

Sandhya Garg

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SRT Research Fellow

Institute of Economic Growth
University Enclave, North Campus,
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India - 110007

RESEARCH INTERESTS

Public Finance, Banking and Finance, Spatial Econometrics.

WORK EXPERIENCE

▪ **Sir Ratan Tata Fellow** at the level of Assistant Professor. Institute of Economic Growth, New Delhi. (Apr'2020-Present)

▪ **Associate Fellow:** National Council of Applied Economic Research, New Delhi, India (Dec'2015 – March'2020).

Project: Measuring DBT Readiness of All Indian State and Union Territories for 10 central schemes.

▪ **Research Assistant** for Dr. Ashima Goyal, IGIDR (Aug'15 – Dec'15).

Base Erosion and Profit Shifting: A Study of MNCs Operating in India.

▪ **Research Assistant** for Dr. Sudhakar Yedla, IGIDR (Aug'12 – Jul'15).

Environmental Economics - An Analysis of Cross-Country Carbon Budget Allocation.

▪ **Teaching Assistant** for Dr. Rajendra Vaidya, Professor, IGIDR (Jul'09 – Dec'09).

Macro Economics

▪ **Assistant Manager** in Dept. of Risk Analytics, Tata Consultancy Services E-Serve Ltd., Mumbai. (Jul'10 – Dec'11).

Validation of external and in-house Credit Risk Scorecards to assist risk mitigation and minimize losses.

EDUCATION

▪ **Ph.D. Economics (2018, year of award-2019)** – IGIDR Mumbai, India.

Dissertation Title: Essays in Fiscal Federalism: A Study of Indian Sub-National Governments.

Guide - Dr. Ashima Goyal; Co-guide - Dr. Rupayan Pal; and Committee Member – Dr. Subrata Sarkar.

▪ **M.Phil. (2010)** – Development Studies, IGIDR Mumbai, India.

Dissertation Title: Unemployment in India and National Rural Employment Guarantee Act.

Supervisor: Dr. M.H. Suryanarayana.

▪ **M.A. (2008)** – Economics, Panjab University, Chandigarh, India.

TEACHING

Spatial Econometrics

Taught a course on Spatial Econometrics to IES trainees. The course included analysis using GIS data and also data extraction from remote sensing images. The course was designed over a set of six lectures (Jan 17th, 20th, 24th, 25th, Feb 1st, 3rd, 2022).

RESEARCH

PUBLICATIONS IN PEER REVIEWED JOURNALS

▪ 'Why Tax Effort Falls Short of Capacity in Indian States: A Stochastic Frontier Approach', (co-authored with Dr. Ashima Goyal, Dr. Rupayan Pal), *Public Finance Review*, Vol. 45, Issue 2, 2017. <http://journals.sagepub.com/doi/abs/10.1177/1091142115623855#>

▪ 'Two Decades of International Climate Negotiations – Carbon Budget Allocation Approach to Re-Shaping Developing Country Strategies', (co-authored with Dr. Sudhakar Yedla), *Journal of East Asian Economic Integration*, Vol. 18, No. 3, October 2014.

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2504475

WORKING PAPERS

- 'Financial Access of Unbanked Villages in India from 1951 to 2019: A Spatial Approach', August 2020, Working Paper no. 403, Institute of Economic Growth, Delhi. With Samarth Gupta, http://www.iegindia.org/upload/profile_publication/doc-110820_192018wpp403.pdf
- 'Financial Access and Gender Gap in Entrepreneurship and Employment: Evidence from Rural India', September 2021. Working Paper no. 442, Institute of Economic Growth, Delhi, with Samarth Gupta, http://iegindia.in/upload/profile_publication/doc-090921_111758WP442.pdf
- Inter-governmental Transfers and Convergence in Public Expenditure: Evidence from States in India.
 - Earlier version available here: 'Spatial Convergence in Public Expenditure across Indian States: Implications of Federal Transfers', Working Paper, IGIDR, Mumbai. <http://www.igidr.ac.in/pdf/publication/WP-2015-028.pdf>
- What Drives Literacy in Villages without Schools: A Study of Indian Villages (with Sanjukta Das and Samarth Gupta, NCAER), (Under preparation for submission).
- Public Debt Sustainability under Fiscal Federalism: An Analysis of Indian States, (In progress).

BOOK CHAPTER / REPORTS

- 'Emergence of Cross-Border Taxation and Firm Behavior', (Co-authored with Dr. Ashima Goyal), in Base Erosion and Profit Shifting (BEPS) – The Global Taxation Agenda, Ed. Parthasarathi Shome, International Tax Research and Analytics Foundation (ITRAF). <http://www.cchindiastore.com/taxation/base-erosion-profit-shifting-beps-global-taxation-agenda/p-14314-46466882839-cat.html>
 - Working Paper: Munich Personal RePEc Archive, MPRA Working Paper No. 80042. <https://mpra.ub.uni-muenchen.de/80042/>
- 'Public Finance', Chapter in Quarterly Review of Economy, Q3:2015-16, Q3-Q4:2016-17, Q1-Q4: 2017-18. National Council of Applied Economic Research, New Delhi.

FELLOWSHIPS and GRANTS

- IGIDR Ph.D. Research Fellowship, 2012-2015.
- IGIDR M.Phil. Research Fellowship, 2008-2010.
- Travel Grant by Gesellschaft für Internationale Zusammenarbeit (GIZ), at the 71st Annual Congress of International Institute of Public Finance, at Trinity College Dublin, Ireland, August 20-23, 2015.
- Travel Grant by Institute of Fiscal Studies, London, July 8-9, 2015.

CONFERENCE PARTICIPATIONS

2022 (Online)

- Brown bag seminar at IEG, March 17th.
- International Conference on Contemporary Issues in Economics at XIM, Bhubneshwar (Feb 4-5th and 7th).

2021 (Online)

- Research Seminar at Xavier Institute of Economics, Bhubneshwar, December 10th.
- Research Seminar at IEG, Sep 10th.
- NIPFP-IIPF International Conference, June 29-30.
- Annual conference of Development Studies Association, June 28 – 30.
- Dvara Research Foundation, March 30, 2021 (Invited talk)
- STEG Annual Conference, Jan 13-15th.
- 6th International Conference on "South Asian Economic Development", South Asian University, New Delhi, Feb 25-27th.
- 3rd Annual Conference on 'Women in the Economy', IWWAGE, ISI, New Delhi, March 11-13th.

2020 (Online)

- Brown Bag Seminar at NCAER, Nov 6th.
- Research seminar at IEG, Nov 26th.
- Winter School, Delhi School of Economics, Dec 14-17th.

2018-2019

- CDE and DSE seminar series, New Delhi, November 7, 2019. With Sanjukta Das.
- NIPFP seminar series, New Delhi, August 9, 2019. With Sanjukta Das.
- Brown Bag Session, NCAER, New Delhi, March 21, 2018.

2017-2014

- Annual Conference of Italian Society of Public Economics, University of Catania, Italy, Sep 20-21, 2017.
- Conference on “Public Economics and Policy”, NIPFP, New Delhi, March 23-24, 2017.
- 16th Annual Conference on Macroeconomics and Finance, IGIDR Mumbai, Dec 19-20, 2016.
- 34th Annual conference of Indian Association for Research in National Income and Wealth, IGIDR Mumbai, Nov 20-21, 2015.
- 71st Annual Congress of International Institute of Public Finance, Ireland. August 20-23, 2015.
- Masterclass organized by Gesellschaft für Internationale Zusammenarbeit (GIZ), 71st Annual Congress of International Institute of Public Finance, Ireland, August 20-23, 2015.
- Conference on “Improving Productivity in Developing Countries: Identifying Bottlenecks and Obstacles to Productive Investments and Technology Adoption”, Institute of Fiscal Studies, London, July 8-9, 2015.
- 2nd ISI - IGIDR Ph.D. workshop, Indian Statistical Institute, Kolkata, March 18-20, 2015.
- Conference on “Public Economics and Policy”, NIPFP, New Delhi, March 12-15, 2015.
- Annual Conference of Italian Society of Public Economics, University of Pavia, Italy, Sep 25-26, 2014.
- Presented M.Phil. Thesis paper at the conference “The MGNREGA in India: Taking Stock, Looking Ahead”, organized by I.G.I.D.R., I.F.P.R.I., and Cornell University, March 26-28, 2014, at IGIDR Mumbai.

OTHER SEMINARS / WORKSHOPS

- **Conducted ‘One Day Data Analysis Workshop using STATA’** for Undergrad students and faculty members, The Finance and Investment Cell, ARSD College, University of Delhi, September 4, 2019.
- **Workshop on Basics of Spatial Econometrics, NCAER, New Delhi, Jan 15, 18, 2018.**

Imparted training to colleagues at NCAER on basics of spatial econometrics. The content of the workshop included: handling spatial data, building spatial weight matrices, estimation of different types of spatial models using STATA, GeoDA.

TECHNICAL SKILLS

Working knowledge of ArcGIS and QGIS; and Advanced knowledge of STATA, GeoDa.

MEMBERSHIPS

Member of Indian Association for Research in National Income and Wealth, New Delhi, India.

Member of Development Studies Association, UK.

REFERENCES

Dr. Ajit Mishra, Senior Lecturer, Dept. of Economics, University of Bath, UK. Email: A.Mishra@bath.ac.uk

Dr. Shashanka Bhide, Senior Advisor, NCAER, New Delhi. Email: sbhide@ncaer.org

Dr. Ashima Goyal, Emeritus Professor, IGIDR, Mumbai. Email: ashima@igidr.ac.in

Dr. Rupayan Pal, Professor, IGIDR, Mumbai. Email: rupayan@igidr.ac.in

PERSONAL DETAILS

Date of Birth: 30/09/1986 Marital Status: Married

Nationality: Indian Languages known: Punjabi (Native), Hindi, and English.