

Curriculum Vitae



Dr. Vinod Kumar Sharma, Chairman, NEEF

Ph.D. (I.I.T. Bombay, Air Pollution); **PDF** (Environmental Fellow, World Bank, DC, USA);
PDF (STA Fellow, Ministry of Environment, Japan); **Fellow and Chartered Engineer**, IEI (India)
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SEEDing Sustainability Worldwide

The National Ecology and Environment Foundation (NEEF) Mumbai – 400053 (INDIA)

The National Ecology and Environment Foundation (NEEF) is a not-for-profit, non-governmental organization (NGO) headquartered in Mumbai, India, with branch offices across the country and overseas. Established by distinguished experts from engineering, science, humanities, social sciences, and policy-making backgrounds, NEEF actively promotes education, research, consultancy, advocacy, and media initiatives in the fields of energy and environment, with a strong commitment to advancing the principles of sustainable development.

NEEF maintains numerous affiliations and collaborations with individuals and organizations both in India and abroad. It is also the founder and supporter of two important initiatives: the Indian Society for Life Cycle Assessment (ISLCA) and the Institute for Sustainable Energy, Environment and Development (ISEED).

The ISLCA serves as a neutral platform for advancing knowledge and practice in environmental management and life cycle assessment (LCA). It provides an inclusive forum where diverse perspectives can be shared, debated, and developed. Its advisory board comprises nationally and internationally recognized experts and researchers, supported by a network of life members, consultants, coordinators, and volunteers who contribute actively to NEEF's mission.

The ISEED focuses on educational and training initiatives, action-oriented and media programs to raise public awareness, interdisciplinary basic and advanced research, and specialized consultancy services for both public and private sector organizations. Its primary objectives are to foster knowledge, build capacity, and develop innovative solutions that integrate sustainability into energy and environmental practices.

“Through its programs and activities, NEEF is committed to its guiding motto: SEED – ‘Sustainable Energy, Environment, and Development’ worldwide.”

Brief CV:

Vinod Kumar Sharma, Ph.D.

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Professor Vinod Kumar Sharma has an academic background in Civil and Environmental Engineering. He earned his Ph.D. from the Indian Institute of Technology Bombay, India, and his Master's and Bachelor's degrees from M.B.M. University, Jodhpur, Rajasthan. His expertise is further strengthened by post-doctoral fellowships at the World Bank, Washington, D.C., USA, and at the National Institute for Environmental Studies (NIES), Ministry of Environment, Government of Japan. He is also a Fellow and Chartered Engineer of the Institution of Engineers (India).

With over 43 years of professional experience, Prof. Sharma has excelled in roles spanning engineering, academia, and institutional leadership. His contributions in higher education are extensive, having served as Dean of Faculties, Dean of Academic Programs, Dean of Students' Affairs, and Head of Department. He has been an active member of several statutory and governing bodies, including the Board of Management, Planning & Monitoring Board, Board of Studies, Executive Council, and Academic Council of various universities. He has also chaired the Selection Committee for the appointment of a Vice-Chancellor and served as a member of Selection Committees for Professors and other faculty positions in various universities. **Currently, he serves as the Chairman of the National Ecology and Environment Foundation (NEEF), India.**

Prof. Sharma possesses a wealth of international experience in several countries across six continents. Notable among his affiliations are his positions as an Environmental Fellow at the World Bank in Washington DC, USA, and as a Fellow of the Science and Technology Ministry at Japan's National Institute of Environmental Studies in Tsukuba under the Ministry of the Environment, Japan. His research portfolio includes numerous projects, consultancy assignments, training programs and collaborations with esteemed organizations. These include international organizations (UNEP, UNDP, USAID, UN-ESCAP, UNCTAD, UNCSD, World Bank, WWF, UNESCO, UN-HABITAT); American (USAID, USAEP, TAF, ICEF, USGBC); European (IIED, CREED, SETAC); Japanese (NIES, AIST, JETRO, JBIC, IDE, APO, IAS-UNU, NEF, SNTT, METI, NEDO); Australian (RMIT, ANU, UTS); Russian (RAS); African (USIU, UNU); and Southeast Asian entities (APEC, NRCT, TISTR, VAST, ERIA).

Prof. Sharma has authored over 213 publications including papers in peer-reviewed international and Indian journals, books, policy reports, and conference proceedings. He actively contributes to global scholarly exchange, serving on editorial boards and as a peer reviewer for international journals. His research interests focus on Sustainable Energy, Environment, and Development issues, encompassing renewable energy, environmental conservation, climate change mitigation, natural resource management, and sustainable engineering infrastructures. **Prof. Sharma is deeply committed to promoting sustainable development initiatives and is the founder President of the Indian Society for Life Cycle Assessment (ISLCA), Member of UNEP's International Life Cycle Board (ILCB), and Founding and Council Member of the International Society for Energy Transition Studies (ISETS), Australia.** His dedication to academia and sustainable development is further demonstrated through his editorial leadership roles in scholarly journals, including founding the International Journal for Sustainable Innovations (IJSI), serving as Editor-in-Chief of the E-magazine SAVITARKA, and initiating the International Symposium on a Sustainable Future (ISSF). Prof. Sharma continues to influence policy-making at local, national, and international levels while making significant contributions to the global sustainable development community.

Detailed CV:

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EDUCATIONAL AND PROFESSIONAL QUALIFICATIONS:

S. No.	Qualification	University/ Organization	Year	Subject(s)/ Topic(s)	Percentage /Grade/Div Achieved	Distinctions/ Remarks
1.	Post Doctorate (USA)	USAID, USAEP, TAF and World Bank (USA)	1994- 1995	International Trade and Recycling of Waste	NA	One of the eight Indians selected
2.	Post Doctorate (Japan)	Science and Technology Ministry; and, NIES Environment Ministry, Japan	1995- 1997	Climate Change Impact Modelling on Agriculture and Water Resources	NA	One of the ten Indians selected
3.	Ph.D. (India)	I.I.T. Bombay	1988- 1991	Environmental Science and Engineering	CGPA (9/10)/ First	Completed Ph.D. in a record time in the Dept.
4.	Post-Graduation (M.E.), (India)	University of Jodhpur, Rajasthan	1983- 1986	Water Pollution	65/(First)	Completed in record time in the Dept.
5.	Graduation (B.E.), (India)	University of Jodhpur, Rajasthan	1976- 1981	Civil Engineering	69/ (First)	Distinction in Environment Subjects
6.	Fellow and Chartered Engineer (India)	Institution of Engineers	2020	Environmental Science and Engineering	NA	NA

Topic and Salient Features of Ph.D. Research: Ph.D. research focused on “Monitoring and Modelling of Atmospheric Aerosols in an Industrial Region of Bombay.” This research on Source Identification and Apportionment of atmospheric aerosols (SPM) was likely one of the first of its kind in the country. It involved analyzing SPM samples from six cities in an industrial region of Bombay. These samples were analyzed for about 40 physical and chemical species using advanced techniques. Simultaneously, rainwater samples and wind data were also collected. The data were subjected to statistical analyses such as correlation, factor analysis, and multiple regression. This research identified and quantified major pollution sources in the area and its findings continue to be relevant for shaping policies and designing pollution abatement measures.

WORK EXPERIENCE: (Total Experience of over 43 Yrs)

The work experience includes Major full-time assignments and several parallel / part time assignments, within India and abroad, detailed as follows:

DETAILS OF THE PRESENT ASSIGNMENT

Designation	Chairman, NEEF
About the Organization	The National Ecology and Environment Foundation (NEEF) is a not-for-profit, non-governmental organization (NGO) headquartered in Mumbai, India, with branch offices across the country and abroad. NEEF also supports the Indian Society for Life Cycle Assessment (ISLCA) and the Institute for Sustainable Energy, Environment, and Development (ISEED). NEEF's approach to sustainability is holistic, addressing technological, socio-economic, and policy aspects, from identifying challenges to proposing practical solutions.
Date of Appointment	01-09-2025
Nature of Job	Academic and administrative responsibilities including research, consultancy, training, event organization, publishing and teaching on technological, socio-economic, and policy aspects of SEED (Sustainable Energy, Environment, and Development) issues.

PREVIOUS MAJOR FULL-TIME ASSIGNMENTS:

- **Dean of Faculties and Member, Board of Management, IGIDR** (Nov. 08, 2023 – June 30, 2025), parallel with Professor's Assignment.
- **Professor – Over 23 years** at IGIDR, Mumbai, from (September 01, 2001-June 30, 2025)
- **Professor – Over 1 year** at SNDT Women's University, Mumbai, (1998-1999).
- **Member, Board of Management, IGIDR - two years, (2011-2013)**, parallel with Professor's Assignment.
- **Dean of the Institute, IGIDR – above two years (2003-2005)**, parallel with Professor's Assignment
- **Dean of Students' Affairs, IGIDR - two years (2001-2003)**, parallel with Professor's Assignment.
- **Professor and Head of Department - one year, (1998-1999)**, SNDT Women's University, Mumbai (on sabbatical leave from IGIDR).
- **Associate Professor - about 9 years**, at IGIDR. (1991-2001)
- **Assistant Professor – about 9 years** (5 years in Senior Scale 1986-91 and about 4 years, 1981-86, in Junior Scale) at University of Jodhpur, Rajasthan, India.
- **Lecturer – Four Months, (Aug.-Nov., 1982)**, Board of Technical Education, Rajasthan, India.
- **Junior Civil Engineer – Six Months, (Mar-Aug, 1982)**, Irrigation Department, Govt. of Rajasthan, India.

DETAILS OF PREVIOUS ASSIGNMENTS (FULL-TIME, PART-TIME, OR PARALLEL):

- **Nov. 08, 2023 – June 30, 2025 and May 11, 2011- May 10, 2013:**

Designation: Member, Board of Management (BOM) of IGIDR.

Job Details in Brief: The BOM is the highest decision-making body of IGIDR with Governor of the RBI as its Chairperson. This was a two years' parallel Assignment with Professor's Assignment and work involved in taking decisions on all matters related to an overall management of IGIDR.

- **July, 2008-2013:**

Designation: International Expert for AIST, Japan and ERIA, Indonesia.

Job Details in Brief: Worked as an expert in the work-group of a multi-country study team for a research project on "Sustainability of Biomass Energy in East Asia" formed by the National Institute of Advance Science and Technology (AIST) and Economic Research Institute for ASEAN and East Asia (ERIA), July 2008- 2013.

- **June, 2007-March, 2008:**

Designation: International Expert for JETRO and IDE, Japan.

Job Details in Brief: Worked as an expert in the work-group of a multi-country study team for a research project on "Biomass Utilization Vision for East Asia" formed by the Institute of Developing Economies (IDE) and The Japan External Trade Organization (JETRO), June 2007- March 2008.

- **September, 2005-March, 2007:**

Designation: Consultant for Tata Motors Limited, A blue chip company of Tata Group, India.

Job Details in Brief: This assignment focused on "Integrated Assessment of Air Quality (AQ) in New Delhi." The objective of this research was to assess the AQ at selected locations within New Delhi. The study used an integrated approach including AQ Monitoring (Field Sampling and Laboratory Analysis), AQ Receptor Modeling (for Source Identification and Apportionment) and empirical analysis of Health Impacts of AQ.

- **April-May, 2005:**

Designation: International Expert for Japan Bank for International Cooperation (JBIC).

Job Details in Brief: This assignment involved an extensive review of the Environmental Impact Assessment (EIA) and recommendations for an efficient management of the project on "Swan River Flood Management and Integrated Land Development Project in Himachal Pradesh (H.P.), India." This was a long-term project of the Govt. of HP on river basin development involving many environmental and socio-economic issues for which the HP Govt. approached the JBIC for the project assistance of about INR.350 Crores. A detailed EIA report on the evaluation was prepared and submitted to the JBIC.

- **July 2003-August, 2005:**

Designation: Dean of IGIDR, Mumbai

Job Details in Brief: This was more than two years' parallel assignment with Professor's post and involved administration, overall supervision and Management of Academic Programs at IGIDR. Also, was the first Dean to initiate the integrated M.Sc.-M.Phil.-Ph.D. program w.e.f. August, 2003.

- **January –February, 2005:**

Designation: Lead Consultant for India Canada Environment Facility (ICEF).

Job Details in Brief: This assignment included the mid-term evaluation of ICEF-WBPCB project on “Pollution Prevention and Waste Minimization of Small Scale Industries (SSI) in Kolkata Metropolis Area.” In this project ICEF and WBPCB initiated a drive for adoption of cleaner production technologies by using less polluting fuels. This work involved an extensive field survey of selected SSIs in West Bengal. A detailed report on evaluation was prepared and submitted to the ICEF.

- **July 2001-June, 2003:**

Designation: Dean, Student Affairs, IGIDR

Job Details in Brief: This was a two years’ parallel assignment with Professor’s post and involved administration, overall supervision and Management of students’ welfare and grievance (SWGC) at IGIDR. Also, formed the SWGC as was it’s the first Convener of the SWGC (now, designated as the Dean of Student Affairs).

- **May-June, 2002:**

Designation: Team Leader of Consultants’ Team for India Canada Environment Facility (ICEF).

Job Details in Brief: This assignment included final performance evaluation of ICEF-WWF project on “Environment Education and Capacity Building for Promoting Nature Conservation and Environmental Protection.” In this project WWF-India with the help of 19 partner NGOs has established over 800 Nature Clubs (NCs) in Seven States of India. This work was an extensive field survey of selected NCs in all these states and collect primary data and their analyses for final performance evaluation of NCs in India. A detailed report on evaluation was prepared and submitted to the ICEF.

- **July, 1998 – June, 1999:**

Designation: Professor and Head (during one year of Sabbatical Leave from IGIDR)

Organization: Dept. of PG Studies & Research, SNDT Women’s University, Mumbai-400 049.

Job Details in Brief: The nature of job was Administrative-cum-Academic and involved various activities related to research, consultancy & teaching at Master’s and Ph.D. levels in the areas of Energy, Environment and Development, Ergonomics and Consumer Education.

- **December, 1991 – June, 1998 and July, 1999 -August, 2001:**

Designation: Associate Professor

Organization: Indira Gandhi Institute of Development Research (IGIDR), Mumbai-400065.

Job Details in Brief: The nature of job involved advanced and basic research, consultancy & teaching at Master’s and Ph.D. levels on various issues related to the Energy, Environment and Development issues with a focus on technological, socio-economic and policy aspects.

- **July, 1995 – December, 1996:**

Designation: STA Fellow at the NIES of Japan Environment Agency (Ministry).

Organization: National Institute for Environmental Studies, Tsukuba, Ibaraki 305, (JAPAN).

Job Details in Brief: This selection was through the Science and Technology Agency (Ministry) of Japan under an open international competition. I was among Ten Indian candidates selected from

more than 250 applicants. The research topic was on "Climate Change Issues and involved application of GIS and computer modeling to estimate the impact of global warming on agricultural crops, water resources and socio-economic sectors in India and the Asia-Pacific Region."

- **May - June, 1996:**

Designation: Consultant to the World Bank.

Organization: Asia Technical Environment Division of World Bank, Washington D.C., (USA).

Job Details in Brief: The research focused on "Indian Perspectives on Trade and Recycling of Waste Paper," and the report prepared was incorporated in a broad study conducted by the Environment and Natural Resource Division of the World Bank, Washington DC, USA.

- **October, 1994 – January, 1995:**

Designation: USAID/ USAEP/ TAF's Environmental Fellow at the World Bank.

Organization: Asia Technical Environment Division of the World Bank, Washington D.C.(USA)

Job Details in Brief: This assignment was under the Environmental Fellowship Program of the US-Asia Environment Partnership sponsored by the USAID and TAF. I was among eight Indian candidates selected from more than 150 applicants. The topic of Research was "Trade and Recycling of Wastepaper." Major issues studied were- Trade, Socio-Economic & Environmental impact of Wastepaper Recycling & Policy Aspects for the future of Recycling Programs.

- **November, 1985 - December, 1988:**

Designation: Warden of Hostel

Organization: Engineering Hostels, University of Jodhpur, Jodhpur-342001, Rajasthan (INDIA).

Job Details in Brief: Officer-in-Charge of the Overall Supervision and Management of Hostel Affairs. I was the youngest warden of any hostel during that period in the University.

- **November, 1987 - December, 1988:**

Designation: N.C.C. Officer of First Raj. Engg. Regiment (Captain of Army Rank)

Organization: Faculty of Engineering, University of Jodhpur, Jodhpur-342001, Rajasthan (INDIA).

Job Details in Brief: Officer-in-Charge of the Overall Supervision and Management N.C.C. Activities of Engineering Faculty. I was the youngest N.C.C. Office during that period in the University.

- **November, 1987 - December, 1988:**

Designation: N.S.S. Program Officer

Organization: University of Jodhpur, Jodhpur-342001, Rajasthan (INDIA).

Job Details in Brief: Officer-in-Charge of the Overall Supervision and Management N.S.S. Activities of Engineering Faculty. I was the youngest N.S.C. program officer during that period in the University.

- **November, 1982 - December, 1991:**

Designation: Assistant Professor (Civil Engineering).

Organization: Civil Engineering Dept., University of Jodhpur, Jodhpur-342001, Rajasthan (INDIA).

Job Details in Brief: This assignment involved teaching and research at postgraduate and under graduate levels to Civil and Environmental Engineering students, Supervising Dissertations at Master's level, officer-in-charge of Environmental Engineering Laboratory and Surveying Field work and many

- **August, 1982 - November, 1982:**

Designation: Lecturer (Civil Engineering).

Organization: Board of Technical Education, Govt. of Rajasthan, Jodhpur-342001, Rajasthan (INDIA).

Job Details in Brief: This job involved teaching to Civil Engineering Diploma students including theory and practical of civil engineering laboratory and surveying field work.

- **April, 1982 - August, 1982:**

Designation: Junior Civil Engineer.

Organization: Irrigation Department, Govt. of Rajasthan, Pali, Rajasthan (INDIA).

Job Details in Brief: The assignment involved supervision and execution of construction works for small earthen dams (Anicuts). Managed work on six dam sites and handled thousands of skilled and un-skilled workers and sub-ordinate officers during extensive field job, which often required extensive travel in remote and tribal areas.

ADMINISTRATIVE EXPERIENCE: (Over 30 years)

Since 1982, involved in various positions related to administrative work / responsibility on academic and related matters. Some of these positions / activities are arranged chronologically as follows.

MAJOR ADMINISTRATIVE POSTS & RESPONSIBILITIES HELD:

Sr. No.	Post	Organization/University	Duration		Experience (in Yrs & Months)
			From	To	
1	Dean of Faculties	IGIDR, Mumbai-65.	Nov. 08 2023	June 30, 2025	1 Yr 8 Months
2	Member, Board of Management	IGIDR, Mumbai-65.	Nov. 08 2023	June 30, 2025	1 Yrs 8 Months
3	Member, Planning and Monitoring Board	IGIDR, Mumbai-65.	2020	2023	3 Yrs 5 Months
4	Member, Board of Management	IGIDR, Mumbai-65.	2011	2013	2 Yrs
5	Dean of the Institute	IGIDR, Mumbai-65.	2003	2005	2 Yrs 2 Months
6	Dean of Students' Affairs	IGIDR, Mumbai-65.	2001	2003	2 Yrs
7	Member of Academic Council	IGIDR, Mumbai-65.	1992	Till date	32 Yrs
8	Member of Executive Council	IGIDR, Mumbai-65.	2003 2006 2022	2005 2010 Till date	10 Yrs
9	Head of Department	SNDT Women's University Mumbai- 400049	1998	1999	1 Yr.
10	Member, Board of Studies	SNDT Women's University Mumbai-400049	1998	1999	1 Yr.
11	Hostel Warden	University of Jodhpur, Rajasthan	1985	1988	3 Yrs.
12	NCC Officer	University of Jodhpur, Rajasthan	1987	1988	1 Yr.
13	NSS Officer	University of Jodhpur, Rajasthan	1987	1988	1 Yr.
14	Member, Board of Studies	Business Economics, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat	2011	2013	2 yrs.
15	Member of Several Administrative Committees	IGIDR, Mumbai-400065	1992	Till date	May be accounted for many years

DETAILS OF ADMINISTRATIVE POSTS & RESPONSIBILITIES:

- **DEAN of Faculties (DoF) and Member of Board of Management, IGIDR (Nov.08, 2023 - June 30, 2025):** The Dean of Faculties is the Senior-most Professor who is also an ex-officio Member of the Board of Management of IGIDR. The DoF is responsible for the conduct and maintenance of the standards of teaching and research; Chairman of the Board of Studies and has the right to present and speak at any meeting of the Board of Studies or Committees of the school or faculty or centre, as the case may be.
- **Member of Planning and Monitoring Board of IGIDR (February, 2020 – 2023)-** IGIDR is a premier Institute of the RBI, a Deemed University, a Registered Trust and a Registered Society. As per UGC, the Planning & Monitoring Board is the principal Planning Body of the institution Deemed to be University and shall be responsible for the monitoring of the development programmes of the Institution and have the right to advise the Board of Management and the Academic Council on any matter which it considers necessary for the fulfillment of the objectives of the Institution Deemed to be University.
- **Member of Board of Management of IGIDR (May, 2011-May 2013)-** The Board of Management of IGIDR is its highest governing body and is responsible to regulate the overall governance of IGIDR as per norms of various regulatory authorities.
- **Member of IGIDR Committees (2010-Till date):** Member of Faculty Recruitment Screening Committee, Member of Infrastructure Committee, Member of Staff Welfare Committee; Trustee of Employees' Provident Fund; Member of Ph.D. Interview and Selection Committees; Academic Affairs Committee, Promotion Guidelines' Review Committee.
- **Member of IGIDR Academic Council (1992- Till date):** This is an academic body of the Institute governing all of its academic programs and related issues.
- **Member, Executive Committee of IGIDR, (2006-2010; 2003-2005 and 1997-99):** One of the longest serving members of Executive Committee of IGIDR, which is the decision-making body at the Institute level contributing to its overall governance and policy-making.
- **Member of IGIDR Committees (2006-2010):** Member of Faculty Recruitment Screening Committee, Member of Computer Committee, Member of RA Allotment Committee, Member of Infrastructure Committee, Member of Ph.D. Students Screening Committee, Member of Ph.D. Interview and Selection Committees.
- **DEAN (Academic Programs) of IGIDR (2003-05) –** Worked for more than two years (about 26 months) as DEAN (Academic Programs) and was responsible for looking after all academic matters of the Institute including academic administration such as convening the executive committee meetings, faculty meetings, academic council meetings and coordinating their task; supervising and conducting admission process to M.Sc., M.Phil. and Ph.D. Programmes; supervising and conducting examinations; dealing with relevant organizations within India and abroad for information on academic matters, student placement, etc. I was the first Dean to formulate the formal rules and regulations for IGIDR's academic programs.
- **DEAN (Student Affairs) of IGIDR (2001-2003) –** I headed Students' Welfare and Grievances Redressal Cell- This assignment was for two years (24 months), with the responsibility of students' general matters on "welfare and grievances" such as placement, internship, hostel facilities and allotment, assistance in admission process, allocation of TAs / RAs, etc. I was the first faculty member to head this committee, established at IGIDR during this period.
- **Head of Department at Professor's Rank (1998-99) –** During this assignment, I was responsible for overall performance of a Department of Post-graduate Studies and Research at SNDT Women University, Mumbai. I also developed an inter-disciplinary Postgraduate Program (consisting of six

subjects, a dissertation and internship with companies) and Ph.D. Programme on “Environment and Development.”

- **Member, Students’ Welfare and Grievances Redressal Cell (2003-05), IGIDR** -This assignment was for 26 months, as an additional charge during Dean (Academic Programs), with the responsibility of students’ general matters on “welfare and problems” at the Institute.
- Member, Examination Committee, M.Sc. and Ph.D. student admission, at IGIDR, 2020.
- Member, Admission Committee, Ph.D. at IGIDR and M.Phil. Programmes since 2001 till 2017.
- Member, Vision Committee for IGIDR, 2007.
- Member, Committee to Assist Review Committee of IGIDR, 2007.
- Member, AC-Sub Committee, for Incentives to Faculty/ Students at IGIDR, 2007.
- Member, Advisory Committee of IGIDR, 2003 and 2004.
- Member, Computer Committee of IGIDR, 2004-2006.
- Member, M.Sc. Thesis Committee at IGIDR, 2004-05.
- Member, M. Phil. Committee of IGIDR, 1997-98.
- Member, Teaching / Research Assistant Allocation Committee, IGIDR, 1994-95 and 2002-03.
- Member, Board of Studies, S.N.D.T. University, Mumbai, 1998-99.
- Member, Faculty Member Selection Committee of IGIDR, 1992-98.
- Member, Foreign Travel Grants Committee of IGIDR, 1997-98.
- Member, Screening Committee for the selection of Ph.D. and M. Phil students at IGIDR, 1992-
- Took Initiatives for getting Deemed University Status for IGIDR in 1994-95. Subsequently, the Institute got deemed University status in 1995 with the highest level (A++) accreditation by the NAAC.
- Officer-in-charge of Environmental Engineering Laboratory at Graduate/Post Graduate Level, 1986-1988.
- Program Officer of National Service Scheme (NSS) at University level, 1987-88.
- Program Officer of National Cadet Corps Officer (NCC), First Raj. Engg. Regt., at University level, 1987-88.
- Warden of a Hostel at University level, 1985-88.
- Administrative duties to handle several sub-ordinate officer and thousands of skilled and unskilled workers during the supervision and execution of Earthen Dams (Anicuts), Govt. of Rajasthan, 1982.

INTERNATIONAL EXPERIENCE:

Since 1991, several international collaborations, with individuals and organizations, covering several countries, across six continents, have been established, as listed below.

NORTH-AMERICA:

➤ USA :

- Invited to participate in the “MYGBC,” – A flagship event of the US Green Building Council (USGBC), South LA, Los Angeles, USA, May 17-18, 2023.
- Invited for a meeting for collaborations with the Centre of Occupational and Environmental Health (COEH), School of Public Health, University of Berkley, San Francisco, USA, May 16-17, 2023.
- Invited as a Keynote Speaker in the Plenary on "Future of Cities," at Sustainatopia-2015, held in Los Angeles, USA, May 26-30, 2015.
- Invited as a Keynote Speaker in the Plenary on "Future of Cities," at Sustainatopia-2015, held in Los Angeles, USA, May 26-30, 2015.
- Participated in the United Nations Conference on “Sustainable Energy for All (SE4ALL)” organized at UN Head Quarter, New York, USA, May 18-22, 2015.
- Invited to participate in the UNEP’s International Life Cycle Panel (ILCP) meeting and present a paper in SETAC’s 4th World Congress, November 14-19, Portland, USA, 2004.
- Invited to present a paper at the 5th International Conference on ECOMATERIALS sponsored by Ministry for Education, Culture, Sports, Science and Technology, Japan and organized by Society of Non-Traditional Technology Japan, Hawaii, USA, Oct., 2001.
- Invited to work as Environmental Fellow under the auspices of the United States-Asia Environmental Partnership (US-AEP) and The Asia Foundation (TAF) at the WORLD BANK, Washington DC, from Oct., 1994 to Jan., 1995.

➤ CANADA:

- Invited speaker at the International Symposium on Environment and Hazardous Wastes, organized by Alena Chemicals Canada, Toronto, June 05-30, 1991.

SOUTH-AMERICA:

➤ BRAZIL:

- Invited by the UN Commission on Sustainable Development and United Nations Environment Program to participate at various events of Rio+20 Earth Summit, the UN conference on environment and development issues, Rio de Janeiro, Brazil, June 17-25, 2012.

➤ CHILE:

- Invited to Chair a session and as a key note speaker and present two papers in an International Conference in Chile, co-organized by the Chilean Research Center of Mining and Metallurgy (CIMM) in collaboration with the UNEP, France, to be held at City of Pucon, during April 27-29, 2009.

AUSTRALIA:

- Invited to Chair a Session in the Third Australian Conference on Life Cycle Assessment held in Gold Coast, sponsored by Australian Greenhouse Office, Queensland Government Environment Protection Agency, and ALCOA, organized by Australian Life Cycle Assessment Society, RMIT, University of QLD, University of NSW and Victoria University, July 17-19, 2002.

EUROPE:

➤ The United Kingdom (UK):

- Invited as Visiting Research Fellow to work with the Faculty Members and Ph.D. Scholars and deliver a Seminar, Department of Accounting, Finance, Logistics and Economics, School of Business and Law, the University of Huddersfield, The United Kingdom (UK), June 01-08, 2024.

➤ FRANCE:

- Invited to participate in the training workshop of regional representatives of International Life Cycle Panel (ILCP) of UNEP's Life Cycle Initiative, organized by the UNEP, Paris, May 27-30, 2005.

➤ CZECH REPUBLIC:

- Invited Member in the International Life Cycle Panel (ILCP) meeting organized by the UNEP under UNEP/ SETAC Life Cycle Initiative Programme and SETAC EUROPE 14th Meeting, also visited Czech Environmental Institute, Prague, April 21-26, 2004.

➤ SWEDEN:

- Invited to participate in a workshop on 'Governance and management of low-carbon economies to promote sustainable economic welfare in megacities,' organized by the International Institute for Industrial Environmental Economics at Lund University, Lund, SWEDEN, May 5-7, 2015.
- Invited speaker to present a paper in the International Conference on Environmental Products Declarations (EPDs) by Swedish Industry Association and to Visit Beijer Institute of Royal Swedish Academy of Sciences, Sept 28-Oct 03, 2003.

➤ THE NETHERLANDS:

- Visiting Scientist at the Institute for Environmental Studies, Amsterdam, under a CREED and IIED, U.K. program on Substances Flow Information System, April 01-30, 1995.

➤ GERMANY:

- Visited for a week with an interest to know the Environmental Awareness and Concerns of the Country, sponsored by the USAEP and TAF, Frankfurt, January, 1995.

AFRICA:

➤ KENYA:

- Invited speaker to present a paper at an international conference on "Sustainable Development of Head-Water Resources" at USIU, sponsored by the UNEP, UNESCO, UNU and UN-HABITAT, Nairobi, September, 04-08, 2002.

➤ SOUTH AFRICA:

- Invited to Chair a Session of Civil Society Forum at "WSSD-Johannesburg, the UN conference on environment and development issues, August 30- Sept. 02, 2002.

ASIA:

➤ JAPAN:

- Invited as speaker at the Experts' Working Group Meeting of the ERIA, organized by National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Dec 7-8, 2014.
- Invited as speaker at i) Ninth Biomass Asia Workshop, Tokyo, Dec. 1-4, 2012 and ii) ERIA WG meeting Tsukuba, Dec.5-6, 2012, organized by the National Institute of Advanced Industrial Science and Technology (AIST), METI, JST and NEF, Tokyo, Japan, Dec. 2012.
- Invited as speaker at the working group meeting of experts of ERIA, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, April 12-16, 2012.
- Invited as speaker at the working group meeting of experts of ERIA, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, February 10-14, 2011.
- Invited to participate as an expert in the third meeting of work group of Economic Research Institute for ASEAN and East Asia (ERIA) and National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, June 02-07, 2009.
- Invited to participate in the International Life Cycle Panel (ILCP) meeting of UNEP and International Conference "EcoBalance" of AIST Tokyo, Japan, December 06-14, 2008.
- Invited to present a paper in the APEC-AIST-UNEP Workshop on LCA for Asia-Pacific Region, Tokyo, Japan, March 7-8, 2008.
- Invited to Chair a Session in the 5th AIST Workshop on LCA for Asia-Pacific Region, Tsukuba, Japan, Nov.14-16, 2006.
- Invited to present two papers in the 4th AIST Workshops and 6^h International Conference EcoBalance and International Symposium on LCA, sponsored by AIST, APEC, UNEP/SETAC, Research Center for LCA, AIST, Tsukuba, Oct..25-28, 2004.
- Invited to present two papers in the 3rd, AIST Workshops and 5th International Conference EcoBalance and International Symposium on LCA, sponsored by AIST, APEC, UNEP/SETAC, Research Center for LCA, AIST, Tsukuba, Nov.5-8, 2002
- Invited to Chair two sessions and present two papers in the 4th International Conference EcoBalance and International Symposium on LCA, sponsored by UNEP, NEDO, AIST and MITI, organized by National Institute for Resources and Environment, Tsukuba, Oct. 29-Nov. 3rd, 2000.
- Invited to Participate in the 4th International Workshop on Asian-Pacific Integrated Model, Tsukuba, March 16-22, 1999.
- Invited to Participate in the 3rd International Workshop on Asian-Pacific Integrated Model, Tsukuba, March 25-31, 1998.

- Invited to participate in the International Symposium on LCA in the Asia-Pacific region, sponsored by UNEP, NEDO and MITI, organized by Nat. Inst. for Resources and Environment, Tsukuba, Nov. 24-27, 1998.
- Invited to work as Environmental Fellow under the Science and Technology Fellowship awarded by the Research Development Corporation of Japan, at the National Institute for Environmental Studies, Tsukuba, Ibaraki, Jul. 01, 1995-Jan 03, 1997.
- Invited to Participate in the IPCC, EMF and 2nd AIM conferences, Tokyo and Tsuchira, March 09-18, 1997.
- Invited to Participate in about a month long Training Course on "Resource Conservation and Environmental Protection" sponsored by the Asian Productivity Organization and Japan Productivity Centre, at Tokyo, Kyoto, Nagoya, Osaka, Oct.-Nov. 1993.

➤ **SINGAPORE:**

- Invited Speaker at the Network in "Education for Sustainability Asia Conference 2017," organized by the National Institute of Education, Nanyang Technological University (NTU), May 01-02, 2017, Singapore.
- Invited Speaker at the International Workshop on "Practice for More Effective Implementation of Higher Education for Sustainability in Asia," organized by Nanyang Technological University (NTU), April 21-22, 2016, Singapore.
- Invited to participate as an expert in the second meeting of work group of the National Institute of Advanced Industrial Science and Technology (AIST), and the Economic Research Institute for ASEAN and East Asia (ERIA), Singapore, April-17-20, 2015.
- Invited to participate as a panelist/speaker in Post-Secondary Education for Sustainability in Asia: Curricula, Case Studies and Community-Building organized by Nanyang Technological University, Singapore, January 31-February 02, 2015.
- Invited to participate as an expert in the fourth meeting of work group of Economic Research Institute for ASEAN and East Asia (ERIA), The Japan External Trade Organization (JETRO) and Institute of Developing Economies (IDE), Biopolis, Singapore, February 01-02, 2008.

➤ **THAILAND:**

- Invited to be a Plenary Session Speaker at the Inaugural UNESCAP-ISETS International Conference, Bangkok, October 15-19, 2023.
- Invited Member in the Expert Group Meeting on Renewable Energy in East Asian countries, organized by AIST and ERIA, Bangkok, May 25-26, 2014
- Invited Session Chair and Speaker at an international Joint Seminar of the NRCT-ICSSR on Sustainable Development Issues, Bangkok, Thailand, August 23-28, 2013.
- Invited to Present a Country Report and participate in the Tenth Asia Biomass Workshop, organized by TISTR, Thailand, AIST and New Energy Foundation, Japan, Bangkok, August 03-07, 2013
- Invited to participate as an expert in the International Conference on "Energy Saving and Biofuel Utilization," organized by PSU (Prince Songkula University), ERIA and IMT_GT (Indonesia-Malaysia-Thailand Growth Triangle), Hat Yai, Thailand, Sept, 2010.
- Invited to participate as an expert in the second meeting of work group of Economic Research Institute for ASEAN and East Asia (ERIA), National Institute of Advanced Industrial Science and Technology (AIST), Bangkok, March 08-11, 2009.

- Invited Session Chair and Speaker at a Joint Seminar of The NRCT-ICSSR on Sustainable Development, Bangkok, Thailand, 21-25 May, 2008.
- Invited to participate as an expert in the third meeting of work group of Economic Research Institute for ASEAN and East Asia (ERIA), The Japan External Trade Organization (JETRO) and Institute of Developing Economies (IDE), Chiang Mai University, Bangkok, November 12-14, 2007.
- Invited to participate as an expert in the second meeting of work group of Economic Research Institute for ASEAN and East Asia (ERIA), The Japan External Trade Organization (JETRO) and Institute of Developing Economies (IDE), Chiang Mai University, Chiang Mai, September 05-08, 2007.
- To participate as an expert in the first meeting of work group of Economic Research Institute for ASEAN and East Asia (ERIA), The Japan External Trade Organization (JETRO) and Institute of Developing Economies (IDE), Chiang Mai University, Bangkok, July 16-20, 2007.
- Invited to participate and present a research project proposal in the Consultative Meeting on Environmental Resource Accounting projects at the UN-ESCAP, Statistical Division, Bangkok, May 1994.

➤ **MALAYSIA:**

- Invited as an expert the fifth meeting of work group of Economic Research Institute for ASEAN and East Asia (ERIA) and National Institute of Advanced Industrial Science and Technology (AIST), Kuala Lumpur, July, 2010.
- Invited expert in the fourth meeting of work group of Economic Research Institute for ASEAN and East Asia (ERIA), The Japan External Trade Organization (JETRO) and Institute of Developing Economies (IDE), January 31, 2008.
- Invited Speaker for a Research Seminar jointly sponsored by the Royal Swedish Academy of Sciences and the Beijer Institute, Sweden, held at Kota Kinabalu, Malaysia, May 20-25, 1995.

➤ **INDONESIA:**

- Invited Member in the First Expert Group Meeting on Renewable Energy in EA countries, organized by AIST, at ERIA, Jakarta, March 22-23, 2014.
- Invited Member in the Final Expert Group Meeting on Biofuels / Bioenergy, organized by AIST and ERIA, Jakarta, March 26-29, 2013.
- Invited to participate in the Seventh Asia Biomass Workshop, organized by BPPT, Indonesia, AIST and New Energy Foundation, Japan, Jakarta, Nov. 27- Dec., 02, 2010.
- Invited to participate in the Second Expert Group Meeting on Biofuels / Bioenergy, organized by AIST and ERIA, Jakarta, Feb 26-March 04, 2010.
- Invited to participate in the First Expert Group Meeting on Biofuels / Bioenergy, organized by AIST and ERIA, Jakarta, November 26-29, 2008.

➤ **CHINA:**

- Invited Speaker at China Life Cycle Management International Conference, organized by the UNEP and Sichuan University, Chengdu, China, October 18-23, 2008.

➤ **VIETNAM:**

- Invited speaker at the Eighth Biomass-Asia Workshop and ERIA WG meeting, organized Vietnam Academy of Advance Science and Technology (VAST), AIST, Japan and New Energy Foundation, Japan, Hanoi, Vietnam, Nov. 29- Dec. 01, 2011.

➤ **NEPAL:**

- Invited Plenary Session Speaker on “Cross cutting issues, ” in an International Conference on Biodiversity, Climate Change Assessment and Impacts in Livelihood, Organized by University of Kathmandu and CUNY (USA), Kathmandu, Nepal, 10-12 January, 2017.

RESEARCH & CONSULTANCY PROJECTS: (Total -28; Research-16; Consultancy-12)

Several research and consultancy assignments have been completed / are on-going, sponsored by prestigious international and national organizations such as government, NGOs, corporate, public and private sectors. In most of the projects, I have been the project leader as follows.

1. Expert Community Member for the Research on “Education for Sustainability in Asia” – a multi-country joint project of NTU, Singapore, February 2014-2020.
2. Expert Work-Group Member for the Research on “Investigation for “Renewable energy policy / status and renewable energy initiatives in Asia” – a multi-country joint project of AIST, Japan and ERIA, Indonesia, January 2014-2020.
3. Expert Policy Evaluator, in the Evaluation Team of IPE Global for DFID Funded TERI Programme for Clean Energy Access and Improved Policies for Sustainable Development, March 2015-Feb 2016.
4. Indian Team Leader and Expert Work-Group Member for the Research on “Investigation of pilot study results in India using ERIA’s Sustainability Assessment Method of biomass utilization and upgrading the assessment method in Social Aspect.” – a multi-country joint project of AIST, Japan and ERIA, Indonesia, Aug.2010-2013.
5. ERIA Expert Work-Group Member of the project team on “Pilot Studies in East Asian Countries for Assessment of Sustainability of Biofuels” the Economic Research Institute for ASEAN and East Asia (ERIA), July, 2009- March, 2010.
6. Member, Research Advisory Committee, UNEP Corporate Water Accounting Project/ CEO Water Mandate, Oct., 2009.
7. AIST / ERIA Expert Work-Group Member of the project team on “Guidelines for Sustainable Biomass Utilization Vision for East Asia” formed by the National Institute of Advanced Industrial Science and Technology (AIST) and the Economic Research Institute for ASEAN and East Asia (ERIA), July, 2008- March, 2009.
8. Expert Work-Group Member of the project team on “Biomass Utilization Vision for East Asia” formed by the Economic Research Institute for ASEAN and East Asia (ERIA), Institute of Developing Economies (IDE) and The Japan External Trade Organization (JETRO), June, 2007-March, 2008.
9. Team Leader of “Integrated Assessment of Air Quality in Delhi” Sponsored by Tata Motors Limited, A Leading Company from the House of Tatas, India, Sept., 2005 – March, 2007.
10. Team Leader of “Maharashtra State Development Report” for the Planning Commission, Government of India, prepared by four premier institutions namely, IGIDR, GIPE, TISS and JBIMS, 2002-05.
11. Team Leader of “State of Environment Report- Maharashtra, in collaboration with IITs, NEERI, Universities and MCs, for the MoEF, Govt. of India, MPCB and GoM, 2004-07.
12. International Environment Expert for Japan Bank for International Cooperation (JBIC) on “Review of EIA and Recommendations” for an efficient management of a mega project on “Swan River Flood Management and Integrated Land Development Project in Himachal Pradesh (H.P.) India.” April-May, 2005.
13. Team Leader & Consultant for India Canada Environment Facility (ICEF) for Mid-term Evaluation of ICEF-WBPCB project on “Pollution Prevention and Waste Minimization of Small Scale Industries in Kolkata Metropolis Area”, Jan-Feb, 2005.
14. Programme Director of Training Programme on “Economic Evaluation of Environmental Impacts” for the Senior Officers of Central and State Control Boards in India, under the World Bank assisted EMCBTA project, through CPCB and MOEF organized at IGIDR, Bombay, September 16-20, 2002.

15. Programme Director of Training Programme on "Economic Evaluation of Environmental Impacts" for the Senior Officers of Central and State Control Boards in India, under the World Bank assisted EMCBTA project, through CPCB and MOEF organized at IGIDR, Bombay, September 23-27, 2002.
16. Team Leader and Consultant of India Canada Environment Facility (ICEF) and World Wide Fund for Nature (WWF), India project on "Environment Education and Capacity Building for Promoting Nature Conservation and Environmental Protection", May-July, 2002.
17. Team Leader of Consultancy Project on "Environmental Economics – Forest Valuation Project of Himachal Pradesh" for State Council for Science, Technology and Environment, Kasumpti, Shimla – 9 (Himachal Pradesh), 1997-98.
18. Team Leader of Development of Climate Change Impact Model for India (Agriculture Sector), Joint project of NIES, Japan Environment Agency, Japan and IGIDR, Bombay, 1996-97.
19. Team Leader of Development of Climate Change Impact Model for India (Water Resources Sector), Joint project of NIES, Japan Environment Agency, Japan and IGIDR, Bombay, 1997-98.
20. Environmental Economics and Sustainable Development, India's Capacity-21 project, Sponsored by the United Nations Development Program, through Ministry of Environment and Forests, Govt. of India, 1996-98.
21. Team Leader of project on International Trade and Recycling in Developing Countries: Case of Wastepaper Trade in India, Joint Project of IGIDR, Bombay and IES, The Netherlands, sponsored by the CREED and IIED (U.K.), 1995-97.
22. Team Leader of Consultancy project on "Indian Perspectives on Trade and Recycling of Wastepaper", The World Bank, Washington D.C., May-October, 1996.
23. Programme Director of the Training Programme for the Senior Officials (including senior officers such as the Chairmen, Member Secretaries and Chief Engineers) of the Pollution Control Boards in India, under Institutional Development Components project of the World Bank, held at IGIDR, Bombay, Jan. 15-19, 1996.
24. Team Member in "Environmental Resource Accounting for India: Some Case Studies", sponsored by the United Nations Economic and Social Commission for the Asia-Pacific (UN ESCAP), Bangkok, Thailand, 1994-96.
25. Team Member in "Trade and Environment Linkages: A Case Study of India," sponsored by the UNCTAD, Geneva, 1993-95.
26. Team Member in "Economic Valuation of Air Pollution" in Bombay under Inter-Country (involving six countries in the Asian region) under URBAIR/MEIP project sponsored by the World Bank/ UNDP, 1992-94.
27. Team Member in "Natural Resource Accounting: A Framework for India," sponsored by the UNDP through Ministry of Environment & Forests, Govt. of India, 1991-93.
28. Team Member in "Size Distribution of Atmospheric Aerosols for Rashtriya Chemicals & Fertilizers", Bombay, Sept., 1990.

ORGANISATION OF ACADEMIC EVENTS: (Total 38: International- 20; National-18)

Organized several academic events such as training programs, conferences, seminars, workshops, etc., some of which are listed as follows.

1. Organized a Seminar on *“University ambidexterity: assessing the nature of interdependence between knowledge exchange and knowledge creation in UK universities”* by Dr. Andrew Johnston, Professor of Innovation and Entrepreneurship and Deputy Director of Graduate Education, HBS, University of Huddersfield (the U.K), delivered at IGIDR, September 30, 2024.
2. Organizing Committee Member, Conversations on Research (CoRe), IGIDR Ph.D. Colloquium, IGIDR, Mumbai, October 31 – November 03, 2023.
3. Organizing Committee Member, Conversations on Research (CoRe), IGIDR Ph.D. Colloquium, IGIDR, Mumbai, November 1-4, 2022.
4. Organized World Environment Day, Online Conference on “Soul to Soil,” June 05, 2021.
5. Organized, Professor R.S. Patil Memorial Webinar, Mumbai, January 15th, 2021.
6. Organizing Committee Member, Conversations on Research (CoRe), IGIDR Ph.D. Colloquium, IGIDR, Mumbai, November 7-10, 2017.
7. Organizing Committee Member, Conversations on Research (CoRe), IGIDR Ph.D. Colloquium, IGIDR, Mumbai, November 8-11, 2016.
8. Organized ISSF-2016 (International Symposium for a Sustainable Future), a regular event on energy, environment and sustainable development issues, IGIDR, Mumbai, February 05-07, 2016.
9. Organized ISSF-2013 (International Symposium for a Sustainable Future), a regular event on energy, environment and sustainable development issues, IGIDR, Mumbai, October 16-18, 2013.
10. Organized India Thailand Meeting (ITM-2013) for discussion on future collaboration between two countries through IGIDR, CSIR organizations and other organization in India and TISTR, Ministry of Science and Technology, Thailand, October 19, 2013.
11. Organized ISSF-2012 (International Symposium for a Sustainable Future), a regular event on energy, environment and sustainable development issues, IGIDR, Mumbai, January 19-21, 2012.
12. Organized IGIDR-UNEP Meeting on “Promotion of Activities on LCA and Sustainability Assessment in India and South Asia,” IGIDR, November 25, 2011.
13. Organizing Committee Member of “Biofuels for Sustainability and Rural Livelihoods and Energy Security,” organized by the Biodiesel Association of India, New Delhi, Nov. 19, 2010.
14. Organized ERIA Experts’ Work Group Meeting on Sustainability of Bioenergy, sponsored by ERIA, Jakarta and AIST, Japan, at Hyderabad, India, May 21-27, 2010.
15. Organized ISSF-2010 (International Symposium for a Sustainable Future), a regular event on energy, environment and sustainable development issues, supported by the UNEP, France, IGES, Japan, CSH, India and PE International, Germany, IGIDR, Mumbai, January 11-13, 2010.
16. Organized Two Free LCA Training Programs in collaboration with IFU, Germany, PE International, Germany, and Pre, the Netherlands, IGIDR, Mumbai, January 13-14, 2010.
17. Organized a Seminar on Feasibility, Viability and Technicalities of Nuclear Power Programs in India, through NPCIL, Mumbai faculty at IGIDR, November 25, 2009.
18. Coordinator, IGIDR and Centre de Sciences Humaines (CSH) collaboration on various Socio-Economic and Environmental Issues, July, 2008-2012.
19. Organized INDO-RUSSIAN Joint Seminar on “Institutional Reforms and Development Units in Transitional Economy” in collaboration with Russian Academy of Sciences, ICSSR under Indo-

- Russian Joint Commission for Cooperation in Social Sciences, IGIDR, Mumbai, February 12 & 13, 2007.
20. Organized Workshop on "State of Environment Report - Maharashtra for Ministry of Environment and Forests, Maharashtra Pollution Control Board and Govt. of Maharashtra, IGIDR, January 31, 2006.
 21. Organized Workshop on "State of Environment Report – Maharashtra , for Ministry of Environment and Forests, Maharashtra Pollution Control Board and Govt. of Maharashtra, IGIDR, September 09, 2004.
 22. Organized Workshop on "Maharashtra State Development Report" for the Planning Commission, Government of India, IGIDR, Mumbai, February 12-13, 2004.
 23. Co-organized Symposium on Energy, Environment and Sustainable Development, (was inaugurated by the President of India), IGIDR, Mumbai, July 5-7, 2003.
 24. Organized Workshop on "Maharashtra State Development Report" for the Planning Commission, Government of India, IGIDR, March, 2003.
 25. Organized Training Programme on "Economic Evaluation of Environmental Impacts" for the Senior the State Pollution Control Boards in India, under the World Bank assisted EMCBTA project, through CPCB and MOEF organized at IGIDR, Mumbai, September 23-27, 2002.
 26. Organized Training Programme on "Economic Evaluation of Environmental Impacts" for the Senior Officers of the State Pollution Control Boards in India, under the World Bank assisted EMCBTA project, through CPCB and MOEF organized at IGIDR, Mumbai, September 16-20, 2002.
 27. Organized International Conference on "EcoBalance and LCA in India" sponsored by MOEF (India), AIST (Japan), APO (Japan) and IDBI (India) at IGIDR, Mumbai, Feb, 13-15, 2002.
 28. Organized Training Programme on "Life Cycle Assessment (LCA)," sponsored by World's top three LCA Modelers (SimaPro by Pre, the Netherlands, UMBERTO by Ifu, Germany and Gabi by PSA, USA), at IGIDR, Mumbai, Feb, 13-15, 2002.
 29. Organized One Day Seminar under Indo-British Science Festival, 2002 in collaboration with British Council Mumbai, at IGIDR, Mumbai, Jan, 08, 2002.
 30. Organized Three Week's Refresher Course on Topics of Environment, Ergonomics, Consumer Services and Computer Aided Design, for University Teachers from all over India, sponsored by the University Grants Commission, SNDT Women's University , December 1-24, 1998.
 31. Organized Workshop on "Integrated Solid Waste Management", sponsored by the International Development Research Centre, Canada, SNDT Women's University, August 7-8, 1998.
 32. Organized Workshop on "Environmental Database of Indian Economy", sponsored by the UNDP's Capacity 21 Project, Ministry of Environment and Forest, India and The Indian Econometric Society, Mumbai, October 15-16, 1997.
 33. Organized IDRC/IFIAS Seminar on "Coastal Cities of India: Responding to Environmental and Socio-economic issues of Concern," sponsored by the International Federation of Institutes for Advanced Study and International Development Research Centre, Canada, organized at IGIDR, Mumbai, Jul 16, 1997.
 34. Organized Training Programme on "Environmentally Sustainable Development for Asia-Pacific Region", sponsored by the United Nations University, Tokyo and UNDP's Capacity 21 Project at IGIDR, Mumbai, April 7-18, 1997.
 35. Organized International Seminar on "Trade and Recycling of Secondary Materials, joint seminar of CREED-IES-IGIDR, sponsored by CREED, U.K, New Delhi, Jan 17th, 1997.

36. Organized Training Workshop on Environmental Economics for the Senior Officers of Central and State Pollution Control Boards of India, sponsored by the World Bank, UNDP and Capacity 21 Projects, Mumbai, Jan. 15-19, 1996.
37. Organized International Workshop on "International Trade and Recycling of Waste Paper," A joint workshop of IES-IGIDR-INTERVENTION sponsored by CREED U.K., Mumbai, February, 1995.
38. Co-organized Seminar on "Global Environment Facility (GEF)", joint seminar of the Bombay Natural History Society and IGIDR, Mumbai, Feb. 11, 1993.

PARTICIPATION IN ACADEMIC EVENTS: (Total -83; International-45; National-38)

1. Participated in the Third Biennial Conference on Development (Theme: Energy, Environment and Climate Change), organized by IGIDR in collaboration with the NITI Aayog, India and University of California and Berkley, December 16-19, 2024.
2. Participated in the Foundation Day Lecture of the Institute by Shri Suman Bery on "Financing a big Investment Push : What should be the Research Agenda?," IGIDR, December 03, 2024.
3. Participated in the roundtable on "Just Energy Transition in Maharashtra to Support Green Growth and Green Jobs", organized by iFORESTS Delhi and Ministry of Environment, Govt. of Maharashtra, Mumbai, February 02, 2024.
4. Participated in Webinar on "Food System Innovations: An Exploration of Algae and Fungi as Alternatives for Changes in GHG Emissions," Organized by IGIDR, Feb 5, 2024.
5. Participated in Council Meeting of International Society for Energy Transition Studies, Australia (online), January 30, 2024.
6. Participated in an International Conference on "Economic Growth and Environmental Sustainability," organized by Ch. Charan Singh University Meerut, November 29-30, 2023.
7. Participated in the 5th International Conference on Sustainability Education (ICSE), Organized by Mobius Foundation, New Delhi, September, 19-20, 2023.
8. Participated as a Special Invitee in G20- 4th Global partnership for financial inclusion meeting, Mumbai, September 14-16, 2023.
9. Participated in a Brainstorming Session on developing a "Long Term Transformational Vision for Rural India" in Amrit Kal and making rural India an engine of growth by 2047, Organized by MoRD, New Delhi, September 04, 2023.
10. Participated in G20- Seminar on the Global Economy: Challenges, Opportunities and the Way Forward (Hosted by the Department of Economic Affairs, Government of India and the Reserve Bank of India), Mumbai, 11th August 2023.
11. Participated in "GDP Data Users Conference", organized by the National Accounts Division (NAD) of MoSPI and IGIDR, Mumbai, July 07, 2023.
12. Participated in the "MYGBC," – A flagship event of the US Green Building Council (USGBC), South LA, Los Angeles, USA, May 17-18, 2023.
13. Participated for a meeting for collaborations with the Centre of Occupational and Environmental Health. Participated in International Conference "G20 SUMMIT ON ENVIRONMENT SUSTAINABILITY AND BIOENZYME" organized by University of Mumbai, Mumbai, 21st April, 2023.
14. Participated virtually in the Seminar "*Managing Climate Change: A Strategy for India*," Organised by CSEP, India Habitat Centre, Lodhi Road, New Delhi, 23 January, 2023.
15. Participated in Council Meeting of International Society for Energy Transition Studies, Australia (online), January 13, 2023.
16. Participated in online meeting to Facilitate District Strategic Plan for Maharashtra State, July 03, 2023.
17. Participated in the virtual meeting "Forum for Life Cycle Networks and Communities", Organised by Swedish Life Cycle Center, November 29, 2022.
18. Participated in "Carbon Clean's COP27 Forum, UK - Accelerating the global deployment of CCUS, Livestream access," November 11, 2022,

19. Participated in Online Side Event under TF3 the T20: "Emerging Economies towards Net Zero Emission: Challenges and Opportunities on Technology Innovation and Financing," organized by ERIA, Indonesia, July 20, 2022.
20. Participated in the 21st Annual Conference of the Indian Association of Social Science Institutions (IASSI) in association with Indira Gandhi Institute of Development Research (IGIDR), held at IGIDR, June 13-15, 2022.
21. Participated in Seminar on "Understanding Investment, Trade, and Battery Waste Management Linkages for a Globally Competitive EV Manufacturing Sector", ICRIER and IISD, April 29, 2022
22. Participated in Webex webinar: Making CCS/CCUS Affordable: Enabling CCUS Deployment in G20 and Beyond, organized by ERIA, Indonesia, April 13, 2022.
23. Participated in the World Sustainable Development Summit -2022 (WSDS-2022) organized by The Energy and Resources Institute (TERI), New Delhi-110003, February 16-18, 2022.
24. Participated in World Environment Day Online Conference on "Soul to Soil," NEEF, India, June 05, 2021.
25. Participated in International Webinar on "Sustainable Energy, Environment and Development-2021 (SEED-2021)," organized by NEEF, India, January 16th-17, 2021.
26. Participated in Panel Discussion on "Agricultural Market Reforms: Problems and Prospects," online seminar organized by IEG, New Delhi, Sept.29, 2020.
27. Participated in Seminar "Managing plastic waste in India: An agenda for action," online seminar organized by CSE, New Delhi, September 24, 2020.
28. Participated in the World Sustainable Development Summit -2020 (WSDS-2020) organized by The Energy and Resources Institute (TERI), New Delhi-110003, January 29-31, 2020.
29. Participated in National Seminar on 'Integrating agricultural workers into Sustainable Development Goals' organized by Indian Institute of Public Administration, New Delhi-110002, March 14-15, 2019.
30. Participated in the International conference on "Ecology and Sustainable Development, in an International Conference on "Ganga to Volga: India's Connectivity with Inner Asia", organized by Centre for Inner Asian Studies School of International Studies, Jawaharlal Nehru University, New Delhi , 6-7 March 2019.
31. Participated in National Workshop on Sustainability of Indian Agriculture: Socio-Economic Perspectives; Organized by Indian Council of Agricultural Research (ICAR) and ICAR-NIAP, New Delhi, Nov.27, 2018.
32. Participated in National Workshop on Sustainability of Indian Agriculture: Biodiversity, Environmental and Climate Change Perspectives; Organized by Indian Council of Agricultural Research (ICAR) and ICAR-NIAP, New Delhi, Nov.26, 2018.
33. Participated in Release Function of Workshop on "India Development Report," Organized by IGIDR, New Delhi, Nov. 14, 2017.
34. Participated in India-Canada 23rd DST-CII Technology Summit, New Delhi, on 14-15, Nov 2017
35. Participated in Fourth Singapore Sustainability Symposium, Organized by NTU, Singapore, Grand Hyatt, Singapore, 3-5 May, 2017.
36. Participated in various Silver Jubilee Conferences and Seminars, organized by IGIDR, during November 2012-December 2013.
37. Participated on invitation in UN Conference on Environment and Development (UNCED), named as Rio+20 Earth Summit, Rio de Janeiro, Brazil, June 17-25, 2012.

38. Participated in Workshop on “India Development Report,” Organized by IGIDR, Mumbai, May, 3-4, 2012.
39. Participated by invitation in the “Indo-China Roundtable Discussion on Cementing the Bonds of Friendship for cleaner, greener, sustainable mutual development of Maharashtra and Guangdong”, organized by the Observer Research Foundation, Mumbai, June 03, 2011.
40. Participated by invitation as a discussant in ESRC-ICSSR Workshop on “Environmental Sustainability and Climate Change, Organized by London School of Economics and Institute of Economic Growth, New Delhi, November 17-18, 2008.
41. Participated by invitation in the meeting of the Programme Advisory Committee (PAC) of Shastri Applied Research Projects (SHARP), New Delhi, February 18-19, 2006.
42. Participated by invitation in the training workshop of regional representatives of International Life Cycle Panel (ILCP) of UNEP’s Life Cycle Initiative, organized by the UNEP, Paris, May 27-30, 2005.
43. Participated by invitation in the function organized by the Chief Minister’s office for the release of “Maharashtra State Development Report” by Shri M.S. Ahluwalia, Dy. Chairman, Planning Commission, Government of India, Mumbai, November 09, 2005.
44. Participated by invitation in the “International Teleconference of ILCP of UNEP at Baltimore, USA, November 17, 2005.
45. Participated by invitation in “Doordarshan’s live Telecast of Mahacharcha- A programme on ban on plastic bags” Doordarshan Kendra, Mumbai, Sept, 23, 2005.
46. Participated by invitation in a workshop on “Clean Development Mechanism: Opportunities for the Corporate Sector”, as a part of National Strategy Study for CDM implementation in India, organized by TERI, Mumbai, August 21, 2004.
47. Participated by invitation in “World Environment Day” organized by the Maharashtra Pollution Control Board (MPCB) and Indian Environment Association, Mumbai, June 5th, 2004.
48. Participated by invitation in the Seminar on “Environmental Solutions from the UK” organized by the British Council, Mumbai, February 3rd, 2004.
49. Participated by invitation in the Inception Workshop, organized by the Indo-Canadian Shastri Institute under Shastri Applied Research Projects on three thrust areas namely, Economic Reforms, Social and Health and Environmental Management, New Delhi, September 1-5, 2003.
50. Participated by invitation in Workshop on Sound Management of Persistent Organic Pollutants (POPs), Sponsored by Resources Future International, Canada, the World Bank and Confederation of Indian Industry, New Delhi, March 5-7, 2002.
51. Participated in a Workshop for organising Four Week Interdisciplinary Faculty Upgradation Program for the Environmental Scientist and Engineers in India, Institute for Economic Growth, New Delhi, March 4, 2002.
52. Participated by invitation in the International Workshop sponsored by UNESCO, International Hydrological Programme and Ministry of Environment and Forests, at School of Environmental Sciences, Jawaharlal Nehru University, JNU, Delhi, Nov.26-29, 2001.
53. Participated in First National Grassroots Technological Innovation and Traditional Knowledge Awards, Sponsored by Department of Science and Technology, Govt, of India, IARI, New Delhi, Nov.29-30, 2001.
54. Participated by invitation in the World Commission on Dams Meet, Organized by SNDT Women’s University, Mumbai, May 17, 2001.
55. Participated by invitation in Asian Development Bank’s Workshop on Environmental Policy, Organized by Tata Energy Research Institute, New Delhi, April 30, 2001.

56. Participated in Workshop on Climate Change and Health, Organized by National Physical Laboratory, August 03, New Delhi, 2000.
57. Participated by invitation in the Seminar on Information Technology, Organized by The British Council, India, Sponsored by Indo-British Partnership, Oberoi Towers, April 11, 2000, Mumbai.
58. Participated by invitation in Training Workshop on Integrated Assessment Models of Climate Change, organized by the Indian Institute of Management, Ahmedabad, March, 1998.
59. Participated in the Third International Conference on EcoBalance- Progress of LCA for a Sustainable Society, Organized by ECOMATERIALS Forum, The Life Cycle Assessment Society of Japan and JAPAN LCA Forum and Supported by STA, and Environment Agency, Ministry of Forestry and Fisheries and MITI of Japan, Nov. 25-27, 1998.
60. Participated in IPCC Asia-Pacific Workshop on Integrated Assessment Models, Organized by Intergovernmental Panel on Climate Change, Government of Japan and United Nations University at UNU, Tokyo, Japan March 10-12, 1997.
61. Participated in TOKYO MODELLING FORUM Workshop, organized by Energy Modelling Forum and Government of Japan at UNU, Tokyo, Japan March 13-14, 1997.
62. Participated in IIASA Days in Japan: Asia Towards the 21st Century, sponsored by NEDO, Global Environmental Forum, CRIEPI, MITI and Environment Agency, UNU, Tokyo, April 11-23, 1996.
63. Participated in The Fourth Japan-US Workshop on GLOBAL CHANGE: Land Use/Cover Change and Global Environmental Conservation, Tsukuba, Japan, Feb. 26-29, 1996.
64. Participated in UNU Conference on "The Sustainable Future of the Global Systems" organized by the UN University, Tokyo and the National Institute for Environmental Studies, Tsukuba at Tokyo, Oct. 16-18, 1995.
65. Participated in Seminar on "Economic Valuation of Air Pollution: Case Study of Taiwan". Resources for the Future, Washington D.C., (USA), December 21, 1994.
66. Participated in A&WMA and U.S.EPA Conference, "Computing in Environmental Management" speciality conference sponsored by the Air & Waste Management Association and the U.S. Environment Protection Agency, Raleigh, NC, Nov.30-Dec 2, 1994.
67. Participated in Second International Workshop URBAIR-Bombay, Organized by the UNDP, the WORLD BANK and MEIP Bombay, May 30-31, 1994.
68. Participated in 76th Platinum Jubilee Conference of Indian Economic Association, Organized by Dept. of Economics, University of Bombay and IGIDR, Bombay, Feb. 19-21, 1994.
69. Participated in Conference on "Aerosol Science and Technology" Organized by Indian Aerosol Science and Technology Association (IASTA), BARC, Bombay, January 10-12, 1994.
70. Participated in International Exhibition and Conference on "Industrial Pollution Monitoring, Control and Safety" ENVIROTECH'93, Sponsored by CHEMTECH Foundation, Federation of Indian Chambers of Commerce and Industry (FICCI) and UNDP, Bombay, Mar.31-Apr. 3, 1993.
71. Participated in Workshop on "Strategies for Environmental Improvement in BMR" organized by M/S Coopers and Lybrand(UK) and M/S AIC(India), Bombay, May 7-8, 1993.
72. Participated in about One month International Training Course on "Resource Conservation and Environmental Protection" sponsored by Asian Productivity Organization and Japan Productivity Centre, Tokyo, Japan, Oct.-Nov. 1993.
73. Participated in National Workshop on "Environment Action Programme-India" Organized by Ministry of Environment and Forests, Govt. of India sponsored by UNDP/WORLD BANK, New Delhi, Sept., 1993.

74. Participated in International Seminar on "Environment and Economic Development" Sponsored by Beijer Institute, IGIDR, SIDA and WIDER organized by IGIDR, Bombay, Nov. 1-6, 1992.
75. Participated in UNDP Symposium on "Economic Growth, Sustainable Human Development and Poverty Alleviation in India" Jan 3-6, 1992.
76. Participated in Seminar on "Characterization and Source Apportionment of Aerosols" organized by Indian Institute of Technology, Bombay, Sept. 1992.
77. Participated in Workshop on "Development and Environmental Sustainability" organized by IGIDR, Bombay, Nov. 11-13, 1991.
78. Participated in International Symposium on "Industrial and Hazardous Wastes" held at Indian Institute of Technology, Bombay, Jan. 1990.
79. Participated in Seminar on "Factor Analysis and its Application to Environmental Assessment", Organized by Environment Assessment Division, BARC, Sept, 1990.
80. Participated in International Workshop on "Environmental Science and Engineering Education" Organized by Indian Institute of Technology, Bombay, Jan. 1988.
81. Participated in one month Short term course on "Geosynthetics in Civil Engineering" sponsored by Indian Society of Technical Education, and organized by Indian Institute of Technology, Delhi, India, May, 1987.
82. Participated in one and a half month Field Training Work on "Construction of Runways and Taxiways" at Military Engineering Services, Jodhpur, Rajasthan, India, May-Jun, 1980.
83. Participated in one month Field Training work on "Building Construction" at the Public Works Department, Jodhpur, India, May, 1979.

ACADEMIC AND POLICY INVITATIONS: (Total-22; International-10;National-12)

Invited by National and International Organizations for various academic activities listed below:

1. Invited as Visiting Research Fellow in the Northern Productivity Hub, HBS, the University of Huddersfield, June 1-8, 2024.
2. Invited for the Experts' meeting of the 14th Finance Commission of the Govt. of India, with Economists/Economic Administrators and policy experts, held on 13th May, 2013 at TISS, Mumbai, India.
3. Invited to join Scientific Committee of the Second Indian Event on LCA and LCM (ILCM-2013) organized by the FICCI and UNEP, held in Bangalore, India, Sept, 2013.
4. Invited to deliver two lectures on "Sustainable Development: Issues and Challenges in India and "Population and Environment with Gender Concerns" for an international training program on "Demography, Gender & Reproductive Health" for the participants from Nordic Countries, IIPS, Mumbai, July, 2012.
5. Invited to deliver a Plenary Lecture on "Climate Change issues" in an international conference (TIMS-2012), organized by Institute of Allied Sciences & Computer Applications, ITM University, Sponsored by Ministries of Environment and Forests, Science and Technology, Earth Science, CSIR, ICMR, and MPCST, February 5-7, 2012, Gwalior-474001, INDIA.
6. Invited as eminent expert for delivering two sessions in an International Training Program on "Environment Audit," organized by ICISA (International Centre for Information Systems and Audit,- a Center of Excellence of CAG (Comptroller & Auditor General) of India, NOIDA, January 12, 2012, Uttar Pradesh, India.
7. Invited as expert on Environmental Technologies in a meeting on "Technology Vision 2035 for India," organized by TIFAC, Dept. of Science and Technology, Govt. of India, New Delhi, December 22, 2011.
8. Invited as Examiner for Ph.D. Thesis Examination, Indian Institute of Technology Bombay, Mumbai, March, 2011.
9. Invited as Examiner for Ph.D. Thesis Examination, Indian Institute of Science, Bangalore, May, 2010.
10. Invited as a member of International Programme Committee for the Indo-US Workshop on Designing Sustainable Products, Services and Manufacturing Systems, organized by IISc., India and NIST, USA, Bangalore, India, 18-20 August, 2009.
11. Invited faculty expert for delivering a session in a Training Programme on rural Policy Research for Agriculture Scientist of ICAR and other organizations, Organized by IGIDR, Mumbai, September 15-20, 2008.
12. Invited faculty expert for delivering two sessions in a Refresher Course on Development Economics for College Teachers, Organized by the Bombay University, Department of Economics, Mumbai, December 21, 2005.
13. Invited to deliver a session in a Training Programme under EMCAB projects of the World Bank for Senior Officers of Pollution Control Boards organized by NIPFP, New Delhi, January, 2003.
14. Invited as Resource Person in a workshop to design a World Bank sponsored "faculty upgradation program on environmental economics," organized by IEG, DU, New Delhi, February, 2002.
15. Invited to deliver a session in a Training Programme on "Urban Environmental Management" under EMCAB projects of the World Bank for the Senior Officers of Pollution Control Boards organized by IGIDR, Bombay, December, 2002.

16. Invited as Expert for assessing Ph.D. proposals and selection of Ph.D. candidates on Environmental issues, S.N.D.T. Women University, Mumbai, January, 2001.
17. Invited to contribute a Paper to the Journal of Global Environmental Engineering, published by the Japan Society of Civil Engineers, Feb., 1996.
18. Invited to contribute an Article to the STA Today, a monthly international magazine published by the Science and Technology Agency of Japan, Aug, 1996.
19. Invited to deliver a session on "Natural and Environmental Resource Accounting" for Interns from South Asian and African Countries under "South and South East Asia Network for Environmental Education", an internship in Environmental Education sponsored by the World Conservation Union and organized by the Centre for Environmental Education, Ahmedabad, India, July, 1994.
20. Invited to deliver a lecture in the Training Course for Representatives of the States and Central Pollution Control Boards, sponsored by the World Bank and the Ministry of Environment and Forests, Govt. of India, organized at the Indian Institute of Technology, Bombay, Sept., 1993.
21. Invited to deliver lectures to Master of Technology Student Officers at Institute of Armament Technology, Defense Research and Development Organization, Pune, Feb., 1993.
22. Invited as Visiting Faculty for one full semester to deliver lectures to Postgraduate Diploma students on "Environmental Pollution Control Technology", Garware Institute of Career Education and Development, University of Bombay, Bombay, July, 1992.

HONOURS, AWARDS, AND FELLOWSHIPS:

Several academic honors, within India and abroad, have been achieved in the form of honorary positions, fellowships, scholarships, etc.

1. Chaired a Session National Symposium on “Project based learning: NEP’s Vision to Experiential Advanced learning,” Organized by Department of Chemistry, Chaudhary Charan Singh University, Meerut, March 25, 2025.
2. Invited as Scientific Committee Member, Second International Conference of ISETS (Australia), held in Nanjing, China, Nov., 01-04. 2024.
3. Invited to Chair a Session at the Third Biennial Conference on Development (Theme: Energy, Environment and Climate Change), organized by IGIDR in collaboration with the NITI Aayog, India and University of California and Berkley, December 16-19, 2024
4. Invited as a Resource Person and Panellist in the Plenary Session of an International Conference on “Economic Growth and Environmental Sustainability,” organized by Ch. Charan Singh University Meerut, November 29-30, 2023.
5. Invited to Chair a Session on “Climate Change Issues” in the Second Biennial Conference on Development Sustainable Development Goals amidst Multiple Global Shocks: Progress, Challenges and Way Forward, Organised by IGIDR, 21 – 23, December, 2022.
6. Invited as a Keynote Speaker on “Sustainable Energy, Environment and Development,” At the International Conference (World Environment Day-2022), Organized by Guru Jambheshwar Environment Conservation Centre, JNV University, Jodhpur, India, June 05, 2022.
7. Fellow of Institution of Engineers (India) and Chartered Engineer, September 15, 2020 onwards.
8. Nominated Academician by Hon’ble Governor of Gujarat as Member of Selection Committee for appointment of Professors and Assoc. Profs. at Hemchandracharya North Gujarat University, Patan, September, 2020.
9. Invited to deliver Valedictory Speech and Chair a Session at National Seminar on 'Integrating agricultural workers into Sustainable Development Goals' organized by Indian Institute of Public Administration, New Delhi-110002, March 14-15, 2019.
10. Invited as Panelist and Chair of a session on “Ecology and Sustainable Development, in an International Conference on “Ganga to Volga: India’s Connectivity with Inner Asia”, organized by Centre for Inner Asian Studies School of International Studies, Jawaharlal Nehru University, New Delhi , 6-7 March 2019.
11. Nominated by Hon’ble Governor of Gujarat as Member of Selection Committee for appointment of various teaching positions in Bachelor of Architecture Programme of Veer Narmad South Gujarat University, Surat, January, 2019.
12. Invited as the Chief Guest Speaker for the Valedictory Session of an International Conference on “The Status, Trends and Perspectives of World Economy for the Next Decade,” organized in cooperation with the Faculty of Economics & Tourism, “Dr. Mijo Mirković,” University of Pula, (Croatia, EU), and the Department of Macroeconomics and Economic Development, Faculty of Economics and Business, Zagreb (Croatia, EU), hosted by CH. C. S. UNIVERSITY OF MEERUT (UP), INDIA, November 26-28, 2018.
13. Invited as Session Chairman and Speaker at Science, Technology, Engineering and Management for Sustainable Development of Society (STEM-SDS), Organized by Vidya College of Engineering, Vidya Knowledge Park, Meerut, India, November 23-24, 2018.

14. Invited as Chairman of a Session on “Natural Resources, Climate Change and Risk” at the 26th Annual Conference of the Agricultural Economics Research Association (AERA), India on “Agriculture and Sustainable Development Goals” organized by the NDRI and AERA at ICAR-NDRI, Karnal, 15-17 November, 2018.
15. Expert Member, empanelled for Indian Ports Association (IPA), New Delhi, June, 2018 onwards.
16. Nominated by Hon’ble Governor of Gujarat as Member of Selection Committee for appointment of teaching and administrative posts of Hemchandracharya North Gujarat University, May, 2018.
17. Invited to deliver Valedictory Speech at the ICEF: SP-2018 (International Conference on Energy Future: Societal Perspectives), organized by PDPU, Gandhinagar, March, 22-23, 2018.
18. Appointed by Hon’ble Governor as the Chairman of the Search-cum-Selection-Committee for the post of Vice Chancellor of Dr.Bhimrao Ambedkar Open University, Gujarat, 2015. The vice chancellor of the said University was finally Appointed from the short list compiled and recommended by me.
19. Chairman of Session on “Environment and Development” in Conversations on Research (CoRe), IGIDR Ph.D. Colloquium, IGIDR, Mumbai, November 8-11, 2016.
20. Invited as a speaker at an International Conference on, JOBS FOR DEVELOPMENT: Challenges and Solutions, Organized by the ICRIER and the World Bank, New Delhi, 1-2 December 2014.
21. Invited as a VIP delegate at the 4th India Nuclear Energy Summit, organized by Noppen Conference & Exhibition Pvt. Ltd., India, Westin Mumbai Garden City in Mumbai, September 25-26, 2014.
22. Special Invitee for a Meeting of Apex Committee on “ Research on Environment” to review and approval of projects on "Modeling Studies on Greenhouse Gas Emissions and Emission Intensity of Indian Economy," Ministry of Environment and Forests, New Delhi, April 4th, 2014.
23. Member of the Academic Review Committee for Academic Review of Center for Biologically-Inspired System Science, IIT Jodhpur, February , 2014.
24. Nominated as member of the Task Force on "Power-Environment Interface," for NPP (National Perspectives Plan Scheme) of Ministry of Power, Central Power Research Institute/ Central Electricity Authority, Sept., 2012.
25. Invited to deliver valedictory address during a workshop and special address during opening session of a national conference, MS University, Tirunelveli, Tamil Nadu, March 14-15, 2013, India,
26. Invited to participate in “Indian Economy: Roadmap to Recovery”- a panel discussion by Mr. Yashwant Sinha, Chairman, Parliamentary Standing Committee on Finance, Former Union Finance Minister; Mr. Arun Shourie, former Union Minister for Disinvestment, Communication and Information Technology and Mr. Suresh Prabhu, former Union Minister for Power, organized by the IMC, Mumbai, September. 13, 2012.
27. Invited among the VIP delegates at the 2nd India Nuclear Energy Summit, Mumbai, August 30-31, 2012.
28. Invited to Chair the First Session and Member in the Panel Discussion in the Indian Life Cycle Assessment and Management Conference, organized by the UNEP, FICCI and MoEF, New Delhi, August 21-24, 2012.
29. Invited as Member of the Selection Committee for the faculty positions at Indian Institute of Management, Lucknow, May, 2012.
30. Expert Member, Board of Studies, Business Economics, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India, Sept, 2011 onwards.

31. Invited as Chief Guest to address the audience and distribute awards to the participants of "National Essay Competition Award Function-Life in Plastics Era," during the PLASTIVISION INDIA-2011, 8th International Plastics Exhibition & Conference, Organized by the All India Plastics Manufacturers' Association, (AIPMA) Mumbai, January 22, 2011.
32. Invited to deliver "Indira Gandhi Memorial Lecture" on "Sustainability and Rural Livelihoods" in an event organized by the Biodiesel Association of India, New Delhi, Nov., 19, 2010.
33. Invited as Peer Reviewer to assess the academic credentials of a candidate applied for promotion to the post of Professor at Joint Graduate School of Energy and Environment, King Mongkut's University of Technology Thonburi Bangkok, Thailand, 2010.
34. Member, Technical Expert Committee for LCA Study on Biodiesel and Bioethanol in Indian Context, TIFAC, Dept of Science and Technology, Govt. of India, January 2010.
35. Invited as Chief Guest to Inaugurate Environment Week at Rajhans Vidyalaya, Mumbai, as a part of their Silver Jubilee Function September 27, 2010.
36. Member Scientific Committee, International Conference on "Frontiers of Infrastructural Finance" (ICFIF 2011), Indian Institute of Technology, Kharagpur, India, 2010.
37. Invited as Key Note Speaker by the UNEP, France and Chairman by the CIMM, Chile for an international conference on LCA/ LCM (CILCA-2009), Chile (South America), Pucon City, April 27-29, 2009.
38. Chaired a Session at the Joint Seminar of The NRCT-ICSSR on Sustainable Development, Bangkok, Thailand, 21-25 May 2008.
39. Invited as Chief Guest on the Republic Day, by the DAV Group of Education (one of the largest education group in India running several hundred schools, colleges and institutions), New Panvel, Navi Mumbai, January 26, 2008.
40. Chairman of Two Sessions in the AIST Workshop on LCA for Asia-Pacific Region, Tsukuba, Japan, Nov.14-16, 2006.
41. Member of International Advisory Board, the Seventh International Conference on EcoBalance, Sponsored by The Society of Non-Traditional Technology, National Institute for Agro-Environmental Sciences, Japan Environmental Management Association for Industry, LCA Society, Japan, and Center for Environmental Information Services, Tsukuba, Japan, Nov.14-16, 2006.
42. Expert in the Selection Committee for the posts of Professors and Lecturers in Environmental Science and Technology, Shivaji University, Kolhapur, Sept 22, 2006.
43. Member of Steering Committee, Fifth APEC Workshop on LCA, Tsukuba, Japan, Nov.14-15, 2006.
44. Expert Group Member on E-Waste Management, MPCB, October, 2005.
45. Honorary consulting member for the Report on "The India UK Strategic Partnership: A Review of Academic and Educational Links", British Council, India, December, 2004.
46. Member of International Advisory Board, the Sixth International Conference on EcoBalance, Sponsored by The Society of Non-Traditional Technology, National Institute for Agro-Environmental Sciences, Japan Environmental Management Association for Industry, LCA Society, Japan, and Center for Environmental Information Services, Tsukuba, Japan, Oct.25-27, 2004.
47. Member of Organizing Committee, Fourth AIST Workshop on LCA for APEC Member Economies-Capacity Building in the Regions, Tsukuba, Japan, Oct..25-28, 2004.
48. Chairman of a Session on "Gender Issues" at the Inception Workshop, organized by the Indo-Canadian Shastri Institute, New Delhi, September 1-5, 2003.

49. Panel Member, Thematic Workshop on “Environmental Impacts of Development and Ecosystem Management, under Ministry of Environment and Forests and World Bank aided (EMCaB) project, IGIDR, July 5-7, 2003.
50. Member, SHARP Programme Advisory Committee (Environmental Management), Shastri Indo-Canadian Institute, under Canada International Development Agency, 2003.
51. Member, of International Life Cycle Board, the highest decision making authority of UNEP/SETAC Life Cycle Initiative, October, 2002 onwards.
52. Chairman of a Session at WSSD-Johannesburg, South Africa, August 30- Sept 2, 2002.
53. Member of International Advisory Board, the Fifth International Conference on EcoBalance, Sponsored by The Society of Non-Traditional Technology, Ecomaterials Forum and Japan Environmental Management Association for the Industry, Tsukuba, Japan, Nov.6-8, 2002.
54. Member of Organizing Committee, AIST Workshop on “Gateway to LCA in Asia-Pacific Region,” Tsukuba, Japan, Nov.6-8, 2002.
55. Chairman of a session in the Third Australian Conference on Life Cycle Assessment, sponsored by Australian Greenhouse Office, Queensland Government Environment Protection Agency, and ALCOA, organized by Australian Life Cycle Assessment Society, RMIT, University of QLD, University of NSW and Victoria University, July 17-19, 2002.
56. Member of the Core-group on Environment and Pollution Control, State Planning Board, Tenth Five-Year Plan, Govt. of Maharashtra, 2001.
57. Member, Task-Force on Energy-Environment Interface, Ministry of Power, Govt. of India, CPRI, Bangalore, 2001.
58. Chairman of a Session in The Fourth International Conference on EcoBalance sponsored by The Society of Non-Traditional Technology, Japan Environmental Management Association for the Industry, Tsukuba, Japan, Oct 31-Nov.2, 2000.
59. Chairman of a Session in The International Symposium on LCA, sponsored by AIST and METI, Tsukuba, Japan, Oct 31-Nov.2, 2000.
60. Member of International Advisory Board, The Fourth International Conference on EcoBalance, Sponsored by The Society of Non-Traditional Technology, Japan Environmental Management Association for the Industry, Tsukuba, Japan, Oct 31-Nov.2, 2000.
61. Member, UNEP’s (France) ILCP (International Life Cycle Panel), since 1998.
62. Panel Expert/Consultant for the programmes related to the UNDP/GEF project "Energy Recovery from Urban, Municipal and Industrial Wastes", Housing and Urban Development Corporation, New Delhi.
63. Awarded US-AEP and TAF Fellowship: (Environmental Fellowship): USAID, TAF and USAEP (The Asia Foundation and United States Asia Environmental Partnership). This Award is given to outstanding researchers for research and training in USA, worked at the World Bank, Washington DC- October, 1994 -January 1995.
64. Awarded STA Fellowship: (Visiting Research Fellowship for 18 months): STA (Science and Technology Agency) of Japan, through the Research Development Corporation of Japan to work at the National Institute for Environmental Studies (NIES) -It is given to very few young scientist and engineers (below 35 years of age only six from India in all disciplines for that year) for conducting research in Japan, July, 1995-December 1996.

65. Awarded Ph.D. Scholarship: (Research Fellowship): Ministry of Human Resources Development, Govt. of India- It is given to very few engineering teachers in India for studying further towards Ph.D., July, 1988-July 1991.
66. Awarded National Merit Scholarship: (Under-Graduate Scholarship): Ministry of Human Resources Development, Govt. of India- It is given to only selected meritorious under-graduate students to complete their studies, October, 1979-December 1981.

EDITOR, REFEREE, AND REVIEWER:

Served / serving on the Editorial Board and acted/ acting as a Referee/ Reviewer for various International Journals/ Organizations/ Projects.

1. Invited as the reviewer for the book “Beyond the Forecast: The Science, Impact, and Opportunity of Our Climate Crisis,” authored by Ms. Aisha Chandran, Ethics International Press, England. U.K., Feb., 04, 2025.
2. External Expert Reviewer to assess the performance of a faculty member in the area of Environment Management, IIM, Sirmaur, January 04, 2024.
3. Editor, IJSI (International Journal for Sustainable Innovations), January, 2010-till date.
4. Editor-in-Chief, SAVITARKA, an E-Magazine on Sustainable Development Issues, January, 2012-till date.
5. Reviewer of paper “GROUNDWATER CONTAMINATION: A Review,” q by Prof. B. K. Sahu for Journal “Earth, Climate, Planetary, and Environmental Sciences, June 05, 2022.
6. Reviewer for Manuscript Ref. No.: JEPO-D-18-02376 (Title: Cambodia's Energy Poverty and Its Effects on Social Well-being: Empirical Evidence and Policy Implications), for publication in “Energy Policy- an Elsevier Journal), October, 2018.
7. Member, Reviewer’s Committee, International Association of Chemical, Biological & Medical Sciences Researchers (CBMSR), (www.cdmr.org), 2017.
8. Referee / Reviewer for Selection of Faculty Member at the Indian Institute of Science Bangalore, India, January, 2017.
9. Member, Editorial Board, BAMBOO– INTERNATIONAL JOURNAL OF BAMBOO AND RATTAN APPLICATIONS, Gutenberg International Journals, India, March, 2016.
10. Referee / Reviewer for Promotion/ Selection of Faculty Member at the Indian Institute of Technology Kanpur, India, April, 2017.
11. Member, Editorial Board, International Journal of Business and Environmental Sustainability, Gutenberg International Journals, India, March, 2016.
12. Submission Editor, IJLCA, December 2014, for Ms. No. JLCA-D-14-00349, A Review on Environment, Technologies, Methodologies and Issues with Stone and Marble Industry in Rajasthan, India, by Mr. Bhargav Prajwal Pathri et al. for The International Journal of Life Cycle Assessment.
13. Submission Editor, for review and approve an article to international Journal, (IJLCA), A Springer Journal, invited by the Editor for manuscript JLCA-D-12-00014: Life-Cycle Assessment of fuel ethanol from sugarcane in Argentina, January, 2012.
14. Member, Editorial Board, International Journal of Life Cycle Assessment, Springer (earlier, with Ecomed Publishers, Landsberg, Germany), 1999-till date.
15. Member, Editorial Advisory Board, Environmental Monitoring and Assessment, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1996- till date.
16. Reviewed an article on “Comparative analysis of the Danube River water quality in Serbia, Environmental Monitoring and Assessment (An International Journal), July, 2011.
17. Reviewed and article “Life Cycle Assessment of Sugar Mill in India by Using PCA and EIO Approach” for The International Journal of Life Cycle Assessment, July, 2011.
18. Co-editor, “Guidelines to Assess Sustainability of Biomass Utilization in East Asia,” ERIA Research Project Report 2008 No.8-2, July 2009.

19. Reviewed an article for Int. J. LCA "Life cycle assessment of natural gas power plants in Thailand" authored by Kamalaporn Phumpradab, Shabbir H. Gheewala and Masayuki Sagisaka, October, 2008.
20. Reviewer for UNEP's manual on "Developing a Country's Life Cycle Inventory Data for Background Processes, with a Focus on Energy Systems Using Available Statistics", June, 2007.
21. Reviewed an Article submitted to Environmental Monitoring and Assessment (An International Journal), June, 2007.
22. Reviewer of UNEP's Life Cycle Initiative - Phase Two Strategic Plan for 2007-2010, September, 2006.
23. Referee for Int. J. of LCA, (Germany) for article "Environment Impact Assessment and its minimization in Mining and Beneficiation of Coal Using Life cycle Assessment Approach," September 2006.
24. Reviewed a book on "Introduction to Environmental Assessment of Products" (Authors: B. Weidema) for Kluwer Academic Publishers, The Netherlands, April 2004.
25. Reviewed an Article submitted to Environmental Monitoring and Assessment (An International Journal), Nov., 2003.
26. Peer Reviewer, Philip Morris, External Research Program, USA, 2001- 2005.
27. Member, Report Editing Committee, APEC/AIST/NEDO Symposium on LCA, JAPAN, 2000.
28. Associate Editor, Journal of Global Environment Engineering, Japan Society of Civil Engineers, Tokyo, Japan, 1998 – 2000.
29. Peer Reviewer, Centre for Indoor Air Research, Maryland, (USA), 1995 – 2000.
30. Member, Report Editing Committee, UNEP/APEC/AIST/NEDO Symposium on Life Cycle Analysis (JAPAN), 1998.
31. Member, Critical Review Subcommittee, Journal of Air & Waste Management Association (A&WMA), Energy and Environment Engineering Center, Desert Research Institute, Reno, NV 89506, (USA), 1997.
32. Member, Editorial Board, Indian Aerosol Science and Technology Association, Bombay, India, 1994-96.
33. Referee to several International Journals published from Europe and USA by well-known Publishers like Pergamon Press, Academic Press, A&WMA and Kluwer Academic Publishers.
34. Co-Editor, Souvenir, Final Year B.E. Civil Engineering Students and Teachers-1981-82, Civil Engineering Students Association, M.B.M. Engineering College, University of Jodhpur, Jodhpur Rajasthan.

STUDENTS' RESEARCH SUPERVISOR, GUIDE, AND EXAMINER:

As a Recognized Guide/ Supervisor for Universities/ Institutes, Prof. Sharma has supervised/ guided/ examined several students for their Post-doctoral Research, Ph.D., M.Phil., and Master's thesis and self-study and term papers for post graduate and under graduate students as listed below.

Post-Doctoral

1. Post-Doc (2007): Dr. Jinu Kurian, Ph.D. NITIE, Mumbai (now, I.I.M, Mumbai), (Environmental Science), worked as Research Associate under my guidance.
2. Post-Doc (2005): Dr. Amarnath Giri, Ph.D. Lucknow University, (Environmental Science), Research Assistant under my guidance.
3. Post-Doc (2003): Dr. J. Socretes, , Ph.D. , Anna University, Chennai. (Environmental Economics), Research Associate under my guidance.

Doctoral (Ph.D.)

4. Ph.D. (2023): Internal Examiner for Ph.D. proposal seminar of Mr. Ankit Singh Kharwar titled "Socio-economic Impacts of Renewable Energy Targets, IGIDR, Mumbai, September 26, 2023."
5. Ph.D. (2023): Internal Examiner for Ph.D. proposal seminar of Abhishek Singh titled "Role of Education in Human Capital Formation: Considering School Dropout Rate, IGIDR, Mumbai, September 27, 2023."
6. Ph.D. (2017): Examiner for Ms.Surabhi Joshi's thesis - Green Growth and Development: Evaluating Economic, Social and Environmental Impacts of Solar Energy Transitions in India, submitted to Indian Institute of Technology Indore, Indore, 2017.
7. Ph.D. (2017): Examiner for Romesh Chander's thesis- Energy Sector and its Implications on State Finances: A Study of Jammu and Kashmir, submitted to University of Jammu, 2017.
8. Ph.D. (2016): Examiner for Ms. Punam Singh's thesis - Measuring Project level Sustainability: A Study of Cooking fuels and Biogas systems in India, submitted to Indian Institute of Technology Bombay, Mumbai, 2016.
9. Ph.D. (2011): Examiner for Ms. Mary Rose Vimochana's thesis - Environmental Accounting for Oil and Natural Gas Resources in India, Examiner for Ph.D. Thesis, Indian Institute of Technology Bombay, Mumbai, July, 21, 2011.
10. Ph.D. (2010): Examiner for Shrinivas Kota's thesis- An Interactive Support for Developing Environmentally Friendly Product Lifecycles, Examiner for Ph.D. Thesis, Indian Institute of Science, Bangalore, August 01, 2010.
11. Ph.D. (2010): Guided Ms. Ayako Sato, Ph.D. Internship Scholar at IGIDR, Tohoku University, Japan, Carbon Emission Trading for various countries, March, 2010.
12. Ph.D. (2005), IGIDR, Mumbai: Guided Mr. S. Ghatak on - Environment and Infrastructure issues. Not submitted.
13. Ph.D. (2004), IGIDR, Mumbai: Guided Ms. Barnali Nag: Structural and Efficiency Indicators of Carbon Emission from Commercial Energy Use: A Sectoral Study for India (IGIDR).
14. Ph.D.(2000), IGIDR, Mumbai: Guided G.S. Haripriya: Environmental Accounting, Carbon Sequestration Potential and Policies For Carbon Mitigation in India (IGIDR).

M.Tech and M.Phil

15. M.Tech. (2012) Examiner for Mr. Deepak A. Kulkarni, IITB: Alteration in Metal Leaching Characteristics from Coal Fly Ash during Dynamic Aging.
16. M.Tech. (2012) Examiner for Mr. Kandarp K. Shivpuri, IITB: Changes in Metal Leaching From Coal Fly Ash during Wet Storage and Reuse.
17. M. Tech. (2007): Guided Mr. Mokter Hussain, on Waste Management in Mumbai, Finland, during his visit to IGIDR.
18. M. Phil (2005), IGIDR, Mumbai: Guided Mr. S. Ghatak: A Gate to Grave Life Cycle Assessments of Treatment of Municipal Solid Waste.
19. M. Phil. (2004), IGIDR, Mumbai: Guided Mr. D. N. Dwivedy: Prediction of Global Warming Impacts on Coastal Areas of India.
20. M.Phil. (2002), Examiner for Ms. Rachna, M. Phil. Thesis, IITB.
21. M. Phil. (2001), IGIDR, Mumbai: Mr. Anand Pandey: An Approach for Life Cycle Assessment of Cement Production in India.
22. Examiner for Mr. Sunil Joshi, M.E. (Environmental Engg. and Civil Engg.) final Examinations, JNV University, Jodhpur-342001, Rajasthan, 1995.

Post graduate and Graduate

23. M.Sc. (2024): Integrating Carbon Pricing into ESG Strategy of India: Assessing Evolution, Impact, and Challenges in the Emerging Market, Chaitanya Khandelwal, IGIDR, May 2024
24. M.Sc. (2024): An Analysis of effectiveness of environmental policies in India, Ghulam Mustafa, IGIDR, May 2024.
25. M.A. (2023), Navigating the Path to Sustainable Energy: State and Prospects of India's Energy Transition Mayank Pandey, Master's (International Relations), South Asian University, New Delhi.
26. M.Sc. (2022): EFFECT OF AIR POLLUTION ON QUALITY OF LIFE IN JHARKHAND, Master's Thesis, Submitted By Abhishek Kumar, IGIDR, May, 2022.
27. MA (2019): PROSPECTIVE OF ACHIEVING SUSTAINABLE DEVELOPMENT GOALS IN INDIA: From MDGs to SDGs, CHAYAN PODDAR, HSS, IIT GUWAHATI, July ,2019.
28. M.Sc. (2018): TERI SAS, New Delhi, ASSESSMENT OF ENVIRONMENTAL AWARENESS AND BEHAVIOUR: A CASE STUDY OF SELECT AREA IN MUMBAI, July, 2018.
29. M.Sc. (2016): IGIDR, State of Corporate Social Responsibility in India, Kinzal Jalan, May, 2016.
30. B.E. (2016): Shah & Anchor Kutchhi Engineering College, Energy Consumption and Energy Efficiency of Commercial & Housing Building, Gandhar Milin Suryavanshi, Mumbai, 2016
31. M.Sc. (2015): IGIDR, FEASIBILITY OF NEW OCEAN ENERGY IN INDIA, Treesha Sarkar, May 2015.
32. M.Sc. (2015): IGIDR, REVIEW OF STATE OF ENVIRONMENT MANAGEMENT IN INDIA: A FOCUS ON MUMBAI, Charul Chhokra, IGIDR, May 2015.
33. M.Sc.(2015): IGIDR, Evaluation of Impact of Renewable Energy Projects, Arvind Kumar, IGIDR, May 2015.
34. M.Sc. (2013): IGIDR, SUSTAINABILITY OF COASTAL AREAS IN INDIA, Binamrata Halder, IGIDR, May 2013.
35. M.Sc. (2013): IGIDR, Issues in Biomass Energy in India: Socio-Economic Impact on Land Use Change and Employment, Ramyani Mukhopadhyay, IGIDR, May 2013.

36. M.A. (2008), University of Rajasthan, Jaipur, Kshipra Jain, on SEZs in India.
37. M.Sc.(2006), IGIDR, Mumbai: Mohit Sharma: State of WEEE: Global and Indian Scenario.
38. M.Sc. (2006), IGIDR, Mumbai: Vishal Anand: Source Identification and Source Apportionment of Environmental Pollution.
39. M.Sc.(2006), IGIDR, Mumbai: Imran Ahmad: Ecolabelling as An Environmental Policy Measure
40. M.Sc.(2005), TERI, New Delhi: Sreeja Nair: Impact of Sea Level Rise on Mangroves in India.
41. B.Tech.(2003), IIT Madras, Chennai: Amrapali Kata: Environmental Issues in Maharashtra
42. M.Sc.(2003), University of Cochin: Saliha E.M: LCA of Coir Processing in Kerala, India.
43. M.Sc.(1999), University of Birmingham, UK: Katherine Wilson: Monitoring of Ambient and Indoor Levels of Nitrogen Oxide in Mumbai.
44. M.Sc.(1999), SNDT Women's University, Mumbai: Ritu Babel: Ecofriendly Packaging and Consumer Buying Behaviour: A Case Study of Mumbai.
45. M.Sc.(1999), SNDT Women's University, Mumbai: Mridula Deori: Environmental and Social Impact of Hand Made Paper in Mumbai.
46. M.Sc.(1999), SNDT Women's University, Mumbai: Shaikh Shama Parveen: Hospital Waste Management: A Case Study of Mumbai.
47. M.Sc.(1999), SNDT Women's University, Mumbai: Shilpa Sharma: A Study of Travelling Patterns and the Environmental Stress in Mumbai.
48. M.Sc.(1999), SNDT Women's University, Mumbai: Suri Simer: Life Cycle Analysis of Waste Paper: A Case Study of Mumbai.
49. M.Sc.(1999), SNDT Women's University, Mumbai: Poonam Makhija: Environment and Socio-Economic Problems of Some Coastal areas in Mumbai.
50. M.Sc.(1999), University of Jabalpur: Amitabh Sharma: Low Cost Methods for improving the Water Quality of selected resources at Jabalpur).

TEACHING EXPERIENCE:

Since the beginning of Academic Career in 1982, I have been involved in teaching at Graduate and Postgraduate Levels. During 1982-1991, shared a teaching load of 15-20 hours per week. Other major teaching and related assignments completed so far are mentioned below:

1. Course titled as "Introduction to Environmental Studies" to Ph.D. students, IGIDR, Jan-May, 2025.
2. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to Ph.D. and M.Sc. students, IGIDR, Jan-May, 2024.
3. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to Ph.D. and M.Sc. students, IGIDR, Jan-May, 2023.
4. Delivered two invited lectures to Pre-Ph.D. students on - 1) General issues of importance in SEED (Sustainable Energy, Environment Development) and 2) Job Opportunities in SED Sector, organized by Ch. Charan Singh University Meerut, November 22 and 24, 2023.
5. Delivered an invited lecture to PG, Pre-Ph.D. and Ph.D. students on "Job market in SEED SEED (Sustainable Energy, Environment Development), organized by Ch. Charan Singh University Meerut, November 25, 2023.
6. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to Ph.D. students, IGIDR, Jan-May, 2023.
7. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to Ph.D. students, IGIDR, Jan-May, 2022.
8. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to M.Sc./Ph.D. students, IGIDR, Jul-Dec, 2021.
9. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to M.Sc./MPhil/Ph.D. students, IGIDR, Jan-May, 2020.
10. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to M.Sc. students, IGIDR, Jan-May, 2019.
11. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to visiting Foreign students, IGIDR, Jul-Dec, 2018.
12. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to M.Sc. students, IGIDR, Jul-Dec, 2017.
13. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to M.Sc. students, IGIDR, Jan-May, 2016.
14. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to M.Sc. students, IGIDR, Jan-May, 2015.
15. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to M.Sc. students, IGIDR, July-Dec, 2014.
16. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to Ph.D./M.Phil./M.Sc. students, IGIDR, Jan-May, 2014.
17. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to Ph.D./M.Phil./M.Sc. students, IGIDR, July-Dec, 2013.
18. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to Ph.D./M.Phil./M.Sc. students, IGIDR, Jan-May, 2013.
19. Course titled as "Socio-economic and Policy Issues in Energy and Environment" to M.Phil./Ph.D. and M.Sc. students, IGIDR, Jul-Dec, 2012.

20. Course titled as “Tools for Sustainability Assessment” and “Socio-economic issues in Energy and Environment” to M.Phil./Ph.D. and M.Sc. students, IGIDR, Jul-Dec, 2011.
21. Course titled as “Tools for Sustainability Assessment” to M.Phil./Ph.D. students, IGIDR, for Academic Session 2010-11 (Semesters July-Dec, 2010 and Jan-May, 2011).
22. Course titled as “Tools for Sustainability Assessment” and “Socio-economic issues in Energy and Environment” to M.Phil./Ph.D. and M.Sc. students, IGIDR, Jan-May, 2009.
23. Course titled as “Tools for Sustainability Assessment” to M.Phil./Ph.D. and M.Sc. students, IGIDR, July-Dec., 2008.
24. Course titled as “Socio-economic Policy issues in Energy and Environment” to M.Phil./Ph.D. and M.Sc. students, IGIDR, July-Dec., 2008.
25. Course on “Advance Issues in Environment and Development” to M.Phil./Ph.D. and M.Sc. students, IGIDR, Jan-May, 2008.
26. Course on “Energy and Environment” to M.Sc. and M.Phil./Ph.D. students, IGIDR, 2005.
27. Compulsory Course on “Energy and Environment” to M.Sc. and M.Phil./Ph.D. students, IGIDR, 2004.
28. Course on “Environmental Science and Engineering” at Postgraduate Level, IGIDR, 2002.
29. Compulsory Course on “Energy and Environment” at Postgraduate Level, IGIDR, 2001.
30. Designed an Inter-Disciplinary Syllabus and introduced Postgraduate and Ph.D. Programme on Environment and Development (six subjects and dissertation) at SNTD University in 1998.
31. Compulsory course on “Environment & Development” at Postgraduate level, SNTD University, 1998.
32. Compulsory course on “Regional and Global Environmental Issues” at Postgraduate level, SNTD University, 1999.
33. Compulsory course on “Environment Economics and Policy” at Postgraduate level, SNTD University, 1999.
34. Designed an Inter-Disciplinary Syllabus for and introduced one compulsory course at Postgraduate Level, IGIDR in 1992.
35. Framed and introduced four optional courses on Environment at Postgraduate Level, IGIDR, 1992 and 1993.
36. Compulsory Course on “Energy and Environment” at Postgraduate Level, IGIDR, 1992.
37. Compulsory Course on “Energy and Environment” at Postgraduate Level, IGIDR, 1993.
38. Compulsory Course on “Energy and Environment” at Postgraduate Level, IGIDR, 1994.
39. Course on “Environmental Science and Engineering” at Postgraduate Level, IGIDR, 1997
40. Compulsory course on “Environmental Chemistry” at Postgraduate level, University of Jodhpur, 1987.
41. Compulsory course on “Environmental Micro-biology” at Postgraduate level, University of Jodhpur, 1987.
42. Various subjects on “Civil and Environmental Engineering” such as “Environmental Engineering, Hydraulics and Fluid Mechanics, Surveying, Building Design, Engineering Geology, at Graduate (BE) level, University of Jodhpur, during 1982-1986.
43. Taught and supervised field and laboratory work at Graduate and Postgraduate Levels, in Environmental Engineering Laboratory, Surveying Laboratory, Hydraulics and Fluid Mechanics Laboratory, University of Jodhpur, during 1982-1987.

44. Delivered invited lectures at various organizations such as IIT Bombay, University of Bombay, Institute of Armament Technology, DRDO, Pune, Center of Environment Education, etc. during 1992-2001.

IMPACT OF RESEARCH ON POLICY:

Through the output of several of my research and consultancy assignments and publications, in the form of journal articles, books, reports, monographs, etc., I have contributed to policy making in India and abroad. Some of them are mentioned below briefly.

- **Climate Change and its Impact:**

My Research on climate changes issues was initiated in early 1990s. A major project during, 1995-98 was jointly conducted by me for the National Institute for Environmental Studies, Tsukuba, Environment Agency (Ministry) of Japan and Indira Gandhi Institute of Development Research, Bombay. I was the project leader for this project in the area of international and regional importance. The objective of the research was to find out the impact of climate change on agriculture, water resources and socio-economic sectors in India. Since the Climate Change Impacts form a bridge between green house gas (GHG) emissions and policy for their abatement, the results of this research were of immense help for the policy makers. Since 1990s, I have been in favour of total GHG emissions from each country to decide the joint responsibility of all nations to tackle the problems although most researchers in developing world advocated for fixing the responsibility based on per capita GHG emissions. Since the climate change issues still remain a serious concern, rather than playing a blame game, it is high time to take various measures to reduce GHG emissions and promotion of Renewable Energy is of utmost importance. Use of technology such as Carbon Capture, Utilization and Storage, which were proposed long ago but not used due to various reasons are gaining momentum. My present research on climate change issues includes RE, CCUS, CBET, CBAM, ESG and Green Financing.

- **Sustainable and Renewable Energy:**

I have worked as an international expert team member to provide my input in a multi-country research project. This research is undertaken by the Economic Research Institute for ASEAN and East Asia (ERIA) and included experts from various countries having multi-disciplinary background. These experts suggested several policies and strategies on “Energy Sustainability and Development in ASEAN and East Asia.” My research focused on India and included “Energy, Income, Trade And Environment Nexus: Dynamic Data Analysis for India” and, “the Effect of Energy Sector Reforms on the Promotion of Renewable Electricity and Social Welfare in India.” The policy recommendations of the report prepared by the experts were accepted by the Energy Ministers’ of the East Asian countries including India.

- **Education for Sustainability:**

I have worked as an expert to provide input from India in this multi-country project. This project was promoted by Nanyang Technological University (NTU), Singapore for assessing and enhancing the role of education in Sustainable Development. The project focuses on Education for Sustainability (EfS) in Asian Countries and studies the penetration of EfS at all levels, i.e., primary, secondary and higher education. Awareness and Education are among the key factors in changing the attitude of people towards environment, which may result in their activities for resource conservation and environmental protection. The policy recommendation from various forms of output and publications of the project (workshops, reports, news letters, books) may help in promoting EfS in Asia and increasing awareness among masses.

- **Sustainable Biomass Utilization for Energy Production in East Asia:**

I have worked as Indian team leader and as an international expert to provide my input in this multi-country project. This project was sponsored by the Japan External Trade Organization (JETRO) and Economic Research Institute for ASEAN and East Asia (ERIA). The project investigated various aspects

of “Sustainable Biomass Utilization in East Asia.” An elaborate research was conducted by a multi-disciplinary, multi-national expert working group (WG) formed by the Economic Research Institute for ASEAN and East Asia (ERIA). The WG experts were specialized in various disciplines such as energy, environment, social-sciences and economics, within the East Asian region. The WG highlighted various crucial issues and suggested some necessary steps, which could be useful for achieving sustainable biomass utilization in the production and consumption of bioenergy in the region. The policy recommendations of the report prepared by the WG were accepted by the Energy Ministers’ of the East Asian countries including India.

- **State of Environment Report- Maharashtra:**

This project was sponsored by the Maharashtra Pollution Control Board in Collaboration with the Ministry of Environment and Forests, Govt. of India. Under my supervision, the report was coordinated and prepared by the Indira Gandhi Institute of Development Research (IGIDR), Mumbai, India and other collaborating partners were IIT Bombay, NEERI, Universities and Municipal Corporations of Maharashtra. The objective of this Report was to assess the state of the art of natural resources and environment in the state of Maharashtra. The report covered all major environmental sectors, including local and global issues, and suggested the policy measures for various sub-sectors of environment. The report could be useful for the decision and policy makers and other stakeholders responsible for environmental management who could frame policies in such a way that the state of Maharashtra can achieve an eco-friendly development.

- **Assessment of Sustainability through Life Cycle Approach:**

This research is aimed at the assessment of sustainability of products, processes and services throughout their life span. An international (biggest) conference on LCA was organized in India at IGIDR, which is still continue through sessions on life cycle thinking and approaches in a biennial event series, ISSF. Through establishment of Indian network of LCA stakeholders (ISLCA) and representation in several forums on LCA around the world including international advisory committee member of a biennial event EcoBalance organized by the SNTT and AIST, Japan, this elaborate research has resulted in substantial increase in awareness and action on the LCA concepts and application in India.

- **Maharashtra State Development Report:**

This project was sponsored by the Planning Commission, Govt. of India. Under my supervision, the report was coordinated and prepared by the Indira Gandhi Institute of Development Research (IGIDR), Mumbai, India. Other collaborating partners were Gokhale Institute of Politics and Economics (GIPE), Pune, Jamnalal Bajaj Institute of Management Studies (JBIMS), Mumbai and Tata Institute of Social Sciences (TISS), Mumbai. The objective of Maharashtra State Development Report was not merely to state policies and achievements of the Government, but rather a concerted effort to provide a document with guidelines for accelerated, improved and sustainable development in the state. It recognizes that development is an all-encompassing process, which requires the State Government, the Civil Society, the Panchayati Raj Institutions and all stakeholders to work in tandem. Thus, the report could act as the ready reference material to review the reasons for success and failures on various fronts and as a useful tool for the policy makers to decide the strategy for future development in the state. The report was released in a high profile function organized by the Chief Minister’s office by Shri M.S. Ahluwalia, Dy. Chairman of the Planning Commission in November, 2005. It was well received by print and TV media and covered by all major national newspapers and TV channels.

- **Environmental and Natural Resource Accounting:**

These projects were sponsored by the UNDP and the UN-ESCAP through the Ministry of Environment and Forests, Govt. of India. These aimed at internalizing the environmental costs into the development process. They have made significant impact on Government Policy, and as a result, several research projects across the country were initiated on various resources suggested through these projects. Some resource specific studies gave useful input to formulation of policies related to the monetary estimation of damages to these resources caused by pollution and other anthropogenic activities.

- **Trade and Environment Linkages:**

This project was sponsored by the UNCTAD and made a significant impact on international policies related to the Environment and Trade. The project added to the ongoing debate on trade and environment issues in the international and Indian forums. The study suggested guidelines to frame policies which could minimize the damages to local ecology and environment due to trade related activities and, at the same time, the trade is not restricted due to international environmental barriers.

- **Waste Paper Trade and Recycling:**

This research was jointly conducted by the Institute for Environmental Studies, Amsterdam, The Netherlands, Indira Gandhi Institute of Development Research, Bombay and INTERVENTION India Pvt. Ltd., Bangalore. I was project leader and principal researcher from IGIDR and lead several researchers from IGDIR and other Institutions in India. This project came out with some important findings related to trade and recycling of waste paper at international, national and local levels. The study suggested various policy measures on trade, environment and socio-economic aspects of waste paper recycling which could be adopted to improve the solid waste management and recycling infrastructure in India.

- **Air Pollution and its Impacts:**

This is one of the areas on which I have made the largest contribution. Both indoor and ambient air pollution problems have been studied for rural and urban regions. Two most polluted cities in India (Delhi and Mumbai) have been the focus of studies. My Book on Atmospheric Pollution by Aerosols focused on air pollution in Mumbai. I worked as an expert member in Metropolitan Environment Improvement Programme which was supported by the World Bank, USA and executed by the Environment Dept., Government of Maharashtra. The study focused on several aspects of air pollution in Bombay. The study suggested various measures which could be followed to abate air pollution in metropolitan and urban regions of India. Introduction of Catalytic Converters in the vehicles and use of unleaded petrol and PUC were some of the recommendations of this study which have been introduced in India since 1995. I also worked as Team Leader of "Integrated Assessment of Air Quality in Delhi" Sponsored by Tata Motors Limited, A Leading Company from the House of Tatas, India, during 2005 and 2007.

FIELD MONITORING AND SURVEY WORK:

- Field visits for survey and data collection on social, economic and environmental aspects of sustainability of bioenergy / biofuels, in India (Andhra Pradesh) – a multi-country joint project of AIST, Japan and ERIA, Indonesia, Aug.2011-2013.
- Field visits for survey and data collection on social, economic and environmental aspects of sustainability of bioenergy / biofuels, in Malaysia (Carrey Island and Kuala Lumpur), July 10-12, 2010.
- Field visits for survey and data collection on social, economic and environmental aspects of sustainability of bioenergy / biofuels, in Indonesia (Jakarta and Lampung Regions), Feb-March, 2010.
- Field visits for survey and data collection on social, economic and environmental aspects of sustainability of bioenergy / biofuels, in The Philippines (Manila and Los Banos Regions), March, 2010.
- Field visits for survey and data collection on social, economic and environmental aspects of sustainability of bioenergy / biofuels (Palm Oil Production), Malaysia, January, 2008.
- Field visits for survey and data collection on social, economic and environmental aspects of sustainability of bioenergy / biofuels (Palm Oil Production), Singapore, February, 2008.
- Field visits for survey and data collection on social, economic and environmental aspects of sustainability of Sugar Plantation and Ethanol, in KhonKaen, Thailand, 2010.
- Field visits for survey and data collection on social, economic and environmental aspects of sustainability of bioenergy / biofuels, Chiang Mai, and Bangkok, July 16-20, 2007.
- Survey / Field work to collect primary and secondary data for conducting the EIA of Swan River Flood Management and Integrated Land Development Project in Himachal Pradesh (H.P.) for Japan Bank for International Cooperation (JBIC), 2005.
- Survey / Field work to collect primary and secondary data on Pollution Prevention and Waste Minimization of Small Scale Industries in Kolkata Metropolis Area for India Canada Environment Facility (ICEF), February-March, 2005.
- Field Sampling of Particulate and Gaseous Air Pollutants using High-Vol. Samplers and Respirable Dust Samplers and Gas Analyzers and data on health aspects of air pollutants ,2005-06.
- Survey / Field work for evaluation of performance of more than 800 Nature Clubs spread across seven states in India set up by ICEF and WWF for environmental education and awareness, 2002.
- Economic, Trade, Energy and Environmental Data Collection (base line and secondary data) for Wastepaper and Plastic Waste in India and the Asia-Pacific region, 1995-96.
- Socio-economic, export, health & environmental data collection survey for Indian Leather Tanning Industry, 1994-95.
- Socio-economic, export, health & environmental data collection survey for Indian Fish and Shellfish Industry, 1994-95.
- Economic and environmental data collection survey for Pollution Monitoring & Abatement Industry in India, 1992-93.
- Several field visits in Japan (Tokyo, Kyoto, Nagoya, Osaka) of recycling centers, forestry conservation methods, waste treatment facilities, lake conservation techniques, etc. under the program on "Resource Conservation and Environmental Protection" Oct.-Nov. 1993.
- Field Sampling of Particulate and Gaseous Air Pollutants using High-Vol. Samplers, Respirable Dust Samplers, Cascade Impactor, QCM-CI, Gas Analyzers, Stack Samplers, etc., 1988-90
- Field Sampling of Water Pollutants for various pollutants like BOD, COD, DO, Color, TDS, Conductivity, pH etc. Laboratory Analysis of Air and Water Pollutants using AAS, Spectrophotometers, ICPES, XRF, INAA, CAS, IAS, etc., 1988-90.

PROFESSIONAL AND TECHNICAL AFFILIATIONS:

1. Fellow of Institution of Engineers (India) and Chartered Engineer, September 15, 2020 onwards.
2. Founding Member, International Society for Energy Transition Studies (ISETS), Australia, June, 2020.
3. Life Member, IITB-AA (Indian Society for Life Cycle Assessment, India).
4. Member of Agriculture Economics Research Association (AERA), Nov. 2018.
5. Life Member, ISCA (The Indian Science Congress Association, India), 2014.
6. Honorary Chairman EEIU, India Chapter (Eco-Ethics International Union, Germany), 2005.
7. Member, UNEP's (France) ILCB (International Life Cycle Board), 1998 .
8. Member, MA&WMA (Air & Waste Management Association, USA), 1994.
9. Member, MAERE (Association of Environmental and Resource Economists, USA), 1994.
10. Life Member, MIFTA (Indo-French Technical Association, India), 1992.
11. Life Member, MIE (Institution of Engineers, India, 1987.
12. Life Member MISDT (Indian Society of Desert Technology, India), 1983.
13. Life Member, MIASTA (Indian Aerosol Science & Technology Association, India), 1990.
14. Member, MCERS (Consumer Education and Research Society, India), 1992.
15. Honorary President, ISLCA (Indian Society for Life Cycle Assessment, India), 1997.
16. Honorary Chairman, NEEF (The National Ecology and Environment Foundation), India, 1997.

COMPUTER AND MODELLING EXPERIENCE:

- Geographical Information System (GIS) using GRASS and ARC/INFO Methods.
- Trade Analysis and Reporting System (TARS) of the World Bank for retrieving trade data.
- Dispersion Modeling of Air Pollutants using Gaussian Plume Model.
- Receptor Modeling of Air Pollutants using Statistical Techniques like Correlation and Regression, Chemical Mass Balance, Factor Analysis-Multiple Regression, Composite Receptor Model, Cluster Analysis, etc.
- Expertise to work on several computer softwares such as SPSS, STATA, Statgraphics, Harvard Graphics, Supercalc5, Lotus 1-2-3, Matlab, MSOFFICE- Word, Excel, Power Point, Word Perfect, Wordstar, Chiwriter, Grapher, Flow, News, etc.
- Knowledge of Programming Languages such as Basic, Quick Basic, and Fortran.

LABORATORY ANALYSIS EXPERIENCE:

- Physical and Chemical Analysis of Atmospheric Aerosols (suspended particulate matter).
- Physical and Chemical Analysis of Water/ Waste Water Samples.
- Physical and Chemical Analysis of Solid Waste.
- Hand on experience on basic and advanced analytical instruments including Turbidity Meter, SP, AAS, XRF, XRD, ICEPES, QCMCI, HVS, IAS, etc.
- Civil and Structural Engineering Laboratory and workshops.

APPOINTMENTS, SELECTIONS AND INVITATIONS:

- Appointed by Hon'ble Governor of Gujarat as the Chairman of the Search-cum-Selection-Committee for the post of Vice Chancellor of Dr. Bhimrao Ambedkar Open University, Gujarat, 2015. The VC of the said University was appointed from the short list compiled and recommended by me.
- Appointed as the Director of Faculty of Engineering and Technology (Equivalent to Vice-Chancellor) NSHM Knowledge Campus, Durgapur, West Bengal, 2018.
- Appointed as the Director (Equivalent to Vice-Chancellor) of a proposed Technology University at Ahmadabad, 2008.
- Appointed as Principal of a College of Engineering- An AICTE and Mumbai University Recognized College, Mumbai, 2000.
- Empaneled among the last three candidates and considered for appointment for the post of the Director of a National Institute of Technology (NIT), India, 2006.
- Invited for the interaction/ discussion with the Search-cum-Selection Committee for the post of Director of Indian Institute of Management (IIM), Amritsar, a Premier Management Education and Research Institute/ University in India, Ministry of HRD, Government of India, June, 2018.
- Invited twice for the interaction /discussion with the Search-cum-Selection Committee for three posts of Director, one each in three Indian Institute of Technology (IITs), Premier Technical Institutes/ Universities in India, Ministry of HRD, Government of India, 2014.
- Invited for the interaction/ discussion with the Search-cum-Selection Committee for the post of Director of National Institute of Industrial Engineering (NITIE), Mumbai – A premier Institute of Ministry of HRD, Government of India, 2012.
- Invited for the interaction /discussion with the Search-cum-Selection Committee for the post of Chairman, AICTE (All Indian Council of Technical Education)– An autonomous organization of Ministry of HRD, Government of India, 2011.
- Invited for the interaction /discussion with the Search-cum-Selection Committee for the post of Director of GEMI (Gujarat Environment Management Institute), Vadodara, An autonomous organization of Govt. of Gujarat, 1999.
- Appointed as a Professor at the National Institute of Industrial Engineering (NITIE), Mumbai – A premier Institute of Ministry of HRD, Government of India, 2000.
- Appointed (by invitation) and worked as Professor and HOD at SNDT University, Mumbai, 1998-99.
- Appointed as Junior Civil Engineer, Public Works Department, Govt. of Rajasthan (India), 1982.
- Appointed as Junior Civil Engineer, Irrigation Department, Govt. of Rajasthan (India), 1982.
- Selected for Ph.D. admission at Dundee University, Scotland, UK, and Stuttgart University, Germany, 1986-87.
- Admitted for Ph.D. admission at Dundee University, Scotland, UK, 1987.
- Admitted for Ph.D. admission at Stuttgart University, West Germany, 1986.
- Appointed as Assistant Professor (Reader), Sardar Patel College of Engineering, Bombay, 1989 and 1991.
- Appointed as Assistant Professor (Reader), Sardar Patel College of Engineering, Bombay, 1989 and 1989.

APPOINTMENTS ON ADMINISTRATIVE POSITIONS *

- Appointed as Director (Equivalent to a Vice-Chancellor) of NHSM Knowledge Campus, Durgapur, West Bengal, 2018.
- Appointed as Director (Equivalent to a Vice-Chancellor) of a proposed Technology University at Ahmadabad, 2008.
- Appointed as Principal of Rizvi Engineering College- An AICTE and Mumbai University Recognized College, Mumbai, 2000.
- Appointed as Assistant Engineer, in Irrigation Dept. through Gujarat Public Service Commission Gujarat, India, 1983.
- Appointed as Junior Civil Engineer, Delhi Municipal Corporation, New Delhi, India, 1983.

(* Did not join).

EXTRA-CURRICULAR ACTIVITIES:

- Ranked as class topper, acted as class monitor and was placed among best students at school level.
- First prize in dramatics as best actor and director at Indian Institute of Technology, Bombay.
- First prize in essay writing competition at University Level, University of Jodhpur.
- Worked as General Secretary and Cultural Secretary at IIT, Bombay.
- Organized and Participated in several Sports, Yoga, Music and Cultural Activities at District/ School/ College Levels.

REFERENCES: Available on Request

LIST OF PUBLICATIONS: Enclosed

LIST OF PUBLICATIONS:

Authored / Edited over 180 publications, including Books, Policy Reports, Papers in Refereed Journals/ Conference Proceedings/ Project Reports and Presentations in Conferences / Workshops/ Symposiums/ Seminars, etc., categorized in Table and listed in detail as follows:

NUMBER OF PUBLICATIONS:

Type / Category of Publication	International	National	Total
Books and Book Chapters	16	10	26
Papers in Peer Reviewed/ Refereed Journals	22	8	30
Conference Proceedings Edited	8	1	9
Research Reports Authored / Edited	11	5	16
Papers in Conference Proceedings / Presentations	58	15	73
Monographs / Theses / Seminar Reports	9	37	46
Articles In Newspapers and Magazines	1	9	10
Forthcoming	3	0	3
Total Publications	128	85	213
Organization of Events	20	16	36
Participation in Events	42	35	77
Total Events	62	51	113

DETAILS OF PUBLICATIONS:

(I) BOOKS / CHAPTER IN BOOKS - AUTHORED / EDITED: (National- 16; International-9)

1. Charting India's Sustainable Future: Perspectives on Energy and Environment Sector Planning. Forthcoming.
2. An Analysis of India's Quest to Clean and Just Energy Transition, forthcoming.
3. Technological innovations and policy reforms for Carbon Capture, Utilization and Storage in India, forthcoming
4. Sangeeta V. Sharma, Han Phoumin, Vinod K. Sharma, Farhad Taghizadeh-Hesary: "India's Green Financing Renewable Energy Initiatives" outcome of research project on "Innovative Ways for Financing Renewable Energy Projects in ASEAN and East Asia", In: Phoumin, H., Taghizadeh-Hesary, F., & Kimura, F. (Eds.). (2023). Green Finance and Renewable Energy in ASEAN and East Asia (1st ed.). Routledge. <https://doi.org/10.4324/9781003397670>
5. Sharma, S.V., Phoumin, H., Sharma, V.K., Nepal, R. (2024). India's Cross Border Electricity Trade with BIMSTEC Countries. In: Phoumin, H., Nepal, R., Kimura, F., Taghizadeh-Hesary, F. (eds) Large-Scale Development of Renewables in the ASEAN. Economics, Law, and Institutions in Asia Pacific. Springer, Singapore. https://doi.org/10.1007/978-981-99-8239-4_10
6. SANGEETA V. SHARMA, PHOUMIN HAN AND VINOD K. SHARMA: The Effect of Energy Sector Reforms on Promotion of Renewable Electricity and Social Welfare In India, Book Chapter published in "Energy Market Reforms in the ASEAN, China, India and Japan," edited by Han Phoumin, Farhad Taghizadeh-Hesary, Fukunari Kimura, and Rabindra Nepal, published by World Scientific Publishing Company Pte. Ltd., Singapore, 596224, 2023.
7. SANGEETA V. SHARMA, THAI-HA LE, PHOUMIN HAN AND VINOD K. SHARMA: "Energy, Income, Trade And Environment Nexus: Dynamic Data Analysis for India" Book Chapter published in "Energy Sustainability and Development in ASEAN and East Asia", edited by Phoumin Han, Farhad Taghizadeh-Hesary and Fukunari Kimura, Routledge, Abingdon, Oxon OX14 4RN and New York, NY 10017, June, 2020.
8. VINOD KUMAR SHARMA AND SANGEETA V. SHARMA: Sustainability Aspects of the Education System in India, (in "Education and Sustainability: Paradigms, Policies and Practices in Asia," Edited by Michelle Y. Merrill, Patricia Burkhardt-Holm, Chew-Hung Chang, Md. Saidul Islam and Youngho Chang, Routledge, Abingdon, Oxon OX14 4RN and New York, NY 10017, January, 2018.
9. SANGEETA SHARMA and VINOD K. SHARMA: Socio-economic Impacts of an LPG Subsidy Removal on the Household Sector in India, (in "Institutional Policy and Economic Impacts of Energy Subsidies Removal in East Asia", Edited by Han Phoumin and Shigeru Kimura), ERIA, Indonesia, May, 2017.
10. VINOD K. SHARMA: "CLIMATE CHANGE AND ITS IMPACTS: Understanding Some Facts, Myths and Controversies," published in India Development Report, Oxford University Press, New Delhi, 2015.
11. VINOD K. SHARMA et al.: "Feasibility study on the Best Mix of Renewable and Conventional Energy Sources Sustainable for Various Asian Communities," Research Institute of Science for Safety and Sustainability, National Institute of Advanced Industrial Science and Technology, Japan, September, 2014.
12. VINOD K. SHARMA: "Sustainability of biomass energy in India: the case of biodiesel production from tree borne oils " published in India Development Report, Oxford University Press, New Delhi, 2012.
13. VINOD K. SHARMA (Co-Editor): Updating the Sustainability Assessment Methodology for Biomass Energy Utilization for Small and Large Scale Initiatives in East Asian Countries, Edited

- by ERIA Working Group on “Sustainability Assessment of Biomass Utilization in East Asia,” 2012.
14. VINOD K. SHARMA (Co-Editor): Sustainability Assessment Methodology for Biomass Energy Utilization for Small and Large Scale Initiatives: Lessons Learned from Pilot Studies in Selected East Asian Countries, Edited by ERIA Working Group on “Sustainability Assessment of Biomass Utilization in East Asia,” November 2011.
 15. VINOD K. SHARMA: “Environmental Challenges of Development Strategies in India” published in India Development Report (Edited by D.M. Nachane), Oxford University Press, New Delhi, 2011.
 16. VINOD K. SHARMA (General Editor): Policy Report on “Sustainability Assessment of Biomass Energy Utilization in Selected East Asian Countries” published by Economic Research Institute for ASEAN and East Asia (ERIA), Jakarta, Indonesia, 2010.
 17. VINOD K. SHARMA: A chapter on “Social Dimension of Bioenergy Development In India”, in a book titled “Designing Sustainable Products, Services and Manufacturing Systems, (Editors, Amaresh Chakrabarty, et al.), Research Publishing Services, Singapore, 2010.
 18. VINOD K. SHARMA: Chapter on “Guidelines for Social Impacts of Biomass Energy in East Asia” in a book titled “Biomass Utilization Vision for East Asia” (Editor Dr. Masayugi Sagisaka), published by National Institute of Advanced Industrial Science and Technology (AIST), Japan, June 2009.
 19. VINOD K. SHARMA: Chapter on “Social Aspects of Biomass Energy in India” in a book titled “Biomass Utilization Vision for East Asia” (Editor Dr. Masayugi Sagisaka), published by Japan External Trade Organization (JETRO), Institute for Developing Economies (IDE) and Economic Research Institute for ASEAN and East Asia (ERIA), March 2008.
 20. VINOD K. SHARMA (Editor): MAHARASHTRA STATE DEVELOPMENT REPORT, A Major Policy Document on Development issues in Maharashtra, prepared for the Planning Commission, Government of India, Oxford University Press, New Delhi, 2007.
 21. VINOD K. SHARMA (Editor): STATE OF ENVIRONMENT REPORT- MAHARASHTRA, A Major Policy Document on Environment issues in Maharashtra, prepared for the MoEF, Govt. of India, MPCB and GoM, 2007.
 22. VINOD K. SHARMA (Author): HANDBOOK OF ENVIRONMENT, Bookwell Publishers, Delhi – 100 009, January, 2004.
 23. VINOD K. SHARMA (Editor): ENVIRONMENTAL PROBLEMS OF COASTAL AREAS IN INDIA, Bookwell Publishers, Delhi – 100 009 (India), 2000.
 24. VINOD K. SHARMA and PIETER VAN BEUKERING (Editors): WASTE PAPER TRADE AND RECYCLING IN INDIA, Scientific Publishers, Jodhpur - 342001 (INDIA), 1997.
 25. V. K. SHARMA (Author): ATMOSPHERIC POLLUTION BY AEROSOLS: Scientific Publishers, Jodhpur, (India), distributed by State Mutual Book and Periodical Services Ltd., New York-100017 (USA) and N.C.Traders, Reading, RG5 4EW, Berks,(U.K.), 1994.
 26. R.S. PATIL AND V. K. SHARMA: Role of Environmental Impact Assessment in Financing of Rural Projects. Commissioned paper, Proceedings of NABARD Consultation National Workshop, IGIDR, Bombay, April, 1994.

(II) PUBLICATIONS IN PEER- REVIEWED JOURNALS: (National- 8; International-22)

27. VINOD K. SHARMA, et al., Socio-economic Determinants of Energy Poverty amongst Indian Households: A Case Study of Mumbai, Energy Policy, (ISSN: 2071-1050), Elsevier, 132, 1184-1190, 2019 **(Q1)**.
28. VINOD K. SHARMA, et al., Region-Specific Indicators for Assessing the Sustainability of Biomass Utilization in East Asia, Sustainability (ISSN: 2071-1050), 7, 16237–16259, December, 2015.
29. VINOD K. SHARMA, et al., Sustainability Assessment Methodology of Biomass Utilization for Energy in East Asian Countries, Journal of Japan Institute of Energy (ISSN: 0916-8753), 91. 960-968, 2012.
30. VINOD K. SHARMA, et al., Sustainability Assessment of Biomass Energy Utilisation Suitable for Small and Large Scale Initiatives in East Asian Countries, International Journal for Sustainable Innovations (ISSN: 2231-3664), Vol 2. No. 1, 2012.
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33. VINOD K. SHARMA: Guest Column paper on “Importance of Source Apportionment Modeling in Air Pollution Abatement Policy (ISSN: 1618-954X), Clean Technologies and Environmental Policy, Springer, December, 2009 **(Q1)**.
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38. VINOD K. SHARMA and RITU BABEL: Eco-Friendly Packaging and Consumer Buying Behaviour: A Case Study of Mumbai, Journal of Advanced Science (2198-3844), Vol. 13, No.3, 2001.
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41. VINOD K. SHARMA: Development of Air Quality Indices for Mumbai, India, International Journal of Environment and Pollution (ISSN: 0957-4352), Vol. 11, No.2, 141-146, 1999.
42. VINOD K. SHARMA: GAPS IN ENVIRONMENTAL POLICY: A Focus on General and Air Pollution Problems, Environmental Policy and Law (ISSC: 0378-777X), Vol. 28, No.2, 90-96, 1998.

43. VINOD K. SHARMA, UPAL GHOSH and G. S. HARIPRIYA: Economic Analysis and Ecological Impacts of Fish and Shellfish Industry in India, ENCOLOGY (0970-177X), Vol. 11, No. 10, 1997.
44. VINOD K. SHARMA, PEITER VAN BEUKERING AND BARNALI NAG: Environmental and Economic Policy Analysis of Waste Paper Trade and Recycling in India, Resources, Conservation and Recycling (ISSN:- 0921-3449), Elsevier, Vol. 21 No. 1, 55-70, 1997 **(Q1)**.
45. V. K. SHARMA: Environmental Issues and Economic Development in India: Challenges for Civil Engineers, Journal of Global Environmental Engineering (ISSN: 13411268), the Japan Society of Civil Engineers, Vol. 2, 1-8, 1996 (Invited Paper).
46. PIYUSH TIWARI, JYOTI K. PARIKH AND VINOD K. SHARMA: Performance Evaluation of Cost Effective Buildings: A Cost, Emissions and Employment Point of View, Building and Environment (0360-1323), Vol.31, No.1, 75-90, 1996.
47. JYOTI PARIKH AND V. K. SHARMA: Economic and Policy Analysis of Trade and Environment Linkages in India, Journal of Indian Association for Environmental Management (ISSN:- 0970-8480), Vol. 23, No. 2, June, 1996.
48. V. K. SHARMA: Wastepaper Recycling: Trade, Environmental and Socio-Economic Aspects, ENCOLOGY (0970-177X), Vol.10, No. 9, Feb. 1996.
49. V. K. SHARMA AND R.S. PATIL: Factor Model Applied to Water Soluble Components of Precipitation Samples. Indian Journal of Environmental Health, Vol. 36, No. 2, 1995.
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51. V.K. SHARMA AND R.S.PATIL: Chemical Mass Balance Model for Source Apportionment of Aerosols. Environmental Monitoring and Assessment, Vol.29, No.1, 75-88, 1994.
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55. V. K. SHARMA AND R.S. PATIL: *In Situ* Measurements of Spatial and Temporal Variation of Atmospheric Aerosols in Bombay. Journal of Aerosol Science (ISSN: 0021-8502), Elsevier, Vol. 22, No. 4, 501-507, 1991 **(Q1)**.
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(III) CONFERENCE PROCEEDINGS EDITED: (National- 1; International-8)

57. VINOD K. SHARMA (Editor): Proceedings of the International Symposium on a Sustainable Future-2016, (ISSF-2016), IGIDR, February, 2016.
58. VINOD K. SHARMA (Editor): International Symposium on a Sustainable Future-2013, (ISSF-2013), Proceedings of ISSF-2013, IGIDR, October, 2013.

59. VINOD K. SHARMA (Editor): International Symposium on a Sustainable Future-2012, (ISSF-2012), Proceedings of ISSF-2012, IGIDR, 2012.
60. VINOD K. SHARMA (Editor): International Symposium on a Sustainable Future-2010, (ISSF-2010), Proceedings of ISSF-2010, IGIDR, January, 2010.
61. VINOD K. SHARMA and O. MALYAROV (Editors): "Institutional Reforms and Development Units in Transitional Economy" Proceedings of Indo-Russian Seminar of Russian Academy of Sciences, ICSSR and IGIDR, 2007.
62. VINOD K. SHARMA(Editor): ECOBALANCE AND LIFE CYCLE ASSESSMENT IN INDIA, Proceedings of International Conference, AIST and APO, Japan, MoEF and IDBI, India, Feb, 2002.
63. V. K. SHARMA, A. BHATANAGR, S. PHADKE AND B. DASGUPTA (Editors): Proceedings of Refresher Course on Topics of Environment, Ergonomics, Consumer Services and Computer Aided Design, for University Teachers from all over India, sponsored by the University Grants Commission, SNDT Women University, December 1-24, 1998
64. VINOD K. SHARMA(Editor): Proceedings of the Seminar on "COASTAL CITIES OF INDIA: Responding to Environmental and Socio-economic Issues of Concern," sponsored by the International Federation of Institutes for Advanced Study and International Development Research Centre, CANADA, organized at IGIDR, Mumbai, July, 1997.
65. JYOTI PARIKH AND VINOD K. SHARMA (Editors): "Environmental Database of Indian Economy", Proceedings of National Workshop on sponsored by the UNDP, The Indian Econometric Society, and the Ministry of Environment and Forests, IGIDR, Mumbai, October 15-16, 1997.

(IV) RESEARCH REPORTS AUTHORED / EDITED: (National- 5; International-11)

66. VINOD K. SHARMA (Author): Integrated Assessment of Air Quality in Delhi," for Tata Motors Limited, A Leading Blue Chip Company from the House of Tatas, India, Sept., 2005 – March, 2007.
67. VINOD K. SHARMA (Author): Report on "Review of EIA of Swan River Flood Management and Integrated Land Development Project in Himachal Pradesh (H.P.) India" for Japan Bank for International Cooperation (JBIC), April-May, 2005.
68. VINOD K. SHARMA (Lead Author) and YASHPAL SINGH: Report on "Mid Term Evaluation of Pollution Prevention and Waste Minimizations of Small Scale Industries in Kolkata Metropolis Area", for India Canada Environment Facility (ICEF), February-March, 2005.
69. VINOD K. SHARMA (Editor): State of Infrastructure in Maharashtra, prepared as an input to Chapter on "Infrastructure Development" of MSDR, 2004.
70. VINOD K. SHARMA (Editor): Urbanization Scenario in Maharashtra prepared as an input to Chapter on "Urbanization" of MSDR, 2004.
71. VINOD K. SHARMA (Lead Author), YASHPAL SINGH, SUDHANSHU SINHA AND PPS GOSAIN: Environment Education and Capacity Building for Promoting Nature Conservation and Environmental Protection, for India Canada Environment Facility and World Wide Fund for Nature, India, August, 2002.
72. V. K. SHARMA (Author): Development of Climate Change Impact Model For India (Water Resources Sector), Report submitted to the National Institute for Environmental Studies, Japan Environment Agency, Japan, March, 1998.
73. JYOTI K. PARIKH AND VINOD K. SHARMA (Co-author): Environmental Database Of Indian Economy, sponsored by the UNDP's Capacity 21 Project, Ministry of Environment and Forest, India and The Indian Econometric Society, Mumbai, Oct., 1997.

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78. V. K. SHARMA (Author): International Trade And Recycling Of Waste Paper: Environmental and Socio-Economic Aspects in India, Report prepared at the World Bank and submitted to the Asia Foundation, under Environmental Fellowship Programme of US-AEP, January, 1995.
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80. KIRIT PARIKH, JYOTI PARIKH, V. K. SHARMA AND J. P. PAINULY: NATURAL RESOURCE ACCOUNTING: A Framework for India, For Ministry of Environment, Govt. Of India and UNDP, Nov., 1993.
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(V) PAPERS IN CONFERENCE PROCEEDINGS / PRESENTATIONS: (Total = 72; National- 14; International-58)

82. VINOD K. SHARMA and SANGEETA SHARMA: Invited Presentation “LEVERAGING THEORETICAL CHEMISTRY FOR ENVIRONMENTAL MANAGEMENT: Integrating Field Investigations, Laboratory Analysis and Policy Formulation at National Symposium on “Project based learning: NEP’s Vision to Experiential Advanced learning,” Organized by Department of Chemistry, Chaudhary Charan Singh University, Meerut, March 26, 2025.
83. VINOD K. SHARMA: Some Perspectives on India’s Planning for Sustainable Energy, Environment and Development, Seminar delivered on the World Environment Day, at the School of Business and Law, University of Huddersfield, UK, June 05, 2024.
84. VINOD K. SHARMA and SANGEETA SHARMA: State of India’s Environmental, Social and Governance Framework and its Impact, UNESCAP-ISETS International Conference, Bangkok, October 15-19, 2023.
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86. VINOD K. SHARMA: : INDIA’S OPTIONS FOR SUSTAINABLE ENERGY FOR ALL: An Analysis of Trade Off between Socio-Economic and Environmental Goals, presented at “Science, Technology,

Engineering and Management for Sustainable Development of Society (STEM-SDS)," Organized by Vidya College of Engineering, Vidya Knowledge Park, Meerut, India, November 23-24, 2018

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90. VINOD K. SHARMA AND SANGEETA SHARMA: Impact of Local and Global Environmental Problems on Livelihoods of Coastal Communities in India, presented by Vinod K. Sharma, as invited speaker in the Plenary Session on "Cross cutting issues, " in an International Conference on Biodiversity, Climate Change Assessment and Impacts in Livelihood, Organized by University of Kathmandu and CUNY (USA), Kathmandu Nepal, 10-12 January, 2017.
91. VINOD K. SHARMA AND SANGEETA SHARMA: INDIAN PHILOSOPHY AND PRESENT PERSPECTIVES ON SUSTAINABLE DEVELOPMENT, invited paper for presentation at the International Workshop on " Practice for More Effective Implementation of Higher Education for Sustainability in Asia," held at the Nanyang Executive Center (NEC), Nanyang Technological University (NTU), Singapore, April 21-22, 2016.
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93. SANGEETA SHARMA and VINOD K. SHARMA: CONTRIBUTION OF ENVIRONMENTAL RESEARCH IN COMMUNITY BUILDING: A Case Study on Household Solid Waste Management in Mumbai, India, Proceedings of the International Workshop on "Post-Secondary Education for Sustainability in Asia: Curricula, Case Studies and Community-Building", organized by Nanyang Technological University, Singapore, January 31-February 02, 2015.
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97. VINOD K. SHARMA: Review of Some Case Studies on RE and their Impact in India, Presented at AIST-ERIA WG Meeting, on "Feasibility Study on the Best Mix of Renewable and Conventional Energy Sources Sustainable for various Asian Communities," Bangkok, May 26-27, 2014.

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99. SANGEETA V. SHARMA AND VINOD K. SHARMA: Involvement of Sustainability Aspects in Education System in India, Conference Proceedings for the workshop on "Sustainability in Education: Pedagogical Themes and Practices in Asian Countries," School of Humanities and Social Sciences, Nanyang Technological University, Singapore, February 27 -28, 2014.
100. SANGEETA V. SHARMA AND VINOD K. SHARMA: Energy Trade Practices in India: Review of Tariff and Non-Tariff Barriers in Relation to the ASEAN, Presented by Sangeeta at the meeting, First Working Group Meeting of "Energy Market Integration," ERIA, Jakarta, 02-03 February 2014.
101. VINOD K. SHARMA: Invited as Group Leader and speaker at the Asian Regional Workshop on Life Cycle Cost Assessment of Infrastructure Projects. Also presented a discussion paper on "Life Cycle Approach for Development Projects in India," UNU-FLORES and TERI University, New Delhi, December 18-19, 2013.
102. VINOD K. SHARMA: Invited to present a paper on "Social Welfare and Environmental Security through Promotion of Sustainable Energy" during an international Joint Seminar of the NRCT-ICSSR on Sustainable Development Issues, Bangkok, Thailand, August 23-28, 2013.
103. VINOD K. SHARMA: Invited to Present a Country Report on "SOME EVIDENCES OF COMMUNITY DEVELOPMENT FROM BIO-REFINERY VENTURES IN INDIA." At the Tenth Asia Biomass Workshop, organized by TISTR, Thailand, AIST and New Energy Foundation, Japan, Bangkok, August 03-07, 2013.
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CHILDREN: Blessed with two Sons

ATTRIBUTES: Professor Vinod Kumar Sharma embodies unwavering integrity, honesty, and transparency, complemented by a strong sense of punctuality and reliability. With a relentless pursuit of success, he navigates challenges with precision and determination, consistently achieving excellence in every endeavor.