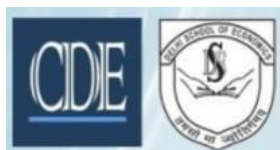


June 2023

CENTRE FOR DEVELOPMENT ECONOMICS

THE TWENTY - NINTH ANNUAL REPORT

(April 2022 - March 2023)



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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 2022 to March 2023, 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 ninth 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 2023-2024 is:

| | |
|---------------------|----------------------|
| Manish Kumar | Devesh Birwal |
| Executive Director | Managing Director |

| | |
|------------------------|--------------------|
| Soumendu Sarkar | Swati Saini |
| Treasurer | Secretary |

| | |
|-----------------------|---------------------|
| Surender Kumar | Sandip Datta |
| Ex-officio member | Member |

| | |
|------------------|-----------------|
| Ram Singh | Paramjit |
| Member | Member |

The following staff members support the activities of CDE:

| | |
|------------------------------|------------------------------|
| Vacant | 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 **Thakur, Vaidyanath, Aiyar & Co.** The accounts are periodically audited by the Comptroller and Auditor General of India.

2. CONFERENCES AND WORKSHOPS

WINTER SCHOOL 2022

The Centre for Development Economics (CDE), Delhi School of Economics, in association with the Econometric Society (ES), organized its annual conference, ‘Winter School 2022’ from December 14 to December 17, 2022 at Delhi, India.

The Winter School at the Delhi School of Economics has been hosting a series of lectures by some of the world’s leading economists for more than two decades now. Since 2018, the event is hosted in collaboration with the Econometric Society. Each invited speaker, who are also Fellows of the ES, delivers two to three talks, providing perspective and surveying the latest research in their field of expertise. These lectures and informal interactions with the visiting scholars have been an invaluable source of knowledge and capacity building for our faculty and students. The conference also hosts selected young scholars from across the country, who attend the invited lectures and present their own research results. The benefits of the Winter School extend to the broader research community based in India and overseas.

After holding two virtual meetings in 2020 and 2021, the Winter School 2022 was held as an in-person event. The invited lectures in WS 2022 were delivered by the following four experts: *Aldo Rustichini, Michael Greenstone, Bruce Hansen and Raouf Boucekine*. The recordings of these lectures have been uploaded in our website; the links are given below:

Aldo Rustichini (U Minnesota)

<http://econdse.org/slides-and-video-2-2-2/>

Michael Greenstone (U Chicago)

<http://econdse.org/slides-and-video/>

Bruce Hansen (U Wisconsin Madison)

<http://econdse.org/slides-and-video-2/>

Raouf Boucekine (Rennes School of Business/Aix-Marseille School of Economics)

<http://econdse.org/slides-and-video-2-2/>

We had also received 241 submissions for the contributed sessions, from which we selected 72 papers for final presentations through an internal reviewing process. The set of paper presenters was quite diverse, consisting of a balanced mix of scholars based in India and abroad (see the final programme attached). From the set of papers presented at the Winter School 2022, the four invited speakers selected four papers respectively for the “Best Paper Award” under the young scholars’ initiative by the Econometric Society. Each of these papers are written by young scholars - at the rank of assistant professor or below. The list of best paper awardees of WS2022 are as follows:

1. Sumit Goel (California Institute of Technology): “Optimal grading contests”
2. Nishtha Shrama (NYU, Abu Dhabi): “The economics of street charity: theory and field evidence”
3. Lalit Contractor (Ashoka University): “Contract labour and insurance within the establishment”
4. Sutirtha Bandhyopadhyaya (IIM Indore) and Bipasha Maity (Ashoka University): “Socioeconomic identity and intra-household distribution of consumption in India: A structural approach”

The certificates for these awards were handed over by Arunava Sen (Fellow, Econometric Society) in the valedictory session on December 17.

Other than the paper presenters and invited speakers, the Winter School 2022 also hosted approximately 150 registered attendees – predominantly research scholars and faculty members

affiliated to various academic and research institutions in India. In order to encourage research activities by young scholars, we waived the registrations fees for 68 attendees and provided free campus accommodation to 9 paper presenters.

Workshops

1. Two Day Workshop on Trade Workshop on 16th-17th September 2022.

A two-day workshop based on the theme of ‘Trade, Unequal Gains, and Development’ was held at the Centre for Development Economics, Delhi School of Economics, University of Delhi on 16th to 17th September, 2022. The workshop was held in collaboration with two partner institutes based in Japan - Institute of Developing Economies, Chiba, & Toyo University, Tokyo.

The event was funded by the Indian Council of Social Science Research (ICSSR) and the Japan Society for Promotion of Science (JSPS). The workshop was all the more auspicious due to its alignment with the occasion of completion of 100 years of the acclaimed University of Delhi.

The workshop was attended by eminent scholars and Professors from all over the country and the world. The first day was marked by the presence of Ms. Mayumi Murayama, the Executive Director of the Institute of Developing Economies. She was the Chief Guest of the workshop and was felicitated by Professor Pami Dua, Director of Delhi School of Economics. The inaugural session was followed by the first session of the workshop on the topic of Global Value Chains. It was chaired by Professor Aditya Bhattacharjea of the Delhi School of Economics. Participants from the Indira Gandhi Institute of Development Research and the Delhi School of Economics presented their research on the aforementioned topic. The second session was chaired by Dr. Badri Narayanan Gopalakrishnan, Lead Adviser at NITI Aayog, Government of India. The topic of this session was Regional Trade Policy, and it attracted the participation of scholars from as far as People’s Friendship University of Russia, as well as from the partner institute, Toyo University.

The third session was chaired by Professor Rajat Acharyya, Professor of Economics and director of UGC-human resource development center at Jadavpur University in Kolkata, on the topic of Trade and protectionism. It was followed by a fourth session on the topic of Competition, Productivity and Growth, chaired by the first distinguished Professor of Indian Institute of Foreign Trade, Professor Sugata Marjit. The first day concluded with a cultural programme held at the Vivekananda Hall at the Delhi School of Economics. The programme consisted of two Bharatanatyam performances by Delhi University students, and a song rendition by the well-renowned Dr. Soma Singh, and her accompanying artists.

The second day of the workshop consisted of four sessions, beginning with the fifth session on the topic of Trade and Technology, chaired by Mr. Hitoshi Soto, Chief Senior Researcher at the Institute of Developing Economies. The sixth session was chaired by Professor Uday Bhanu Sinha of the Delhi School of Economics, on the topic of International Trade Theory. Post lunch, the seventh session was chaired by Professor Manoj Pant, currently the Director of the Indian Institute of Foreign Trade, on the topic of Empirical International Trade. This was followed by the eighth and final session on the topic of Unequal Gains chaired by Professor Aparna Sawhney from Jawaharlal Nehru University.

The workshop was concluded with a vote of thanks given by Professor Dibyendu Maiti of the Delhi School of Economics, and by Professor Kenmei Tsubota of Toyo University.

2. Two-day Workshop on 75 Years of Productivity Growth in India: Issues, Measures, Causes, and Impacts

A two-day workshop based on the ‘75 Years of Productivity Growth in India’ theme was held at the Centre for Development Economics, Delhi School of Economics, University of Delhi on 24th & 25th February, 2023. The workshop was held in collaboration with the India KLEMS Project. The event was sponsored by the India KLEMS Project and National Bank For Agriculture and Rural Development. The workshop was all the more auspicious due to its alignment with the occasion of the completion of 100 years of the acclaimed University of Delhi.

The workshop was attended by eminent scholars and Professors from all over the country and the world. The presence of Professor KL Krishna and Prof TCA Anant marked both days. He was the Chief Guest of the workshop. Post the inaugural session on the first day, the first session of the workshop was on the topic of Productivity Growth of Indian Economy – Pace and Patterns, and Professor KL Krishna chaired it. Participants from the University of Groningen and the Delhi School of Economics presented their research on the aforementioned topic. The second session was chaired by Mr. Ramesh Chand, Member of NITI Aayog. The topic of this session was Agriculture and Productivity, and it attracted the participation of scholars from prestigious institutions such as the Reserve Bank of India, Indian Statistical Institute of India, Kolkata, & Jawaharlal Nehru University. The third session was chaired by Professor Pami Dua, Professor of Economics at Delhi School of Economics, on India Productivity Report: Part 1. It was followed by a fourth session on the topic of India Productivity Report Part 2, chaired by the distinguished Professor of Economics, Professor TCA Anant, and the day concluded with a fifth session on International Trade and Productivity, chaired by Professor Aditya Bhattacharjea, Professor of Economics at DSE.

The second day of the workshop consisted of four sessions, beginning with the sixth session on the Macroeconomy of Environment and Productivity, chaired by Chetan Ghate, IEG Delhi. The seventh session was chaired by Professor K Narayanan, IIT Bombay, on the topic of Labour and Productivity. Post lunch, the eighth session was chaired by Professor Manoj Pant, currently the Director of the Indian Institute of Foreign Trade, on the topic of Industrial Productivity (different dimensions). This was followed by the ninth and final session, a panel discussion on Indian Productivity, Growth and Development: Vision India@2047, moderated by TCA Anant. The Panelists included Nagesh Kumar (ISID, Delhi), Renu Kohli (Center for Social and Economic Progress), Manoj Pant (IIFT, Delhi), Dibyendu Maiti (DSE), and Bishwanath Goldar (IEG, Retired). The workshop was concluded with a vote of thanks from Professor Dibyendu Maiti and Professor KL Krishna.

PUBLIC LECTURES

| Date | Speaker | Topic |
|--|---|---|
| 5th August 2022 | Barry Eichengreen Pro. Department of Economics University of California, Berkeley (University of California, Berkeley) | The Stealth of Dollar Dominance |
| 8 th , 10 th & 12 th August 2022 | David Simpson American University, Washington DC | Lecture Series on the Economics of Biodiversity and Ecosystem Services |
| 28th September 2022 | Maureen L. Cropper Distinguished University Professor, University of Maryland and Senior Fellow, Resources for the | The Health Benefits of Air Pollution Control in India |
| 11th November 2022 | Maurizio Bussolo (World Bank) Siddharth Sharma (World Bank) | Economic Crises and/in Economics Education The effects of university-industry collaboration subsidies on firm performance |

3. FELLOWSHIPS AND SCHOLARSHIPS

3.1. VISITOR/POST-DOCTORAL FELLOWSHIP

The CDE instituted a visitor/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 2022-23 the fellowship was awarded to **Dr. Abdul Qayoom Khachoo** (Jamia Millia Islamia University).

3.2. 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. During the financial year 2022-23, the fellowship was awarded to Ms. Pratishta, Ms Mukta Jain, Ms. Gunjan Khandelwal and Mr. Ridwan Sheikh. Also, Ms. Disha Gupta, a PhD student from batch 2014 who was awarded with this fellowship has successfully completed and received her degree in 2022.

3.3. 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 2022-23.

3.4. 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.

3.5. LATE DR. HARSH MALHOTRA MEMORIAL SCHOLARSHIP

CDE houses Dr. Harsh Malhotra Memorial Scholarship from which a student whose paper is accepted for publication in a sufficiently good journal or presented at International Conference will be awarded annually. In 2022-23, the scholarship was awarded to Ms. Garima Agarwal for their Best Paper. These scholarships are awarded in consultation with the Department of Economics.

4. JOURNALS

INDIAN ECONOMIC REVIEW

Indian Economic Review, the journal of the Department of Economics, Delhi School of Economics, published 25 articles in 2022, including 1 Public Lecture, 2 Policy Review papers and 2 book reviews. There were 49,532 downloads of articles in 2022. A total of 356 submissions were made with 31 days taken for the first decision. In September 2022, the IER Annual Public Lecture was hosted. The lecture titled “The Health Benefits of Air Pollution Control in India” was delivered by Maureen L. Cropper, Distinguished University Professor at the Department of Economics, University of Maryland and Senior Fellow at Resources for the Future. The event was attended by over 200 people including academicians, researchers, experts from environment think-tanks, college faculty, and students. The event was also LIVE streamed on [YouTube](#) and has been viewed by about 500 people so far. The lecture was published subsequently in the December 2022 issue of IER as the lead [article](#). The two policy review papers published in 2022 are “Unemployment and labour market recovery policies” by Swati Dhingra and Fjolla Kondirolli (June 2022) and “Industrial policy in India since independence” by Aditya Bhattacharjea (December 2022).

5. ONGOING RESEARCH PROJECTS

5.1 DOES PRIVATIZATION IMPROVE QUALITY OF ROADS?

| | |
|---------------------------------|--|
| Principal Investigators: | Ram Singh (CDE), Edward Glaeser (Harvard University) and Andrei Shleifer (Harvard University) |
| Funding agency: | Harvard University |
| Project tenure: | March 2020 – July 2023 |

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?

5.2 Relationship between Income, Wealth and Tax payment in India

| | |
|---------------------------------|----------------------------------|
| Principal Investigators: | Ram Singh (CDE), |
| Funding agency: | ICSSR |
| Project tenure: | September 2022 – May 2023 |

The project research aims to examine the relationship between wealth and the income reported to the tax authorities. To this end, we will estimate the income levels missing from the ITR files. We also examine the relationship between the wealth and tax payment for different categories of wealth. The project research has the following objectives:

1. To estimate the total income of the wealthiest Indians
2. To estimate the ratio of the ‘total income’ to the ‘wealth’, for different classes of wealth
3. To study the income reporting behaviour of the different categories of wealth by estimating the ratio of the ‘total income reported to the tax department’ to the ‘wealth’, for different classes of wealth
4. To study the reporting of the taxable income by different categories of wealth by estimating the ratio of the ‘total-taxed-income’ to the wealth, for different classes of wealth.
5. To study the reporting of the taxable income by different by different professions by estimating their ratio of the ‘total-taxed-income’ to the wealth.

5.3 STUDY VACCINE MARKET MODELS

| | |
|---------------------------------|--|
| Principal Investigators: | Rohini Somanathan and Parikshit Ghosh |
| Funding agency: | Bill and Melinda Gates Foundation |
| Project tenure: | Jan 2020- Dec 2023 |

The grant is being used to fund research on policies for providing universal access to affordable vaccines while providing incentives to vaccine manufacturers to invest in capacity and research and development. The theoretical research considers endogenous entry in single object procurement auctions with asymmetric suppliers. The potential suppliers decide to enter the auction before realizing their per-unit cost. Suppliers incur a fixed cost for entry into the auction. We characterize the optimal procurement auction in such an environment. We then study a two-period model, where a single object is procured in every period from the same potential set of suppliers. In the first period, suppliers are symmetric but suppliers who win the contract in the first period get cost (distribution) advantage in the second period. We apply our result to derive sufficient conditions on how cost distribution changes in the second period under which procuring from multiple suppliers (split award) is optimal in the first period.

On the empirical side, a systematic study of episodes of vaccine shortages or declining vaccine prices, globally or in India, will enable us to understand factors that may result in price or quantity shocks. Procurement data from UNICEF, WHO and particular countries will be analysed to understand long-term trends. Finally, using information on procurement policies of different agencies /countries, and their procurement data we will attempt to identify links between policy and outcomes.

5.4 THE IMPACT OF MEDIUM OF INSTRUCTION ON LEARNING OUTCOME

| | |
|---------------------------------|--|
| Principal Investigators: | Hemanshu Kumar, Mahima Vasishth & Rohini Somanathan |
| Funding agency: | Azim Prem Ji University |
| Project tenure: | July 2016 - Dec 2023 |

Nearly 40% of the world's population does not have access to education in their own language. Children whose mother tongue is very different from the medium of instruction in school find it hard to understand and make full use of study material and class lectures. These difficulties may compound over the years, leading to lower educational attainment and wage inequality based on linguistic groups. The literature on cognitive neuroscience and educational psychology suggests that instruction in the mother tongue may be especially important for first-generation students in the earliest years of their education, especially in resource-poor environments.

In this project, we use primary data from Bihar villages and secondary data from the Census of India to estimate the impact of linguistic distance on learning. Our findings thus far suggest linguistic distance matters most when it is combined with spatial isolation of households whose language of instruction differs from their home language.

6. COMPLETED RESEARCH PROJECTS

6.1 INDUSTRIALIZATION AND SOCIAL UNREST

| | |
|---------------------------------|---|
| Principal Investigators: | Anish Gupta (CDE), Mousumi Biswas (Sri Aurbindo College) and Amulaya Sahoo (Shyama Prasad Mukherjee College) |
| Funding agency: (ICSSR) | Indian Council of Social Science Research |
| Project tenure: | May 2019 - December 2021 |

The spurt in industrial disputes and social unrest in Tamil Nadu have had a profound and enduring impact on the industrial development of the state. Though it features in the seven most industrialised states, yet the share in industrial disputes is approximately half of all such contentions registered during the last decade. This has led to rapid closure of industrial units in the state, of which manufacturing units constituted almost 94 percent. Its effects are now evident in the form of the falling share of regular workers, increasing casualisation of labour, fall in the credit to industries, etc. On the other hand, the spiralling of social unrest is leading to stalled developmental projects.

The outcome of this research project is publication of one research paper and one article in a newspaper. Two research papers have been submitted in reputed journals, whose decision is still pending. The report will be published after receiving the reviewer's comments.

6.2 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 2021-22.

1. Indian KLEMS database 2020 and the associated Data Manual were submitted to the RBI, which was later released by the RBI.
2. Two research papers were submitted to the RBI: (1) ‘Labour income share in Indian industries: 1980-2017’ by Bishwanath Goldar, Suresh Chand Aggarwal and Pilu Chandra Das; (2) ‘Internal Rate of Return in Indian Industries: Estimates Using KLEMS Data’ by Abdul A Erumban
3. A training program for RBI officers on the construction of the KLEMS database had begun in 2020-2021, and a major part was done during Dec 2020 to March 2021. The remaining part of this training program was completed during April- May 2021.
4. The draft of “India Productivity Report (IPR)” was submitted to the RBI in January 2022. RBI sent the draft to two Referees for comments.

6.3 INTERNATIONAL TRADE, UNEVEN GAINS AND THE ROLE OF ICTS

| | |
|---------------------------------|--|
| Principal Investigators: | Dibyendu Maiti (Delhi School of Economics), Mayumi Murayama (Institute of Developing Economies, Tokyo) and Kenmei Tsubota (Toyo University) |
| Funding agency: | Indian Council of Social Science Research (ICSSR) India & Japan Society for Promotion of Science (JSPS) |
| Project tenure: | April 2020 - March 2023 |

Trade integration and inequality grew very much in parallel, especially in the 1990s and 2000s. The extent to which these two phenomena are causally related has been the subject of intense academic debates. This work investigates whether access to ICTs reduces uneven gains from trade between regions, locations and income groups. Better understanding the distributional impact of international trade is one of the prime tasks pursued in the recent literature on international economics. Under heterogeneity and imperfect markets, the benefit from trade across individuals depends on the extent of heterogeneity and degree of market imperfections (Melitz, 2003; Neary, 2016). This research aims (i) to explore the mechanism and show evidence of uneven gains from trade across regions, locations and individuals due to the uneven accessibility to the markets and ICTs (information and Communication Technologies) and (ii) to investigate the interaction effect of ICTs innovations and trade integration on the differential gains.

7. HONOURS/DISTINCTIONS

BHATTACHARJEA, ADITYA

- Member, Committee on Digital Competition Law, Ministry of Corporate Affairs, Government of India, 2023 -
- Non-resident Honorary Distinguished Fellow, Indira Gandhi Institute of Development Research, Mumbai
- Member, Board of Studies, Faculty of Economics, South Asian University, 2020 – present.
- Member, Board of Studies, Economics Division, Indian Institute of Foreign Trade (Deemed University), 2017 – present.
- Member, Editorial Advisory Board, *Indian Economic Review*, 2019 – present.
- Member, Editorial Advisory Board, *CCI Journal on Competition Law and Policy*, 2019 – present.
- Member, Editorial Advisory Board, *Indian Journal of Labour Economics*, 2014 – present.

DUA, PAMI

- **National Systems Gold Medal**, Systems Society of India (for outstanding contributions in Economics and Social Sciences), 2022
- **Distinguished Fellow (Non-Resident, Honorary)** Indira Gandhi Institute of Development Research (IGIDR)
- **Senior Research Fellow**, Economic Cycle Research Institute, New York, USA
- **Co-Chair**, Task Force on Macroeconomics, Trade and Livelihoods under Think20 (T20) India / G20, 2023
- **Member, 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, 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, ANISH

- Visitor's nominee in the Court of University of Hyderabad
- Member Executive Council (Visitor's nominee), University of Hyderabad

GHOSH, PARIKSHIT

- Editor-in-Chief, *Ideas for India*.

- Member, Centre for Research on the Economics of Climate, Food, Energy and Environment (CECFEE).

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
- Member, Editorial Board, Economics of Disasters and Climate Change (A Springer Journal)
- Member, Editorial Board, Indian Economic Review, since 2015

MAITI, DIBYENDU

- Honorary Professor, University of Fiji
- Honorary Fellow, Institute of Developing Economies, Tokyo (15th July – 6th August 2023)
- Associate Editor: Progress in Development Studies (Sage)
- Member, Editorial Board, *Indian Economic Review*
- Subcommittee Coordinator and Member, Tamil Nadu State Education Policy 2023

MEENAKSHI, J. V.

- Associate Editor, *Indian Economic Review*

SINGH, RAM

- World Fellow, World Inequality Lab (WIL) at the Paris School of Economics and University of California, Berkeley
- Member, Digital Economy Group, MeitY, Government of India. 2022-present

SINHA, UDAY BHANU

- Editor-in-Chief, *Indian Economic Review*

SOMANATHAN, ROHINI

- Fellow of the Econometric Society
- Fellow of the International Economics Association (IEA)
- Annenberg Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford University.

8. FACULTY PUBLICATIONS

8.1 ARTICLES AND BOOK CHAPTERS

ADITYA BHATTACHARJEA

- “Abuse of Dominance under the Competition Act: The Need for a Competitive Effects Test”, *Indian Competition Law Review* 7(2): 36-43, 2022
- “Industrial Policy in India since Independence”, *Indian Economic Review* 57(2): 565-598, 2022.
- “Neither Crime nor (Much) Punishment: India’s Cartel Penalty Practices” (with Oindrila De), in Kaushik Basu and Ajit Mishra (eds), *Law and Economic Development: Behavioral and Moral Foundations of a Changing World*, Palgrave Macmillan, 2023.

DIBYENDU MAITI

- “Digitalisation, Governance and The Informal Sector” (with Bhavna, Khari), IDE Discussion Paper No. 898, <http://hdl.handle.net/2344/00053707>
- Maiti, D. and Singh, P. (2023), ‘Foreign Capital Inflow, Exportability and the Indian Economy’, *Indian Economic Journal*, 71(3): 1-18

J. V. MEENAKSHI

- Deepak Varshney and J.V. Meenakshi (2023), "Employment Effects of an Emergency Assistance Package for Migrants Displaced by Covid-19 in India," *Applied Economic Perspectives and Policy*.
- Jaya Jumrani and J.V. Meenakshi (2022), “A Fat Subsidy and its Impact on Edible Oil Consumption: Evidence from India,” *Journal of Agricultural Economics*.
- Sangeeta Bansal, Brinda Viswanathan and J.V. Meenakshi (2022), “Do Gender Differences in Research Performance Explain the Leaky Pipeline in Indian Academia? Some Evidence on Agricultural and Applied Economics,” *Agricultural Economics*.
- Ringler, Claudia, Mure Agbonlahor, Jennie Baron, Kaleab Baye, J. V. Meenakshi, Dawit Mekonnen and Stefan Uhlenbrook (2022), ”The Role of Water in Transforming Food Systems,” prepared for the United Nations Food Systems Summit 2021, *Global Food Security*.
- K.L. Krishna and J.V. Meenakshi (2022), “Agricultural Productivity Growth and Structural Transformation in Rural India: Some Recent Evidence” *Journal of Quantitative Economics*.

MANISH KUMAR

- Power Asymmetry and Unequal Exchange in the Agricultural Value Systems: Case Study of Paddy, in *Agrarian South: Journal of Political Economy* 11 (3), 308-332.
- Political Aspects of ‘Freebies’, in *Economic and Political Weekly*, Vol. 57, Issue No. 52, 24 December 2022. (Co-authored with Avinash Kumar)

PAMI DUA

- “Synchronization in Cycles of China and India During Recent Crises: A Markov Switching Analysis” (with D. Tuteja), *Journal of Quantitative Economics*, Forthcoming.
- “Decoding the Union Budgets’ Financial Inclusion Agenda: A Review of India’s Progress” (with D. Goel and N. Kumar), *Economic and Political Weekly*, 2023, Forthcoming.

PARIKSHIT GHOSH

- (with Debraj Ray) “The Social Equilibrium of Relational Arrangements.” *Journal of Institutional and Theoretical Economics*, special issue on relational contracts (forthcoming).
- (with Vaibhav Ojha) “Integration without Coordination: Revisiting Globalisation in the Light of the Pandemic” in Mousumi Dutta, Zakir Husain and Anup Kumar Sinha (eds), *The Impact of Covid-19 on India and the Global Order*, 2022, Springer.

RAM SINGH

- Under-reporting of Income by Wealthy Indians (Soumyajit Ray), *Economic and Political Weekly*, Forthcoming
- The Property of Social Media Data (with H-B Schäfer, BLS Hamburg, Germany), Law and Economic Development, International Economic Association and Palgrave Macmillan, Forthcoming
- Will Competition Reduce Attention Costs (with Francesco Parisi, University of Minnesota), *Journal of Law, Market & Innovation*, Vol 2, 2022, pp 1-16.
- “Is there a Case for Basic Income Support in India? Assessment based on verifiable criteria” In: Nagar, R. and Thakkar, H. (eds) *The Indian Yearbook of Law and Interdisciplinary Studies*. Taylor & Francis, New York, NY, (2022)

ROHINI SOMANATHAN

- “Meritocracy and Representation” (with Rajiv Sethi), *Journal of Economic Literature*, forthcoming in volume 51(3) September.
- “Language and learning in ethnically mixed communities” (with Hemanshu Kumar and Mahima Vasishth), *Review of Development Economics* 26(2), 835-846 (May).

SANDIP DATTA

- Datta, Sandip, and Geeta Gandhi Kingdon. "Class Size and Learning: Has India Spent Too Much on Reducing Class Size?." *The World Bank Economic Review* 37, no. 1 (2023): 24-48.

SATYENDRA KUMAR GUPTA

- Fredriksson, Per G., and Satyendra Kumar Gupta. "Land Productivity and Colonization." *Economic Modelling* 113 (2022): 105890.
- Fredriksson, Per G., et al. "Legal heritage and urban slums." *Journal of Regional Science* 63(1) (2023).

SOUMENDU SARKAR

- Bargaining for assembly" (with Dhritiman Gupta) *Theory and Decision*, 2022

SWATI SAINI

- Yashobanta Parida, Joyita Roy Chowdhury, Swati Saini & D.P. Dash (2022), "Role of income and government responsiveness in reducing the death toll from floods in Indian states", *Scientific Reports*, 12(1), 169-78.

UDAY BHANU SINHA

- "When to merge with a lower quality producer?" (with Neelanjan Sen), *Journal of Economics*, 138(2), 2023, 165-188.

8.2 BOOKS

- **Dua, P. (ed.)**, *Macroeconometric Methods: Applications to the Indian Economy*, Springer Nature, Forthcoming.
- **Kumar, Manish**. Agricultural Markets: Constraints and Opportunities, in S K Bhaumik (Ed.) *Enhancing Agricultural Productivity and Farmer Incomes in Bihar*, Sage Books, New Delhi, 2022. ISBN: 978-93-5479-542-8

9. CDE WORKING PAPERS

Downloadable from [Working Papers- 2022 \(cdedse.org\)](https://www.cdedse.org/Working-Papers-2022)

Continuing from reports of previous years

| Paper | Author | Title |
|---------------|--|---|
| Paper No. 325 | Rajiv Sethi & Rohini Somanathan | Meritocracy and Representation (May 2022) |
| Paper No. 326 | Aditya Bhattacharjea & Srishti Gupta | Alternative Forms of Buyer Power in a Vertical Duopoly: Implications for profits and consumer welfare (July 2022) |
| Paper No. 327 | Deepika Kandpal & Dibyendu Maiti | Social Identity, Local Neighbourhood Effect and Conspicuous Consumption: Evidence From India (July 2022) |
| Paper No. 328 | Sunil Kanwar | Innovation and Government Bureaucracy (August 2022) |
| Paper No. 329 | Ridwan Ah Sheikh & Sunil Kanwar | Does Host Country Intellectual Property Protection Matter for Technology-Intensive Import Flows? (September 2022) |
| Paper No. 330 | Aditya Bhattacharjea, Kanika Pathania & Uday Bhanu Sinha | Duty Inversion and Effective Protection: A Theoretical Analysis (November 2022) |
| Paper No. 331 | Ram Singh | Do the Wealthy Underreport their Income? Analysing Relationship between Wealth and Reported Income in India (December 2022) |
| Paper No. 332 | Surender Kumar & Madhu Khanna | Distributional heterogeneity in climate change impacts and adaptation: Evidence from Indian agriculture (January 2023) |
| Paper No. 333 | Mausumi Das & Ajit Mishra | Trust and Public Policy: Lessons from the Pandemic (January 2023) |
| Paper No. 334 | Chandril Bhattacharyya & Dibyendu Maiti | Informal Sector, Innovation and Growth (March 2023) |

10. SEMINARS ORGANISED

| Date | Speaker | Topic |
|---------------------------|---|--|
| 1st April 2022 | Dr. Sanjay R. Singh University of California | The long-run effects of monetary policy |
| 7th April 2022 | Anirban Kar D.S.E. University of Delhi Sugata Bag D.S.E., University of Delhi | Made in Heaven, Matched by Parents” : Does Arranged Marriage Restrict Labour Market Autonomy and Participation of Women? Theory and Evidence from India |
| 11 TH May 2022 | Prof. Kenmai Tsubota University of Toyo and Institute of Development Economics, Chiba, Tokyo | Economic and Environmental Impacts of Dedicated Freight Corridors in India |
| 12th May 2022 | Sutirtha Sinha Roy & Roy van der Weide World Bank | Poverty in India Has Declined over the Last Decade But Not As Much As Previously Thought |
| 13th May 2022 | Devesh Roy IFPRI | Farm outcomes in Bihar: Impacts of reforms and other things including public programs |
| 19 th May 2022 | Kartik Misra Sewanee: The University of the South | To Reform and to Procure: An Analysis of the Role of the State and the Market in Indian Agriculture |
| 26 th May 2022 | Manoj Pant, ex-CITD, JNU, and current VC, IIFT | Global Growth and Development: Why Emerging Countries Matter? |
| 1st June 2022 | Salman Haider Delhi School of Economics | Explaining household expenditure on cooking fuel: Role of income and socio-economic status |
| 2nd June 2022 | Hans Timmer and Dhruv Sharma The World Bank | South Asia and Indian Economic update |
| 30th June 2022 | Siddhartha Chattopadhyay IIT Kharagpur | Revisiting the Mankiw-Romer-Weil results using an instrumental variables approach |
| 21st July 2022 | Santanu Roy Southern Methodist University | Repeated Trading: Transparency and Market Structure |

11. SEMINAR/CONFERENCE PRESENTATIONS

ADITYA BHATTACHARJEA

- “Digital Markets: Economic Principles and Policy Implications”, School of Governance and Public Policy, Jindal Global University, May 2022.
- “Effect of Antitrust Penalties on Share Prices of Indian Firms in Cartel Cases, 2011-21” (with Oindrila De), 8th International Conference on Law and Economics, National Law University Delhi, November 2022 (awarded First Prize for Best Paper in the Conference).
- “Labour Market Flexibility in Indian Industry: A Sceptical View”, Friday Research Colloquium, Department of Sociology, Delhi School of Economics, November 2022.

DIBYENDU MAITI

- “Trade, Strategic Competition and Growth in A Generalised Oligopoly Equilibrium Model”, in an international conference on Imperfect Resource Mobility and Economic Adjustments in a Changing World- Celebrating 50 years of the Specific Factor Model, Xavier’s University, Kolkata, 5-7th February 2023
- Panelist, "ICT for Wellbeing and Social Connectivity", World Summit on the Information Society Forum 2022, 13th April
- Panelist, "Contemporary Challenges to Labour Relations in India", Organised by University of Manchester (UK), 9th April 2022
- ‘Carbon Tariff, Trade and Welfare: Some Issues’, Heritage College, Kolkata, 21-22nd December 2022
- ‘Digitalisation, Governance and the Informal Sector’, Institute of Developing Economies, Tokyo, 2nd August 2022
- “ICT-exposure, Governance and the Informal Sector: A Cross Country Study” (with Bhavna Khari), presented at the Pacific Conference 1-3rd August 2022 at the Kyoto University, Japan
- "ICT for Wellbeing and Social Connectivity", World Summit on the Information Society Forum 2022, 13th April
- “Endogeneity Corrected Stochastic Frontier with Market Imperfections” (with Chiranjib Neogi, ISI, Kolkata), presented at the KLEM Indian Productivity Workshop Trade and Development Workshop, DSE, 16-17th September 2022
- “Trade, Strategic Competition and Growth in A Generalised Oligopoly Equilibrium Model”, presented at Trade and Development Workshop, DSE, 24-25th February 2023

MANISH KUMAR

- Invited for Lecture on 'Political Aspects of Freebies: In the Context of Union Budget 2023-24', hosted by Shyama Prasad Mukherjee College, University of Delhi, 08 February 2023.
- Invited for Lecture on 'The Context of Union Budget 2023-24' hosted by Department of Economics, Doon University, Dehradun, Uttarakhand, 25 February 2023.

PAMI DUA

- "The Relationship Between Trade, Investment and Climate Change," Panelist, ADB Event in T20/G20 Mid-Year Conference, Mumbai, May 2023.
- "Education, Employment and Skills," Chair, Panel Discussion in Conference on Sustainable Development Goals Amidst Multiple Global Shocks, Indira Gandhi Institute of Development Research (IGIDR), Mumbai, December 2022.
- "Monetary Policy in India", 11th NJ Yashasw Memorial Lecture (in honour of Founder of ICFAI Group), ICFAI Business School, Gurgaon, December 2022,
- "Taming Inflation – Global Inflation Scenario: Lessons for India," Panelist, ICRIER Conference, September 2022.
- "Harnessing Open Science and SDGs to Address Global Issues," Panelist, Open Research and Scholarly Communication Forum 2022, Springer Nature, India, New Delhi, August 2022.
- Convocation Address (Chief Guest), Seventeenth Convocation of Indira Gandhi Institute of Development Research (IGIDR), Mumbai, May 2022.
- "Monetary Policy Framework in India," Indian Institute of Foreign Trade, New Delhi, April 2022

RAM SINGH

- Prof. S. K. Rangarajan Memorial Lecture on 'Who Should Pay Income Tax and How Much? A political economy approach', at the *Indian Institute of Sciences*, Bangalore, March 21, 2023.
- Keynote Talk on 'Do Tax Laws Incentives Wealthy Groups to Underreport their Income?' at International Conference at on Law, Economics, and Public Policy, at GNLU, Gandhinagar, March 17, 2023.
- Conference Talk on 'Public Policy and the Equal Security Paradox' at the *Asian Meeting of the Econometric Society*, IIT Bombay, January 10, 2023.
- Keynote talk on 'Vision India@2047' at the 105th Annual Conference of the Indian Economic Association (IEA), Bangalore, during 27-29 December 2022.
- 'Do wealthy under-report their income?' *Gokhale Institute of Politics and Economics*, Pune, November 25, 2022.

SATYENDRA KUMAR GUPTA

- 17th Annual conference on Economic Growth and Development, **ISI, Delhi** (2022).