

SATYENDRA KUMAR GUPTA

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CAREER SUMMARY

Trained as an engineer, interested in evolution of human behaviour, and currently working as an applied microeconomist in academics. Advancing knowledge base in development issues, mainly poverty and gender, and the role of institutions and culture in persistence of traditions and norms. Mentoring and coaching young minds in the university. Previously, using and quantitative skills led technical multilingual teams in software product development projects in India, Italy, France, and USA.

EDUCATION

PhD (Economics)

Nanyang Technological University Singapore

Dissertation: "Essays on Civil Conflict, Political Regimes and Natural Endowment"

M.Phil (Economics)

Indira Gandhi Institute of Development Research, Mumbai

Dissertation: "Understanding Multi-Reserve Currency World"

MBA (General management)

Lancaster University Management School, United Kingdom

Case study: "Identifying Causes of Failure of Crop Insurance in India and Recommending Innovative Approach for Developing New Crop Insurance Schemes"

B.Tech (Mech. engineering)

Indian Institute of Technology Kanpur

Internship: "A distributed automatic air traffic management system" INRIA Grenoble, France in 2000

EXPERIENCE IN ACADEMICS

Assistant Professor of Economics

Delhi School of Economics, University of Delhi

Courses taught: Econometrics; Financial Markets; Macroeconomics; Mathematics

Jindal School of Government and Public Policy

Courses taught: Money, Banking, and Finance; Mathematics; Environmental Economics

Indian Institute of Management Rohtak

Courses taught: Econometrics; Culture and Institutions; Macroeconomics

RESEARCH OUTPUT

PUBLISHED PAPERS

[9] "Irrigation and Intimate Partner Violence in India" (with Per G Fredriksson). **Journal of Development Studies**. DOI: 10.1080/00220388.2024.2401424

[8] "Irrigation and Gender Roles" (with Per G Fredriksson). **Journal of Development Economics** 163 (2023), 103076 (*Lead Article*)

[7] "Legal heritage and urban slums" (with Per G Fredriksson, Weihua Zhao, and Jim R. Wollscheid), **Journal of Regional Science** 63 (2022), 236 – 252

[6] "Land Productivity and Colonization" (with Per G Fredriksson), **Economic Modelling** (2022)

[5] "Legal Origins and Government COVID-19 Control Measures" (with Per G Fredriksson), **Applied Economics Letters** (2020)

[4] "Crop Yield and Democracy" (with James B. Ang and Per G Fredriksson). **Land Economics**, 96 (2) (2020), 265-290.

[3] "Agricultural Yield and Conflict" (with James B. Ang). **Journal of Environmental Economics and Management**, 92 (2018), 397-417.

- [2] "The Neolithic Revolution and Contemporary Sex Ratios" (with Per G Fredriksson). **Economics Letters** 173 (2018), 19-22.
- [1] "Reserve Currencies: Can Multiplicity Work?" (with Ashima Goyal). **Journal of International Commerce, Economics and Policy**, 08, 1750011 (2017).

WORKING PAPERS

"Irrigation and Intimate Partner Violence in India" (with Per G Fredriksson). (R&R)

"Segmentary Lineages and Female Leadership in Sub-Saharan Africa" (with Per G Fredriksson & Jiong Zhu).

WORK IN PROGRESS

"Entrepreneurship" (with Per G Fredriksson)

"Herding and Sex Ratio in Sechwan" (with Per G Fredriksson & Jiong Zhu).

"Cultural Clash" (with Per G Fredriksson & Le Wang).

"Natural Disasters and Politicians"

ADMINISTRATIVE EXPERIENCE (ACADEMIC INSTITUTIONS)

IIM Rohtak

Led Fellow Program in Management (equivalent to PhD); Developed international exchange program for students and faculty with two universities in Europe; Initiated research seminar by experts in economics and management streams in India and China.

Delhi School of Economics

Member of 4 member committee organising Winter School 2022.

EXPERIENCE IN CORPORATES

| | | |
|---|---|----------------------|
| Technical Lead | Nagarro Software Pvt Ltd (Gurgaon, India) | Aug 2006 - Sept 2007 |
| Successfully led two offshore projects, total revenue of US\$0.5 million per annum, for different clients (USA and Germany based) with total team size of around 17 software and quality assurance engineers. Involved through full lifecycle of the projects and implemented project management methodologies (PMI) by maintaining processes for risk, budget and resource management. | | |
| Project Leader | Final Quadrant Pvt Ltd (Noida, India) | Nov 2005 - Aug 2006 |
| Led performance improvement of one of the core module. Implemented project management methodologies for acquiring the CMMI level V certification. | | |
| Senior Software Engineer | Vichara Pvt Ltd (Gurgaon, India) | Jan 2005 – Oct 2005 |
| Developed IT solutions to report real time ticker prices at a leading stock exchange. | | |
| Expert Engineer | LORIA/INRIA (Nancy, France) | Dec 2003 – Nov 2004 |
| Developed new algorithms for Natural language processing and Meta search for subtitles while broadcasting same programs in one language in EU through IDTV. Developed prototypes for testing algorithms and integrating solutions with the Set Top Box. | | |
| Research Assistant | GraphiTech Fondazione (Trento, Italy) | May 2003 – Sep 2003 |

Contributed in classification and selection of hardware /software for new research lab facility.
Mentored and guided two graduate students for their summer projects.

Application Engineer Tata Technologies Pvt Ltd

July 2001 – Apr
2003

Contributed in development of a platform & language for CAD design

TECHNICAL REPORTS (COMPUTATIONAL LINGUISTICS FIELD)

Gupta S., Cruzlara S., Romary L., 2004, Handling Multilingual Content in Digital Media: The Multilingual Information Framework, In European Workshop on the Integration of knowledge, Semantic and Digital Media Technologies (EWIMT- 2004), London, UK.

Gupta S., Cruzlara S., Romary L., 2005, Implementing Multilingual Information Framework in Applications using Textual Display, In 7th International Conference on Enterprise Information Systems (ICEIS - 2005), Miami, USA.

Cruzlara S., Gupta S., Fernandez Garcia J., Romary L., Multilingual Information Framework for Handling Textual Data in Digital Media, In IEEE International Conference on Active Media Technology (AMT - 2005), Takamatsu, Japan.

CONFERENCES AND WORKSHOPS

- 17th Annual conference on Economic Growth and Development, **ISI, Delhi** (2022).
- Nordic conference on Development Economics 2021, **Norwegian School of Economics**.
- GLO (virtual) Young Scholar 2020, **Global Labor Organization**.
- Nordic conference on Development Economics 2019, **University of Copenhagen**.
- The 2018 Royal Economic Society Annual Conference, **University of Sussex**.
- 13th Annual conference on Economic Growth and Development, **ISI, Delhi** (2017).
- 12th Annual conference on Economic Growth and Development, **ISI, Delhi** (2016).
- 12th International conference, **Western Economic Association International (WEAI), Singapore** (2016).
- 2nd IGC-ISI Summer School in Development Economics, **ISI, Delhi** (2014).

INVITED SEMINARS

June 2020: **Indian Statistical Institute Delhi**; September 2019: **Delhi School of Economics**;
October 2018: **National Institute of Public Finance and Policy**.

March 2023: **Quantitative Methods in Research** in 16th Faculty Induction Programme by UGC-HRDC Ranchi University

SCHOLARSHIPS AND AWARDS

NTU Research Scholarship, Nanyang Technological University 2013–2017
IGIDR Research Scholarship, Indira Gandhi Institute of Development Research
2011–2013

PROFESSIONAL AFFILIATIONS

Member: Global Labour Organization
Review editor: Journal of Frontier in Climate

OTHER CERTIFICATIONS AND SKILLS

Project Management Professional (PMP) certification in 2006

Asset & Liability Management Course (Online) from INSEAD in 2008

Skills: Stata, LaTeX, R (basic), Python (basic)

Languages: English (fluent), Hindi (native)