

Smruti Ranjan Behera

Contact Information

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Dept. of Humanities and Social Sciences
Indian Institute of Technology Ropar
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House No. A-4, Faculty Quarters, Type IV,
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Education

Ph.D. Economics, Department of Economics, Delhi School of Economics (DSE), University of Delhi, 2013 (Thesis submitted on March 6, 2012, and degree awarded on January 23, 2013)

Thesis title: *Foreign Direct Investment and Technology Spillover: An Analysis within or between Select Industries of Indian Manufacturing Sector*

Thesis Advisor: Prof. Pami Dua and Prof. Bishwanath Goldar

M.Phil. Economics, University of Delhi, 2006 (Thesis submitted in 2005, and degree awarded in 2006)

Thesis title: *Foreign Direct Investment and Export Competitiveness: An Analysis of Food Processing Industries in India*

MA Economics, Utkal University, Bhubaneswar, 2001 (with Specialization, Mathematical Economics, and Econometrics)

B.A. (Hons.) Economics, Christ College, Utkal University, Bhubaneswar, 1998 (Specialization, Mathematical Economics, Mathematics)

Academic Appointments

December 11 2019-Present, Associate Professor, Dept. of Humanities and Social Sciences (HSS), Indian Institute of Technology Ropar, Punjab, India

March 14, 2013- December 10, 2019, Assistant Professor, Dept. of Humanities and Social Sciences (HSS), Indian Institute of Technology Ropar, Punjab, India

July 21, 2008- March 13, 2013, Assistant Professor, Dept. of Economics, Shyamlal College, University of Delhi.

July 17, 2006- April 30, 2008, Ad-hoc Lecturer in the Dept. of Economics, Shyamlal College, University of Delhi

December 1, 2004- January 31, 2005, Working as Research Consultant at Institute of Economic Growth, Delhi under the guidance of Prof N. S. Sidharthan, Delhi University Enclave North Campus Brief job profile: Research in agglomeration economies, specifically related to the automotive and automobile industries in India

Visiting/Adjunct faculty for the short term

April-May, 2018, Resource person (visiting position), Centre for Research in Rural and Industrial Development, Chandigarh, India

2017-18 (August-November, 2017), Short term visiting position, Dept. of Economics, College of Management and Economics Studies, University of Petroleum and Energy Studies, Dehradun, Uttarakhand, India

Visiting as a resource person, and course moderators

Centre for Research in Rural and Industrial Development (CRRID), Chandigarh, India

Ph.D. Level: Simultaneous Equation Models and Panel Data Models to the Ph.D. students enrolled in CRRID and Punjab University

University of Petroleum and Energy Studies, Dehradun, India

PG Level: Economics and Management Decisions (Managerial Economics) for MBA in Aviation Management (MBA in AVM) and MBA in Port and Shipping Management (MBA in PSM)

Indian Institute of Technology Ropar, Rupnagar, Punjab

U.G. Level: Principles of Economics (POE), Topics in Econometrics, International Economics and Finance, Topics in Macroeconomics, Economics for Managers and Engineers

PG/MS/Ph.D. level: Applied Econometrics, Advanced Topics in Economic Geography and Urban Economics, Topics in International Economics

Shyamlal College (Delhi University)

U.G. Level: B.A. Eco. (Hons.) Mathematical Methods in Economics, Macroeconomics, and Introductory Econometrics

Satyawati College (Delhi University): B.A. Eco. (Hons.) Courses: Public Economics and Macroeconomics

Keshav Mahavidyalaya (Delhi University): B. Com. (Hons) Courses in Macroeconomics

Editorial Assignment

Urban Transportation & Construction (Editorial Board Member, Since March 2018)

Academic Scholarship, Honours, and Awards

2001 (Gold Medal) First Rank in M. A. (Economics) Ravenshaw College/Utkal University, Bhubaneswar

2006 UGC NET qualified, University Grant Commission, Govt. of India

Field of Interest and research

Open economy macroeconomics, Applied Econometrics, FDI and Technology Spillover, Agglomeration Economies, and Regional Spillover, S-I Dynamics, Current Account Dynamics, and International Capital Mobility, Resource and Energy Economics

Published Articles in Referred Journals

- Behera, S.R. Forthcoming. Dynamics of capital account and current account in India: Evidence from threshold cointegration with asymmetric error correction. *Applied Economics Letters* (Taylor and Francis Journals) (with L. Mallick and R.V R. Murthy) <https://doi.org/10.1080/13504851.2021.1990836>
- Behera, S. R. 2021. Does the twin deficit hypothesis exist in India? Empirical evidence from an asymmetric non-linear cointegration approach. *The Journal of Economic Asymmetries* 24, p. e00219 (Elsevier Publication) (with L. Mallick and R.V R. Murthy) <https://doi.org/10.1016/j.jeca.2021.e00219>
- Behera, S.R. 2021. In press. What Drives Energy Consumption in BRICS countries? Evidence from ARDL Bounds Testing Approach. *The Singapore Economic Review* p.2150053 (World Scientific Publishing Co. Pte. Ltd.) (with T. Mishra, D.P. Dash, & L. Mallick) <https://doi.org/10.1142/S0217590821500533>
- Behera, S.R. 2021. Assessment of interstate dynamics of virtual water trade flows in primary crops production: Empirical evidence from India. *Economics Bulletin* (with R.R. Chopra) <http://www.accessecon.com/pubs/eb/>
- Behera, S.R. 2020. Does trade openness affect economic growth in India? Evidence from threshold cointegration and asymmetric adjustment approach. *Cogent Economics & Finance* (Taylor and Francis Journals) (with L. Mallick) 8(1), 1782659. [DOI:10.1080/23322039.2020.1782659](https://doi.org/10.1080/23322039.2020.1782659)

- Behera, S.R., 2020. Governance, Urbanization, and Pollution: A Cross-Country Analysis of Global South Region. *Cogent Economics & Finance* 8(1), p.1742023 (Taylor and Francis Journals) (with D. P. Dash) <https://doi.org/10.1080/23322039.2020.1742023>
- Behera, S.R., 2020. Does CPI Granger Cause WPI? Empirical Evidence from Threshold Cointegration and Spectral Granger Causality Approach in India. *The Journal of Developing Areas* 54(2): 109-125 (College of Business; Tennessee State University) [with L. M. Mallick and D.P. Dash] <https://doi.org/10.1353/jda.2020.0019>
- Behera, S.R., 2019. Trade Liberalization and Productivity of Indian Manufacturing Firms. *Indian Growth and Development Review* (Emerald Insight) [with B. N. Goldar and I. Chawla] <https://doi.org/10.1108/IGDR-10-2018-0108>
- Behera, S.R., 2019. Purchasing Power Parity Tests in Cointegrated Panels: Evidence from Newly Industrialized Countries. *Journal of Economic Development* 44(1): 69-95 (The Economic Research Institute of Chung-Ang University (Korea)) [10.35866/caued.2019.44.1.004](https://doi.org/10.35866/caued.2019.44.1.004)
<http://jed.or.kr/full-text/44-1/4.pdf>
- Behera, S.R., and D. P. Dash. 2017. The Effect of Urbanization, Energy Consumption, and Foreign Direct Investment on the Carbon Dioxide Emission in the SSEA (South and Southeast Asian) Region. *Renewable and Sustainable Energy Reviews* 70:96-106 (Elsevier Publication) <https://doi.org/10.1016/j.rser.2016.11.201>
- Behera, S. R., 2017. Saving-Investment Dynamics and Capital Mobility in the Newly Industrialized Countries. *The Singapore Economic Review* 62 (2): 403-422 (World Scientific Publishing Co. Pte. Ltd.) DOI: [10.1142/S0217590815500976](https://doi.org/10.1142/S0217590815500976)
- Behera, 2017. Regional Foreign Direct Investment and Technology Spillover: Evidence across Different Clusters in India. *Economics of Innovation and New Technology* 26(7): 596-620 (Taylor and Francis Journals) DOI: [10.1080/10438599.2016.1254850](https://doi.org/10.1080/10438599.2016.1254850)
- Behera, S.R., 2016. Current Account Dynamics and Capital Mobility in the Newly Industrialized Countries. *International Review of Applied Economics* 30(4): 441-461 (Taylor and Francis Journals) DOI: [10.1080/02692171.2015.1122744](https://doi.org/10.1080/02692171.2015.1122744)

- Behera, S. R., 2015. Technology Spillover and Determinants of Foreign Direct Investment: An Analysis of Indian Manufacturing Industries. *Journal of Economic Development* 40 (3): 55-83 (The Economic Research Institute of Chung-Ang University (Korea)) DOI: [10.35866/caujed.2015.40.3.003](https://doi.org/10.35866/caujed.2015.40.3.003) <http://www.jed.or.kr/full-text/40-3/3.pdf>
- Behera, S. R., 2015. International Capital Mobility and Saving-Investment Relationship in India. *Economics Bulletin* 35 (1): 430-440 (Published from Vanderbilt University USA). <http://www.accessecon.com/Pubs/EB/2015/Volume35/EB-15-V35-I1-P47.pdf>
- Behera, S. R., 2015. International Capital Mobility and Saving-Investment Relationship in the Newly Industrialized Countries. *International Review of Applied Economics* 29 (3):287-308. (Taylor and Francis Journals) DOI:[10.1080/02692171.2014.983051](https://doi.org/10.1080/02692171.2014.983051)
- Behera, S. R., 2015. Saving-Investment Dynamics and Capital Mobility in the BRICS. *Applied Econometrics and International Development* 15 (1): 1-22 (Euro-American Association of Economic Development Studies) <http://www.usc.es/economet/reviews/aed1511.pdf>
- Behera, S. R., 2015. Do domestic firms really benefit from foreign direct investment? The role horizontal and vertical spillovers and absorptive capacity. *Journal of Economic Development* 40 (2): 57-86 (The Economic Research Institute of Chung-Ang University, Korea) DOI:[10.35866/caujed.2015.40.2.003](https://doi.org/10.35866/caujed.2015.40.2.003) <http://www.jed.or.kr/full-text/40-2/3.pdf>
- Behera, S.R., 2014. Local Firms Productivity Spillover from Foreign Direct Investment: A Study of Indian Manufacturing Industries. *International Journal of Technological Learning, Innovation, and Development* 7 (2): 167-190. (Inderscience Enterprises Ltd.) DOI: [10.1504/IJTLID.2014.065883](https://doi.org/10.1504/IJTLID.2014.065883)
- Behera, S.R., P. Dua, and B. N. Goldar. 2012. Foreign Direct Investment and Technology Spillover: Evidence across Indian Manufacturing Industries. *The Singapore Economic Review* 57 (2):1250011-23. (World Scientific Publishing Co. Pte. Ltd.) DOI: [10.1142/S0217590812500117](https://doi.org/10.1142/S0217590812500117)
- Behera, S. R., 2009. FDI and Export Competitiveness: An Analysis of the Food Processing Industry in India. *AJUB Journal of Business and Economics (AJBE)* 8 (2): 1- 22.

Books

Behera, S.R., and S. Pradhan. 2011. Technology and Competitiveness: An Analysis of Automobile Industry of India in Bimal K. Mohanty (Ed.), *Economic Development in India: Issues and Challenges*, New Century Publications, New Delhi.

Articles under Review

- FDI inflows and urbanization: A cross-country comparison from Asia, Africa, and Latin America
- Walking Hand-in-Hand through Ups and Downs? Evidence from Oil-Gold Asymmetric Price Transmission in India
- Does Urbanization and Immigration Cause Crime: Evidence from OECD Countries
- The dynamics relationship between exchange rate and trade balance in India: Evidence from threshold cointegration and asymmetric error correction analysis
- Religious Freedom and Trade Openness-Economic Growth Nexus

Work in Progress

- Foreign Direct Investment and Innovative Performance of Local Firms: Evidence across Indian Manufacturing Industries
- Energy Consumption, Foreign Direct Investment, Urbanization, and Carbon Dioxide Emission: A Cross-country Perspective
- Industrialization and Temperature Variation in Mega-City: Empirical Evidence from the City of Delhi
- Current Account Dynamics and Capital Mobility in the Developing Countries
- Investigating the tourism-induced EKC hypothesis in India: Evidence from ARDL Bound Testing Model

Referring to Journals

Indian Economic Review (Delhi School of Economics)

Journal of Economic Development (Chung-Ang University, Korea)

Public Finance Review (Sage)

Journal of International Trade and Economic Development (Taylor and Francis)

Journal of Asia Pacific Economy (Taylor and Francis)

International Review of Applied Economics (Taylor and Francis)

Journal of Financial Economic Policy (Emerald)

Economics of Innovation and New Technology (Taylor and Francis)

International Journal of Finance and Economics (Wiley)

Singapore Economic Review (World Scientific)

Journal of Economic Studies (Emerald)

Review of Industrial Organization (Springer)

Energy Economics (Elsevier), Energy (Elsevier)

Journal of Developing Areas (Tennessee State University, USA)

Journal of Asia Pacific Economy (Taylor & Francis)

International Review of Economics and Finance (Elsevier)

Social Indicators Research (Springer)

Sponsored Projects & Consultancy

- Agglomeration Economies, Knowledge Spillover, and Productivity in Indian Manufacturing Industries. Funded by Indian Institute of Technology Ropar, Punjab, India (Rs. 3/-Lakh) Completed: July 2014-July, 2016
- Foreign Direct Investment and Innovative Performance of Local Firms: Evidence across Indian Manufacturing Industries (Funded by Indian Council of Social Science Research (ICSSR), New Delhi, India (Rs. 7.50/- Lakh) Completed: 2018-2021

Conference, Workshop & Seminar

- 2020: 56th Annual Conference of the Indian Econometric Society, January 8-10, 2020, the School of Economics, Madurai Kamaraj University, Madurai, India
- 2019: Singapore Economic Review Conference, 5-7 August 2019, Mandarin Orchard Hotel, Singapore

55th Annual Conference of the Indian Econometric Society, 8-10 January 2019, NISM Patalganga Campus, Raigad, Maharashtra, India

- 2018: 6th IIFT Conference on Empirical Issues in International Trade & Finance, December 13-14, 2018, New Delhi.

Winter School, Delhi School of Economics, December 10-13, 2018, Delhi, India

54th Annual Conference of the Indian Econometric Society, 7-9 March 2018, Shri Mata Vaishno Devi University, Katra, Jammu, India

- 2016: 5th IIFT Conference on Empirical Issues in International Trade and Finance, 16-17 December, IIFT Kolkata Campus, Kolkata India

53rd Annual Conference of the Indian Econometric Society, 22-24 December, NISER, Bhubaneswar, India

Initiative on Climate Adaptation Research and Understanding through the Social Sciences (ICARUS)-V, June 30-July 2, 2016, Indian School of Business, Hyderabad, India.

52nd Annual Conference of the Indian Econometric Society, January 4-6, 2016, Indian Institute of Management, Kozhikode, Kerala, India.

- 2015: International Conference on Institutions, Reforms, and Economic Development, September 19- 20, 2015, School of Economics, Peking University, Beijing, China.

- 2014: Empirical Issues in International Trade and Finance at New Delhi, 18-19 December 2014, Conference organized by Indian Institute of Foreign Trade, New Delhi.

- 2013: Structural Change, Dynamics and Economic Growth at Livorno, Italy, 12-14 September 2013, Conference organized by the University of Pisa, Italy.
50th Annual Conference of the Indian Econometric Society at IGIDR, Mumbai, December 22-24, 2013. Empirical Issues in International Trade and Finance III (Paper Presented), Organized by Indian Institute of Foreign Trade, Kolkata January 10-11, 2013.

- 2012: Asian Meetings of the Econometric Society (AMES) (Paper Presented), Hosted by Dept. of Economics, Delhi School of Economics, New Delhi, December 20-22, 2012.
48th Annual Indian Econometric Society Conference (TIES) (Paper accepted), Pondicherry University, Puducherry March 1-3rd, 2012.

- 2011: 7th Annual Conference on Economic Growth and Development (Paper presented), Indian Statistical Institute, New Delhi, 15-17th December 2011.

VI Annual International Conference of Knowledge Forum (Paper Presented) International Centre Goa, 18-20th November 2011. (Hosted by Dept. of Economics, Goa University).

13th Annual Conference on Money and Finance in the Indian Economy ((Paper accepted) IGIDR, Mumbai 24-26th February 2011.

47th Indian Econometric Society Conference (TIES) (Paper presented), The School of Future Studies and Planning, Devi Ahilya University, Indore January 6-8th, 2011.

- 2010: Second conference on Empirical Issues in International Trade & Finance (Paper presented) 16th and 17th December 2010, New Delhi. Organized by Indian Institute of Foreign Trade (IIFT) Delhi.
- 2009: Winter School (International Conference) (Paper presented), Delhi School of Economics, 11-14th December 2009. Organized by Delhi School of Economics.

Applied Statistics 2009 International Conference, September 20-23, 2009, Ribno (Bled) Slovenia. Hosted by the Statistical Society of Slovenia and the University of Ljubljana.

Third International Conference on Modeling Economic Dynamics (Paper accepted), Aug 20-22, 2009, London, UK. Organized by the University of Hull, London, UK.

National Conference on Corporate Sector, Industrialization and Economic Development in India (Paper presented), Institute for Studies in Industrial Development (ISID), New Delhi, and March 27-28, 2009.

Participated in a three-day workshop on a theme: "Productivity and Efficiency Analysis" Benchmarking for Performance Management," 5-7th January 2009 at India International Centre, Max Muller Marg, New Delhi-110003, organized by Centre for Development Economics, Delhi School of Economics (DSE).

I participated in a one-day workshop on "Financial Crisis and Recession" on March 17, 2009, at the School of International Studies (SIS), Jawaharlal University, New Delhi.

- 2008: 44th, the Indian econometric society (TIES) Conference (Paper presented), University of Hyderabad, 3-5th January 2008.

9th International Business Research Conference (IBR) (Paper accepted), Novotel Hotel, Melbourne, 24-26th November 2008, Australia, organized by the World Business Institute, Melbourne, Australia.

Empirical Issues in International Trade and Finance (EIITF) Conference (Paper presented) Convention Centre, Science City, Kolkata, 23-24th, December 2008, organized by the Indian Institute of Foreign Trade in association with the Centre for WTO Studies, New Delhi-India.

I participated in three days' Workshop on the Theme "New Techniques in Applied Economic Research," 15-17th December 2008, at the Institute of Economic Growth.

- 2007: 43rd the Indian Econometric Society (TIES) Conference (Paper presented), IIT Mumbai, 5- 7th of January, 2007.
- 2005: Participated in a national level workshop titled "International Food Safety Regulations and Processed Food Exports: A Comparative Study of India and Thailand" at Magnolia Hall, India Habitat Centre, New Delhi, August 13, 2005. Organized by Research and Information System for Developing Countries (RIS).

- 2004: Participated in a three-day symposium on the theme: Ten years of Women's Empowerment the Journey Ahead, organized by Institute of Social Science, Nelson Mandela Road, Delhi, at Siri-Fort Auditorium, during 23-25 April 2004.

Invited Talks

- August 17-18, 2017, Dept. of Economics, College of Management and Economics Studies, University of Petroleum and Energy Studies, Dehradun, Uttarakhand, India
- June 18, 2019, Resource Person for ICSSR Sponsored 10 Days Research Methodology Course for M.Phil./Ph.D. Scholars at Centre for Research in Rural and Industrial Development (CRRID), Chandigarh, India
- December 16, 2020, given an online lecture at IIT Ropar, the study's title: Factors influencing energy consumption and CO₂ emissions in BRICS countries: Empirical evidence from ARDL bounds testing and causality approach.
- 11- 13 October 2021, Invited for a Resource Person in an FDP to be organized by Venkateswara College (Delhi University) in collaboration with Hansraj College (Delhi University) between 11-18 October. The theme is '**Panel Data and its Application.**'

Seminar/Workshop Conducted at the Dept. and Institute level

- Industry-Academia Conclave (IAC-2016) conducted at IIT Ropar, May 9-10, 2016 (Sponsored by IIT Ropar)
- December 16, 2020, given an online lecture at IIT Ropar, the study's title: Factors influencing energy consumption and CO₂ emissions in BRICS countries: Empirical evidence from ARDL bounds testing and causality approach.

Ph.D. Scholar Degree Awarded

- **Devi Prasad Dash** (Thesis Title: *Three Essays in Urban Economics*) (Ph.D. awarded on September 20, 2018) Initial Appointment: Maharashtra Institute of Technology, World Peace University, Indian Institute of Management Rohtak, India presently at Indian Institute of Technology Jodhpur, Rajasthan, India.
- **Rita Rani Chopra** (Thesis Title: *Water Footprints and Social Wellbeing: A Case Study of India*) (In the final stage, Degree Awaited)

Current Ph.D. Scholar

- **Sugam Aggarwal** (Enrolled into the Ph.D. program, January 2018, Thesis Title: Geographical concentration of Manufacturing and Service Industries in India: Measurements and Determinants)

- **Pompi Chetia** (Thesis title: Impact of Innovation on Economic Performance, Employment, and Technology Spillovers: Evidence from Indian Manufacturing Industries)
- **Zubair Ahmad** (Enrolled in the Ph.D. program, August 2020)
- **Heena Dahiya** (Enrolled in the Ph.D. program, August 2020)
- **Dhanusha Pathirana** (Enrolled in the Ph.D. program as International Candidate, December 2020)

Ph.D. Thesis examiners

Lovely Professional University (Phagwara, Jalandhar, Punjab, India)

Proficiency in Statistics/Econometrics Software

LaTeX, EVIEWS, MICRO FIT, STATA, RATS, STATISTICA, MINITAB, R

Professional Affiliation

Life Member of The Indian Econometric Society (TIES) <http://www.tiesindia.net> (since 2008, life membership No. is L/2432/10-11)

Life Member of Forum for Global Knowledge Sharing (Knowledge Forum) <http://fgks.in/> (since 2012)

Life Member of the Indian Society for Ecological Economics (<http://ecoinsee.org/>) (since 2016, life membership No. is 434)

Member of the Regional Studies Association (U.K.) <https://www.regionalstudies.org/>

Developmental/Administrative Activities in Departmental/School/Institute

Seminar in Charge of the Dept. of HSS, IIT Ropar (July 2015-July 2016)

Website Development in charge of the Dept. of HSS, IIT Ropar (July 2015-August 2016)

Member of the Standing Committee for Industrial Relations, International, and Alumni Affairs (SCIRIA), IIT Ropar (July 2015-November 2017)

Purchase Committee, Dept. of HSS, IIT Ropar

Academic Council for undergraduate studies (ACUGS) Member, IIT Ropar

References (Available upon request)