

(Curriculum Vitae: August, 2011)

## **Saradindu Bhaduri**

Assistant Professor

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### **Previous Employment:**

- Dec 2002 – Oct 2003 **Lecturer (Economics)**  
Department of Commerce with Farm Management  
Vidyasagar University, West Bengal
- Apr 2002 – Dec 2002 **Research Scientist (Lecturer grade)**  
Centre for Studies in Diplomacy, International Law and Economics  
(currently, Centre for International Trade and Development)  
School of International Studies  
Jawaharlal Nehru University, New Delhi
- Feb 2000 – March 2002 **Research Associate**  
Dept of Humanities and Social Sciences  
Indian Institute of Technology Delhi

### **EDUCATION**

- 2001 Ph.D. (Economics), Jawaharlal Nehru University, New Delhi**  
Thesis title: *An Economic Analysis of R&D and Technology Generation in the Indian Pharmaceutical Industry*, Supervisor: Professor Amit Shovon Ray
- 1999 MPhil. (Economics), Jawaharlal Nehru University, New Delhi**  
Thesis Title: *An Analysis of In-house R&D Effort of LDC Enterprises: Some Evidence from Indian Chemical and Electronics Sectors*,  
Supervisor: Professor Amit Shovon Ray  
Awarded “Outstanding (A+)” grade in Dissertation, (Rank 1<sup>st</sup>)
- 1997 MA in Economics (World Economy, EIL), Jawaharlal Nehru University**
- 1995 B.Sc. (Honours) Economics, Maulana Azad College, Calcutta University**
- Diploma in Bahasa Indonesia (part time), School of Language, Literature and Culture Studies, Jawaharlal Nehru University, New Delhi, India (1997-1999)

### **Fellowships/Awards**

- **Post Doctoral Fellow in Evolutionary Economics**, Evolutionary Economics Group, Max Planck Institute of Economics, Jena, Germany, 2005.
- Qualified **UGC-NET** eligibility test for Lecturership in Indian colleges and universities in 1996.

### **AREAS OF INTEREST**

- Evolutionary & Cognitive Economics
- Patents, Intellectual Property Rights and Technology Policy
- Economic development: Institutional change, technological change and entrepreneurship
- Applied Econometric analysis of firm level technological change

### **PUBLICATIONS:**

#### **Monograph:**

- *The Political economy of smoking tobacco in India: Perspectives on Production, Consumption and Control*. VHAI, New Delhi (2010). (with Amit Shovon Ray and Hemant Kumar)
  - See [http://www.telegraphindia.com/1100219/jsp/nation/story\\_12125376.jsp](http://www.telegraphindia.com/1100219/jsp/nation/story_12125376.jsp) for a brief sketch of our key arguments.

#### **Articles in Journals and Books (refereed, chronologically)**

- “Extrinsic and intrinsic motivations to innovate: tracing the motivations of ‘grassroot’ innovators in India”. *Mind and Society* Vol 10(1): 27-55 (DOI10.1007/s11299-010-0081-2), 2011 (with Hemant Kumar)
  - Published as ‘Tracing the motivation to innovate-A Study of grassroot innovators in India’. *Papers on Economics and Evolution* (0912). Max Planck Institute of Economics. November 2009. (with Hemant Kumar).
- “Patenting Biotechnology” in Patzelt H, and T. Brenner (eds.) *Handbook of Bio-entrepreneurship*, Springer (Chapter 11). Berlin (2008)
- A short essay on “TRIPS in India: Reasons and Rhetorics”, *Vidyasagar University Journal of Commerce*, Vol 11, (2006)
- “A Game theoretic model of drug launch in India”, *Health Economics, Policy and Law*, Vol 1(1), pp. 23-39 (2006) (with Amit Shovon Ray)
- “Surviving through Organisational Changes: Indian Pharmaceutical Industry post-Globalisation” CSK Singh Mitra PP and A. Palit (eds.) *Globalisation and the Work Place*, PM Bagchi, Kolkata (2006)
- "The political economy of rural health care in India" in Gangopadhyay P. and M Chatterji (eds), *Economic Globalization in Asia*, Ashgate (London), 2005. (with Amit S. Ray)
- “Exporting through Technological Capability: Econometric Evidence from India’s Pharmaceutical and Electrical/Electronics Firms”, *Oxford Development Studies*, Vol. 32 (1), 2004 (with Amit S Ray)
- “The Political Economy of Drug Quality: Changing Perceptions and Implications for the Indian Pharmaceutical Industry”, *Economic and Political Weekly*, Vol 38 (23), 2003. (with Amit S Ray)
- “Technological Development in Indian Industry: Challenges and Options after the East Asian Crisis”, in R. Hooley & J.H.Yoo (eds.), *The Post Financial Crisis*

*Challenges for Asian Industrialization*, Elsevier Science (JAI): Amsterdam, 2002. (with Amit S Ray).

- “R&D and Technological Learning in Indian Industry: Econometric Estimation of Research Production Function”, *Oxford Development Studies*, Vol. 29 (2), pp 155-171, 2001. (with Amit S. Ray).

**Refereed discussion papers:**

- Coevolution of IPR and Technological Capability: A game theoretic approach, *GLOBELICS Discussion Paper*, October 2008 (with Amit S Ray)
- “Informal values and formal policies: A study of Japanese technology policy and its significance for India”. *ICRIER Working Paper* (Japan Chair) No. 219 (July 2008). (with Janashruti Chandra)
- “Past experience, cognitive frame and entrepreneurship: some econometric evidence from the Indian pharmaceutical industry”, *Papers on Economics and Evolution* 0804, Max Planck Institute of Economics. (May 2008) (with Hagen Worch)
- “Vicarious learning and socio-economic transformation in Indian trans-Himalaya”, *Papers on Economics and Evolution*, 0518, Max Planck Institute of Economics, December 2005. (with K. Chandrasekhar)

**Other Publications (invited, non-refereed):**

- “Cognitive frame and employment opportunity-the case of Jhum cultivators in Nagaland”- in Singha K (ed.) *Rural Development in India: Prospect and Retrospect*. Concept. New Delhi. 2010. (with Abhinandan Saikia).
- “IPR, technological learning and export competitiveness: An overview” in *Trade Liberalisation and its impacts on the Indian Economy*. Ramakrishna Mission Vidyamandir. Ramakrishna Mission, Howrah, **2007**
- “Manufacturing, Marketing and Technology Diffusion in the Indian Small-Scale Pharmaceutical Industry: Challenges and Options under WTO” in B. Dasgupta et al (ed.) *TRIPS and WTO: Indian Perspectives*, Bibhasa, Kolkata, **2003**.

**Work in Progress** (unpublished seminar articles/articles under review etc.)

- “Public understanding of participation in regulation: The case of bottled water quality standards in India” (with Aviram Sharma)
- “Time belief and innovation theories” (with Abhinandan Saikia) presented in the Afro-Asian Philosophy Association Conference, University of Mumbai, 2010
- “Institutional design and occupational opportunities” presented in the 7<sup>th</sup> GLOBELICS conference, Kuala Lumpur, November 2010. (with Abhinandan Saikia).
- “Exploring the dynamics of drug launch in pre-TRIPS India: A survival analysis approach”. Presented in the 5<sup>th</sup> Annual Conference on Growth and Development, Indian Statistical Institute, Delhi. (with Thomas Brenner).

- “Geographic concentration and local resources in the pharmaceutical industry: A comparison of India and Germany” (with Thomas Brenner)
- ‘Technological Evolution and Learning Trajectories of LDC Enterprises: A Model of Ownership-wise Diversity and Path Dependence’ presented in a job seminar at the Max Planck Institute of Economics, Jena 2002.

### **RESEARCH SUPERVISION**

#### **PhD (Completed): 2**

- “Innovation dynamics in shifting cultivation: the case of Jhum in Nagaland”, by Abhinandan Saikia, 2011.
- Gender Discrimination, Technology and Institution in the Indian Coal Mine Industry: an evolutionary perspective”, by Nesar Ahmad, 2011.

#### **PhD (whose synopses have been confirmed)**

- “Exploring motivation, collaboration and linkages for grassroot innovation systems in India”. Hemant Kumar (to be completed by July 2012)
- “Market based approaches in the negotiations at the UNFCCC: Implications for climate change”. Manish Srivastava ( to be completed by July 2012).
- “Standards, technology and public participation: regulation-making for bottled water quality in India” Aviram Sharma.
- Traditional medicinal knowledge in the post-WTO regime: A study of tribal practices in Wayanad district. Deepa V.K.

#### **MPhil (Completed 5, Submitted 3, Ongoing 2):**

- “Perspectives and Policies of Technological Self Reliance in India: Examining the contributions of Gandhi, Nehru and Tagore”. Submitted by Noklencyangla.
- “Understanding the revival of traditional rainwater harvesting systems in India: The case of Johad in Rajasthan”. Submitted by Anushree Singh.
- “Gender, technologies and Dhobi ghats in Delhi” Submitted by Varsha Patel (Co-Supervisor: G. Arunima)
- “Uranium mining and the Khasi cultural perception of risk: The case of Meghalaya” by Thangminlen Kipgen, 2010.
- “A study of bottled water quality standards in India” by Aviram Sharma, 2009.
- “Motivation to Innovate: A Study of Grassroot Innovators in India” by Hemant Kumar, 2007
- “Convergence in climate change institutions and consequences for developing countries” by Manish Srivastava, 2007
- “Evolution of Vehicular Emission Norm in India” by Abhinandan Saikia, 2005.

### **TEACHING:**

#### **Courses designed and taught:**

##### **At CSSP:**

- (i) *Intellectual Property Rights: A Foundation Course* (only course designed for the MPhil students of science and social science students) (with Sujit Bhattacharya).

- (ii) “*Economics of technological change and innovation system*”, previously “*Innovation management and technological change*” (with VV Krishna) – every winter semester.
- (iii) “*Analysis in S&T Policy*” in monsoon semesters (with Pranav Desai).
- (iv) “*Technology futures analyses*” in winter semesters (with Pranav Desai).
- (v) “*Research methodology*” taught in winter and monsoon semesters of 2004 (with Rohan D’Souza).

**Outside CSSP:**

- (vi) “*Economics of technology and development*” to MA, Economics (EIL), Centre for International Trade and Development, School of International Studies. (monsoon semesters, with Amit S Ray)
- (vii) “*Transnational corporations, technology transfers and R&D*” (winter semester of 2006) to MA, Economics (EIL) MA, Economics (EIL), Centre for International Trade and Development, School of International Studies (with Manoj Pant)

**Lectures outside JNU:**

1. Guest Faculty, MPhil course on Science, Technology and Development. Central University of Gujarat (2009).
2. Delivered a lecture on “*Institutions and technology transfer*” at the Refresher Course for College and University Teachers of Economics, August, 2009 at Academic Staff College, JNU
3. Delivered a lecture on “*Transfer of Technology*” to the Probationers of Indian Statistical Service, at the Indian Institute of Planning and Administration, February, 2007
4. Delivered a lecture on “*Methods in Evolutionary Economics*” at the Refresher Course for College and University Teachers of Economics, January 2004 at Academic Staff College, JNU

**REVIEWER OF JOURNALS/CONFERENCES**

- Research Policy
- World Development
- Industry and Innovation
- Science, Technology and Society
- World Review of Science, Technology and Sustainable Development
- Member, Review Committee, Danish Research Unit of Industrial Dynamics (DRUID) summer conference

**VISITING FELLOW/ACADEMIC VISITS**

- Centre for Research in Economic Sociology and Innovation (CRESI), University of Essex. June 2011.
- Evolutionary Economics Group, Max Planck Institute of Economics, Jena, Germany, June-July, 2007.

**OTHER ACADEMIC RESPONSIBILITIES:**

- Member, Board of Studies, Central University of Gujarat (2009-2010)
- Member Board of Studies, SSS, JNU (2007 -2010)
- Member, Steering Committee, North-Eastern Studies Programme, SSS, JNU (2007-present)

- Member, Library Committee, SSS, JNU (2006-2008).

#### **CONFERENCES/SEMINARS/WORKSHOPS**

- 7<sup>th</sup> GLOBELICS conference, Kuala Lumpur, November 2010.
- Afro-Asian Philosophy Association Conference, University of Mumbai, 2010.
- 5<sup>th</sup> Annual Conference on Growth and Development, Indian Statistical Institute, Delhi.
- National Conference on “Corporate Sector, Industrialisation and Economic Development in India”, Institute for Studies in Industrial Development, New Delhi, March 27–28, 2009
- National Conference on Rural Development in India-Prospect and Retrospect, St Joseph College, Jakhama, Kohima, Nagaland, 21-22 November, 2008.
- Conference on “Politics and civil society in India and Japan” at Indian Council for Research on International Economic Relations (ICRIER), New Delhi Feb 20, 2008.
- 5<sup>th</sup> Globelics Conference, Saratov, Russia, September 19-23, 2007
- UGC Sponsored seminar on “Trade Policy Reforms, WTO and its Impact on the Indian Economy”, Ramakrishna Mission Vidyamandir, Belur, August 25, 2007
- First Annual Max Planck India Workshop on Entrepreneurship, Innovation and Economic Growth, Bangalore, March 29-31, 2006
- 32<sup>nd</sup> EARIE (European Association for Research in Industrial Economics) Conference, Porto, September 1-4, 2005
- DRUID (Danish Research Unit for Industrial Dynamics) summer conference 2005, Copenhagen, June 27-30, 2005
- National Workshop on Intellectual Property Rights, Dibrugarh University, India (October 2004)
- International Seminar on “WTO Negotiations: India’s Post-Cancun Concerns” jointly Organized by the International Trade and Development Division, JNU, the Planning Commission, Govt of India, and Indian Council of Social Science Research, New Delhi (18-19 October 2004)
- National Workshop on “Science, Technology, Society Studies”, Jointly Organised by the Centre for Studies in Science Policy, JNU and NISTADS, New Delhi, March, 2004.
- National Seminar on “Commerce Education in the New Millennium”, Jointly Organised by the Institute of Chartered Accountants in India & Department of Commerce with Farm Management, Vidyasagar University, March, 2003.
- International Seminar on “The Role of Labour Mobility and Informal Networks for Knowledge Transfer” at Max Planck Institute of Economics, December 2002.
- National Consultation on Rational Drug Use at Voluntary Health Association of India, New Delhi. May, 2002.
- National Seminar on TRIPS and WTO, organised jointly by the Ministry of Human Resources, Govt. of India and Dept of Economics, University of Kalyani, West Bengal. India. April 2002.

#### **Co-Curricular Activities:**

- High Altitude Trekking.
- President of India Scout, 1988.

**Reference:** (On request)