

CURRICULUM VITAE

Name : Bishwanath Goldar
Age : 66
Sex : Male
Marital Status : Married, Two children

Designation and Office Address

ICSSR National Fellow and Former Professor, Institute of Economic Growth, University of Delhi
Enclave, North Campus, Delhi – 110 007, India

Tel: +91-11-27677101, 27677288, 27677365; Fax: +91-11-27667410
e-mail: bng@iegindia.org, b_goldar77@yahoo.com

Academic Qualifications

Ph.D. Economics, University of Delhi, 1982

M.A., Economics, Delhi School of Economics, University of Delhi, 1969-71.

Professional Experience

Research Associate, Institute of Economic Growth, Delhi (1979-82), Reader, Institute of Economic Growth, Delhi (1982-88 and 1990-96); Senior Fellow, National Institute of Public Finance and Policy, New Delhi (1988-90); Professor, Institute of Economic Growth, Delhi (1996-2014); Professor, Indian Council for Research on International Economic Relations (2003-04); Visiting Professor, Centre for International Trade and Development, School of International Studies, Jawaharlal Nehru University, New Delhi (2012-13), ICSSR National Fellow (2015 -)

Visiting Fellow at the Institute of Economic Research, Hitotsubashi University, Tokyo (June-August, 1992) and the Institute of Developing Economies, Tokyo (May-June, 1993).

Areas of Specialization/Interest

Industrial Economics, Trade and Foreign Investment, Environmental Economics

Membership of Committees

Chairman, Standing Committee on Industrial Statistics (NSSO)
Chairman, Working Group for Introducing Producer Price Index (PPI) in India
Member, Expert Committee for the Development of Service Price Index (DIPP)
Former Member, National Statistical Commission
Member, Editorial Advisory Board, Indian Economic Review
Member, Editorial Advisory Board, Indian Economic Journal
Member, Editorial Advisory Board, Journal of International Economic Studies
Member, Managing Committee, Journal of Industrial Statistics

Select Publications

Industrial Productivity

‘Productivity Trends in Indian Manufacturing Industry: 1951-78,’ *Indian Economic Review*, 18 (1), January-June 1983, pp. 73-99.

‘Unit Size and Economic Efficiency in Small Scale Washing Soap Industry in India,’ *Artha Vijnana*, 7(1), March 1985, pp. 21-40.

Productivity Growth in Indian Industry, Allied Publishers, New Delhi, 1986.

‘Import Substitution, Industrial Concentration and Productivity Growth in Indian Manufacturing,’ *Oxford Bulletin of Economics and Statistics*, 48(2), May 1986, pp. 143-64.

‘Import Liberalisation and Industrial Efficiency,’ in A. Guha (ed.) *Economic Liberalization, Industrial Structure and Growth in India*, Oxford University Press, Delhi, 1990.

‘Productivity and Factor Use Efficiency in Indian Industry,’ in A. Ghosh, K.K. Subramanian, M. Eapen and H.A. Drabu (eds.), *Indian Industrialization: Structure and Policy Issues*, Oxford University Press, Delhi, 1992.

‘Technology Acquisition and Productivity Growth: A Study of Large Chemical Firms in India,’ *Asian Economic Review*, 43 (3), December 2001.

‘Total Factor Productivity Growth in Indian Industry: A Review of Studies,’ in B.S. Minhas (ed.), *National Income Accounts and Data Systems*, Delhi: Oxford University Press, 2002 (co-author: Arup Mitra).

‘TFP Growth in the Indian Manufacturing in the 1980s,’ *Economic and Political Weekly*, 37(49), 2002.

‘Import Liberalization and Productivity Growth in Indian Manufacturing Industries in the 1990s,’ *Developing Economies*, December 2003 (co-author: Anita Kumari).

‘Indian Manufacturing: Productivity Trends in Pre- and Post-Reform Periods,’ *Economic and Political Weekly*, 29 (no. 46 and 47), November 2004.

‘Manufacturing Productivity in Indian States: Does Investment Climate Matter?’ *Economic and Political Weekly*, June 11, 2005 (co-author: C. Veeramani)

‘Wage-Productivity Relationship in Organized Manufacturing in India: A state-wise analysis,’ *Indian Journal of Labour Economics*, 48(2), April-June 2005, pp. 259-272 (co-author: Rashmi Banga).

‘Small versus large manufacturing units: How efficient are they?’ *Journal of Asia Pacific Economy*, 18 (4), 2013 (co-author: Arup Mitra).

‘Productivity in Indian Manufacturing in the Post-Reform Period: A review of studies,’ in Vinish Kathuria, S.N. Rajesh Raj and Kunal Sen (eds.), *Productivity in Indian Manufacturing: Measurement, Methods and Analysis*, Routledge, New Delhi, 2014.

‘Productivity in Indian Manufacturing (1999-2011),’ *Economic and Political Weekly*, 50(35), 29 August 2015.

Other Industry Studies

‘Employment Growth in Indian Industry,’ *Indian Journal of Industrial Relations*, 22 (3), January 1987, pp. 271-85.

‘Relative Efficiency of Modern Small Scale Industry in India,’ in K.B. Suri (ed.) *Small Scale Enterprises in Industrial Development: The Indian Experience*, Sage Publications, New Delhi, 1988.

‘Substitution among Labour, Capital and Energy in Indian Industries,’ *Journal of Quantitative Economics*, 7(1), January 1991, pp. 65-78 (co-author: H. Mukhopadhyay).

‘Ancillarisation and Subcontracting in Indian Industry,’ *Studies in Industrial Development*, Paper no. 18, Ministry of Industry, Government of India, October 1995 (co-authors: D.B. Gupta, R.S. Bora, H.S. Gill and Anuradha Krishna).

‘Econometrics of Indian Industry,’ in K.L. Krishna (ed.), *Econometric Applications in India*, Delhi: Oxford University Press, 1997.

‘Economic Reforms and R&D Expenditure in Industrial Firms in India,’ *Indian Economic Journal*, 46(2): 60-75, October-December, 1998 (co-author: V.S. Renganathan).

‘Employment Growth in Organised Manufacturing,’ *Economic and Political Weekly*, April 1-7, 2000.

‘Contribution of Services to Output Growth and Productivity in Indian Manufacturing: Pre- and Post-Reform,’ *Economic and Political Weekly*, June 30, 2007 (co-author: Rashmi Banga).

‘Modernization of Small and Medium Scale Industries in India,’ in K. Odaka and Y. Kiyokawa (eds.), *Small and Medium Scale Industry in India and the Model of Japan*, New Delhi: Allied Publishers, 2008.

‘Subcontracting in Indian Industry: A study of small-large industry linkage,’ in K. Odaka and Y. Kiyokawa (eds.), *Small and Medium Scale Industry in India and the Model of Japan*, New Delhi: Allied Publishers, 2008 (co-author: D.B. Gupta).

‘Import Penetration and Capacity Utilization in Indian Industries,’ Working Paper no. E/293/2008, Institute of Economic Growth, Delhi, 2008 (co-author: V.S. Reganathan)

‘Performance of Unorganized Manufacturing in the Post Reform Period’ in Keshab Das (ed.), *Micro and Small Enterprises in India: The Era of Reforms*, Routledge, New Delhi, 2010 (co-authors: Arup Mitra and Anita Kumari).

‘Growth in Organised Manufacturing Employment in Recent Years,’ *Economic and Political Weekly*, 46 (7), February 12, 2011.

‘Informalization of Industrial Labor in India: Effects of labor market rigidities and import competition,’ *Developing Economies*, 50(2): 141-69, 2012 (co-author: Suresh Chand Aggarwal).

‘Elasticity of Substitution between Capital and Labour Inputs in Manufacturing Industries of the Indian Economy,’ *Journal of Industrial Statistics*. 2 (2), 2013. pp.169-194 (co-authors: Basanta K. Pradhan and Akhilesh K.Sharma).

‘Employment of Casual Workers in Organized Manufacturing in India: Analysis of Trends and the Impact of Labour Reforms,’ *Indian Journal of Labour Economics*, 57(3), 2014, pp.283-302 (co-author: Suresh Chand Aggarwal).

‘Sustaining a High Rate of Industrial Growth in India in the Next 10 Years,’ in Pradeep Agrawal (ed.), *Reviving Growth in India*, Cambridge University Press, Delhi, 2015, pp. 47-81.

‘Growth in Gross Value Added of Indian Manufacturing: 2011–12 Series vs. 2004–05 Series,’ *Economic & Political Weekly*, 50(21), May 23, 2015, pp. 10-13.

‘Employment and Wages in Indian Manufacturing: Post-reform Performance,’ *Employment Working Paper* no. 185, Employment and Labour Market Policy Branch, International Labour Office (ILO), June 2015 (co-author: Amit Sadhukhan).

‘Gender Discrimination in Manufacturing Employment in India, 1999-2009,’ in K.V. Ramaswamy (ed.), *Labour, Employment and Economic Growth in India*, Delhi: Cambridge University Press, pp. 181-218, 2015 (co-author: Suresh Chand Aggarwal).

‘Post-Reforms Trends in Growth and Productivity in Indian Manufacturing,’ in C. Veeramani and R. Nagaraj (eds.), *International Trade and Industrial Development in India*, Orient BlackSwan, New Delhi, 2016, pp.45-102 (co-author: Sreerupa Sengupta).

‘Contract Labour in Organized Manufacturing in India,’ in K. P. Kannan, Rajendra P Mamgain and Preet Rustagi (eds.), *Labour and Development- Essays in honour of Professor T S Papola*, Academic Foundation, New Delhi, 2016(forthcoming) (co-author: Suresh R.).

‘Employment Growth in India’s Organised Manufacturing: Trends and Determinants,’ *Review of Development and Change* (forthcoming) (co-author: Maitri Ghosh).

Trade and Foreign Direct Investment

‘Determinants of Iron and Steel Exports,’ *Developing Economies*, 23(1), March 1985, pp. 40-52 (co-author: R.N. Bhardwaj).

‘Determinants of India's Export Performance in Engineering Products, 1960-79,’ *Developing Economies*, 27(1), March 1989, pp. 3-18.

‘Structure of Nominal Tariff Rates in India,’ *Studies in Industrial Development*, paper no. 3, Ministry of Industry, Government of India, July 1992 (co-authors: A.V.L. Narayana and Hasheem N. Saleem).

‘India's Tariff Structure: Effective Rates of Protection of Indian Industries,’ *Studies in Industrial Development*, Paper no. 5, Ministry of Industry, Government of India, October 1992 (co-author: Hasheem N. Saleem).

‘Study of India's Tariff Structure,’ *Studies in Industrial Development*, Paper no. 12, Ministry of Industry, Government of India, November 1994 (co-author: Hasheem N. Saleem).

'Incidence of Tariff: The Case of India, 1982-93,' *Applied Economic Letters*, vol. 4, 1997, pp 583-86. (co-author: Hasheem N. Saleem).

'Foreign Direct Investment in Asia,' *Economic and Political Weekly*, May 29, 1999 (co-author: Etsuro Ishigami).

'Trade Liberalisation and Employment: The Case of India,' *Employment paper*, no. 2002/34, ILO, Geneva, 2002.

'Trade Liberalisation and Real Wages in Organised Manufacturing Industries in India,' in A. Karnik and L.G. Burange (eds). *Economic Policies and the Emerging Scenario: Challenges to Government and Industry*, Mumbai: Himalaya, 2004.

'Ownership and Efficiency in Engineering Firms in India, 1990-91 to 1999-2000,' *Economic and Political Weekly*, January 31-February 6, 2004 (co-authors: V.S. Renganathan and Rashmi Banga).

'Commercial Presence in the Hospital Sector under GATS: A Case Study of India,' *Journal of International and Area Studies*, 11(2), 2004, pp. 17-43 (co-author: Indrani Gupta)

'Trade Liberalization and Price-Cost Margin in Indian Industries,' *Developing Economies*, 43(3), September 2005 (co-author: Suresh Chand Aggarwal).

'Export Intensity of Indian Industrial Firms in the Post-Reform Period,' in S.R. Hashim, K.S. Chalapati Rao, K.V.K. Ranganathan, and M.R. Murty (eds), *Indian Industrial Development and Globalisation: Essays in Honour of Professor S.K. Goyal*, New Delhi: Academic Foundation, 2009 (co-author: Atsushi Kato).

'Import Penetration and Price-Cost Margins in Indian Manufacturing Industries,' *Indian Economic Journal*, 56(2), July-September, 2008, pp. 166-91 (co-author: Atsushi Kato).

'Impact of Trade Liberalization on Foreign Direct Investment in Indian Industries,' in S. Mahendra Dev and N. Chandrasekhara Rao (eds.) *India: Perspectives on Equitable Development*, Academic Foundation, New Delhi, 2009 (co-author: Rashmi Banga).

'Impact of Trade on Employment Generation in Manufacturing in India,' *Working Paper* no. E/297/2009, Institute of Economic Growth, Delhi, 2009.

'Trade Liberalization and Labour Demand Elasticity in Indian Manufacturing,' *Economic and Political Weekly*, August 2009, pp. 51-57.

'Foreign Direct Investment and Technology Spillover: An evaluation across different clusters in India,' *Working Paper* no. 200, Centre for Development Economics, Delhi School of Economics, August 2011 (co-authors: Smruti Ranjan Behera and Pami Dua).

'Impact of tariff reduction according to Doha modalities on India's trade of agricultural products,' *Economic and Political Weekly*, 47 (no. 2), January 14, 2012, pp. 57-64 (co-authors: Devender Pratap and Yashobanta Parida)

'Foreign Direct Investment and Technology spillover: Evidence across Indian Manufacturing Industries,' *Singapore Economic Review*, 57(2), 2012 (co-authors: Smruti Ranjan Behera and Pami Dua).

‘Determinants of Import Intensity of India's Manufactured Exports Under the New Policy Regime,’ *Indian Economic Review*, 48 (1), 2013.

‘R & D intensity and exports: A study of Indian pharmaceutical firms,’ *Innovation and Development* (Special Issue: Innovation and Global Competitiveness: Case of India's Manufacturing Sector), 3 (2), 2013.

‘The European Union and India Free Trade Agreement Negotiations: Economic Dimensions,’ in Manish Thapa, Jakub Zajackowski and Jivanta Schottli (eds), *India in the Contemporary World: Polity, Economy and International Relations*, Routledge, London, 2014.

‘Foreign Investment in Indian Industrial Firms and Its Impact on Firm Performance,’ *Journal of Industrial Statistics*, 4(1), March 2015, pp.1-19 (co-author: Akhilesh Kumar Sharma).

‘Direction of Outward FDI of Indian Manufacturing Firms: Influence of Technology and Firm Productivity,’ in Filip De Beule and K. Narayanan (eds), *Globalization of Indian Industries: Productivity, Exports and Investment*, Singapore, Springer, 2016, pp. 71-96.

Environmental Economics

‘Water Pollution Abatement Cost Function: Methodological Issues and An Application to Small-Scale Factories in An Industrial Estate in India,’ *Environment and Development Economics*, Vol. 6, February 2001, pp. 103-22 (co-authors: Smita Misra and Badal Mukherji).

‘Valuation of Environmental Goods: Correcting for Bias in Contingent Valuation Studies based on Willingness-to-Accept,’ *American Journal of Agricultural Economics*, 83(1), February 2001, pp.150-56 (co-author: Smita Misra).

Sustainable development framework for India: the case of water resources, Report prepared for UN University, Tokyo, October 2000 (co-author: Kanchan Chopra).

‘Water Pricing and Abatement of Industrial Water Pollution: A Study of Distilleries in India,’ *Environmental Economics and Policy Studies*, 4(2), 2001 (co-author: Rita Pandey).

‘Sustainable Use of Water in India: Implications for Alternative Scenarios for 2020,’ in K. Prasad (ed), *Water Resources and Sustainable development*, Delhi: Shipra Publications, 2003 (co-author: Kanchan Chopra).

‘Water Use in Indian Industry: Estimates of value of water and price elasticity of demand,’ in K. Chopra, C.H. Hanumantha Rao and R. Sengupta (eds.), *Water Resources, Sustainable Livelihoods and Eco-System Services*, New Delhi: Concept Publishing Company, 2003.

Fighting Arsenic – Listening to Rural Communities: Willingness to Pay for Arsenic-free, Safe Drinking Water in Bangladesh, Water and Sanitation Program – South Asia, August 2003 (co-authors: J. Ahmad, Smita Misra and M. Jakariya)

‘Impact of informal regulation of pollution on water quality in rivers in India,’ *Journal of Environmental Management*, 73(2), 2004, pp. 117-130 (co-author: Nandini Banerjee).

‘Value of arsenic-free drinking water to rural households in Bangladesh,’ *Journal of Environmental Management*, 74 (2), 2005, pp. 173–185 (co-authors: Junaid Ahmad and Smita Misra).

‘Do stock markets penalize environment-unfriendly behaviour? Evidence from India,’ *Ecological Economics*, 52(1):81– 95, 2005 (co-author: Shreekanth Gupta).

‘Rural Communities’ Preferences for Arsenic Mitigation Options in Bangladesh,’ *Journal of Water and Health*, 04-4, 2006, pp. 463-477 (co-authors: Junaid Ahmed and Smita Misra).

‘Likely Impact of Reforming Water Supply and Sewerage Services in Delhi,’ *Economic and Political Weekly*, 43(41): 57-66, October 11, 2008 (co-author: Smita Misra).

‘Impact of Environmental Management Practices on Profitability and Market Value of Indian Industrial Firms,’ in Raj Kumar Sen (ed.), *Environment, Ecology and Sustainable Economic Development*, Deep and Deep, New Delhi, 2011

‘Energy Intensity of Indian Manufacturing Firms: Effect of Energy Prices, Technology and Firm Characteristics,’ *Science, Technology and Society*, 16(3): 351-72, 2011.

‘Energy Use Efficiency of India’s Organised Manufacturing,’ *Review of Market Integration*. 5 (2), August 2013, pp. 131 - 154.

‘Scope for Reducing CO₂ Emissions of Indian Manufacturing: Its Likely Impact on Export Competitiveness,’ *Journal of International Commerce, Economics and Policy*, 6(3) (27 pages), 2015 (Co-author: Meera Bhalla).

Miscellaneous

‘Optimal Programs of Capital Accumulation Under Exogenous Embodied Technical Change’, *Journal of Economic Theory*, 7(2), February 1974, pp. 224-29.

‘India: Whither Reform?’ in K. Odaka and J. Teranishi (edited), *Markets and Government: In Search of Better Coordination*, Maruzen Co. Ltd, Tokyo, 1998.

‘Employment and Poverty in Rural India: A Study of the NSS Regions in the 1990’s,’ in M.S. Bhatt (ed.), *Poverty and Food Security in India: Problem and Policies*, New Delhi: Aakar Books, 2004 (co-author: S. Sakthivel).

‘Female Labour Supply in Rural India: An Econometric Analysis,’ *Indian Journal of Labour Economics*, 49(2), April-June 2006, pp.293-310 (co-author: Purnamita Dasgupta).

‘Productivity Increase and Changing Sectoral Composition: Contribution to Economic Growth in India,’ in Pulin Nayak, Bishwanath Goldar and Pradeep Agrawal (eds.), *India’s Economy and Growth*, Sage Publications, New Delhi, 2010 (co-author: Arup Mitra).

‘Population Ageing and Its Implications on the Labour Market: The South Asian Experience,’ in Moneer Alam and Armando Barrientos (eds.) *Demographics, Employment and Old Age Security* Macmillan, Delhi, 2010 (co-author: Nilabja Ghosh and Arup Mitra).

‘Wages and Wage Share in India During the Post Reform Period,’ *Indian Journal of Labour Economics*, 56 (1), 2013.

‘Globalisation, Growth and Employment in the Organised Sector of the Indian Economy,’ Working Paper no. 06/2014, Institute for Human Development, 2014.