

VITA

NAME : **DESAI PRANAV N.**

ADDRESS FOR CORRESPONDENCE : **Professor & Chairperson, Centre for Studies in Science Policy School of Social Sciences – I
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BIRTH DATE : June 10, 1952

EDUCATION

Ph.D. (Science Policy Studies) : Centre for Studies in Science Policy
School of Social Sciences, Jawaharlal
Nehru University, New Delhi, India
(Degree awarded in August, 1985)

M.Phil (Science Policy Studies) : Centre for Studies in Science Policy,
School of Social Science, Jawaharlal
Nehru University, New Delhi, India
(Degree awarded in December, 1981)

M.A. (Political Science) : Faculty of Arts, M.S. University, Baroda,
India, June 1975 to May 1977

B.A. (Political Science) : Faculty of Arts, M.S. University, Baroda,
India, June 1972 to May 1975

Preparatory Science : M.S. University, Baroda, India, June
1969 to October 1970

High School : Rosary High School, Baroda, India, June
1962 to May 1969

Ph.D. Dissertation : "Science and Technology in the United
Nations Systems: Role of International
Cooperation in the Development Process"

M.Phil. Dissertation : "International Cooperation in Indian Agricultural Research".

WORK EXPERIENCE

PROFESSOR & Chairperson : 17th April 2005- Continued
Centre for Studies in Science Policy,
School of Social Sciences, Jawaharlal
Nehru University, New Delhi - 110 067
India

Associate Professor : 17th April 97-16th April 2005

Courses Taught (M. Phil./Ph. D.)
1. Analysis in Science and Technology Policy
2. Technology Futures Analysis

Other Academic Activities

Chairman, Advisory Committee for RVPSP, Ministry of Science & Technology, Govt. of India

Visiting Fellow (2010), Centre for Biomedicine & Society, King's College, London, UK

Regional Editor, South Asia *World Journal of Science, Technology & Sustainable Development (WJSTSD)*, WASD Publishers

Associate Editor, *International Journal of Institutions and Economies*

Member, Scientific Committee, *Journal of Innovation and Development*, Routledge (Taylor & Francis group).

Guest Editor

1. Special Issue on Shaping Emerging Technologies, Innovations and Futures *International Journal of Foresight and Innovation Policy (IJFIP)* Volume 3 - Issue 2 – 2007.
2. Special Issue on Challenges of Emerging Technologies and Sustainable Development in Asia *World Review of Science, Technology and Sustainable Development (WRSTSD)* Volume 3 - Issue 4 – 2006.

Ph.D. & M. Phil. Students Supervised:
& Completed

Ph.D.

- (1) Socio-economic Impact of Information and communication Technology: A Study of the Indian Banking Sector
- (2) Health Biotechnology Innovation System in India: Capitalisation of Linkages

- (3) Role of the National Dairy Research Institute and Central Food Technology Research Institute in the Development of the Dairy Industry: Technology Foresight Perspectives

Ongoing

- (1) The Ethics and Governance of Stem Cell Clinical Research in India (Joint Supervision at the University of Nottingham, UK)
- (2) Changing Paradigms in Indo-US S&T “Cooperation”: Emerging Technologies in the 1990s.
- (3) Intellectual Property Rights and Technological Capabilities: A Case Study of Select Agri-Biotechnology Companies in India.
- (4) Integrated Coastal Development for Karnataka: Conceptual and Technological Issues.
- (5) An Analysis of Patenting Patterns in Selected Industrial Sectors in India (1972-1999)
- (6) Science and Technological Issues in Blood Policy of India.
- (7) Public Encounters with the Complex Sciences: Analysis of Responses to Cyclone and Earthquake Warnings in India.
- (8) Interrelationship between Traditional Knowledge and Institutional Science: Impact on Agricultural Biodiversity Conservation
- (9) Technological Change, Liberalisation and the Indian Telecommunication Sector
- (10) Women Scientists in India: Scientific Productivity in the Life Sciences

Completed

M.Phil.

- (1) Diffusion of Innovation: Grassroots Innovation in Traditional Medicine in Selected Villages of Jharkhand State

- (2) Intellectual Property Rights Issues in Medical Biotechnology and Health Security: With Special Reference to India
- (3) Agricultural Biodiversity: International Regulations and Implications for India
- (4) Biofuels, Energy Security and the Emerging Policy Issues in India
- (5) R&D in Agricultural Biotechnology and Food Security in India
- (6) Technological Capacity Building in the Food Processing Industry
- (7) Agro-Biotechnology, Plant Variety Protection Act, Farmers' Rights and its Impact on the Indian Seed Sector
- (8) Science, Technology and Acquired Immune Deficiency Syndrome: An Analysis of Vaccine Research in India
- (9) Impact of the WTO/TRIPS Agreements on the Indian Agricultural Sector with Specific Reference to Rice Varieties
- (10) Structural Vulnerability to Flood and Bank Erosion in Majuli Island: The State Policy on Flood Mitigation in Brahmaputra River Basin
- (11) Technology Diffusion under Clean Development Mechanism: A Case Study of Wind Power Generation in India
- (12) Nanotechnology Research in India: Challenges and Futures Analysis
- (13) Globalisation and Biodiversity: A Study of Fauna in India
- (14) Assessment of Technological Choices in Coal Mining: A Case Study of Mahanadi Coal Fields
- (15) Diversification of Indian Dairy Industry: A Case Study of AMUL and RCDF

DIRECTOR

: 29th Nov.89 – 17th Sept. 92 and
18th Sept. 95 – 16th April 97.

**Centre for Research in Environment,
Science and Technology policy**

**(Society registered under Society
Registration Act XXI of 1860)**

112, Vasant Enclave,
New Delhi - 110 057.

Projects Completed

Socioeconomic Impact of Sea-Level Rise
on the Coastal Region in Goa, Karnataka
and Maharashtra
(Sponsored by Ministry of Environment
Govt. of India)

Coastal Marine Environment of
Maharashtra - State of Art
(Sponsored by Ministry of Environment,
Govt. of Maharashtra)

Perspective Plan for the Ship-Cell (1992-
2002), National Institute of
Oceanography, Goa.

Environmental Impact of Konkan
Railway Project.

Coastal Marine Environment of Gujarat :
Gulf of Kachchh (Report I)
Gulf of Khambhat (Report II)
Coastal Region of Saurashtra (Report III)
Coastal Region of South Gujarat (Report
IV)
(Project Sponsored by Gujarat Ecology
Commission)

Fuelwood and Sustainable Development
(Sponsored by ADDC, Planning
Commission, Ahmedabad).

FELLOW SCIENTIST
(Range 4)

: 18th Sept. 94 – 17th Sept. 95
Room No.101, Human Resource
Development Group, CSIR Complex
(Council of Scientific and Industrial
Research), Dr. K. S. Krishnan Road,
New Delhi - 110 012 India
Tel# (011) 5741038

Project participation

Research and Coordination in
Extramural Research Policy and S & T
Manpower Development

FELLOW SCIENTIST

: 18th Sept. 92 – 17th Sept. 94

(Range 3)		Central Leather Research Institute, Adyar, Madras 600 020. India
Project Participation	:	Coordination of International Projects Technology Assessment & Forecasting in Leather Sector Technology Mission on Leather
ACADEMIC COUNSELOR	:	Sept- Dec.1993 Technology Management, Indira Gandhi National Open University, Madras.
CONSULTANT	:	Sept. 1987 - October 1989 Operation Research Group, Dr. Sarabhai Marg, Baroda - 390 007.
Projects Completed		Study of Development Strategy for Service Population around Hazira Industrial Complex. (Sponsored by the National Commission on Urbanization). Environmental and Social Impact of the Indira Gandhi Irrigation Project in Rajasthan. Technology Policy and Meat & Meat Products (Sponsored by the Ministry of Food Processing, Govt. of India). Energy & Environment : Transport Sector (Sponsored by Gujarat Energy Development Agency).
RESEARCH FELLOW	:	December, 1985 - August 1987. Centre for Research in Rural and Industrial Development, Chandigarh, India.
Projects Completed		Science, Technology and Industrial Development in Haryana, Himachal Pradesh, Jammu & Kashmir and Punjab.
SEMINAR		“Globalization, Innovation and Social Capital: Changing Nature of Indo-French S&T Cooperation Policy”, a paper

presented at Atlanta Conference on Science, Technology, and Innovation Policy, organised by Georgia Tech, Atlanta, USA, October 2-3, 2009

“Gender In Indian Science & Technology: Recognition of Excellence”, a paper presented at the International Workshop on Empowerment of Women through Science and Technology Interventions Tehran, Iran, 14-16 December 2008, organised jointly by IROST, IWAS and NAM S&T Centre

“Globalisation of Innovations: Changing Nature of India’s S&T Cooperation Policy”, a Paper presented in the VI Globelics Conference at Mexico City, September 22-24 2008.

“Globalisation of Innovations: India’s R&D Collaboration with the Asian Developing Economies”, a paper presented at the 4th ASIALICS International Conference on Making Innovation Work for Society: Experiences from Asia, 22 - 24 July 2007 Kuala Lumpur, Malaysia organized jointly by the University of Malaya and Ministry of Ministry of Science, Technology & Innovations, Govt. of Malaysia.

“Indigenous Knowledge and Intellectual Property Protection Colonial Roots and the Implications for the Futures” A paper presented at the International Workshop on Nature in the Raj: Colonial Environments and Indigenous Knowledge organised by the Centre for studies in Science Policy (CSSP, Jawaharlal Nehru University), Centre for World Environmental History (CWEH, Sussex University) and Nehru Memorial Museum and Library (NMML, New Delhi), August 18-19, 2006.

“Information Society Technology Policy Options and Strategies for Changing Europe by 2020: Lessons from Asia”, A Paper Presented at the FISTERA

Conference on Information Society Technologies at the Service of a Changing Europe by 2020: Learning from Worlds Views Organized at the Institute for Prospective and Technological Studies (European Commission's Joint Research Centre), Sevilla (Spain), 16 -17 June, 2005.

“Challenges of Agro-Biotechnologies, Intellectual Property Rights & Globalization: Role of Academic Institutions in Achieving the Millennium Development Goals”

Keynote address at the WRSTSD Second International Conference Global Partnership for Sustainable Development: The Role of Academic Institutions and Societies in Achieving the Millennium Development Goals held at the Napier University, Edinburgh – Scotland, 8 - 10 November 2004.

“Challenges of Agro-Biotechnologies, IPR, Globalization and Rural Transformation”

A Paper Presented at the National Seminar on Globalisation and Rural Transformation Organised by Kakatiya University, Warangal February 20-22, 2004

“Implications of Intellectual Property Rights/TRIPS Agreement for the Developing Countries”

A Paper presented at Institute of Innovation Research, the University of Manchester, October 22, 2003

“Science, Technology and Liberalization: Promises and Challenges”

A Paper presented at the International Conference on Challenges for Science and Engineering in the 21st Century Organized by the International Network for Engineers and Scientists for Social

Responsibility held during 14-18 June, 2000 at Stockholm, Sweden.

“Gender in Indian Science & Technology : Recognition of Excellence”
A paper submitted at the 10 GASAT Conference on World Wide Wisdom – Socially Responsible and Gender Inclusive Science and Technology July 1-6, 2001 Copenhagen, Denmark

Agricultural Research and Food Problem
Role of FAO in Agricultural Development
A paper presented at the XVII Social Science Congress, Bangalore, August 15-20, 1993.

New Technology Policy: Major Shifts and Implications.
A paper presented at the XVII Social Science Congress, Bangalore, August 5-20, 1993.

Science, Education and Development.
A paper presented at the Conference on Challenge of Education - A policy perspective held at the Centre for Research in Rural & Industrial Development, Chandigarh, India (October 19-20, 1985).

International Cooperation in Indian Agricultural Research : A study of Bilateral Agreements.
A paper presented at the National Seminar on Social Perspective of Development of Science and Technology in India held in Kanpur, India. (October 23-26, 1981)

SEMINAR CONVENED

Global Citizen Consultation on Climate Change, September 26, 2009
Organized by the Centre for Studies in Science Policy, JNU.
(Sponsored by HRDG, Council of Scientific and Industrial Research and the Department of Science & Technology, Govt. of India)

Science, Technology, Coastal Zone
Management and Policy
November 17-18,2000
(Sponsored by HRDG, Council of
Scientific and Industrial Research and
the Department of Science &
Technology, Govt. of India)

Regional Perspective on Science
Technology and Industrial Development
in Haryana, Himachal Pradesh, Jammu
& Kashmir and Punjab. April 3-9, 1987.
(Sponsored by the Department of
Science & Technology, Govt. of India)
A theme paper presented for the same.

PUBLICATIONS

Articles in Journal

1. “Globalization of Innovations: Changing Nature of India’s Science and Technology Cooperation Policy”, *International Journal of Institutions and Economies*, Vol. 1, No. 1, April 2009, pp. 52-77.
2. “Traditional Knowledge and Intellectual Property Protection: Past and Future”, *Science and Public Policy*, Vol. 34, No.3, April 2007.
3. “Challenges of Agro-Biotechnologies, Intellectual Property Rights and Globalization”, *Asian Biotechnology and Development Review*, Vol. 7 No. 2, March, 2005.
4. “Challenges of Agro-Biotechnologies, Intellectual Property Rights and Globalisation Role of Academic Institutions in Achieving the Millennium Development Goals”, *World Review of Science, Technology and Sustainable Development*, Vol. 2, No. 1, 2005. Jan – March, 2005.
5. “Science, Technology and Liberalization: Promises and Challenges in the 21st Century”, *India in the 21st Century*, *Science*,

- Technology and National Development*(STAND Special Issue), New Delhi, 2001, pp.91-100.
6. "Bioethics and the Role of Universities", *JNU News*, (Jan-Feb 1998, JNU), pp. 15-16.
 7. "Technology Assessment in the Indian Footwear Sector", *Technological Forecasting & Social Change* (Elsevier Science Inc., New York, 48, 177-187, 1995).
 8. "Socioeconomic impact of Sea Level Rise on Coastal Region of Goa." *Indian Journal of Social Science* (Vol.7, No.1, Jan - March 1994), pp.67-73.
 9. "Ocean Resource Planning", *Yojana* Ministry of Information & Broadcasting, New Delhi, July 31, 1993), pp.6-7.
 10. "Industrial Restructuring and Redeployment: Role of UNIDO in Industrial Development". *Man and Development* (CRRID, Chandigarh, June 1990), pp. 27-39.
 11. "Science & Technology in the UN System" *JNU News* (Jawaharlal Nehru University, April 1986), pp.17-20 & 25.
 12. "Administration of International Cooperation in Indian Agricultural Research". *Agricultural Administration* (Applied Science Publishers Ltd., London, Vol.10, No.1, May, 1982), pp.12-22
 13. "On Science Policy", *Social Scientist* (Vol.8, No.4, November, 1979), pp. 79-83.
 14. "CSIR Scheme of Partial Travel Grants: An Analysis", *Journal of Scientific & Industrial Research*(Vol. 53, November1994), pp. 886-889.
Co-Author : N.R.Rajagopal
 15. "CSIR Scheme of Partial Travel Grants : An Analysis, 1994-95", *Journal of Scientific & Industrial Research* (November Vol. 54, 1995), pp. 684-688.
Co-Author : N.R.Rajagopal

Chapters in Book

1. "Gender in Indian Science and Technology: Recognition of Excellence", *Empowerment of Women through Science and Technology Interventions* edited by Nirupama Prakash, Betty McLellan and Barbara Wejnert (Regency Publications, 2010 New Delhi), pp. 30-43.
2. "Information Society Technology Policy Options and Strategies for Changing Europe by 2020: Lessons from Asia", *Information Society Technologies at the Service of a Changing Europe by 2020: Learning from World Views* (The Publishing House of the Romanian Academy, Bucharest, 2005).
3. "Coastal Marine Environment of Gujarat", *Science, Technology, Coastal Zone Management and Policy* (Allied Publishers, New Delhi, 2003).
4. "Integrated Coastal Management, Ocean Policy and Hidden Risks", *Subtle Issues in Coastal Management* edited by R. Sudarshana et al (Indian Institute of Remote Sensing, Dehradun, 2000).
5. "Technological Change in Indian Footwear Sector", *Indian Leather 2001* edited by G. Thyagarajan et al. (CLRI, Madras, 1994), pp. 303-320.
6. "Regional Perspective on Science, Technology and Industrial Development in Haryana, Himachal Pradesh, Jammu & Kashmir and Punjab", *Technology for Development : Perspective on Northern India*. Vol. I edited by S. B. Rangnekar et al (CRRID, Chandigarh, 1990), pp.10-16.

BOOKS/Reports

1. *Science, Technology, Coastal Zone Management and Policy* (Allied Publishers, New Delhi, 2003).
Co-Editor: K. V. Radhakrishnan
2. *Science, Technology and International Cooperation* (Har-Anand Publications, New Delhi, 1997).
3. *Coastal Marine Environment of Gujarat*
: *Gulf of Kachchh Report I*
Gulf of Khambhat Report II
Coastal Region of Saurashtra Report III
Coastal Region of South Gujarat Report IV.
(Gujarat Ecological Society, 1995-1997).

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