been to (a) build capacity and (b) generate new findings in the field of public economics, especially related to health, inequality and gender. The project was due to close in October 2020 but has been extended to December 2021 in view of the difficulties in continuing project activities during the pandemic.

Over the course of the past year, two book chapters have been written related to public policy in the context of the pandemic, one by Mausumi Das and the other by Parikshit Ghosh. These are a part of an edited collection on the pandemic. The grant has funded the curation of data on the COVID-19 data portal hosted in collaboration with Siva Athreya in Bangalore. This has been accessed by many researchers and there has also been active engagement with the Karnataka government on their surveys and providing them with tools that find inconsistencies in government data sources. In addition, the grant has supported research on the Apni Beti Apna Dhan program in Haryana on the age of marriage.

INTERNATIONAL TRADE, UNEVEN GAINS AND THE ROLE OF ICTS

Principal Investigators:	Dibyendu Maiti (CDE) jointly with Dr. Kenmei Tsubota, Institute of Developing Economics, Japan External Trade Organization, Japan
Funding agency:	Indian Council of Social Science Research (ICSSR) India & Japan Society for Promotion of Science (JSPS)
Project tenure:	April 2020 - March 2022

This work proposes to investigate whether access to ICTs reduces uneven gains from trade between regions, locations and income groups. Better understanding of the distributional impact of international trade is one of the prime tasks pursued in the recent literature of international economics. Following classical trade theorems, unambiguously, all individuals are supposed to get a pie from this gain. However, the question remains about the nature of the distribution of this

gain. Under heterogeneity and imperfect markets, the benefit from trade across individuals depends on the extent of heterogeneity and the degree of market imperfections (Melitz, 2003; Neary, 2016). However, ICTs innovations offer knowledge dissemination effectively and ease the functioning of markets by reducing transactions costs (Goldfarb and Tucker, 2019). One set of the literature shows that the ICTs have reduced the disparity. According to the Global Information Technology Report 2015, using data for 86 countries from 1980 to 2011, a 10 % increase in broadband penetration results in a 1.35 (1.19) % increase in GDP growth in the developing countries (developed economies). According to another set of literature, access to ICTs is not distributed equally across various individuals between income groups, regions, locations due to the variation of accessibility and affordability among them. Thus, the digital divide turns to be a factor limiting social wellbeing. If the access to ICTs systematically varies widely across groups, trade gains must be further uneven. If the lagged groups of people are benefited more than the rest, the gains would be even and pro-poor. Therefore, this research aims, (i) to explore the mechanism and show evidence on uneven gains from trade across regions, locations and individuals due to the uneven access to the markets and ICTs (Information and Communication Technologies), and (ii) to investigate the interaction effect of ICTs innovations and trade integration on the bilateral flows between India and Japan.

DOES PRIVATIZATION IMPROVE QUALITY OF ROADS? EVIDENCE FROM INDIA

Principal Investigators: Ram Singh (CDE), Edward Glaeser (Harvard University) and Andrei Shleifer (Harvard University)

Funding agency: Harvard University

Project tenure: March 2020 - May 2021

Does private participation improve quality of roads? The project research aims to examine this question and various issues by examining Public Private Partnerships (PPPs) in road construction. Many highway (interstate road) projects in India have been built with private sector firms in the dominant role for building and maintenance of the roads. In a typical 'private' road, the contractor firms take responsibility to build the roads. The contractor firms are required to fund the project upfront. Moreover, the contractors are responsible for the upkeep of the roads during operation and maintenance phase of the project. In other words, private roads are built by delegating to the contracting firms most of engineering, control and management's decision related to building and maintenance of road assets, though the government retains de-jure the ownership rights over the roads. The project investigates the following issues related to privatization of roads. Are private highways better maintained than public highways? Why might PPP roads be better maintained in India? Do PPP contractors expend effort to destroy values of substitute facilities? What are the key take-aways from the Indian experience with PPPs from a policy view point?

CHALLENGING INEQUALITIES: AN INDO-EUROPEAN PERSPECTIVE

Principal Investigators:	Ashwini Deshpande and Rohini Somanathan (CDE); Arunava Sen and Abhiroop Mukhopadhyay (Indian Statistical Institute Delhi); Shabana Mitra (Indian Institute of Management Bangalore).
Funding agency:	European Union and ICSSR
Project tenure:	January 2019 - December 2021

This project is based across four countries: India, UK, Norway and France, under the aegis of the EU-India Platform for the Social Sciences and the Humanities (EQUIP). The funding for the Indian component comes from the Indian Council for Social Science Research. Multiple researchers are working collaboratively on a range of sub-themes under the overall theme of inequality, such as measurement of inequality, attitudes towards inequality and fairness, and policies to mitigate inequalities.

Ashwini Deshpande (in collaboration with Veronique Gille and Rajesh Ramachandran) is working on an experiment to gauge attitudes towards affirmative action in order to understand whether beneficiaries are stigmatised on account of their group identity or because of preferential treatment. The project also seeks to understand if beneficiaries of class or means- based AA are as stigmatised by their peers as those receiving group based preferential treatment.

Abhiroop Mukhopadhyay is working on spatial inequalities. This project sought to calculate and understand drivers of local inequalities. Predictions of these spatial inequalities have been completed using machine learning and step-wise regression prediction methods. The latter was found to do better given the data in India. The village level inequalities, predicted by our model, are being currently validated using SECC village data that reports measures of income for one year of the period of our study. Once completed, the project will enter its final phase of understanding the drivers of these inequalities.

Arunava Sen (with Nicolas Gravel and Sarvesh Bandhu) is working on Theoretical Measures of Segregation. Segregation is obviously an important aspect of social relations in a society. It has however, received less theoretical attention than for instance, various forms of inequality. The project is working on developing a segregation index, which would indicate the "lack of interaction" between communities. The authors are working on analysing the relationships between concrete measures of segregation.

DISAGGREGATED INDUSTRY LEVEL PRODUCTIVITY ANALYSIS FOR INDIA: THE KLEMS APPROACH

Principal Investigators:	K. L. Krishna (CDE), Deb Kusum Das (Ramjas College, University of Delhi), B N Goldar (IEG), Suresh Aggarwal (University of Delhi), Abdul Azeez Erumban (University of Groningen) and Pilu Chandra Das (Kidderpore College, Kolkata)
Funding agency:	Reserve Bank of India
Project tenure:	January 2015 – April 2021

The objective of the project is measurement and analysis of factor productivity in 27 industries comprising the Indian economy since 1980-81. The project uses the KLEMS methodology developed by Dale Jorgenson (Harvard University) and his associates, as part of the World KLEMS Initiative, which has been implemented in many countries across the world. Datasets on measures of output and factor inputs for the years 1980-81 onwards are being constructed for 27 industries, broad sectors and the total economy, using official data sources, such as NAS (National Accounts Statistics), ASI (Annual Survey of Industries), NSS Employment-Unemployment Surveys/Periodic Labour Force Surveys and Input-Output Tables (CSO).

The following outputs are part of the India KLEMS project during the year 2020-21.

- 1** Training Program for Staff of Reserve Bank of India on constructing the India KLEMS dataset.
- 2** Submission of India KLEMS dataset and Manual 2020.
- 3** Research papers-
 - “Labour Income Share in Indian Industries: 1980-2017”, by Bishwanath Goldar, Suresh Aggarwal and Pilu Chandra Das
 - “Internal Rate of Return in Indian Industries: Estimates Using KLEMS Data”, by Abdul Azeez Erumban
- 4** Conference Presentation: 6th World KLEMS Conference, Harvard University, organized by World KLEMS Committee, held in virtual mode on March 1, 2021.
 - i. Deb Kusum Das and Samiran Dutta presented a paper, “Industry Origins of Growth and Productivity in India: The Manufacturing Story”
 - ii. Abdul Azeez Erumban et al presented a paper, “Levels and Growth Rates of Sectoral Productivity: A Comparison of India and China”
- 5.** The *India Growth and Productivity Report* is currently in its editing and finalization stage.

6. COMPLETED RESEARCH PROJECTS

ICT, RESPONSIBLE INNOVATION AND WELL BEING

Principal Investigators:	Dibyendu Maiti (CDE) and Uday Bhanu Sinha (CDE)
Funding agency:	Norwegian Institute of International Affairs and TIK, University of Oslo
Project tenure:	May 2017 - Dec 2020

Proliferation and continuous innovation in the domain of information and communications technology (ICT) have had a profound and lasting impact on our human society and economy. With regard to the latter, ICT has had a deep impact on wellbeing as well as economic outcomes such as income, employment, productivity, trade flows and sectoral dynamics. This project focused on some of these aspects with special reference to India and other developing countries. In this project, the researchers published eight articles and one edited book.

7. HONOURS/DISTINCTIONS

BANERJI, ABHIJIT

- Associate Editor, *Indian Economic Review*

BHATTACHARJEA, ADITYA

- Member, Board of Studies, Economics Division, Indian Institute of Foreign Trade (Deemed University), 2017 – present.
- Member, Board of Studies, Faculty of Economics, South Asian University, 2020 – present.
- Member, Editorial Board, *Indian Economic Review*
- Member, Editorial Advisory Board, *Indian Journal of Labour Economics*

DUA, PAMI

- Distinguished Alumni Award (Honorary, Category: Friend of DEI), Dayalbagh Educational Institute, 2021
- Member, Monetary Policy Committee, Reserve Bank of India, 2016 to 2020

Editorial Board

- *Indian Economic Review*
- *Journal of Quantitative Economics*
- *Journal of Developing Areas*
- *Reserve Bank of India Occasional Papers*
- *Journal of Social and Economic Development*

Other

- Member, UGC Expert Group on Research, Innovation and Rankings, 2020
- Member, Governing Council, Centre for Advanced Financial Research and Learning (CAFRAL)
- Member, Governing Council, Madras Institute of Development Studies
- Member, Governing Body (Board of Management), Dayalbagh Educational Institute

GUPTA, SHREEKANT

- President, Indian Society for Ecological Economics
- Associate Editor, *Indian Economic Review*
- Editorial Board, *Agricultural and Resource Economics Review*
- Editorial Board, *Environment and Urbanisation, Asia Journal*
- Lead Author, Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report

KUMAR, SURENDER

- Associate Editor, *Frontiers in Climate - Climate and Economics*, since March 2021
- Associate Editor, *Ecology, Economy and Society—the INSEE Journal*, since March 2019

- Guest Editor, Special Issue on ‘Productivity Growth in India’, *Indian Growth and Development Review*, 2020
- Member, Editorial Board, *Economics of Disasters and Climate Change*
- Member, Editorial Board, *Indian Economic Review*, since 2015

MAITI, DIBYENDU

- Associate Editor, *Progress in Development Studies*

MEENAKSHI, J V

- Associate Editor, *Indian Economic Review*

SINGH, RAM

- Member, Board of Governors, the Indian Institute of Corporate Affairs, Ministry of Corporate Affairs, Government of India

SINHA, UDAY BHANU

- Editor-in-Chief, *Indian Economic Review*
- Member, Academic Council, Institute of Economic Growth

8. FACULTY PUBLICATIONS

ARTICLES AND BOOK CHAPTERS

ABHIJIT BANERJI

- “Reverse Endowment Effect for a New Product”, *American Journal of Agricultural Economics*, 102(3), May 2020 (with J. Rampal)

ADITYA BHATTACHARJEA

- “Inverted Duty Structures and the Paradox of Negative Effective Protection in India, 2000-2014”, *Foreign Trade Review*, 55(2): 139-167, 2020 (with Kanika Pathania)
- “Labour Market Flexibility in Indian Manufacturing: A Critical Survey of the Literature”, *International Labour Review*, forthcoming.

ANISH GUPTA

- “Globalising Agrarian Markets and Changing Production Relations: Village-Level Evidence from India”, in *Land and Livelihoods in Neoliberal India* (pp. 103-121). Palgrave Macmillan, Singapore, 2020.
- “UNHCR’s Populations of Concern: Where Does India Stand?”, in *Social Welfare in India and China: A Comparative Perspective*. Palgrave Macmillan, Beijing, China, 2020 (with Uma Jadhav)
- “Fiscal Space and Union Budget 2020-21”, *Economic and Political Weekly*, forthcoming.

DIBYENDU MAITI

- “Economic System, Viral Outbreaks, and the Crisis”, *Breakthrough - A Journal on Science and Society*, 22(1), 2020
- “ICT Exposure and the Level of Wellbeing and Progress: A cross-country analysis”, *Social Indicators Research*, 147(1):311-343, 2020 (with A. Awasthi)
- “Informality, Enforcement and Growth”, *Economic Modelling*, 84: 259-274, 2020 (with C. Bhattacharyya)
- “Does FDI Favour Net Exportability?”, in De, P. and Raychoudhuri, A. (eds.), *25 Years of the WTO and India: A Retrospective*, Sage, New Delhi, 2021 (with P. Singh)
- “Finance and Innovation: Country-level Evidence on Role of Firm Size and Competition”, IEG Working Paper No. 404, Institute of Economic Growth, Delhi, 2020 (with P. Singh)

J V MEENAKSHI

- “The Impact of COVID-19 on Agricultural Markets: Assessing the Roles of Commodity Characteristics, Disease Caseload and Market Reforms”, *Indian Economic Review*, Special Issue, August 2020 (with Deepak Varshney and Devesh Roy)
- “Bargaining Power, Decision Making and Biofortification: the role of Gender in Adoption of Orange Sweet Potato in Uganda”, *Food Policy* 95, 2020. (with Daniel O Gilligan, Neha Kumar, Scott McNiven and Agnes Quisimbing)

MANISH KUMAR

- “COVID-19 and the Public Health System in Bihar”, *Economic and Political Weekly*, 55(16), 18 Apr, 2020 (with Avinash Kumar)

- “Marginalised Migrants and Bihar as an Area of Origin”, *Economic and Political Weekly*, 55(23), 13 June, 2020 (with Avinash Kumar)
- “COVID-19 Lockdown: Impact on Agriculture and Rural Economy”, *Social Scientist*, 48(3–6), March–June 2020 (with Vikas Rawal, Ankur Verma and Jesim Pais)
- “Labour in India and the COVID-19 Pandemic”, *The Indian Economic Journal* (with Praveen Jha)
- “The Government’s Retreat from Agricultural Policy: Experiences from Bihar”, *Economic and Political Weekly*, 56(4), 23 Jan, 2021
- “Contours of Food Security Challenges in Neo-liberal India”, In Lima, T., & Costantino, A. (Eds). *Food Security and International Relations: Critical Perspectives from the Global South* (pp. 25-56). Stuttgart: ibidem-Verlag (with Praveen Jha and Santosh Verma)

PAMI DUA

- “Monetary Policy Framework in India”, *Indian Economic Review*, 55: 117-154, 2020
- “Determinants of Inflation in India”, *Journal of Developing Areas*, 55, 2021 (with D. Goel)

PARIKSHIT GHOSH

- “Expert Captured Democracies”, *American Economic Review*, 110(6): 1713-51, June 2020 (with A. Chakraborty and J. Roy)
- “Predictions, Role of Interventions and Effects of a Historic National Lockdown in India’s Response to the COVID-19 Pandemic: Data Science Call to Arms”, *Harvard Data Science Review*, Suppl 1, June 2020 (with B. Mukherjee et al).
- “A Sovereign Fund for India”, in Kaushik Basu et al. (eds), *Development, Distribution and Markets*, Oxford University Press, forthcoming (with D. Ray)
- “Developing Economic Herd Immunity In the Face of A Pandemic” in Rajib Bhattacharya et al. (eds), *Covid-19 Pandemic, India and the World*, Routledge, forthcoming.
- “Integration without Coordination: Revisiting Globalization in the Light of the Pandemic”, in Mousumi Dutta et al (eds), *The Impact of Covid-19 on India and the Global Order: A Multi-Disciplinary Approach*, Springer, forthcoming (with V. Ojha).

RAM SINGH

- “Settlements and Resolutions under the Insolvency and Bankruptcy Code”, *Indian Economic Journal*, 69 (1): 1-16, 2021 (with Hitesh Thakkar)
- “Equilibria under Negligence Liability: How the Standard Claims Fall Apart”, *Review of Law and Economics*, 17 (1): 1-33, 2021 (with Allan M. Feldman)

- “The Law and Economics of ‘Force Majeure’ Litigation”, *GNLU Journal of Law and Economics*, III (1): 7-27, March 2021

ROHINI SOMANATHAN

- “Improving Learning Outcomes through Information Provision: Experimental evidence from Indian villages”, *Journal of Development Economics*, 146, 102276, 2020 (with F. Afridi and B. Barooah)
- “Child Labor and Schooling Decisions among Self-Help Group Members in Rural India”, *Economic Development and Cultural Change*, 69(1): 73-105, 2020 (with J.M. Baland and T. Demont)
- “Towards Global Pandemic Resilience”, COVID-19 Rapid Response Impact Initiative. White Paper 11, 2020 (with R. Sethi, D. Siddarth, A.C. Holland, B. Archibong, F. Annan, and J.C. Cárdenas)

ROHIT PARASAR

- “Access to Milk and Milk Products and Child Undernutrition”, in *Undernutrition, Agriculture and Public Provisioning: The Impact on Women and Children in India*. Routledge Studies in Developmental Economics, Taylor and Francis, 2020 (with R. V. Bhavani and S. Raju)
- “Child Underweight, Agricultural Land Productivity and Public Provisioning”, in *Undernutrition, Agriculture and Public Provisioning: The Impact on Women and Children in India*. Routledge Studies in Developmental Economics, Taylor and Francis, 2020 (with S.S. Vepa and B. Viswanathan)
- “Nutritional Status of Women Across Social Groups”, in *Undernutrition, Agriculture and Public Provisioning: The Impact on Women and Children in India*. Routledge Studies in Developmental Economics, Taylor and Francis, 2020 (with S.S. Vepa)

SHREEKANT GUPTA

- Guest Editor, Special Issue: Pandemics, COVID-19 and India, *Indian Economic Review*, November 2020
- "Pandemics, COVID-19 and India", *Indian Economic Review*, 55 supplement issue 1:1–12
- "Health and Economic Impact of Air Pollution in the States of India: The Global Burden of Disease Study 2019", *Lancet Planetary Health*, 5(1):e25-e38, January 2021 (with multiple co-authors)

SURENDER KUMAR

- “Environmental Management Practices and Financial Performance: Evidence from Large Listed Indian Enterprises”, *Journal of Environmental Planning and Management*, forthcoming (with Pratika Dua)
- “Cost of CO₂ Mitigation and its Decomposition: Evidence from Coal Fired Thermal Power Sector in India”, *Empirical Economics*, forthcoming (with R.K. Jain)
- “Does Stringency of Lockdown Affect Air Quality? Evidence from Indian Cities”, *Economics of Disasters and Climate Change*, 4: 481-502, 2020 (with S. Managi)
- “Editors’ Introduction to Productivity Growth in India: Issues and Measurement”, *Indian Growth and Development Review*, 13: 1-9, 2020 (with D. Maiti)
- “CO₂ Mitigation Policy for Indian Thermal Power Sector: Potential Gains from Emission Trading”, *Energy Economics*, 86: 1-11, 2020 (with S. Managi and R.K. Jain)
- ‘Modelling Production of Bad Outputs: Theory and Empirics’ in *Sustainable Development Insights from India*, edited by P. Dasgupta, A. Roy Saha and R. Singhal. Springer Nature, Singapore 2021

SWATI SAINI

- “Role of Economic Development and the Government on Flood Impact in India”, *International Journal of Emergency Management*, 16(3): 213-230, 2020 (with Y. Parida, P.A. Goel and P.K. Sahoo).

UDAY BHANU SINHA

- “The Implications of Labour Unions in the Presence of a Merger”, *The Manchester School*, 88(4): 575-583, 2020 (with Jiyun Cao and Arijit Mukherjee)

BOOKS

- **Dua, P.** *Macroeconometric Applications of the Indian Economy*, Oxford University Press (2020)
- **Somanathan, R.** *Difference without Domination: Pursuing Justice in Diverse Democracies*. University of Chicago Press (2020) (edited with D. Allen).

9. CDE WORKING PAPERS

Downloadable from <http://cdedse.org/working-papers-2021/>

Continuing from reports of previous years

PAPER NO	AUTHOR	TITLE
307	Priyanka Arora and Mausumi Das	Culture and Market: A Macroeconomic Tale of Two Institutions
308	Sanyyam Khurana	Unravelling of Value-Rankings in Auctions with Resale
309	Archana Dang	Role of Time preferences in Explaining the Burden of Malnutrition: Evidence from Urban India
310	Dyotona Dasgupta and Dilip Mookherjee	A Theory of Progressive Lending
311	Jaya Jumrani and J. V. Meenakshi	A Fat Subsidy and its Impact on Edible Oil Consumption: Evidence from India
312	Surender Kumar and Shunsuke Managi	Does stringency of lockdown affect air quality? Evidence from Indian cities
313	Dibyendu Maiti and Chiranjib Neogi	Endogeneity Corrected Stochastic Frontier with Market Imperfections
314	Surender Kumar & Pritika Dua	Environmental Management Practices and Financial Performance: Evidence from Large Listed Indian Enterprises
315	Allan M Feldman & Ram Singh	Equilibria under Liability Rules: How the standard claims fall apart
316	Disha Gupta	Free Power, Irrigation and Groundwater Depletion: Impact of the Farm Electricity Policy of Punjab, India

10. SEMINARS ORGANISED

Date	Speaker	Topic
25th March 2021	Aaditya Dar, Indian School of Business	Irrigation and Structural Transformation: Evidence from India

18th March 2021	Anisha Sharma, Ashoka University	The Unintended Consequences of a Ban on Sex-Selection on the Educational Attainment of Women
4th March 2021	S Anukriti, World Bank	Women's Access to Family Planning: Experimental Evidence on the Role of Peers and Vouchers
25th February 2021	Stefan Klöner, University of Heidelberg	On the Origins of Gender-Unequal Social Norms: Unilateral Descent and the Efficient Household
18th February 2021	Sonia Bhalotra, University of Essex	Job Displacement, Unemployment Benefits, and Domestic Violence
11th February 2021	Sudipta Sarangi, Virginia Tech, United States	Inheritance and Evolution of Networks across Generations
4th February 2021	Rohit Prasad, Management Development Institute, Gurgaon	Redesigning the Market for Distressed Debt in India
14th January 2021	Kala S Sridhar, Institute for Social and Economic Change, Bangalore	Understanding the Digital Platform Economy: Effect of Airbnb on Housing in Indian cities
8th January 2021	Dilip Mookherjee, Boston University	Political Clientelism in West Bengal: Evidence and Budgetary Implications
11th December 2020	Bina Agarwal, University of Manchester, England	Which women Own Land in India? Inter-gender and intra-gender gaps
3rd December 2020	Vidhya Soundararajan, Indian Institute of Management Bangalore	Import Competition and Formalization of the Workforce
26th November 2020	Swagata Bhattacharjee, Ashoka University	Virtue of Simplicity in Asymmetric Auctions
19th November 2020	Guanghua Wan, Director of the Institute of World Economy, Fudan University, China	Income Inequality and Domestic Consumption in China: A Puzzle and an Explanation
12th November 2020	David Just, Cornell University, New York	Consumption and Income Dynamics of the Rural Poor: Evidence for Behavioral Consumption Theories using High-Frequency Household-Level Income-Diary Data in Rural Uganda
5th November 2020	Amrita Dhillon, King's College, London	Information Aggregation with Delegation of Votes

19th October 2020	Rohini Pande, Yale University	On Her Own Account: How Strengthening Women's Financial Control Impacts Labor Supply and Gender Norms
15th October 2020	Neha Khanna, Binghamton University, New York	Public Pressure and Heterogeneous Effects of Voluntary Pollution Regulation
8th October 2020	Parimal Bag, National University of Singapore	Honesty or Talent? Project Implementation with Possibility of Backstabbing
1st October 2020	S Chandrasekhar, Indira Gandhi Institute of Development Research	Household Earnings and Regional Disparities: Insights from PLFS 2018-19
17th September 2020	Kyle Emerick, Tufts University	Motivated Information Agents and Technology Adoption in Agriculture
27th August 2020	Ashwini Deshpande, Ashoka University	Which Indian Children are Short and Why? The Indian Enigma, Social Identity, and Childhood Malnutrition
20th August 2020	Abhiroop Mukhopadhyay, Indian Statistical Institute, Delhi	Trust thy Neighbour?: Evidence from Partition of India
13th August 2020	Sumit Guha, University of Texas, Austin	Plagues and Panics: Social organization, information systems, and disease outbreaks
30th July 2020	Ashima Goyal, IGIDR	Post Covid-19: Recovering and Sustaining India's Growth

11. SEMINAR/CONFERENCE PRESENTATIONS

ADITYA BHATTACHARJEA

- “Anti-cartel Enforcement in India”, Academic Society for Competition Law (ASCOLA) India chapter, July 2020.
- I: “Policy Transitions in the Industrial Sector in India”; II: “Indian Industry: Pre- and Post-Covid Challenges”; III: “Detecting and Deterring Bid-rigging in Public Procurement”. Technical Management Course, Naval War College, Goa, July 2020.

- “Economic Consequences of Procedural Delays in Competition Law Enforcement”, Confederation of Indian Industry, November 2020.
- “The Future of Mobile Ecosystems: Enabling a Choice for Market Players and Consumers in India” (panel moderator), Competition Policy International, December 2020.
- “Neither Crime nor (much) Punishment: Cartel Penalties and Leniency under India’s Competition Act” (with Oindrila De), International Economic Association Workshop on Law and Economic Development, January 2021.
- “India’s Cartel Penalty Practices, Optimal Restitution and Deterrence” (with Oindrila De), Cartel Working Group under Network of Indian Competition Experts (NICE), Competition Commission of India, March 2021.

DIBYENDU MAITI

- ‘ICT, Growth and Wellbeing’, International Conference on Artificial Intelligence, in Complex System and Public Policy, O P Jindal Global University, 22nd Jan 2021
- “Endogeneity Corrected Stochastic Frontier with Market Imperfections”, Econclave’20, IISER Bhopal, 21-22nd December 2020
- “Trade, Strategic Competition and Labour Share”, International Conference on Trade and Development, IGIDR, Mumbai, 17-18th December 2020
- “Pandemic, Crisis and Economic Revival: Some Issues”, Webinar Lecture, Sukanta Mahavidyalaya, Jalpaiguri, West Bengal, 30th August, 2020
- “COVID Crisis and Indian Economy”, Webinar Lecture, Prabhu Jagatbandhu College, Howrah & Bengal Economic Association, Kolkata, West Bengal, 28th July, 2020
- “Pandemic, Crisis and Economic Revival: Some Issues”, Webinar Lecture, Saheed Anurup Chandra Mahavidyalaya (Calcutta University), Burul, South 24 Pgs., West Bengal, 30th June, 2020

J V MEENAKSHI

- “Covid and Indian Agricultural Markets”, Madras School of Economics, September 2020.
- “Reflections on Dilemmas Policy Makers Face: Choosing cost-effective and efficacious interventions”, Micronutrient Forum, November 2020.

- “A (Prospective) Review of Structural Transformation in Indian Agriculture”, Indira Gandhi Institute of Development Research, November 2020.

PAMI DUA

- “Monetary Policy Framework in India”, Invited Lecture, Seminar on Current Issues and Policy Options in Financial Markets, National Institute of Securities Markets and The Indian Econometric Society, August 2020.
- “Monetary Policy Framework in India”, Socratic Lecture, Bennett University, July 2020.

PARIKSHIT GHOSH

- “Next Challenges for Social and Economic Policy in the Context of Covid-19”, Webinar organized by Universidad de Piura and Vrije University, Peru.
- “Economic Challenges of Covid-19”, American Association of Physicians of Indian Origin (AAPI) webinar series.
- “Need A Marshall Plan to Meet the Economic Challenges of Covid-19”, GCRF-PDF University of Kent webinar on Covid-19.
- “Need A Marshall Plan to Meet the Economic Challenges of Covid-19”, Centre for Advanced Studies, Pune, webinar.
- “Optimal Taxation in a Pandemic”, ThRED meetings, Boston University.

SHREEKANT GUPTA

- "Green Recovery Plans in India," Regional Project Energy Security and Climate Change Asia-Pacific (RECAP), Konrad-Adenauer Foundation, June 5, 2020.
- "The Challenge of Climate Change: Can Economics Help?" Indian School of Business and Finance, Distinguished Public Lecture Series, September 25, 2020.

SURENDER KUMAR

- Guest of Honour, Inaugural Session, National Conference on "Changing Contours of Economy, Society, Business, Media and World Relations in the 21st century with special reference

to Sustainable Development" Vivekananda School of Economics, Vivekananda Institute of Professional Studies, 26 March 2021

- “Modelling Bad Outputs: Theory and Empirics”, ISID Capacity Building Programme on “Industrialization, Corporate Sector and Development”, February 18, 2021
- “Policy Instruments for Mitigating Plastic Pollution”, National Policy Workshop Webinar Series on Countermeasures for Riverine and Marine Plastic Litter in India, 12-22 May 2020, National Productivity Council, New Delhi
- “COVID-19 and Indian Economy: Impact and Response”, Special Lecture, National Webinar Series on COVID-19: Lockdown and Post Lockdown Concerns, Mata Sundari College (University of Delhi), May 22, 2020.

UDAY BHANU SINHA

- “Tips for writing the journal articles to get published in SCOPUS, Web of Science, UGC CARE list journals”, in One Week National Level Online Workshop On Improving Scientific Research Writing and Publication Skill jointly organised by Research and Publication Cell, IQAC, S. S. College, Hailakandi, Assam and Indian Council of Social Science Research (ICSSR), North-Eastern Regional Centre, Shillong, 17th October 2020.