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Amit S Ray

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Personal Details

Date and Place of Birth: 18 July, 1962; Calcutta (INDIA)

Nationality: Indian

Marital Status: Married, two children.

Education

1983-1988: **Oxford University**

M.Sc. (Economics for Development), Rank: First

D.Phil. (Economics), Supervisors: Paul Collier and Sanjaya Lall

Examiners: David Greenaway and Vijay Joshi

1980-1983: **Presidency College, Calcutta University**

B.Sc. (Economics, Honours), First Class, Rank: First

1978-1980: **St. Xavier's College, Calcutta**

Higher Secondary (Economics, Mathematics, Statistics), First Division

1967-1978: **Patha Bhavan School, Calcutta**

Secondary Certificate, First Division with Distinction

Employment

Professor of Economics, School of International Studies, Jawaharlal Nehru University, New Delhi, Jan 2000 – Present.

Associate Professor of Economics, School of International Studies, Jawaharlal Nehru University, New Delhi, June 1995 – Jan 2000.

Reader, Department of Economics, University of Calcutta, November 1994 – May 1995.

Assistant Professor of Economics (Reader's Grade), Dept of Humanities & Social Sciences, Indian Institute of Technology, Delhi, January 1992 – November 1994.

Fellow, Indian Council for Research on International Economic Relations (ICRIER), New Delhi, August 1990 – January 1992

Post Doctoral Fellow, International Food Policy Research Institute (IFPRI), Washington D.C., August 1988 – August 1990

Research Officer, University of Oxford, Institute of Economics and Statistics, August 1987 – August 1988

Lecturer (part-time), Mansfield College, University of Oxford, October 1986 – June 1987

Professional Assignments, Activities, Affiliations

- *Member-Secretary*, Committee on “India: Vision 2020”, Planning Commission, Government of India.
- *Consultant*, Planning Commission, Government of India, November 2001- January 2003
- *Associate Executive Editor*, Journal of Asian Economics, (North-Holland Journal).
- *Consultant (Honorary)*, Voluntary Health Association of India, New Delhi.
- *Consultant*, Indian Council for Research on International Economic Relations, New Delhi
- *Consultant*, UNCTAD, Geneva; Project on *South-South Trade*, May-Aug 1984.
- *Associate & Special Invitee*, Independent Commission on Health in India, New Delhi
- *Guest Faculty*, Indian Institute of Foreign Trade, New Delhi
- *Guest Faculty*, Academic Staff College, JNU
- *Guest Faculty*, Academic Staff College, Calcutta University
- *Member*, Technical Advisory Committee, SFMC (SIDBI Foundation for Micro Credit) Impact Assessment, EDA Rural Systems.
- *Life Member*, Indian Statistical Institute, Calcutta
- *Governing Body Member*, DIVA-India, New Delhi

Areas of Specialisation

- ***Economics of Development***: Technology & Technical Change, Foreign Direct Investment, International Trade, Economic Reforms, Human Development – Health and Education.
- ***Applied Econometrics***: Cross sectional and Panel Models

Teaching Experience

- *Economic Development, Applied Econometrics, Macroeconomics, Technology and Development (MA and M.Phil.)*: **Jawaharlal Nehru University** (1995 -present)
- *Microeconomics, International Trade and Development (M.Sc. and M.Phil.)*: **Calcutta University** (1994 – 1995).
- *Microeconomics, Macroeconomics, International Economics (B.Tech.)*: **Indian Institute of Technology, Delhi**, 1992 - 1994
- *Lectures on Economic Theory (P.G.Diploma), Tutorials on Development, International Economics, Mathematical Economics (PPE)*: **Oxford University**, 1985 - 1988

Academic Distinctions, Prizes and Awards

- Graduate Award, Wolfson College, Oxford; awarded to the top nine (out of 100+) incoming graduate students. (1985-88)
- Radhakrishnan Memorial Bequest Trust Award, Oxford University; awarded on a competitive basis to graduate students of Indian nationality at Oxford. (1985-87)
- George Webb-Medley Travel Grant, University of Oxford, for Field Trip to India as part of doctoral research. (1985)
- Overseas Research Student (ORS) Award, Government of U.K.; awarded in a nationwide competition to overseas students for research study in UK. (1984-87)
- Special Book Prize, St. Peter's College, Oxford; awarded for coming first in the M.Sc. examinations at Oxford University. (1984)
- Jubilee Post-Graduate (Merit) Prize, Calcutta University
- U.N.Ghosal Prize, Presidency College, Calcutta
- J.B.Sinha Book Prize, Presidency College, Calcutta

Selected Research Publications

Book/Monograph

- *The Emerging International Economic Order: A Third World Perspective*, South-South Solidarity, New Delhi, 2002.
- *The Political Economy of Rural Health Care in India*, VHAI Press: New Delhi, 2001.

Published Articles

"The Political Economy of Drug Quality: Changing Perceptions and Implications for the Indian Pharmaceutical Industry", *Economic and Political Weekly*, Vol.38 No.23, 7 June, 2003. (with S.Bhaduri)

"Technological Development in Indian Industry: Challenges and Options after the East Asian Crisis", Richard Hooley and J.H.Yoo (ed.), *The Post Financial Crisis Challenges for Asian Industrialization*, Elsevier Science (JAI): Amsterdam, 2002. (with S. Bhaduri).

"Multinational versus Expatriate FDI: A Comparative Analysis of the Chinese and Indian Experience", in T.N. Srinivasan (ed.), *Trade Finance and Investment in South Asia*, Social Science Press, New Delhi, 2001 (with Ashok Guha).

"R&D and Technological Learning in Indian Industry: Econometric Estimation of Research Production Function", *Oxford Development Studies*, Vol 29 No. 2, June 2001 (with S. Bhaduri).

"Are Foreign Firms Technologically More Active and Progressive? Evidence from the Indian Chemicals Industry", in J.R.Behrman et al (eds.), *Restructuring Asian Economies for the New Millennium*, Elsevier Science (JAI): Amsterdam, 2001.

"Real Exchange Rates and Manufactured Exports: A Study of India's Potential Exports to the USA", *Journal of Asian Economics*, Vol 9 (2), 1998. (with Bishnupriya Gupta)

"India's Economic Reforms in Progress: An Introductory Note", *Journal of Asian Economics*, Vol 8(3), 1997.

"A Statistical Profile of West Bengal Industry: Trends and Structural Changes 1976-1991", in A.Raychaudhury and D.Sarkar (eds.), *Economy of West Bengal: Problems and Prospects*, Allied, 1996.

"India's Export Performance and Policy Environment", in S.P.Gupta, Attar Hussain and Nicholas Stern (eds.), *Development Patterns and Institutional Structures in China and India*, Allied, 1995.

"Liberalisation and India's Export Competitiveness: A Sectoral Profile of Effective Export Incentive Structure 1981-1991", in S.P.Gupta (ed.), *Liberalisation and its Impact*, MacMillan, 1993.

"White-Collar Pay and Employment 1970-1982", in M.B.Gregory and A.W.J.Thompson (eds.), *A Portrait of Pay 1970-82: An Analysis of the New Earnings Survey*, Clarendon Press (OUP): Oxford, 1990. (with Ken Mayhew)

"The Determinants and Promotion of South-South Trade in Manufactured Products", in V.Ventura-Dias (ed.), *South-South Trade: Trends, Issues and Obstacles to its Growth*, Praeger: New York, 1989. (with Sanjaya Lall).

Accepted for Publication

“Political Economy of Rural Health Care in India: A Micro Theoretic Approach” in M.Chatterji and P.Gangopadhyay (eds), *Globalisation in the Asia Pacific Region*, Edward Elgar, UK, Forthcoming 2003. (with S.Bhaduri)

Working Papers

“Exporting through Technological Capability: Econometric Evidence from Indian Pharmaceutical and Electronics/Electrical Firms”, (with S. Bhaduri) – communicated

“Co-evolution of IPR and Technological Capability in Developing Countries with Implications of TRIPS: A Neoclassical Perspective” (with S.Bhaduri) – communicated.

“Delay in Launching New Drugs in India under weak IPR” (with S. Bhaduri) – communicated.

“The Indian Pharmaceutical Industry at Crossroads: Implications for India’s Health Care” – in progress.

Discussion Papers, Research Reports

A Study of R&D Incentives in India: Structural Changes and Impact, Project Report submitted to the Department of Science & Technology, Government of India, May 2003.

“Child labour in India: Determinants and Economic Consequences”, Report prepared for *SEEN BUT NOT HEARD: India’s Marginalised Neglected and Vulnerable Children*, VHAI, New Delhi, March 2002. (with Susmita Banerjee)

A Socio-Economic Study of the Role of In-house R&D in Indian Industry: A Case Study of Pharmaceutical and Tyre Sectors, Project Report Submitted to the Department of Science & Technology, Government of India, March 2002. (with V.Upadhyay et al)

The Role of In-house R&D in Indian Industry: A Case Study of Chemical and Electrical/Electronics Sectors, Project Report Submitted to the Department of Science & Technology, Government of India, July 1999.

“The Economics of Health Care in India: A Case Study of the Sewapuri Block in U.P.”, Chapter 21B in *REPORT OF THE INDEPENDENT COMMISSION ON HEALTH IN INDIA*, VHAI: New Delhi, November 1996.

Human Capital Accumulation in Post-Green Revolution Rural Economies: A Conceptual and Empirical Synthesis, Report prepared at the International Food Policy Research Institute, Wasington D.C., August 1990. (with Richard Sabot)

“The Changing Structure of UK Production, Trade and Employment: An Analysis using Input-Output Tables 1974-1984”, *Oxford Applied Economics Discussion Paper* No.70, Oxford University Institute of Economics and Statistics, 1989. (with Christine Greenhalgh and Mary Gregory)

“Employment and Structural Change in Britain: Quantitative Evidence and Policy Simulations”, *Oxford Applied Economics Discussion Paper* No.44, Oxford University Institute of Economics and Statistics, 1989. (with Christine Greenhalgh and Mary Gregory)

Refereeing for Journals:

Journal of Quantitative Economics
Asia-Pacific Journal of Economics and Business
Journal of Asian Economics
International Studies

Research Supervision

Ph.D.: Completed (Awarded) – 2

- An Economic Analysis of R&D and Technology Generation in the Indian Pharmaceutical Industry, 2001.
- Some Aspects of Gains from Technology Transfer, 2000.

Ph.D.: In Progress – 3

- Foreign Direct Investment in India: An Economic Analysis of Determinants and Constraints
- Human Development Indicators in OIC Countries: Trends and Determinants
- Human Capital Investments and Microfinance

M.Phil.: Completed - 5

- Economic Growth and Human Development – An Indian Case Study (July 2003)
- Educational Investment Decisions of Rural Households: Theoretical Explorations and Econometric Evidence from West Bengal. (July 2002)
- An Analysis of In-House R&D Effort of LDC Enterprises: Evidence from Indian Chemical and Electronics Industries. (July 1999)
- Foreign Direct Investment and Export Performance - The Indian Experience Post Liberalisation. (July 1997)
- Foreign Direct Investment and Technological Progress: A Growth Accounting Approach to the Indian Economy 1970-1995. (July 1997)

Recent Research Projects

- *R&D Incentives in India: Structural Changes and Impact*, sponsored by the Department of Science & Technology, Govt. of India.
- *The Changing Profile of the Indian Drug Industry under a New Global Order: Implications for India's Health Care*, at VHAI, New Delhi.
- *A Socio-Economic Analysis of the Role of In-house R&D in Indian Industry: Study of Pharmaceutical & Tyre Sectors*, sponsored by the Department of Science & Technology, Govt. of India at IIT Delhi.
- *Political Economy of Rural Health Care: Case Studies in UP, HP and WB*, at VHAI: New Delhi.
- *The Role of In-house R&D in Indian Industry: A Case Study of Chemicals and Electronics Sectors*, sponsored by the Department of Science & Technology, Govt. of India.
- *Foreign Direct Investment in Chinese and Indian Economic Development: A Comparative Analysis*, sponsored by the World Bank, Washington DC at ICRIER.

International Conferences/ Workshops

- International Conference on “Asian Economic Cooperation in the New Millennium: China's Economic Presence”, at **Peking University (School of Economics)**, Beijing, May 2002
- International Workshop on “Partnership to meet Development Challenges in South Asia” at **Kathmandu, Nepal**, May 2002.
- International Conference of "South Asia Network of Economic Research Institutes (SANEI)" at **Kathmandu, Nepal**, Aug 2000.

- International Conference on "The Post Financial Crisis Challenges for Progressive Industrialization of Asian Economies" at **Seoul National University, Seoul**. Dec 1999 (I could not present my paper in person due to a last moment hick-up in my travel plan).
- International Conference of "South Asia Network of Economic Research Institutes (SANEI)" at **New Delhi**. Sep 1999
- International Conference on "A Macroeconomic Core of an Open Economy for Rapid Industrialisation and Development in Asia in the New Millennium" at **Chulalongkorn University, Bangkok**. Dec 1998
- International Conference on "India's New Economic Policy" sponsored by **Jawaharlal Nehru University and the American Committee on Asian Economic Studies** held in New Delhi. Mar 1996, Convenor and Programme Committee Co-Chair.
- Asian Conference on "Trade Policy Reforms" sponsored by the **World Bank and UNDP held at New Delhi**. Mar 1993.
- International Conference on "Development Patterns and Institutional Structures in China and India" sponsored by the **London School of Economics and ICRIER held at New Delhi**. Apr 1991
- Workshop on "Agriculture-based Development Strategy" sponsored by the **International Food Policy Research Institute, Washington D.C.** held at Annapolis, Md., USA. Jan 1989

Administrative Responsibilities at JNU

- Warden, Jhelum Hostel (1995-1999), Senior Warden (1997-1998)
- Director, M.Phil Programme in International Trade and Development, SIS (1999 onwards)
- Member, Guest House Management Committee (2002-)
- Member, Board of Studies, School of International Studies
- Member, Library Committee, School of International Studies
- Convenor, School Profile Committee, School of International Studies (2001-02)
- SIS Representative to JNU School of Information Technology