

# RAJESH SHARMA

Assistant Professor (Grade I), Economics  
National Institute of Technology Kurukshetra

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## Education

- **PhD in Economics**, *Indian Institute of Technology Ropar, Punjab, India*, 2018  
Thesis titled “Essays in Banks, Financial Intermediation and Economic Growth in India”
- **Masters in Economics**, *Panjab University, Chandigarh, India*, 2012  
Percentage: 64.12
- **Bachelors in Science, PCM**, *Himachal Pradesh University, India*, 2007  
Percentage: 79.20

## PhD Supervision

### Delhi Technological University

#### Sole Supervision:

- **Mehak Nanda** (2020–2024)  
Thesis Title: *Out-of-pocket Health Expenditure in India: An Analysis of the Burden of Healthcare Costs*. Mehak Nanda is currently working as Assistant Professor at OP Jindal Global University, Sonapat, Haryana
- **Aashima** (2020–2024)  
Thesis Title: *Examining the Role of Health Insurance: Access, Equity, and Financial Risk Protection of Healthcare in India*. Aashima is currently working as Assistant Professor at NSUT, Delhi. Previously, she was working as Assistant Professor at Jaipuria Institute of Management, Noida Campus

#### Joint Supervision:

- **Charu Tayal** (Since January 2021 – April 2025 (Thesis Submitted))  
Thesis Title: *A Study on Maternal Healthcare in India*
- **Rahul Singh** (Since January 2023 – Ongoing)  
Thesis Title: [Thesis Title Pending]

### National Institute of Technology Kurukshetra

#### Sole Supervision:

- **Gourav Garg** (August 2023 – Ongoing)  
Thesis Title: [Thesis Title Pending]
- **Shipra Saini** (August 2023 – Ongoing)  
Thesis Title: [Thesis Title Pending]
- **Nisha Rathee** (January 2024 – Ongoing)  
Thesis Title: [Thesis Title Pending]

– **Sonam Saini** (January 2024 – Ongoing)  
Thesis Title: [Thesis Title Pending]

## Journal Publications

1. Sharma, R. & Bardhan, S. (2017). Finance growth nexus across Indian states: evidences from panel cointegration and causality tests. *Economic Change and Restructuring*, 50(1), 1-20. Springer. Impact Factor: 1.708.
2. Sharma, R., & Bardhan, S. (2017). Does regional financial development matter for growth? Evidence from Indian states. *International Economic Journal*, 31(4), 621-646. Taylor and Francis.
3. Sharma, R., & Bardhan, S. (2018). Stock Market Development and Economic Growth: Evidence from Bootstrap Panel Granger Causality Test. *Journal of Economic Development*, 43(3), 57-83.
4. Sharma, R. (2018). Health and economic growth: Evidence from dynamic panel data of 143 years. *PLoS One*, 13(10), e0204940. Impact Factor: 3.752.
5. Bardhan, S., Sharma, R., & Mukherjee, V. (2019). Threshold Effect of Bank-specific Determinants of Non-performing Assets: An Application in Indian Banking. *Journal of Emerging Market Finance*, 18(1\_suppl), S1-S34. Sage Publications.
6. Sharma, R. (2019). Breast cancer incidence, mortality and mortality-to-incidence ratio (MIR) are associated with human development, 1990–2016: evidence from Global Burden of Disease Study 2016. *Breast Cancer*, 26(4), 428-445. Springer. Impact Factor: 3.307.
7. Sharma, R. (2019). The burden of prostate cancer is associated with human development index: evidence from 87 countries, 1990–2016. *EPMA Journal*, 10(2), 137-152. Springer. Impact Factor: 8.836.
8. Bardhan, S., & Sharma, R. (2019). Does Local Financial Development Matter for Growth? Evidence from Indian Districts. In *Indian Economy: Reforms and Development* (pp. 253-286). Springer, Singapore. (Book Chapter)
9. Sharma, R. (2020). An examination of colorectal cancer burden by socioeconomic status: evidence from GLOBOCAN 2018. *EPMA Journal*, 11(1), 95-117. Springer. Impact Factor: 8.836.
10. Sharma, R. (2020). Descriptive epidemiology of incidence and mortality of primary liver cancer in 185 countries: evidence from GLOBOCAN 2018. *Japanese Journal of Clinical Oncology*, 50(12), 1370-1379. Oxford University Press. Impact Factor: 2.925.
11. Sharma, R. (2021). Global, regional, national burden of breast cancer in 185 countries: evidence from GLOBOCAN 2018. *Breast Cancer Research and Treatment*, 187(2), 557-567. Springer. Impact Factor: 4.624.
12. Sharma, R. (2021). Breast cancer burden in Africa: evidence from GLOBOCAN 2018. *Journal of Public Health*, 43(4), 763-771. Oxford University Press. Impact Factor: 5.058.
13. Sharma, R. (2021). Examination of incidence, mortality and disability-adjusted life years and risk factors of breast cancer in 49 Asian countries, 1990–2019: estimates from Global Burden of Disease Study 2019. *Japanese Journal of Clinical Oncology*, 51(5), 826-835. Oxford University Press. Impact Factor: 2.925.

14. Sharma, R. (2021). A Systematic Examination of Burden of Childhood Cancers in 183 Countries: Estimates from GLOBOCAN 2018. *European Journal of Cancer Care*, e13438. Wiley. Impact Factor: 2.328.
15. Nanda, M., Sehgal, A., & Sharma, R. (2021). COVID-19: A Comprehensive Review of Epidemiology and Public Health System Response in Nordic Region. *International Journal of Health Services*, 51(3), 287-299. Sage Publications. Impact Factor: 1.851.
16. Sehgal, A., Nanda, M., & Sharma, R. (2021). A Review of Patient Satisfaction and Experience with Telemedicine: A Virtual Solution During and Beyond COVID-19 Pandemic. *Telemedicine and e-Health*, 27(12), 1325-1331. Impact Factor: 5.033.
17. Nanda, M., & Sharma, R. (2021). Review of COVID-19 epidemiology and public health response in Europe in 2020. *Clinical Epidemiology and Global Health*, 12, 100882. Elsevier.
18. Sharma, R. (2022). Mapping of global, regional and national incidence, mortality and mortality-to-incidence ratio of lung cancer in 2020 and 2050. *International Journal of Clinical Oncology*, 1-11. Springer. DOI: <https://doi.org/10.1007/s10147-021-02108-2>. Impact Factor: 3.850.
19. Mubarik, S., Cao, J., Wang, F., Hussain, S.R., Liu, Q., Wang, S., Liu, Y., & Yu, C. (2022). Lifestyle and Socioeconomic Transition and Health Consequences of Breast Cancer in the East Asia Region, From 1990 to 2019. *Frontiers in Nutrition*, 9:817836. DOI: 10.3389/fnut.2022.817836. Impact Factor: 6.590.
20. Sharma, R., Abbasi-Kangevari, M., Abd-Rabu, R., et al. (2022). Global, regional, and national burden of colorectal cancer and its risk factors, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet Gastroenterology & Hepatology*. DOI: 10.1016/S2468-1253(22)00044-9. Impact Factor: 45.02.
21. Sharma, R., & Jani, C. (2022). Mapping Incidence, Mortality and Risk Factors of Leukemia and its subtypes in 21 World Regions in Last Three Decades and Projections to 2030. *Annals of Hematology*. Springer. Impact Factor: 4.030.
22. Sharma, R., et al. (2022). Mapping cancer in Africa: A comprehensive and comparable characterization of 34 cancer types using estimates from GLOBOCAN 2020. *Frontiers in Public Health*. Impact Factor: 6.461.
23. Sharma, R. (2022). A comparative examination of colorectal cancer burden in European Union, 1990–2019: Estimates from Global Burden of Disease 2019 Study. *International Journal of Clinical Oncology*, 1-12. Springer. Impact Factor: 3.850.
24. Nanda, M., Sharma, R., Mubarik, S., Aashima, A., Huang, J. (2022). Type-2 Diabetes Mellitus (T2DM): Spatial-temporal Patterns of Incidence, Mortality and Attributable Risk Factors from 1990 to 2019 among 21 World Regions. *Endocrine*. Impact Factor: 3.925.
25. Sharma, R., & Rakshit, B. (2022). Global burden of cancers attributable to tobacco smoking, 1990–2019: an ecological study. *EPMA Journal*. DOI: 10.1007/s13167-022-00308-y. Impact Factor: 8.836.
26. Sharma, R., & Rakshit, B. (2022). Spatial and temporal patterns of colorectal cancer in Asia, 1990–2019. *International Journal of Clinical Oncology*. DOI: 10.1007/s10147-022-02274-x. Impact Factor: 3.850.

27. Jani, C., Abdallah, N., Mouchati, C., Jani, R., Sharma, R., Bhatt, P., Hanbury, G., Salciccioli, J., Singh, H., Shalhoub, J., McKay, R.R. (2022). Trends of kidney cancer burden from 1990 to 2019 in European Union 15+ countries and World Health Organization regions. *Scientific Reports*, 12(1), 22368. Impact Factor: 4.996.
28. Rakshit, B., Jain, P., Sharma, R., & Bardhan, S. (2022). An empirical investigation of the effects of poverty and urbanization on environmental degradation: the case of sub-Saharan Africa. *Environment Science and Pollution Research*. Springer. Impact Factor: 5.190.
29. Huang, J., Ssentogo, P., & Sharma, R. (2022). Editorial: Cancer Burden, Prevention and Treatment in Developing Countries. *Frontiers in Public Health*. Impact Factor: 6.461.
30. Bui, et al. (2022). Willingness to receive COVID-19 vaccine in relation to psychological well-being among a sample of university students in Vietnam. *Middle East Current Psychiatry*. Scopus.
31. Sharma, R., & Rakshit, B. (2023). Global burden of cancers attributable to tobacco smoking, 1990–2019: an ecological study. *EPMA Journal*, 14(1), 167-182. Impact Factor: 6.00.
32. Nanda, M., & Sharma, R. (2023). Financial burden of injury care in India: evidence from a nationally representative sample survey. *Journal of Public Health*, 1-3. Impact Factor: 1.9.
33. Nanda, M., & Sharma, R. (2023). A comprehensive examination of the economic impact of out-of-pocket health expenditures in India. *Health Policy and Planning*, 38(8), 926-938. Impact Factor: 2.9.
34. Amini, M., Sharma, R., & Jani, C. (2023). Gender differences in leukemia outcomes based on health care expenditures using estimates from the GLOBOCAN 2020. *Archives of Public Health*, 81(1), 151. Impact Factor: 3.2.
35. Sharma, R. (2023). Temporal patterns of breast cancer incidence, mortality, disability-adjusted life years and risk factors in 12 South American Countries, 1990–2019: an examination using estimates from the global burden of disease 2019 study. *Breast Cancer Research and Treatment*, 202(3), 529-540. Impact Factor: 3.0.
36. Jani, C.T., Ahmed, A., Singh, H., Mouchati, C., Al Omari, O., Bhatt, P.S., Sharma, R., Farooq, M., Liu, W., Shalhoub, J., Marshall, D. (2023). Burden of AML, 1990-2019: Estimates from the global burden of disease study. *JCO Global Oncology*, e2300229. Impact Factor: 3.2.
37. Nanda, M., & Sharma, R. (2023). Financial burden of seeking diabetes mellitus care in India: Evidence from a Nationally Representative Sample Survey. *Health Care Science*, 2(5), 291-305. Scopus Indexed.
38. Aashima, & Sharma, R. (2023). Inequality and disparities in health insurance enrolment in India. *Journal of Medicine, Surgery, and Public Health*, 1, 100009. DOI: 10.1016/j.glmedi.2023.100009.
39. Aashima, & Sharma, R. (2024). A systematic review of the world's largest government sponsored health insurance scheme for 500 million beneficiaries in India: Pradhan Mantri Jan Arogya Yojana. *Applied Health Economics and Health Policy*, 22(1), 17-32. Impact Factor: 3.1.
40. Aashima, & Sharma, R. (2024). Is health insurance really benefitting Indian population? Evidence from a nationally representative sample survey. *The International Journal of Health Planning and Management*, 39(2), 293-310. Impact Factor: 1.9.

41. Sharma, R., Abbastabar, H., Abdulah, D.M., Abidi, H., Abolhassani, H., Abrehdari-Tafreshi, Z., Absalan, A., Ali, H.A., Abu-Gharbieh, E., Acuna, J.M., Adib, N. (2024). Temporal patterns of cancer burden in Asia, 1990–2019: a systematic examination for the Global Burden of Disease 2019 study. *The Lancet Regional Health-Southeast Asia*, 21.
42. Aashima, & Sharma, R. (2024). An examination of inter-state variation in utilization of healthcare services, associated financial burden and inequality: Evidence from Nationally Representative Survey in India. *International Journal of Social Determinants of Health and Health Services*, 54(3), 206-223. Impact Factor: 3.4.
43. Sharma, R. (2024). Burden of stomach cancer incidence, mortality, disability-adjusted life years, and risk factors in 204 countries, 1990–2019: an examination of Global Burden of Disease 2019. *Journal of Gastrointestinal Cancer*, 1-3. Impact Factor: 1.6.
44. Tayal, C., Sharma, R., & Lata, K. (2024). Association between women’s autonomy and reproductive health outcomes in India. *Journal of Medicine, Surgery, and Public Health*, 4, 100156.
45. Tayal, C., Sharma, R., & Lata, K. (2024). Evidence from maternal healthcare services in South Asia: Demography vs. healthcare. *International Journal of Healthcare Management*, Advance online publication, 1-3.
46. Sharma, R., & Khubchandani, J. (2024). Global, Regional, and National Burden of Tracheal, Bronchus, and Lung Cancer in 2022: Evidence from the GLOBOCAN Study. *Epidemiologia*, 5(4), 785-795.
47. Tayal, C., Sharma, R., & Lata, K. (2025). Examining maternal healthcare service utilization as a determinant of child health outcomes in India: Demographic and Health Survey 2019–21. *Children’s Health Care*, 1–22.
48. Tayal, C., Sharma, R., & Lata, K. (2025). Concomitant factors influencing breastfeeding practices in India: Evidence from Demographic and Health Survey 2019–21. *Global Social Welfare*, 1–14.
49. Tayal, C., Sharma, R., & Lata, K. (2025). Temporal Impact of Socioeconomic Deprivation on Child Health Outcomes in India: Evidence from Demographic Health Survey 2015-21. *International Journal of Social Determinants of Health and Health Services* (accepted).

## Book Chapters

1. Bardhan, S., & Sharma, R. (2019). Does Local Financial Development Matter for Growth? Evidence from Indian Districts. *Indian Economy: Reforms and Development: Essays in Honour of Manoj Kumar Sanyal*, 253–286.
2. Bardhan, S., & Sharma, R. (2022). Sectoral Growth and Sectoral Credit: Panel Evidence from Indian States. In *Revisiting the Indian Financial Sector: Recent Issues and Perspectives* (pp. 121–147). Singapore: Springer Nature Singapore.

## Conference Presentations

- Presented paper on “Finance Growth Nexus across Indian States” at Indian Econometric Conference, Mumbai, 2016.
- Presented paper on “Stock Market Development and Economic Growth” at Indian Finance Conference, IIM Bangalore, 2017.

- Attended workshop on “Advanced Econometric Techniques” at IIT Kanpur, 2019.
- A paper titled “The Paradox of Finance and Growth: Does good financial system lead to bad growth in India?” was presented in 1st research scholar workshop held at Indian Institute of Technology Ropar on 26th July, 2014.
- A paper titled “The Paradox of Finance and Growth: Does good financial system lead to bad growth in India?” was presented in 1st research scholar workshop held at Indian Institute of Technology Ropar on 26th July, 2014.
- A paper entitled “Finance Growth Nexus across Indian States: New Evidences from Panel GMM” was presented in 1st research scholar workshop held at Indian Institute of Technology Ropar on 26th July, 2014.
- A paper titled “Bank Specific Determinants of Non-performing Assets across Indian Banking Sector: New Evidences from Threshold Model” was presented at India Finance Conference held at Indian Institute of Management (IIM) Calcutta on 17-19th December, 2015.
- Attended workshop titled “Productive Efficiency: Theory and Practice” from 30th May to 8th June 2016 held at Indian Institute of Technology Bhubaneswar.

## Online Certifications

Completed the following online courses (MOOC):

1. Financial Markets - Coursera (Yale University), 2014
2. An Introduction to Interactive Programming in Python (Part 1) - Coursera (Rice University), 2015
3. Programming for Everybody (Python) - Coursera (University of Michigan), 2015
4. Introduction to Programming with MATLAB - Coursera (Vanderbilt University), 2015
5. Evaluating Social Programs - EDX (JPAL (MITx)), 2015
6. Introduction to Computer Science and Programming Using Python - EDX (MITx), 2015
7. Data Analysis and Statistical Inference - Coursera (Duke University), 2015
8. Foundations of Development Policy - EDX (MITx), 2015
9. Understanding Clinical Research: Behind the Statistics - Coursera (University of Capetown), 2015
10. Data Analysis for Life Sciences 2: Introduction to Linear Models and Matrix Algebra - EDX (HarvardX), 2016
11. Statistical Thinking for Data Science and Analytics - EDX (ColumbiaX), 2016
12. Principle of Economics with Calculus - EDX (California Institute of Technology), 2016
13. Analytics Edge - EDX (MITx), 2016
14. Introduction to R Programming - EDX (Microsoft), 2016
15. Computational Probability and Inference - EDX (MITx), 2016
16. Data Analysis for Social Scientists - EDX (MITx), 2016

17. Microeconomics - EDX (MITx), 2016
18. Python for Research - EDX (HarvardX), 2017
19. Introduction to Probability: The Science of Uncertainty - EDX (MITx), 2017

## **Courses Taught**

### **Delhi Technological University**

#### **BA (Honors) Economics:**

- Mathematical Methods for Economics I
- Mathematical Methods for Economics II
- Basic Mathematics and Statistics

#### **MBA:**

- Managerial Economics
- Financial Modelling

### **National Institute of Technology Kurukshetra**

#### **B.Tech:**

- Economics for Engineers
- Business Studies
- Financial Education

## **Language Proficiency**

- English, Punjabi, Hindi, German (Beginner), Spanish (Beginner)

## **Computer Proficiency**

- Microsoft Office
- Statistical Software: R, Python (Beginner Level), Stata

## **Other Information**

- Associate Editor: BMC Public Health (IF: 4.135), Plos Global Public Health, Healthcare Science (Wiley)
- Guest Associate Editor: Frontiers in Public Health
- Reviewer: Lancet Oncology, Lancet Public Health, Lancet Regional Health Southeast Asia, Frontiers in Oncology, EClinicalMedicine, PLOS Global Public Health, Public Health, BMJ Open, BMC Cancer, BMC Health Services Research, Development Studies Research
- Member, Department Research Committee, USME, Delhi Technological University (Previous Organisation)

- Member, Department Research Committee, HSS, NIT Kurukshetra
- Member, Department Advisory Committee, HSS, NIT Kurukshetra
- Member, Department Purchase Committee, HSS, NIT Kurukshetra
- Time-table Incharge, HSS, NIT Kurukshetra