

DR.SATYENDRA KUMAR

A seasoned Indian civil servant having 17 years of experience with expertise in sustainable development, environmental policies and environmental management, including management of projects/programs, related to chemicals and waste, air pollution, circular economy, resource efficiency, climate change, biodiversity, Article 6 of Paris Agreement. Skilled at coordinating with national and international stakeholders, including UN agencies, GEF,G-20, BRICS, SCO. Contributor to the development of national environmental policies and regulations including through integration of circular economy and resource efficiency for sustainable industrial development.

WORK EXPERIENCE

Ministry of Environment, Forest & Climate Change (MoEF&CC), Govt. of India Feb 2020 - Present

Director: Chemicals and Waste Management, Circular Economy and Art 6 of The Paris Agreement/Climate Change, Green Credits Program, Ecolabelling and Biosafety

Role:

- Providing technical assistance as well as administrative support in matters relating to National Designated Authority for the Implementation of Art 6 of the Paris Agreement (NDAIAPA) of India
- Holding the position of Member Secretary for the sub-committee within the National Designated Authority of India, focusing on the implementation of Article 6 of the Paris Agreement.
- Involved and contributed to policy development on solid waste, plastic waste, battery waste, end of life vehicles, fly ash and ship dismantling
- Serve as the negotiator, in bilateral discussions for forging memorandums of cooperation with interested Parties as stipulated, under Article 6.2 of the Paris Agreement as well as under various MEAs including that of climate change
- Involved in the matters related to the development of Indian Carbon Market for obligated entities under national regulations
- Deal with the matters relating to Kyoto Protocol, Clean Development Mechanism
- Prepared comprehensive action for elimination of identified single use plastic items & effective plastic waste management
- Instrumental in developing guidelines on Extended Producer Responsibility on plastic packaging
- Engaged with industry & its associations ensuring active role of all relevant stakeholders in formulation of policy regulations
- Coordinating implementation of Basel and Minamata Conventions as National Focal Point & Official Contact Point
- Overseeing monitoring & implementation of GEF UNIDO project 'Environmentally Sound Management and Final Disposal of PCBs in India' and GEF-UNIDO-UNEP project 'Development and promotion of non-POPs alternatives to DDT' as National Project Coordinator
- Convened high level meetings, workshops with active participation of all stakeholders
- Contributed to the design of PIF document for child project 'Operationalizing and implementing circular economy solutions to minimize plastic waste and reduce plastic pollution from Food & Beverage packaging' implemented by UNEP & UNIDO
- Coordinator/ convenor of Partnership for Action on Green Economy (PAGE), GACERE, IRP, 10YFP for sustainable consumption and production
- Coordinated the overall implementation of technical cooperation projects with Govts of Germany and Norway on marine plastic litter which includes formulation & design of activities under the projects
- Engagement & coordination with International Organizations viz. UNEP, UNDP, UNIDO, WHO and under various MEAs

- Facilitated the development of concept notes & draft papers for Green Credit Programme & Carbon Market

Ministry of Environment, Forest & Climate Change (MoEF&CC), Govt of India Feb 2019 – Nov 2020

Additional Project Director: Society of Integrated Coastal Management

Role:

- Responsible for conservation and sustainable development of coastal and marine ecosystems, pollution abatement, livelihood security of coastal communities, and environmental awareness
- Involved in the strategic planning and implementation of World Bank assisted ICZM in identified coastal stretches of Gujarat, Odisha, and West Bengal
- Designed and planned the World Bank assisted Enhancing Coastal and Ocean Resource Efficiency (ENCORE) Project of USD 800 million which was implemented in all 13 coastal States and Union Territories of India
- Promoted R&D and stakeholder participation in coastal management and checked violations of CRZ through technology and institutional reforms
- Engaged in the development of 100 sustainable beaches across the country and the formulation of National Coastal Mission under the National Action Plan on Climate Change
- Organized an international conference on ICZM with National Centre for Sustainable Coastal Management

Ministry of Environment, Forest & Climate Change (MoEF&CC), Govt of India Sep 2017–Dec 2020

Deputy Secretary: National Clean Air Program, Air Pollution, Control of Pollution, Climate Change

Role:

- Involved in policy matters related to prevention, control and abatement of air pollution, administration of The Air (Prevention and Control of Pollution) Act, 1981, and assistance to Prime Minister's Office and other committees for tackling air pollution in Delhi and NCR
- Diligently coordinated with concerned State Governments and Ministries on follow up/resolution of issues related to air pollution management in Delhi and NCR.
- Assisted Hon'ble Minister, EF&CC with inputs on parliamentary debates and questions on topics related to air pollution and coastal and marine ecosystems
- Assisted in the implementation of central sector schemes for the in-situ and ex-situ management of crop residue to prevent stubble burning and improve air quality
- Involved in the formulation and implementation of Comprehensive Action Plan (CAP) and National Clean Air Program (NCAP) for management of air quality across the country
- Member of various committees and task forces to examine the feasibility of retrofitting of diesel engines, new emissions norms for coal based thermal power plants, switch over of industries to clean fuels, installation of Online Continuous Emissions Monitoring System (OCEMS), augmentation of waste processing plants, launch of Air Quality Early Warning System, utilization of Environment Protection Charge Fund, and framing of National Green Aviation Policy
- Discharged responsibilities with regard to preparation for multilateral meetings on climate change including participation in UNFCCC- COP 23 and WHO South-East Asia Regional Meeting on Air Quality and Health
- Engaged in deliberations regarding formulation of FAME-II, NGUMS, and PM JI-VAN Scheme for promoting electric and hybrid vehicles, green urban mobility, and bioethanol projects
- Engaged with international agencies such as UNEP, World Bank, USAID, GIZ, AFD & Swiss Agency for Development and Cooperation and research institutions to identify the key areas and approaches for improving the air quality and reducing the health impacts of air pollution, combating plastic pollution and other environmental matters

Ministry of Home Affairs, Govt of India Dec 2007- Sep 2017

S.P. /A.S.P. (Govt of Rajasthan & Odisha)

Role:

- Maintained public peace and order including enforcement of socio-economic legislations
- Engaged greater participation of people in managing public affairs through Community Liaison Groups
- Improved policy and program implementation and service delivery as a member of district level committees
- Acted as First Appellate Authority under Right to Information Act, 2005
- Worked as Nodal Officer for Crime and Criminal Tracking and Networking System (CCTNS) project

Oil and Natural Gas Corporation Limited, Dehradun, Uttaranchal

Mar 2003-Sep 2003

Assistant Executive Engineer (Mechanical)

Role:

- Managed production operations of the company which included drilling of oil wells & understanding related environmental concerns
- Coordinated between senior management and field level workforce

National Thermal Power Corporation (NTPC), Dadri, Uttar Pradesh

Oct 2002-Mar 2003

Executive Trainee (Mechanical)

Role:

- Management of operations of the company
- Co-ordination between senior management and field level workforce

SIGNIFICANT ACHIEVEMENTS

- Organised the work on the 'Resource Efficiency and Circular Economy' theme in the first and second meetings of Environment and Climate Sustainability Working Group (ECSWG), under India's G20 Presidency
- Notification of ban on identified single use plastic items based on high littering potential & low utility in due consultation with relevant stakeholder especially industry and its associations
- Formulation & notification of regulations on Extended Producer Responsibility in respect of plastic packaging, waste battery, solar PV modules under e-waste, fly ash.
- Active involvement in negotiations for resolution on an international legally binding instrument on plastic pollution, at UNEA 5.2, leading to adoption of the resolution in March 2022
- Organization of 'India Plastic Challenge- Hackathon 2021' to encourage innovation in development of alternatives to identified banned single use plastic items and digital solutions to plastic waste management for students of Higher Educational Institutions (HEIs) and startups recognized under Startup India Initiative
- Preparation of Standing Finance Committee/Expenditure Finance Committee Memorandums for approval of budget related to Control of Pollution schemes
- Managed & implemented Integrated Coastal Zone Management (ICZM) activities (USD 180 million) in India in identified areas
- Designed and planned the proposed World Bank assisted Enhancing Coastal and Ocean Resource Efficiency (ENCORE) Project of USD 800 million
- Coordinated the work of High Level Task Force under Chairpersonship of Principal Secretary to Hon'ble Prime Minister of India for management of air pollution in NCR of Delhi in 2017
- Achievement of reduction of air pollution in Delhi, wherein the number of 'Good' to 'Moderate' days increased to 182 in 2019 in comparison to 159 days, 152 days and 108 days in 2018, 2017 and 2016 respectively
- Planned and managed National Clean Air Program with an outlay of USD 2.350 billion for 131 cities in 24 States/UTs. Contributed in the formulation of clean air city micro action plans & release of funds (USD 1.1 billion till 2022-23) for NCAP cities through Apex, Steering and Monitoring Committees chaired by Hon'ble Minister, Secretary and Additional Secretary, Environment, GoI respectively
- Expeditiously completed the work for the sustainable development of two beaches in Gujarat and Daman and Diu for Blue Flag certification and got the work expedited for the completion of sustainable development of 8 beaches in 2019-20
- Carried out extensive analysis and calculation of workable degraded land from the Desertification and Land Degradation Atlas
- Preparation of concept note for the envisaged national action plan for restoration of degraded land by 2030
- Contributed in the development of National Dashboard for elimination of identified single use plastic items & effective management of plastic waste, and of online portal for Extended Producer Responsibility on plastic packaging

PROFESSIONAL ENHANCEMENTS

- 5th edition of the Global Academy on the Green Economy (25.09.23-13.10.23) organized by ITCILO, Turin, Italy
- Negotiation Skills and Techniques, Drafting Skills and Multilateral Conference Diplomacy, and Capacity building through Peer Learning (13.09.23-15.09.23) organized by UNITAR
- Sustainable Waste Management and Smart Urbanisation (20.02.23-24.02.23) organized by Singapore Environment Institute, Singapore

- Training workshop on "Integrated Assessment of Air Pollution and GHG Mitigation in India using GAINS Model" (13.09.21–17.09.21) organized by TIFAC, India and IIASA, Austria
- Environmental Conservation and Sustainability (02.08.21–06.08.21) organized by National Environment Agency, Singapore
- 6th Temasek Foundation International Leaders in Economic Development Program (18.03.19-26.03.19) at Civil Service College, Singapore.
- Orientation Course for Deputy Secretaries/Directors (01.07.2019-03.07.2019) at ISTM, New Delhi.
- Building Competencies for Personal Excellence (07.01.2019-11.01.2019) at The Art of Living Foundation, Bengaluru, India.
- Inner Engineering Leadership Program (17.07.17 to 21.07.17) at Isha (Foundation) Yoga Centre, Coimbatore, India.
- Innovations in Public Service Delivery (06.02.17 to 10.02.17) conducted at Administrative Staff College of India at Hyderabad, India.
- Developing Leadership Excellence at Tata Management Training Centre, Pune, India (08.02.16 to 12.02.16).
- E-governance Champions Program- Chief Information Officer Training Program (19.08.13 to 14.09.13) at National Institute of Smart Governance, Hyderabad, India.

EDUCATION

- Doctor of Philosophy in "Integrating Sustainable Development Goals in Policy Making: Learnings from India's Integrated Coastal Zone Management Project" from Mohan Lal Sukhadia University, Rajasthan (2016-2021)
- Master of Arts in Public Administration from Indira Gandhi National Open University in 2014
- Master of Technology in Energy Studies from Indian Institute of Technology, Delhi in 2002
- Bachelor of Technology in Mechanical Engineering from National Institute of Technology, Kurukshetra in 2001
- HS Diploma from KK Mandal Science College in 1995
- HS Diploma from Jawahar Navodaya Vidyalaya in 1993

PUBLICATIONS

- Kumar, Satyendra; Suthar, C. R., (2022). "*Linkages of Sustainable Development Goals with Integrated Coastal Zone Management Project in India: An Approach to Enhance Efficacy*". Ecology, Environment and Conservation. 153-162. 10.53550/EEC.2022.v28i02s.026.
- Kumar, Satyendra; Suthar, C. R., (2021). "*Sustainable Development of Coastal and Marine Areas in India: the Integrated Coastal Zone Management Approach*". IJRAR - International Journal of Research and Analytical Reviews (IJRAR). 838-842. Volume 8 Issue 3.