

CURRICULUM VITAE OF**N. S. SIDDHARTHAN****Address (Home)**

N S Siddharthan

47, III street, East Abiramapuram, Mylapore, Chennai – 600004, India.

Phone: (Home) (+91- 44)24984409; Mobile: 9940076291<https://sites.google.com/site/nssiddharthan/>**E-mail:** <nssiddharthan@gmail.com>.**Personal**

Born, January 29, 1945, in Madras, India.

Married with two children.

Academic Qualifications

Ph.D. (Economics), Delhi School of Economics, University of Delhi, 1972.

Title of Ph.D. Thesis: International Liquidity: Determinants of Foreign Asset Holdings.

M.A. (Economics), University of Madras, 1966.

Current Position

◆ President, Forum for Global Knowledge Sharing (Knowledge Forum)

<http://FGKS.in>

◆ Hon. Professor of Economics, Madras School of Economics.

Current Research Interests

Technology and Globalisation, International Economics, Multinational Corporations, and Industrial Organization.

Research and Teaching Experience

- Professor of Economics, Institute of Economic Growth (**IEG**), Delhi. December 1981 – January 2007. (retired from IEG, January 31, 2007)
- Head, V.K.R.V.Rao Centre for Studies in Globalisation, Institute of Economic Growth, Delhi, December 1993 – January 31, 2007.
- President, Forum for Global Knowledge Sharing, November 2018 -
- Member Secretary and Hon. Director, Forum for Global Knowledge Sharing, 2005 – November 2018.
- Special Chair of the Province of Antwerp, University of Antwerp, for the academic year 2000-2001.
- Head, Planning and Development Section, Institute of Economic Growth, December 1981 - December 1993.
- Academic Visitor, Queen Elizabeth House, Oxford, May 1980-May 1981.
- Reader, IEG, November 1975 - December 1981.
- Research Associate, IEG, April 1971 - November 1975.
- Research Fellow, IEG, January 1970 - March 1971.

- University Grants Commission Advanced Centre Fellow, Delhi School of Economics, July 1967 December 1969.

SELECT LIST OF RESEARCH PUBLICATIONS

Technology, Globalisation and Industrial Development

BOOKS/Edited Volumes

- *Globalisation of Technology* Springer (2017), (Eds. N.S. Siddharthan, K. Narayanan)
- *Technology: Corporate and Social Dimensions*, Springer (2016), (Eds. N.S. Siddharthan, K. Narayanan)
- *Globalisation and Multinationals: The Asian Experience (2016)*, e-Book, published by eSocialSciences, (N S Siddharthan)
<http://esocialsciences.org/eBook/eBook.aspx>
- *Innovation and Global Competitiveness: Case of India's Manufacturing Sector (2016)*, Routledge. (Ed. N S Siddharthan and K Narayanan)
- *Stagnant Manufacturing: Governance and Policy Slack (2014)*, (Editor, N S Siddharthan)
http://esocialsciences.org/eSS_essay/eSS_eSSay_Stagnant_Manufacturing.aspx
- *Innovation and Development (2013)* Routledge, special issue on *Innovation and Global Competitiveness: Case of India's Manufacturing Sector*, 3(1), October 2013, (Guest Editors, N S Siddharthan and K Narayanan)
- *Human Capital and Development: The Indian Experience*, Springer, 2013, i-ix, 1-155, (Ed. N S Siddharthan and K Narayanan)
- *Science, Technology and Society*, (2012), Special Issue on "Agglomeration, Technology Clusters and Networks" 17(3), (Guest Editors, Ashok Jain, K Narayanan and N S Siddharthan).
- *Science, Technology and Society*, 18(3), November 2011, Special Issue on "Innovation and Enterprise Development", (N S Siddharthan and S R Hashim, Guest Editors)
- *Contributions to Indian Social Science, IASSI Quarterly*, Vol. 29, July-December 2010 (no.3&4), (N S Siddharthan, Guest Editor)

- *Indian and Chinese Enterprises: Global trade, Technology and Investment regimes*, Routledge, New Delhi and London, 2010, i-xiv, 1-311. (N S Siddharthan and K Narayanan, Eds).
- *Changing Policy Regimes and Corporate Performance*, Oxford University Press, New Delhi, 2009, i-ix. 1-221. (B L Pandit and N S Siddharthan)
- *High Tech Industries, Employment and Global Competitiveness*, Routledge, London, New Yoark and New Delhi, 2008, i-xi, 1-268. (S R Hashim and N S Siddharthan, Eds).
- *Indian Economy and Society in the Era of Globalisation and Liberalisation: Essays in Honour of Prof A. M. Khusro*, Academic Foundation, New Delhi, 2005, 1-439. (C. H. Hanumantha Rao, B. B. Bhattacharya and N. S. Siddharthan, Eds)
- *Global Business, Technology and Knowledge Sharing: Lessons for Developing Country Enterprises*, Macmillan, 2002, New Delhi, i-xvii, 1-217. (N. S. Siddharthan and Y. S. Rajan)
- *Technology, Market Structure and Internationalisation*, Routledge, 1997, New York and London, i-ix, 1-165. (Nagesh Kumar and N.S.Siddharthan)
- *Future Directions for Indian Economy: Technology, Trade and Industry*, 1996, Indian Institute of Science, New Age International Publishers, Bangalore, i-vii, 1-238, (Krishna Murthy, N. S. Siddharthan and B. S. Sonde. Ed)
- *Conglomerates and Multinationals in India*, Allied Publishers, 1981, New Delhi. (N. S. Siddharthan).

RESEARCH PAPERS

Published several papers in Journals such as, *The Economic Journal*, Royal Economic Society UK; *Oxford Bulletin of Economics and Statistics*, Oxford, UK.; *The Journal of Development Studies*, UK; *Economics of Innovation and New Technology*, UK; *Applied Economics*, Routledge, UK; *Development and Change*, Journal of the Institute of Social Studies, Hague; *Journal of Economic Behavior and Organization*, Elsevier Science; *Journal of Business Venturing*, Elsevier Science; *Japan and the World Economy*, Elsevier Science; *Journal of International and Area Studies*; *International Business Review*, Elsevier Science; *Developing Economies*, The Journal of the Institute of

Developing Economies, Tokyo; *Weltwirtschaftliches Archiv*, Journal of the Kiel Institute of World Economics, Germany; *Tnansnational Corporations*, Geneva; *The Indian Economic Review*, Delhi; *The Indian Economic Journal*, The Journal of the Indian Economic Association, Bombay; *Sankhya*, The Journal of the Indian Statistical Institute, Calcutta;

Has acted as a guest editor of special issues of journals: *Science, Technology and Society* (Sage) and *Innovation and Development* (Routledge)

Refereed/Reviewed Publications:

* “Human capital, Labour productivity and employment” in N S Siddharthan and K Narayanan (Ed.), *Human Capital and Development: The Indian Experience*, Springer, 2013, Pages 11-22. (Savita Bhat and N S Siddharthan)

* “Industrial Clusters in India: Evidence from Automobile Clusters in Chennai and the National Capital Region”, *Discussion Paper 103*, Institute of Developing Economies, Japan, April 2007, 1-107, (Aya Okada and N S Siddharthan)

* “Foreign Direct Investment and Location Advantages: Japanese Perceptions of India Compared to China and ASEAN”, *Journal of International and Area Studies*, (N. S. Siddharthan and M. L. Lakhera (2005), 12(1), 99-110.

* “MNE affiliation, firm size and exports revisited: A study of information technology firms in India”, *The Journal of Development Studies*, UK, August 2004, 40 (6), 146-168. (N. S. Siddharthan and Stanley Nollen).

* “MMEs and Market Valuation of Firms: A Cross-Sectional Study of the Indian Electrical and Electronic Goods Manufacturing Firms”, *Applied Economics*, Routledge, Oxford, 2003, 35, 675-681. (B. L. Pandit and N. S. Siddharthan).

* “Liberalisation and Investment: Behaviour of MNEs and Large Corporate Firms in India”, (with B. L. Pandit: Siddharthan and Pandit), *International Business Review*, Elsevier Science, 7 (5), December 1998, 535-548.

- * "Technological Acquisition and Investment: Lessons from Recent Indian Experience", (With B.L.Pandit: Pandit and Siddharthan), *Journal of Business Venturing*, (North - Holland) Elsevier Science; 13(1), January 1998, 43-55.
- * "Differential behaviour of the Japanese affiliates in the Indian automobile sector" *Japan and the World Economy* (North-Holland) Elsevier Science, Vol. 10(1), 1998, 97-109.
- * "TNCs, technology transfer and import of capital goods: Recent Indian experience", (with A.E.Safarian: Siddharthan and Safarian), *Transnational Corporations* (Geneva), Vol. 6, No.1, April 1997, 31- 49.
- * "Technology, firm size and export behaviour in developing countries: The case of Indian Enterprises", (with Nagesh Kumar: Kumar and Siddharthan), *The Journal of Development Studies*, UK, Volume 31, No.2, December 1994, 289 - 309.
- * "Growth and profit behaviour of large Indian firms", (with B.L.Pandit and R.N.Agarwal: Siddharthan, Pandit and Agarwal), *The Developing Economies*, The Journal of the Institute of Developing, Economies, Tokyo, Vol.32, Number 2, June 1994, 188 - 209.
- * "Transaction costs, technology transfer and in-house R&D: A study of the Indian private corporate sector", *Journal of Economic Behavior and Organization*, (North-Holland), Vol. 18, 1992, 265-271.
- * "Determinants of R&D decisions: A cross section study of Indian private corporate firms", (with R.N.Agarwal: Siddharthan and Agarwal), *Economics of Innovation and New Technology*, U.K. Vol. 2(2), 1992, 103-110.
- * "Deregulations, entry and industrial performance: the impact of recent Indian policy changes", (with B.L.Pandit: Siddharthan and Pandit), *Indian Economic Review*, (Special issue in honour of Professor S.Chakraverty), 1992, 377-384.
- * "The determinants of inter-industry variations in the proportion of intra-firm trade: the behaviour of US multinationals", (with Nagesh Kumar: Siddharthan and Kumar), *Weltwirtschaftliches Archiv*, Journal of the Kiel Institute of World Economics, Federal Republic of Germany, Vol. 126(3), September 1990, 581-591.
- * "Impact of import liberalization on export intensities: a study of the Indian private corporate sector", *The Indian Economic Journal*, The Journal of the Indian Economic Association, Vol. 37, October - December 1989, 103-111.
- * "In-house R&D, imported technology and firm size: lessons from Indian

experience", *The Developing Economies*, Journal of the Institute of the Developing Economies, Tokyo, Vol. 26, September 1988, 212-221.

* "Industrial distribution of Indian exports and joint ventures abroad", (with Ajit K. Dasgupta: Dasgupta and Siddharthan), *Development and Change*, Journal of the Institute of Social Studies, Hague, Vol. 16, January 1985, 159-74.

* "Entry barriers, exports and inter-industry differences in profitability", (with Ajit. K. Dasgupta: Siddharthan and Dasgupta), *The Developing Economies*, Vol. 21, March 1983, 14-23.

* "The monopolistic advantages of multinationals: lessons from foreign investment in the US", (with Sanjaya Lall: Lall and Siddharthan), *The Economic Journal*, Royal Economic Society, Vol. 92, September 1982, 668-83.

* "The recent growth of the largest US multinationals", (with Sanjaya Lall: Siddharthan and Lall), *Oxford Bulletin of Economics and Statistics*, Vol. 44, February 1982, 1-13.

* "The demand for bicycles in India: the relevance of dynamic demand functions", *The Indian Economic Journal*, Vol. 28, 1980, 12-20.

* "Investment behaviour of conglomerate~firms", *Sankhya*, Journal of the Indian Statistical Institute, Series c, Vol. 38, Part , 1976, 44-59.

Papers in Edited Volumes:

* "The performance of Indian and Chinese software firms", in N S Siddharthan and K Narayanan (Eds), (2010) *Indian and Chinese Enterprises: Global trade, Technology and Investment regimes*, Routledge, New Delhi and London, 2010, 74-101, (N S Siddharthan and Stanley Nollen) .

* "FDI, Determinants, Constraints and impact: India – China Comparison", in Manmohan Agarwal (ed), *India's Economic Future*, Social Science Press, New Delhi, 2009, (pages 71-102), (N S Siddharthan)

* "Determinants of R&D: Lessons from Literature", in S R Hashim, K S Chalapati Rao, K V K Ranganathan and M R Murthy (eds), *Indian Industrial Development and Globalisation*, Academic Foundation, New Delhi, 2008, (pages 383-408). (N S Siddharthan).

* "Automobile Clusters in India: Evidence from Chennai and the National Capital Region," in Akifumi Kuchiki and Masatsugu Tsuji (eds.) *The*

Flowchart Approach to Industrial Cluster Policy, London: Palgrave-Macmillan, 2008, pp. 109-144. 2008, (Chapter 5). (Aya Okada and N S Siddharthan)

* “Software and hardware firms in India and China: How they differ”, in S. R. Hashim and N. S. Siddharthan ed, *High Tech Industries, Employment and Global Competitiveness*, Routledge, London, New Yoark and New Delhi, 2008, 17-42, (Stanley Nollen and N. S. Siddharthan).

* “MNEs, product differentiation, skills and employment: Lessons from the Indian experience”, in S. R. Hashim and N. S. Siddharthan ed, *High Tech Industries, Employment and Global Competitiveness*, Routledge, London, New Yoark and New Delhi, 2008, 165-179, (B. L. Pandit and N. S. Siddharthan).

* “Global economic environment: common concerns and policy options for India and China”, in C. V. Ranganathan, ed, *Panchsheel and Future: Perspectives on India-China Relations*, Samskriti and Institute of Chinese Studies, Delhi, 2004, 303-326, (N. S. Siddharthan).

* “International growth by networking but not M&A: the counter example of the Indian software industry”, in Michael A. Trick (ed) *Global Corporate Evolution: Looking Inward or Looking Outward?*, International Management Series, Volume 4, Carnegie Mellon University Press, Pittsburgh 2004, 53-60. (N. S. Siddharthan and Stanley D. Nollen)

* “Why Firms Grow by Foreign Direct Investment: The Role of Mergers and Acquisitions,” in *Growing the International Firm: Success in Mergers, Acquisitions, Networks, and Alliances* (Edited by Michael A. Trick). Pittsburgh: Carnegie Mellon University Press. 2002, 83–99. (Thomas L. Brewer; Stanley D. Nollen, & N. S. Siddharthan.)

(Other Publications)

* “Business Environment, Investment Climate and FDI: Lessons from Chinese and Indian Experiences”, *Economic and Political Weekly*, September 6, 2004, Vol. 39(6), 3986-3988, (N. S. Siddharthan).

* “Globalisation: Productivity, Efficiency and Growth – An Overview”, *Economic and Political Weekly, Review of Industry and Management*, January 31, 2004, Vol. 39(5), 420-422, (N. S. Siddharthan).

- * “Liberalisation, MNE and Productivity of Indian Enterprises”, *Economic and Political Weekly, Review of Industry and Management*, January 31, 2004, Vol. 39(5), 448-452, (N. S. Siddharthan and K. Lal).
- * “Liberalisation and growth of firms in India”, *Economic and Political Weekly*, May 17, 2003, Vol.38(20), 1983-1988. (N. S. Siddharthan and K. Lal)
- * “Globalisation and the Union Budget: Urgent Need for Institutional Reforms” *Economic and Political Weekly*, March 17, 2001, Vol.36(11), 889-892.
- * “Declining investment rates and Union Budget”, *Economic and Political Weekly*, March 25, 2000, Vol. 35 (13), 1050-1054.
- * “European and Japanese affiliates in India: Differences in conduct and performance”, *Economic and Political Weekly, Review of Industry and Management*, May 29, 1999, Vol. 34 (22), M61-M65.
- * “WTO and the Globalisation of Enterprises” , *Economic and Political Weekly*, May 22, 1999, Vol. 34 (21), 1287-1291, (N. S. Siddharthan).
- * “Industrial Deceleration and The Union Budget For 1998-99”, *Economic and Political Weekly*, 33 (18-31), July 1988, 2016-2019.
- * “Technology transfer and import of capital goods: Recent Indian experience”, in *Trade, Innovation and Industrial Performance: India - Canada Linkages*, Ed. S. Magun, Carleton University, Ottawa, 1977, 33- 43, (With A.E.Safarian: Siddharthan and Safarian).
- * “Technology transfer between Canada and India”, in *Trade, Innovation and Industrial Performance: India - Canada Linkages*, Ed. S. Magun, Carleton University, Ottawa, 1977, 1- 14, (With A.E.Safarian: Siddharthan and Safarian).
- * “The budget and industrial development” (with B.L.Pandit: Siddharthan and Pandit), *Economic and Political Weekly*, 32 (20), May 17, 1997, 1187-1189
- * “Approach to Science and Technology Plan”, *Economic and Political Weekly*, 32(8), February 22, 1997, 401-402.
- * *Future Directions for Indian Economy: Technology, Trade and Industry*, [M.V.Krishna Murthy, N.S.Siddharthan and B.S.Sonde (Eds)], New

Age International Publishers, New Delhi, Bangalore, London and Bangkok, 1996, Pages i-vii and 238.

* "Technology and Trade: Future Directions", in *Future Directions for Indian Economy: Technology, Trade and Industry*, (ed) M.V.Krishna Murthy, N.S.Siddharthan and B.S.Sonde, New Age International Publishers, New Delhi, Bangalore, London and Bangkok, 1996, 3-18.

* "Technology transfer and development: The Indian experience", in *Technology Transfer and Development, Japan-ASEAN Forum IV, The United Nations University, Tokyo, 1995, 215-234.*

* "Technology Creation and Technology Transfer: Issues and Policy Options", *MDI Management Journal*, Vol.7, No.2, July 1994, 21-33.

* "Protection of intellectual property rights: Implications for the third world", in *Intellectual Property Rights*, (ed) K.R.G. Nair and Ashok Kumar, Allied Publishers, New Delhi, 1994.

* "Micro-electronics, biotechnology and employment policy", *MDI Management Journal*, Vol. 5(2), July 1992, 51-57.

* "International economic turmoil: the process of creative destruction", *Indian Economic Journal*, Vol. 35, June 1988, 57-67.

* "Technology, modernization and growth: A study of the Indian corporate sector, 1975-1983", *Economic and Political Weekly (EPW)*, Bombay, Vol.23, July 30, 1988, 1587-1590. Reprinted in *Indian Industrialization: Structure and Policy Issues*, (ed) Arun Ghosh, K.K.Subrahmanian, Mridul Eapen, Haseeb A. Brabu, Oxford University Press, Delhi, 1992, 135-147.

* "Industrial Development: issues and policy options", *EPW*, Vol. 2220, May 11, 1985, 839-842. Reprinted in *Indian Economy and its Performance Since Independence*, (ed) R.A.Choudhry, S.Gamkhar and A.Ghosh, Oxford University Press, Delhi, 1990.

* "Industrial structure, non-price competition and industrial development", *EPW*, Annual Number, 1984, 1307-1310.

* "India's low growth rate: possible causes and the way out", *Economic Journalist*, National Seminar Number, 1983, 73-76.

* "Industrial houses, multinationals and industrial policy", *EPW*, Vol.14, July 1979, 1197-1203.

Banking

* *An econometric model of banking in India*, (with A.M.Khusro: Khusro and Siddharthan), Banking Commission, Technical Studies, Reserve Bank of India, Bombay, 1972, 1-77.

* "Banking efficiency and banking growth", (with A.M.Khusro and others), *EPW*, Vol. 6, June 5, 1971, 1150-1152.

Inter-disciplinary Studies

* "Gandhi and the question of technology", *Man and Development*, March 1988, 49-55.

* "The Gandhian thought and the information (fourth industrial) revolution", *Indian Economic Association*, Sixty-eighth Conference Volume, December 1985, 34-46.

* "Voting pattern in the fourth general elections", *EPW*, June 17, 1967, 1083-88.

Have also published several popular articles in fora such as *The Economic Times*, *Financial Express*, *Yojana*, *Mainstream*, *Business Standard*, *Indian and Foreign Review*, *Hindustan Times*, *The Hindu*, etc.

Participation in International Conferences and Programmes

America

Canada

University of Toronto; Conference Board of Canada, Ottawa; *Association of International Business* Annual Conference at Quebec City.

United States of America

Brookings Institution, Washington D.C.; University of California at Berkeley; American Graduate School for International Management, Phoenix; University of Chicago and North Western University, Chicago; Boston University, Sloan School of Management at MIT; State University of New York at Buffalo; Columbia and New York Universities, New York; University of Pennsylvania; Carnegie Mellon University, Pittsburgh; Annual conference of the Academy of International Business, Phoenix, Arizona; Georgetown University, Washington DC; World Bank, Washington DC.

Brazil

Federal University of Pernambuco, Recife

Europe

Belgium

University of Antwerp

The Netherlands

University of Leiden; University of Groningen Research School, Groningen; Institute of Social Studies, The Hague; Erasmus University Rotterdam; United Nations University, Institute for New Technologies (UNU-INTECH), Maastricht.

Germany

Carnegie Bosch Institute's 5th International Conference, Berlin.

UK

The Management School, Lancaster University; University of Oxford; University of Cambridge; London School of Economics; University of Sussex;

Poland

International conference on New Frontiers in Economic Policy, organized by the school of Management, Warsaw University, and Institut Orleanais de Finance, Universite d'Orleans, France, at Czernijewo.

Hungary

Karl Marx University of Economics, Budapest

Asia

Japan

Hitotsubashi University, Tokyo; United Nations University, Tokyo;

Korea

Korean Productivity Council, Seoul.

Hong Kong

University of Hong Kong

Sri Lanka

Conference organised by the United Nations Commission on Science and Technology for Development (UNCSTD), Colombo

Other Professional Activities

Collaborative Research

He has ongoing and past collaborations in research with several Institutions that include Hitotsubashi University, Tokyo; Institute of Developing Economies, Tokyo; Erasmus University Rotterdam; United Nations University INTECH, Maastricht, The Netherlands; University of Toronto, Canada; Georgetown University, Washington DC, USA; University of Oxford, UK; and University of Antwerp, Belgium.

Other Activities

Member, Management Committee and Editorial Board of the journal “*The Journal of Industrial Statistics*”, January 2013 - Present

Member, Working Group Index of Industrial Production, Ministry of Statistics and Programme Implementation, Government of India, April 2012 – Present

Member, Standing Committee on Industrial Statistics, Central Statistical Organisation, Government of India, April 2012 – Present

Member Scientific Committee, *Innovation and Development*, Routledge, 2010- Present

Member Secretary, Forum for Global Knowledge Sharing, 2002- Present
< <http://fgks.in> >

Member, Senate, Indian Institute of Technology, Delhi, 2005- 2007

Member, Editorial Advisory Board, *Foreign Trade Review*, 2000- 2005

Member, Advisory Board, *Science, Technology and Society*, an international journal devoted to the developing world, 1998-2003.

Member, Academic Advisory Council, Management Development Institute, 1997- 2002

Member, Expert Group, Centre for Studies in Science Policy, School of Social Sciences, Jawaharlal Nehru University, 1997- 2002.

Member, Economic Research Guidance Committee, Small Industries Development Bank of India, 1998- 2004.

Member, Review and Evaluation Committees, National Institute of Science, Technology and Development Studies, Council of Scientific and Industrial Research (CSIR), New Delhi, 1991 - 1996

Course Director, In-service refresher training programme for senior Indian Administrative Service (IAS) officers, IEG, 1988 - 1991

Hon. Consultant, Bureau of Industrial Costs and Prices, Government of India, 1989 - 91.

Member, Panel of Industrial Economists, Planning Commission, Government of India, 1986-89.

International Visitor, United States of America, May - June 1987.

Hon. Consultant, Economic Advisory Council to the Prime Minister, Government of India, 1986-87.

Member, Think Tank, India - Japan Study Committee, Planning Commission, 1984 - 85.

Member, Task Force on Money, Banking and Foreign Trade Statistics, Planning Commission, 1983.

Member, Working Group on Analysis and Measurement of Incremental Capital Output Ratios, Planning Commission, 1983.