

Curriculum Vitae & Professional Profile of Prof. Anil K. Gupta

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RESUME

- ❖ **Present Roles & Affiliation:** Full Professor (DRR and Climate Actions: Policy-Strategies & Capacities), PI, ICARS CoE of DST-GOI (Integrated Centre for Adaptation, Disaster Risk-Resilience & Sustainability) at IIT Roorkee Gr. Noida Campus (NCR), Senior ICIMOD Fellow – DRR, HKH DRR Knowledge Hub – India Focal Point.
- ❖ **Past employments:** Govt. of India - Ministry of Home Affairs NIDM, Bundelkhand University, BBA Central University, Govt. of MP, NMDC (PSU), CSIR-NEERI, CICON Ltd.
- ❖ **Experience:** Over 30 years' in diverse environments - In professional & administrative positions. Lead strategic roles in fields of DRR, Adaptation, Chemical-Industrial safety, Emergency response & Recovery, Sustainability, etc.
- ❖ **Qualifications:** M.Sc. MPhil, PhD. (Environment/Resources/EIA, Environmental Health), L.L.B. (Law), Post-Doc at CSIR-NEERI. PGD Industrial, Trained on Training Design & Management, Project Management & Evaluation, CCA-DRR DSS.
- ❖ **Teaching experience:** M.Tech, M.Sc. courses - Over 10 years. Training experience: International & National - Over 20 years.
- ❖ **Publications:** Over 190 including Books, Policy Papers, Journal papers, Manuals, Reports, Chapters, Popular articles).
- ❖ **Key Skills & Competencies:** (a) Policy-planning & Strategies, Project management, Strategic Planning, Institutional building, Administration & Management. (b) Training & Mentoring, Teaching, Research & Capacity Building, Knowledge Management.

CURRICULUM VITAE

Roles Held

Professor & HoD, Director of Projects, Director I/c of University Institute, Chief Technical Advisor, Senior Fellow, Principal Investigator, Programme Director, Nodal Officer, Superintendent, Chairperson, Convenor, Group Lead, Area Lead, Area Coordinator. Theme-Lead. Mentor/Guide, Scientist, Editor, Research Fellow.

Professional Skills & Competencies

- Policy-Planning and implementation/implementation support. International & national cooperation. Institutions, resources and experts networking.
- Training Management: Human resource capacity development including - Training strategic planning & management, Impact assessment. Conduct of trainings.
- Project – Proposal/design, Resource mobilization, Implementation, Assessment.
- Research – Planning/design & execution, Technical reports, Lessons based advocacy.
- Field studies – visits, consultations, data collection, and documentation.
- Knowledge management - Publications, Social & news media, IEC, Periodicals, Databases and Web-portals. Workshops, Conferences, Dialogues.
- Leadership – Team player, Motivator, Consortium organizer/leader.
- Vision-planning, Action plan for sector/domain/organization, Portfolio development.
- Administration/management including technical, finance, HR/hiring, law-making. Supervision & guidance.

Summary: Anil Gupta is internationally recognized DRR leader, including his focus on Climate Actions and sustainability. His competencies and skills include thought leadership - vision planning and execution, policy-planning & advocacy, communication, networking, resource mobilization, institutional development. He demonstrated excellent administrative, coordination and managerial abilities. Dr. Anil is an excellent team player, organizer and motivator, and implemented several projects & programmes with diverse partners including Government, international, corporate, NGOs and academia, etc.

www.linkedin.com/in/envirosafeanil/ www.researchgate.net/profile/Anil_Gupta15
www.facebook.com/anilkumar.gupta.92 <https://twitter.com/envirosafe2007>
<https://scholar.google.com/citations?user=hDIVB4AAAAAJ&hl=en&authuser=1>

Employment & Job Profile History

GOI-DST Integrated Centre for Adaptation, DRR and Sustainability (ICARS), IIT Roorkee – Gr. Noida Campus (NCR) – Present

- ✓ Full Professor (Policy-Planning & Capacity Building), DRR, Adaptation & Sustainability, Chemical Safety Risk Management, Health Resilience, EcoDRR/NBS. ICIMOD Senior Fellow – DRR.
- ✓ Network and Strategy Leader, Principal Investigator/Project Director, Guide & Supervisor.
- ✓ Management, Administration, Finance, International cooperation.

Govt. of India, Ministry of Home Affairs, National Institute of Disaster Management (NIDM), New Delhi, India, 2006 – Sept. 2024

- ✓ Leadership and administration, coordination [**Director of Projects, Head of Division**, Coordinator – International & National Cooperation, Advisory Services, Nodal Officer for Central Ministries (Since 2018, Head – Environment, Climate and Disaster Risk Management), Head - Division of Policy Planning (2012-2018), Head of Training (2011-12, 2017-18), Coordinator – Technical Advisory (since 2013)].
- ✓ Development and execution of Strategic Vision & Action Plan, Networking & Cooperation, Resource Mobilization. Consortium Lead. Projects, International cooperation, Policy & communication, Schemes and programmes.
- ✓ Provide professional expertise and guidance/mentorship (NIDM **Full Professor** of Policy-Planning & Strategy (at the level of Joint Secretary in Govt. of India, since 2019. **Associate Professor**, at the level of Dy Secretary in Govt. of India, since 2006 & Portfolio Lead of DM & DRR Planning, Impact Evaluation, Human Capacity Development, Resilience and Adaptation, Safety & Sustainability Strategies, Policy & law).
- ✓ Planning and implementing programmes/projects including externally funded, of Action research, Policy research, and Implementation pilots, Human capacity building - training or knowledge management, etc.
- ✓ Cooperation programme management including projects – funds, technical cooperation, flagship schemes, etc. with UN, iNGOs, networks, Corporate, Government, etc.
- ✓ Representing the country & organization internationally, and at national and other forums.
- ✓ Organizing large conferences, policy forum, Trainings at international, national and

regional/state levels.

- ✓ Developing and/or facilitating National, Sectoral and Regional Policy-plans, National Human Resource Capacity Development Plan, Strategies & innovations.
- ✓ Supporting States, Corporate, Civil society & local institutions. Capacity development, knowledge & system strengthening. Training Strategic planning, execution and Impact Evaluation.
- ✓ Guiding the drafting, and inputs to, making of Guidelines, Manuals, etc.
- ✓ Writing and guiding making of, and inputs to, Policy papers & briefs, Knowledge compendium, Edited and authored Books and Reports, Articles, and Chapters.
- ✓ Guide research programmes/projects, Research fellows and associates, Interns, faculty colleagues.
- ✓ Teaching & Training: Adaptation to Climate Change, Disaster Management, Chemical-Industrial Safety, Policy & Law, EIA, etc.

Bundelkhand University (Govt. of Uttar Pradesh), Jhansi, India, 2002-2006

- ✓ **Head of Departments** (P.G. Environment Sciences; Natural Resources Management), Director i/c, of Institute of Environment & Development Studies, **Reader (Associate Professor)** 2002-2006, including Coordinator/Lecturer till January 2003.
- ✓ Organization's Strategic vision & development planning, academic planning, Administration, Project management. Guided/supervised team of professionals, administrative & technical staff, and research fellows.
- ✓ Networking & cooperation with research institutes, Government agencies, Cooperation with Industry and NGOs.
- ✓ Mobilized & implemented externally funded projects & outreach programmes.
- ✓ Mobilized UGC Innovative & emerging-areas grant, Accreditation - assessment & recognition;
- ✓ Developed & launched new programmes, viz., M.Tech.-NRM, M.Phil., Master's in NRM, Environment Planning; Taught courses.
- ✓ Guided Ph.D. research treatise, PG research. Taught: Environment Policy & Management, Law, EIA, Disaster management, Natural resources management, etc.
- ✓ Developed technical reports, publications,
- ✓ Organized outreach, conferences, and workshops.

Other Previous Employments: 1994-2002

- ✓ **Pool Scientist (Senior Research Associate)** Environment & Disasters. **Council for Scientific & Industrial Research (CSIR)** at Central University Lucknow 1999-2002.
- ✓ **Environment Officer** (Industry EIA & Safety Risk Management). **CICON Environment Technologies Ltd. Bhopal**, 1998-99.
- ✓ **Assistant Director** (NORAD Support). **Disaster Management Institute, Govt. of MP**, Housing & Environment Dept., Bhopal, 1996-1998.
- ✓ **Jr. Manager** (Environment Engg.). **National Mineral Development Corporation**, Govt. of India, Hyderabad, 1996.
- ✓ **Senior Project Fellow** in Land-Environment Management & EIA. **CSIR-National Environment Engineering Research Institute (NEERI)**, Nagpur, 1994-96.

Educational Qualification & Training

- ✓ Post-Doc/SPF (Land Environment Management) 1994-96 at CSIR – NEERI Nagpur, India. L.L.B. Legislative 2001, Barkatullah University Bhopal, India.
- ✓ Ph.D. Environment/EIA 1994, M.Phil. Environmental-Health 1991, M.Sc. Environment/Resource Management 1990 APSU Rewa, India.
- ✓ PG Diploma (Management – Industrial) 1992 NIE Lucknow, India.
- ✓ Trainings: DSS for CCA & DRR (Potsdam University Germany), Risk Sensitive Land-use Planning (World Bank Institute), Risk Assessment (World Bank Institute), Mine Environment (Ecole Des Mines D'ales France),
- ✓ Project Formulation & Appraisal (ISTM, DOPT-GOI), Management of Training, Management of Trainer's Training (Thames Valley University UK modules, at ISTM, DOPT-GOI).

Areas of Work/Interest

TEACHING

Policy Instruments & Strategic Management

(Disaster Management and DRR, Climate change Adaptation and Resilience, Green Growth, Industrial-chemical Safety and Risk Mitigation, Risk Analysis, Planning, EIA, Law, Crisis Management – Emergency Response, Relief, Rehabilitation and Recovery, etc).

RESEARCH

Policy oriented research, Action research, Knowledge integration, Strategic Planning including Implementation Pilots & Prototype development and scaling.

(Disaster Mitigation, Emergency Response and Recovery, Climate Action, Adaptation, Sustainability, Hazard-Risk-Vulnerability-Capacity, Risk Analysis, Mapping, Loss & Damage, Gaps & Needs Analysis, EIA, Auditing, CAN & TNA, HR Planning, etc.)

Other Relevant Information

Publication and Documentation

Over 180, including books, reports, manuals, compendium, articles, policy papers, etc.

https://www.researchgate.net/profile/Anil_Gupta15

<https://scholar.google.co.in/citations?user=hDIVB4AAAAAJ&hl=en>

Personal

Born on 29th July 1970. Male, Married.

Present Office Address: National Institute of Disaster Management (Ministry of Home Affairs), Sector 29 Rohini, Delhi – 110042, India, Email: envirosafe2007@gmail.com

Further details in Annexures (i - v).

- Major Projects & Assignments,
- Major Achievements & Strategic Contributions,
- Administrative/Managerial Roles,
- Other relevant details,
- List of Selected Publications.

Annexure (i) MAJOR PROJECTS & ASSIGNMENTS

As Director of Project/ Principal Investigator/ Coordinator/ Chief Technical Advisor

- ✓ AdaptDMIR Preparation and Implementation Support for National Adaptation Plan of India – Disaster Management and Infrastructure Resilience (MoEFCC, UNDP, NDMA), 2025-27.
- ✓ Preparation of State Disaster Management Plan (Agriculture Sector), Govt. of UP, 2025-26. Uttar Pradesh State Disaster Management Authority.
- ✓ HighCAP Climate Change Adaptation & DRR strategies including Guidelines and Codes for National Highways sector (MoRTH, Govt. of India/ World Bank funded, involving 4 IITs & DTU) 2024-26.
- ✓ Integrated Centre for Adaptation to climate change, Disaster Risk-Resilience and Sustainability (ICARS) at IIT Roorkee at Gr. Noida campus (2024-29), as CAPP-RES, phase 2 of CAP-RES (DST project) at NIDM.
- ✓ Centre for Disaster & Health (CDH- Phase 2) COE on Health Adaptation Plan implementation under National Programme on Climate Change and Human Health (NPCCHH), MoHFW (2024-26).
- ✓ Chemical Safety Emergency Preparedness Capacity Building Programme (2024-26). Dept. of Chemicals & Petrochemicals (MoCF, GOI). In process.
- ✓ Development of National Disaster Management Plan including Climate Change Adaptation for Food Corporation of India FCI / Food & PD Sector (NFPS-DMP), funded by Ministry of FPD (2023-24).
- ✓ Climate Adaptive Planning for Resilience and Sustainability in Multi-hazard Settings (CAP-RES), as part of National Knowledge Mission on Climate Change. Funded by DST-Govt. of India (2018-23).
- ✓ Review and Assessment of Disaster Management Activities by Reliance Foundation, under CSR, Reliance Foundation/Reliance Industries Ltd. (2023)
- ✓ Development of National AYUSH Disaster Management Plan (NAYush-DMP), funded by MoAyush-GOI (2022-23).
- ✓ 1st Adaptation Communication (of India) to UNFCCC by MoEFCC (Anchored for DRR sector). (2022).
- ✓ Disaster Damages and Losses: Study of Underlying Causes: Case Study on Cyclone Tautae and Yaas, in 4 states. Institutional study (2021-22).
- ✓ Institutional Mechanism for Evaluating Human Deaths from Disasters. Institutional study/Policy research. (2021-22).
- ✓ Multi-hazard Disaster Risk and Resilience Practical Learning and Step-by-Step Guide to Improve Urban Disaster Resilience at City Levels. Jointly with IIT Indore. (2021-23).
- ✓ Development of National Environment, Forests and Climate Disaster Management Plan (NEFC-DMP), funded by MOEFCC (2021-22).
- ✓ Mapping Climatic and Biological Disaster Risks in India for Strengthening Resilience. Funded by GIZ Germany with OHS-MCS (2021-22).
- ✓ Development of National Chemical and Petrochemicals Disaster Management Plan (NCP-DMP), funded by MOCF (2021-22).

- ✓ Health Resilience and Capacity Building (HER-CAP) funded by WHO India (2019-21).
- ✓ Crisis Management Plan to Deal with Contamination of Water Bodies (CMP-WB) funded by CPCB/MOEFCC (2020-21).
- ✓ Development of National Agriculture Disaster Management Plan (NADMP) funded by MOAG&FW (2019-20).
- ✓ Knowledge based edited volume on Climate change and disaster risk management (MOEFCC) 2019-20.
- ✓ Capacity toolkit for Integrating Climate Resilience into DM Training Programmes and Case Study Compendium (Oxford Policy Management) 2018.
- ✓ Drafting of the National DM Plan (NDMP) for the National Executive Committee on DM Chaired by Union Home Secretary, 2013, Project Coordinator.
- ✓ Impact Evaluation of NIDM's Training Programmes (with TERI), 2013-14.
- ✓ Drought Risk - Vulnerability Assessment and Mitigation Analysis for Bundelkhand Region, funded by ICSSR (2011-13).
- ✓ ekDRM, Indo-German Cooperation, funded by Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ) Germany 2010-2014.
- ✓ Urban Flood Case Studies Project: Coordinated national project covering 08 major cities in India (NIDM funded), 2006-2009.
- ✓ Land-use & Land Resources Management (National Consultation for Perspective Planning, w.r.t drought, and Bundelkhand) Govt. of Uttar Pradesh, Planning Board funded 2005.
- ✓ Air Quality Monitoring Station, Jhansi (under National Ambient Air Quality Network), 2005-6...., CPCB/SPCB.

Coordinator - Major Cooperation Programmes

- ✓ Upscaling Ecosystem Based Approaches (2021-22, Joint work plan with UNEP Geneva), following the technical cooperation with UNEP on Ecosystem Approach to DRR (ecoDRR) promotion in India and the region since 2010.
- ✓ Responsible Care Promotion in Industry and Businesses for Safety, Disaster Resilience and Adaptation. With FICCI & CIDM. 2020-22. Programme Lead.
- ✓ Strengthening Disaster Management Institute Bhopal, 1996-98 (Supported by NORAD).

As Co- Principal Investigator Or Theme Lead /Area Leader

- ✓ Corporate Social Responsibility interventions in disaster response and resilience – Study of Reliance Foundation's role and lessons (Review/Documentation study, 2023).
- ✓ Peri-urban Ecosystems and Urban Climate Resilience: Addressing Knowledge and Capacity Gaps. Jointly with GEAG (funded by CDKN, 2020-21).
- ✓ Up-scaling Climate Smart Disaster Risk Management at Sub-national and Urban Body context (Odisha and Uttarakhand), funded by CDKN, with ISET USA, GEAG, 2015-16.
- ✓ Climate Resilience Flood Risk Management in Eastern Uttar Pradesh – Study of Gorakhpur (CDKN-START), with ISET USA and GEAG (2012-14).
- ✓ Integrating Climate-change adaptation with Disaster Management Planning – Tamil Nadu and Andhra Pradesh, European Commission (EU) funded, with GIZ (2012-13).
- ✓ Guidelines/Tools and Modules on Mainstreaming DRR and Long-term Recovery (UNDP-DRR project 2011-13).

- ✓ Climate Resilient Development & Adaptation, GEF-FSP (UNDP funded) with MoEF, TERI, Winrock International. 2007-2008.
- ✓ Govt. of India Central Sector Scheme on Disaster Management Capacity Building (for States of Gujarat and Arunachal Pradesh 2006-2012).
- ✓ Disaster Management Plan for Noida (Environment; Chemical-industrial hazards. Funded by Noida Authority) 2007-08.
- ✓ Status of Solid Waste Disposal in Uttar Pradesh (research project funded by Ministry of Environment & Forests, Govt. of India) 2002-03.
- ✓ Trainings on Natural Disaster Management (funded by Ministry of Agriculture, NORAD, State Govt.), Chemical disasters (Ministry of Environment& Forests, the World Bank). 1996-98.

As Core Team Member

- ✓ Developed Himalayan Environment Disaster Risk Reduction Capacity Building Programme (HIMCAP) for ICIMOD, 2008.
- ✓ Comprehensive Risk Assessment of LPG Bottling Unit of IOCL (Balmer Lawrie Project)
- ✓ EIA of ACC Kymore Plant and ACC Mining (Cement Factory) 1998-99.
- ✓ Suitability of Landfill for Flyash Dumping, HEG Ltd Durg (Sponge Iron Plant) 1998-99.
- ✓ EIA incl. Disaster Management Plan for Nicolas Piramal (India) Ltd., Ujjain 1998-99
- ✓ EIA including Disaster Management Plan for Eternit Everest Ltd., Kymore 1998-99
- ✓ EIA of LG-Hotline Industries (Colour Picture Tube) at Malanpur, MP 1998-99.
- ✓ India's First State level Environment Policy (of Madhya Pradesh) 1997-98, and First State of Environment Report (SOE, MP), 1997-98, and Awareness Programme Charters of Regional Museum of Natural History, Bhopal.
- ✓ Computer Simulation Modeling of Greenhouse Effect (Deptt. of Ocean Development) 1994-96.
- ✓ Carrying Capacity Based Developmental Planning for Doon Valley Region and National Capital Region (MoEF GoI Project) 1994-96.
- ✓ Quantification of Ecosystem-Health and Preparation of Environment Management Plan for 08 Hilly Districts of Uttarakhand (Govt. of UP Project) 1995-96.
- ✓ Community Interaction Studies for Ecological Green-Belt Design & Impact Analysis (NEERI Project) 1994-96.
- ✓ Calibration-Validation of Mathematical Models Used in EIA at Select Industries (MoEF) (i) National Fertilizers Ltd. Vijaipur, MP, (ii) Reliance Petrochemicals, Hazira, Gujarat 1994-96.
- ✓ REACT (Regional Environment Action Centred Task), DoEN/MoEF at APS University, Rewa, India. 1991-94. Member – Information & Communication.

Other important assignments

- ✓ Anchoring Nodal Officer – National Adaptation Plan development (MoEFCC, 2024-25).
- ✓ Anchoring Nodal Officer- National Adaptation Communication - DRR to UNFCCC. 2022.
- ✓ Member – National Climate Smart Cities Assessment Framework, NIUA, since 2019.
- ✓ Expert Member – Adaptation Codes/Standards. BIS 2019-22.
- ✓ National Human Resource Plan for Disaster Management and Risk Reduction, as

mandated under the Disaster Management Act 2005 (2011-12).

- ✓ Consultation for National Action Plan for Chemical (Industrial) Disaster Management (Ministry of Environment & Forests, GoI). 2008.
- ✓ Technical Advisory Member - Making of National Heat Wave Management Action Plan (TARU Leading Edge, Climate Development Knowledge Network) 2016.
- ✓ Member, Special Committee on Disaster Studies at Jawaharlal Nehru University, constituted by the VC, 2018-21.
- ✓ Expert - Evaluation of Implementation and Impact of District Disaster Management Plan of Gorakhpur (CDKN, ISET) 2016.
- ✓ Member of Govt. of India delegation (led by Hon'ble MOS-Home) to 6th Asian Ministerial Conference on DRR, Bangkok 2014 June, Drafting HFA-2 inputs and Bangkok declaration on DRR in Asia-Pacific, organised special Policy Dialogue during AMCDRR in Bangkok, in collaboration with UNEP;
- ✓ Nodal Member on Drought (on behalf of Ministry of Home Affairs/NIDM) in MoEFCC Coordination Committee for National Reporting to UN Convention on Desertification;
- ✓ Evaluation of Projects/Entries for Prime Minister's Civil Services Award for Excellence in Public Administration to Government Departments / Officials 2013-14 (Ministry of Personnel & Grievances, India);
- ✓ Expert Member of Committee for guiding the Training Need Analysis for integrating DRR into development plans/schemes and other activities/sectors at State levels (Tripura State Government and UNDP) 2014.
- ✓ Member, Expert Committee for Development of Curriculum on Disaster Management, University Grants Commission of India, 2010-11.
- ✓ Development of India Disaster Knowledge Network (Web-portal) 2009 (under SAARC Disaster Knowledge Network - SDKN).
- ✓ Organized India Disaster Management Congress (IDMC 2006), 2nd IDMC 2009, National Platform for DRR 2012, all three large conferences Inaugurated by Hon'ble Prime Minister, East Asia Summit-ASEM Meetings Conference 2012, 2014, etc.
- ✓ Technical Review of 'Role of Policy in Influencing Local Responses to Too Much and Too Little Water in HKH Region', ICIMOD, Kathmandu, 2011;
- ✓ Strategy Document on "Adaptation and DRR" under Climate-change Adaptation in Rural Areas and India – Published by GIZ Germany & MoEF New Delhi, 2011.
- ✓ Drafting Sub-Committee Member - National Strategy on Climate-change (under Planning Commission) 2007, led to National Action Plan on Climate Change.

Annexure (ii) MAJOR ACHIEVEMENTS /STRATEGIC CONTRIBUTIONS

Policy Planning, Advocacy & Strategic Implementation

- ✓ Anchored National Adaptation Communication to and BUR on climate change (including DRR & Resilient Infrastructure) to UNFCCC with multi-Ministry/Sectoral coordination, and as follow up the drafting of National Adaptation Plan (DRR). Approach paper on Prime Minister's 10 Point Agenda on DRM, fostering its implementation, through an illustrative and strategic processes and Sectoral Planning. National Communication to UNCCD, Drafting inputs/review of HFA-2 input document of Asia-Pacific, Bangkok declaration (6th AMCDRR), Inputs towards drafting of Sendai Framework. East Asia Summit EAS-ASEM Outcome document, Sendai monitoring framework, etc. Contributed to making of first-ever State environmental policy (Madhya Pradesh), and other national policy/ regulations on resilience, environment, and safety/DRR issues.
- ✓ Implementing project on Climate Adaptive Planning for Resilience and Sustainability (CAP-RES, under National Knowledge Mission on Climate Change/DST-GOI, themes – resilient agriculture, resilient health, green growth for DRR, carbon neutrality in relief & recovery, policy instruments in CCA-DRR). Process Framework for Climate Resilient and Disaster Safe Development (Synergizing Paris Climate Agreement and SDGs with Sendai Framework of DRR, for Sub-national & Urban Contexts); Mainstreaming CCA - DRR into planning at Sub-national and district/local levels and scaling up; Inputs/as Member to drafting of Adaptation Standards (BIS). Climate resilient development and adaptation through regional strategies (GEF/UNDP). Supported making of State Action Plans on Climate Change (SAPCC), needs assessments and implementation. Climate Resilient Smart City Assessment Framework (MoHUA/NIUA). Member of the Drafting Sub-committee on National Strategy on Climate Change, leading to the National Action Plan on Climate Change.
- ✓ National, Sectoral and disaster-specific planning: Developed National Disaster Management Plan (final draft for NEC, Govt. of India); Developed National Human Resource & Capacity Development Plan for DM & DRR. National Disaster Management Plan for Ministries/Sectors – Food & Public Distribution Sector (Food Corporation of India) NFPD-DMP, Ayush Sector (NAYush-DMP), Agriculture & Farmers Welfare sector (NADMP), Environment Forests & Climate change Sector (NEFC-DMP), Chemicals & Petrochemicals Sector (NCPC-DMP); National Health Adaptation Plan (NHAP, under NAPCC/Health Mission), Crisis Management Plan to Deal with Sudden Contamination of Water Bodies (CPCB), National Manual for Drought Management (MoAg) on directive of Hon'ble Supreme Court; Sectoral coordination guidelines for civil societies in humanitarian relief and preparedness (SPHERE). National action plan on chemical-industrial disaster risk management (MoEF). Project for Climate resilient infrastructure through pilots in 3 states of India (with GIZ, NABARD and MOEFCC under National Adaptation Fund project, in DPR state). Supporting Ministry of Road Transport & Highways for comprehensive HRVCA Climate Adaptation and DRR Policy & Guidelines, under Green Corridor Project supported by The World Bank.
- ✓ Concept & advocacy on: 2nd paradigm shift in disaster management – sustainability inclusive, prevention and mitigation oriented; Climate smart disaster risk management (CSDRM), Ecosystem approach to DRR (ecoDRR), adaptation (eBA) and nature based solutions (NBS) & Green-growth, resource efficiency; Role of environment laws; Indicator based system to risk/vulnerability analysis; Mitigation Analysis, Scorecard based approach to city risk/resilience; Role of EIA/SEA – integrating DRR and adaptation in project management cycle/decisions; Risk based land-use planning.

Integrating off-site emergency plans with DM plans, Peri-urban systems for urban resilience, Sectoral plans at national/Ministry levels, Loss & Damage, PDNA, etc. Adaptation Standards – development at BIS. Guidelines on institutional mechanism for disaster related death audit at States/districts.

International Cooperation

- ✓ Established/maintained partnership with wide ranging organizations including UN (like UNDP, UNEP, WHO, UNDRR, UNICEF, ESCAP, WFP, UNESCO, UNU), IUCN, GIZ Germany, inWent and GTZ, Ifanos C&P Germany, academic institutions (like Keio University, Kyoto University, IGES Japan, Potsdam University Germany, ITC & University of Twente Netherlands; ISET USA; Huddersfield University UK, York University Toronto, Charles Darwin University & ANU Australia, World Bank Institute Washington DC), other institutions (the World Bank, NORAD, Climate Development Knowledge Network CDKN UK; DFID, Rockefeller Foundations, EU, ICIMOD Kathmandu Nepal, SAARC etc.) for wider range of activities including research, capacity building and pilot projects in DRR, related CCA, environment, health, sustainability and safety issues.
- ✓ Organized capacity building programmes for officials of African countries, Asia-Pacific, SAARC nations, AARDO, EAS-Europe Summit Meetings, etc. Invited by World Water Forum(s) (France, Korea), Asia Pacific Adaptation Forum (Malaysia), UN-OCHA/UNEP Joint Environment Unit, UNESCO International Hydrology Programme (France), IUCN, UNDP, UNEP, UNU-EHS (at Germany), Italian Trade Commission, Climate Development Knowledge Network, GIZ (Germany), York University Canada, COMSTECH (Pakistan), IGES Japan, etc., to deliver talk /presentation, chair/ coordinate session, contribute to outcome drafting or negotiations.

Research & Development, Innovations & Field Work

- ✓ Undertook and guided researches related to policy processes and approaches, methodological frameworks including field works, mapping, consultations and policy analysis. Some are: Environmental risk mapping approach to disaster risk reduction in industrial areas (published in JCP, IF=9.8). Life cycle analysis approach to dealing with disaster wastes from solar PV cells (Published in RCR, IF=14.8). “Drought risk and vulnerability assessment and mitigation analysis for Bundelkhand region” (ICSSR funded). Drought risk assessment for different river basins of India (with IIT Indore, under DST project). Climatic and social aspects of Covid pandemic spread in India (with IIT Indore, published in Technological Forecasting & Social Change, IF=4.8), approaches in social prevention of Covid 19 (IJDRR, IF=4.5). Perception analysis of official stakeholders in CCA-DRR issues and implementation (Published in Emerald JDRBE). Loss and Damage (L&D) - Going beyond PDNA, Study of underlying causes - Analysis of 2 major cyclones in 4 states, towards localization of DRR agenda.
- ✓ Addressing loss & damage (underlying causes) through analysis of recent disasters. Approaches, pathways and entry points for integrating CCA-DRR and mainstreaming into planning at District levels and lessons for state level, Micro-level Vulnerability analysis for climatic disaster risk resilience in Sundarbans, Drought indices - review and comparative account (published in Journal D&D), Understanding natural hazard risk and resilience for disaster management plan for Zoo (published in IJDRR, IF=4.5).
- ✓ Process framework and techno-scientific and policy aspects for peri-urban systems in city resilience to climatic and disaster risks, Vulnerability of peri-urban children, poor children to impact of climate change (under UNICEF, Rockefeller, CDKN, GEAG cooperation). Climate and disaster risk resilience scoring at city level (jointly with IIT

Indore for prototype development - case of 4 major cities). Losses and Damages due to disasters: Study of underlying causes (jointly with Sphere India). Study on institutional mechanisms for disaster related death-audit framework.

- ✓ Mapping of climatic and biological disasters in India over different policy regimes (with GIZ Germany). Integration of nature based solutions and ecoDRR into district disaster management plans (with Wetland International). Study of urban floods – events, causes, failures and future strategies for 8 major cities. Flyash (power plant waste) utilization in agriculture and forestry. Industrial air pollution transport and impact assessment on health and vegetation.
- ✓ Steering the making of S&T and Innovation Policy Framework for India for DRR and CCA, integrated resilience framework, integration with research and technical educational systems at all levels (with DST-GOI).
- ✓ Field works; For documentation, situational, site observations, interventions, discussions, etc. (for e.g. Uttarakhand flood 2013, Train Tragedy Odisha 2021, Heatwave 2016), action research projects (e.g. district and state level – Odisha, UP, Uttarakhand, Village level – districts in AP and TN), Analytical & social research – Bundelkhand districts & villages, field visits, industrial visits, Mock drills, conducting training, study visits, etc.
- ✓ Guided research treatise including PhDs: in area of DRR, Adaptation, Resilience & sustainability, Policy planning & governance.

Knowledge Building & Dissemination

- ✓ Promotion of disaster related databases at various levels, and knowledge networks - India Disaster Knowledge Network IDKN, India Disaster Resource Network IDRN, Trainee Databases, Web-based Training Management Platform. India's 1st SOE (State of Environment Report ENVIS) of MP); Disaster Management in India (National referral book) 2022; Annual Reports, Journals, Blogs, Newsletters, IEC materials; Organized international/national & policy dialogues, conferences, workshops, India Disaster Management Congress, National Platform on DRR meetings. Climate and adaptation knowledge platform (CAD-Plat).
- ✓ Compendium(s) of Case Studies – Climate Change Adaptation Mainstreaming with DRR (ProACT/OPM), Ecosystem Approach to Adaptation & DRR (UNEP/PEDRR), Nature Based Solutions in Asia-Pacific (IUCN-CEM, Springer), Environment and Sustainability (CAP-RES, DST), Health Adaptation & Resilience to Climate Change and Disasters (WHO). Documentation of disasters, viz. Covid-19 Pandemic, Heat Wave 2015-2016, Uttarakhand flood disaster 2013, Gorakhpur Floods 2007, Bundelkhand Drought 2002-2011.
- ✓ Climate change –Adaptation and Disaster Resilience Network Programme for Knowledge and Capacities, under Consortium strategy.
- ✓ Publications >180 (Books, Compendium, Manuals, Articles, Research or Policy papers, Reports).

Teaching & Capacity Building

- ✓ Facilitated curriculum on disaster management under interdisciplinary and professional streams, and Climate change and sustainability studies, environment courses, in Universities/colleges under AICTE/UGC including at M.Tech/M.Phil., M.Sc./M.A., Ph.D. Capacity building programmes/series jointly with international agencies, Sectoral national institutes, State government, Corporate/FICCI, Institution of

Engineers, iNGO/NGOs, etc. Authored AICTE Model Textbook on Disaster Management being translated in 21 Indian languages.

- ✓ Courses (developed/guided/taught) at M.Tech/MSc.: Governance, Policy-planning and Tools. Climate change - Adaptation, Resilience and DRR. Disaster Management and Risk Reduction. Environmental Impact Assessment & Policy Instruments. Environmental Law & Policy. Industrial-chemical Safety and Disaster Management. Environment & Occupational-health, Ecosystem based Adaptation - ecoDRR and NBS. Resilient and Sustainable City Planning, Health and Agriculture Sectors. Sustainability & Green Growth in Disaster Management & Long-term Recovery. Ecology-ecosystems and Resources Management.
- ✓ Developed National Human Resource & Capacity Development Plan (NHRCDP) for Disaster Management. Developed Perspective Plan for strengthening and expansion of NIDM (Institute), in consultative / systemic process; Support/guidance to States for Gaps & Needs Assessment and developing training strategies. DPR for establishment & functioning of ecoDRR Centre at Chandrapur (Maharashtra). Supported institutions in India/region in establishing Centres or Programmes in DRR, Sustainability, Climate resilience and environment health issues.
- ✓ Developed and implemented national level training strategy and schemes for capacity building with Strategic Approach to Training – Module Based & Sector based programmes. Technology mediated learning: Online courses in collaboration with World Bank Institute & GFDRR on *Web-platform Moodle*, SATCOM (*Edu-sat*) courses with state institutes. Blended Learning Courses (with GIZ Germany) on *Global Campus GC-21*. MOOC programmes of UNEP/PEDRR. Developed 15 Comprehensive Training manuals (with modules, exercises and readings). Guidance/facilitation of training toolkits for integrating CCA into DRR programmes (OPML, ISET, CDKN, GEAG).
- ✓ International/national training: >600 courses including for Officials of African Countries, AARDO, SAARC, EAS, Asia-Pacific nations, with over 60000 participants.
- ✓ Guided research treatise including for PhDs: in area of DRR, Environment, natural resources, Adaptation, Resilience & sustainability, Policy planning & governance.

Annexure (iii) ADMINISTRATIVE & MANAGERIAL ROLES

- ✓ Developed Regulations and Procedures: Facilitation of Recruitment & Service Rules, Ordinances of Institute and Programmes, Memorandum of Association, Consultancy & Sponsored Research Rules & Manual, Career Advancement Scheme, Young Professionals Scheme, Bilateral & Multilateral MOUs, etc.
- ✓ Expansion & Strengthening of Institute: Planning & establishment of Southern Campus of NIDM at Vijaiwada (AP). Established Centre for Excellence on Climate Resilience under DST funded CAP-RES, Centre for Disaster and Health, at NIDM with support of MoH&FW, Integrated Centre for Adaptation Resilience & Sustainability (ICARS-IIT Roorkee GNEC with DST support).
- ✓ Implemented Central Sector Scheme on DRR for the states of Gujarat, Arunachal, Daman Diu & DNH.
- ✓ Founded the Institute of Environment & Development Studies at BU Jhansi, 2003 (as founder Head & Director i/c).
- ✓ Planning and execution: National Human Resource Capacity Building Plan of India for DRR, as per DM Act 2005, NIDM's Perspective Plan, etc. Coordinator of Technical Advisory Committee (Sub-committee of Governing Board), Academic Council. Infrastructure and Campus development - Technical committee for NIDM campuses – Delhi and development of Vijaywada campus.
- ✓ Managed & facilitated hiring process including screening, written tests, interviews, etc. for faculty, technical and administrative staff positions at University levels, Revival of (defreezing of abolished) faculty and non-teaching posts, etc. including as Chair / Member.
- ✓ Member of GB of Mangalore University SOSW, as UGC nominee, SAC Member - GB Pant National Institute Almora (MoEFCC), Research Board of Development Alternatives, Research Advisory Committee of ICFRE-TFRI (DG's nominee), Amity University, BOS of TERI-SAS, Academic Board of SPA Bhopal, Special Committee of JNU (for SCDR), etc.
- ✓ Convenor of Board of Studies (PG and UG), Convenor of Research Degree Committee, Controller of Examination, Examination Superintendent, at Bundelkhand University.
- ✓ Member/institute coordinator for UGC team visit for Grant, preparation for NAAC visit for accreditation & evaluation, etc. Chair for ISO certification process at NIDM.
- ✓ Developed and implemented "Young Professional Programme" scheme to strengthen HR capacity and academic & training endeavours and administration at NIDM.
- ✓ Performed DDO (Finance Officer) of NIDM, and Chaired purchase committees, Auction committees, Selection committees, etc. Held financial administration including budget, general and academic administration of Institute of Environment and Development Studies with 2 PG Departments (M.Tech & M.Sc.) and 1 UG programme at BU Jhansi.
- ✓ Project administration (Over 25 - including major projects, multi-institutional & consortium, nationally coordinated projects, international cooperation, consortium projects) and several other endeavours with administrative, HR and financial aspects, at Bundelkhand University, NIDM and DMI Bhopal. Training administration including logistics, planning, partnership and implementation.
- ✓ Supervised and guided human resources - Managed faculty, staff, consultants, collaborators and partner institution's teams, consortium groups, YPs, etc. at different levels, and teams, at institute, department, programme or project levels including performance monitoring and appraisal, etc. Managed multiple projects and diverse teams simultaneously and in coherence.

Annexure (iv) Other relevant details

Professional Recognition, Affiliations and Awards

- ✓ Member – Sikkim Commission on Glacial Hazards (SCGH), Govt. of Sikkim Department of S&T.
- ✓ Member – Delhi Government Wetland Authority.
- ✓ World Conference on Disaster Management (WCDM) – DRR Award (2024) for Disaster Preparedness, by Mr. Piyush Goyal, Union Minister for Commerce & Industry, India.
- ✓ UN-PEDRR Outstanding Contributions Award, 2023 under aegis of UNEP & UNU-EHS (for UNEP, UNCCD and UN-DRR).
- ✓ WMO Expert Team Member on Climate Statement.
- ✓ South Asia Core Group Member of Commission on Ecosystem Management – IUCN,
- ✓ Scientific Advisory Committee Member, GB Pant National Institute of Himalayan Environment, Almora (MoEFCC).
- ✓ Climate Smart City Assessment Framework (MoHUA, Govt of India/NIUA).
- ✓ Chief Editor, Springer Nature Book Series on Disaster Resilience & Green Growth.
- ✓ Member of Executive - Indian Society of Remote Sensing. Elected Fellow - Society of Earth Scientists. Elected Fellow - International Society of Environmental Botany. Vice-chair - Association of Environmental & Occupational Health. Secretary General – ASURED (Alliance of Sustainability, Resilience and DRR Professionals).
- ✓ Honorary Adjunct Professor of University of Ladakh, UT, of India.
- ✓ Member of Research/Academic Board, Governing Board & Thesis examiner - Development Alternatives (DA), JNU, School for Planning & Architecture, TERI School of Advanced Studies, IIT Kharagpur, GGSIPU, Mangalore University, etc.
- ✓ Offered Senior Technical Advisor (Band-5) role at Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ).
- ✓ Selected for Senior Fellow of IDRC Canada's Think Tank Initiative (TTI) on Policy Studies in DRR, at Institute of Economic Growth.
- ✓ Excellence Award, Indian Environmental & Occupational Health Society 2012,
- ✓ National Science Day Young Scientist Award, Govt. of Madhya Pradesh, India 1996.
- ✓ Member – Information & Communication, REACT, DoEN/MoEF Project, APSU, India.
- ✓ Joint Secretary, Environment Biology Society, APS University Rewa, India.

Editorial Contributions

- ✓ Chief Editor – Springer Nature Book Series on Disaster Resilience, Green Growth & Sustainability. Germany.
- ✓ Editorial Board Member of Journals: Disaster Resilience in the Built Environment (Emerald, UK); Disaster Prevention and Resilience (China), Environmental Sustainability; Anthropocene Science (Springer), Journal of Spatial Science (UGC-SAP

Osmania University), Earth Science Journal (Society for Earth Scientists), Disaster Advances; Journal of Applied Forest Ecology (JAFE), Journal of Hydraulics and Water Engineering, LARYSS Journal (of Science and engineering of water).

- ✓ Book Series: Advances in Earth Science (Society of Earth Scientists),
- ✓ Edited NIDM Journal 'Disaster & Development', Newsletter 'Tidings', Editor: En-Voice: CSIR-NEERI Magazine 1996, XII Annual Session of Academy of Environmental Biology at Rewa, India 1991, Chief Editor: Abhivyakti, CSM Hostel Magazine 1994 APSU Rewa.

Ph.D. Research Supervision

- ✓ Integrated resilience for water-risks in the mountain city areas: A study from Leh, Ladakh (ongoing)
- ✓ Land-use and impacts of Climate change – Study of Peri-urban areas in three cities – Gurugram, Dehradun and Chandigarh (ongoing).
- ✓ Climatic and water resources in urban villages of Delhi: Study of consequent health risk and effects on women (ongoing)
- ✓ Drought risk, vulnerability and adaptive strategies with reference to natural resources and social capital – A Study from Jharkhand (ongoing).
- ✓ Fire risk assessment of critical infrastructure buildings in Srinagar, J&K, towards urban resilience (ongoing).
- ✓ Consideration and gaps in addressing women's concerns & justice in policies of DRR in South Asia (ongoing).
- ✓ Climatic change impacts and strategies for adaptation and disaster resilience: Study of Almora District Uttarakhand in Indian Himalaya (2022).
- ✓ Micro-level vulnerability analysis for climatic disasters in Indian Sundarbans (2019).
- ✓ Drought risk and vulnerability under climate change in Bundelkhand region, India, and adaptation strategies for mitigation (2017).
- ✓ EIA as a tool in disaster management – Case analysis of floods in Gorakhpur region, Uttar Pradesh (2013).
- ✓ Role of secondary decomposers in waste management (2009).
- ✓ Hepatotoxicity and toxicokinetics of drugs under pesticide exposure in rats (2007).
- ✓ Ecosystem-health approach to wetland restoration (2008).

Annexure (v) LIST OF SELECTED PUBLICATIONS

(Books, Manuals & Modules, Knowledge/Case Study Compendium, Technical Reports & Plans, Research Reports & Monographs, Policy Papers & Thematic Papers, Papers in Journals, Chapters in Books & Conferences, Other Articles)

Books

1. Disaster Risk and Management under Climate Change. 2023. P380. Springer Nature, Singapore/Berlin. ISBN 978-981-99-4105-6 (Under MoEFCC-GOI advise)
<https://link.springer.com/book/9789819941049>
2. Ecosystem Restoration: Towards Sustainability and Resilient Development. 2023. P365. Springer Nature, Singapore/Berlin. ISBN 978-981-99-3686
<https://link.springer.com/book/10.1007/978-981-99-3687-8>
3. River, Sediment and Hydrological Extremes: Causes, Impacts and Management. 2023. P300. Springer Nature, Singapore/Berlin. ISBN 978-981-99-4811-6.
<https://link.springer.com/book/9789819948109>
4. Palgrave Handbook of Socio-ecological Resilience in the Face of Climate Change: Contexts from a Developing Country. 2023. P310. Springer Palgrave Macmillan, Berlin. ISBN 9789819922055. <https://www.amazon.com/Palgrave-Handbook-Socio-ecological-Resilience-Climate/dp/9819922054>
5. Climate Change and Environmental Impacts: Past, Present and Future Perspective. 2022. Springer, Tokyo. P348. Society of Earth Scientists Series. ISBN: 978-3-031-13119-6. <https://link.springer.com/book/10.1007/978-3-031-13119-6>
6. Hydro-Meteorological Extremes and Disasters. 2022. Springer Nature. Singapore/Berlin, Germany. P330. ISBN 978-981-19-0724-1.
<https://link.springer.com/book/10.1007/978-981-19-0725-8>
7. Extremes in Atmospheric Processes and Phenomenon: Assessment, Impacts and Mitigation. Springer Nature, Singapore/Berlin. 2022. ISBN 978-981-16-7727-4.
<https://link.springer.com/book/10.1007/978-981-16-7727-4>
8. Integrated Risk of Pandemic: Covid-19 Impacts, Resilience and Recommendations 2020. Springer Nature. Singapore/Berlin, Germany. 2020, P350 (ISBN 978-981-15-7678-2) <https://www.springer.com/gp/book/9789811576782>
9. Nature-based Solutions for Resilient Ecosystems and Societies (with IUCN-CEM), 2020, Springer Nature. Singapore/Berlin, Germany. 2020, P455. (ISBN 978-981-15-4712-6). <https://www.springer.com/gp/book/9789811547119>
10. Disaster Communication and Early Warning Systems (Foreword - Prof Jorn Birkmann, Univ. of Stuttgart, Germany), 2018, P326. Astral Intl. Publishers, Delhi. ISBN 978-93-5124-961-0. <https://www.amazon.in/Disaster-Communication-Early-Warning-Systems/dp/9351249611>
11. Land Use and Environmental Resources - Methods and Management (Foreword – DRR Chief of UNEP), 2016, Astral Publishing Delhi. ISBN 978-93-5124-089-1. P264. <https://www.abebooks.com/first-edition/Land-Use-Environmental-Resources-Methods-Management-Anil/17987424871/bd>
12. Disaster Risk and Impact Management: Eco-Hydrological & Strategies Issues (Foreword - Prof. R Shaw, Keio University Japan); 2018, P276, Astral Press, Delhi, ISBN 978-81-7035-852-7.
<https://www.brooklinebooksmith.com/book/9789351240013>
13. Disaster Management and Risk Reduction: Role of Environmental Knowledge (with F.

Bemmerlein-lux, eds; Foreword - Prof. M S Swaminathan, FRS), 2013, P380, Narosa Press New Delhi / Alpha Scientific London. ISBN 978-81-8487-251-4.
<https://www.waterstones.com/book/disaster-management-and-risk-reduction/anil-kumar-gupta/sreeja-s-nair/9788184872514>

Manuals and Modules

- Green Growth & Resource Efficiency for DRR: Towards Green Economy and Resilient Development. Training Manual. NIDM & CAP-RES DST, India 2022. ISBN No: 978-81-960161-3-5. https://nidm.gov.in/PDF/Modules/TM_GGRED_23.pdf
- Nature-based Solutions for Reducing Disaster Risks: A Guidebook for District Disaster Management Planning. DOI: 10.13140/RG.2.2.27441.04969 WI-SA & NIDM. 2022. https://www.researchgate.net/publication/364961235_Nature-based_Solutions_for_Reducing_Disaster_Risks_A_Guidebook_for_District_Disaster_Management_Planning#fullTextFileContent
- Climate Proofing Disaster Relief and Recovery. Training Manual. NIDM with DST, India (Under CAP-RES) 2022. Pages 153. ISBN: 978-81-956700-3-1. https://nidm.gov.in/PDF/Modules/NIDMCPDRR_22.pdf
- Climate Change and Extreme Events. Training Manual. NIDM with DST, India (Under CAP-RES) 2022. Pages 199. ISBN No.: 987-81-955009-9-4. https://www.researchgate.net/publication/363613477_Climate_Change_and_Extreme_Events_Risk_Reduction_Training_Manual
- Climate and Disaster Resilient Agriculture Management. Training Manual, under the NADMP project of MOAF-GOI. March 2021. NIDM New Delhi. P.116 . ISBN 978-93-82571-58-2. https://nidm.gov.in/PDF/Modules/NIDM_CDRAM2021.pdf
- Health Adaptation and Resilience to Climate Risks. Training Manual, under HER-CAP project funded by WHO. June 2021. NIDM New Delhi. P148. ISBN 978-93-82571-53-7. https://nidm.gov.in/PDF/pubs/NIDM_HealthAdaptation.pdf
- Peri-urban Ecosystems and Urban Resilience. Training Modules, Instructions and Reference Materials. 2021. CDKN UK, GEAG, NIDM-GOI. P100. ISBN 978-93-8571-47-6. <https://geagindia.org/index.php/publications/peri-urban-agriculture-and-ecosystems/peri-urban-ecosystems-and-urban-resilience-0>
- Developing Disaster-Risk Resilience in Cities. 2019, UNICEF, GEAG, NIDM, P109 (ISBN 978-81-933285-3-8). <https://reliefweb.int/report/india/developing-disaster-risk-resilience-cities-training-module-urban-local-bodies-including>
- Critical Infrastructure and Disaster Risk Management (with Claudia Batch and John Birckmann), authors), 2013, GIZ Germany, UNU-EHS Germany, P72 (ISBN 978-3944152-13-4). <https://nidm.gov.in/pdf/modules/cric%20infra.pdf>
- Climate Resilient and Disaster Safe Development: Process Framework, 2017, P112. ISET Colorado USA, CDKN London UK (ISBN 978-0-9843616-7-0). <http://www.preventionweb.net/educational/view/51472>
https://www.preventionweb.net/files/51472_51463lowresclimateresilientanddisas.pdf
- Urban Resilience and Sustainability through Peri-Urban Ecosystems. 2017, P100. Rockefeller Foundation USA and GEAG India. ISBN: 978-81-933285-0-7. https://www.researchgate.net/publication/319877741_Urban_Resilience_and_Sustainability_Through_Peri-urban_Ecosystems_Integrating_CCA_and_DRR

- National Manual for Drought Management, India, 2016. Ministry of Agriculture and Farmer's Welfare, Govt of India, New Delhi. P154.
<http://drought.unl.edu/Portals/0/docs/international/India%20Drought%20Manual%202016.pdf>
- Handbook for District Collectors on Climate Smart Disaster Risk Reduction, 2016, P26, CDKN London UK, ISET Colorado, USA (ISBN 978-0-9843616-9-7).
<http://www.preventionweb.net/publications/view/51412>
- Environmental Legislation for Disaster Risk Management, GIZ Germany, 2013. P108. (ISBN 978-3-944152-12-7).
<http://www.preventionweb.net/educational/view/31949>
- Mainstreaming Climate Change Adaptation and Disaster Risk Reduction (into District Level Development Plans. 2014, P114 ISET, USA and NIDM (ISBN 978-0-9843616-6-3).
[http://gbpihedenvi.nic.in/PDFs/Disaster%20Data/Training%20Modules/Mainstreaming Climate Change Adaptation and Disaster Risk Reduction.pdf](http://gbpihedenvi.nic.in/PDFs/Disaster%20Data/Training%20Modules/Mainstreaming%20Climate%20Change%20Adaptation%20and%20Disaster%20Risk%20Reduction.pdf)
- Flood Disaster Risk Management Case Study Module – Gorakhpur, Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ) Germany, GEAG & NIDM, 2012 (ISBN 978-3-944152-14-1), P 116.
<http://floodresilience.net/resources/item/flood-disaster-risk-management-gorakhpur-case-study>
- Database and Statistics for Disaster Risk Management (with Klaus Roder et al), Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ) Germany, 2013, P228 (ISBN 978-3-944152-11-0).
https://www.researchgate.net/publication/311370383_Databases_and_Statistics_for_Disaster_Risk_Managements
- Geoinformatics Application in Chemical Risk Management. Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ) Germany, ITC University of Twente – The Netherlands, 2013, P200 (ISBN 978-3-944152-33-2).
https://www.researchgate.net/publication/311370854_Geoinformatics_Application_in_Chemical_Risk_Management
- Chemical (Industrial) Disaster Management, NIDM New Delhi. 2012, P142. (ISBN 978-81-924366-4-6)
https://www.researchgate.net/publication/311371151_Chemical_Industrial_Disaster_Management

Knowledge / Case Study Compendium

- Health Adaptation and Resilience to Climate change and related disasters. Knowledge compendium. March 2021. Under HER-CAP project funded by WHO. NIDM New Delhi. P327 ISBN 978-93-82571-52-0.
https://nidm.gov.in/PDF/pubs/NIDM_HealthAdaptation.pdf
- Peri-urban Ecosystems and Urban Resilience - Compendium of Case Studies. Feb 2021. P100. CDKN UK, GEAG, NIDM-GOI. DOI: 10.13140/RG.2.2.36514.35522, ISBN 978-93-82571-48-3. https://nidm.gov.in/PDF/pubs/Peri-urban_Knowledge_Compendium2021.pdf
- Climate Resilient Disaster Risk Management - Best Practices Case Studies Compendium. 2019, Govt. of Maharashtra, Oxford Policy Management, NIDM, Govt. of Maharashtra. P-100.

<https://www.researchgate.net/publication/331074060> CLIMATE RESILIENT DISASTER RISK MANAGEMENT Best Practices Case Studies Compendium

- Ecosystem Approach to Disaster Risk Reduction, NIDM New Delhi with UNEP-PEDRR. 2012. P204. (ISBN 978-81-924366-3-9)
<http://www.evidenceondemand.info/ecosystem-approach-to-disaster-risk-reduction>

Research Monographs & Reports

- Corporate Carbon Management and ESG Reporting: Investments by Technology Industry in Green growth and Climate actions. DOI: 10.13140/RG.2.2.18004.27527 NIDM New Delhi. https://nidm.gov.in/PDF/pubs/NIDM_CCMESGR22.pdf
- Disaster Damage and Losses: Study of Underlying Causes - Study on Cyclones Tauktae and Yaas. NIDM New Delhi. Oct. 2022. DOI: 10.13140/RG.2.2.27342.74566
<https://www.researchgate.net/publication/364825615> Disaster Damages and Losses Study of Underlying Causes
- Institutional mechanism for evaluating human deaths from disasters. July 2022. DOI: 10.13140/RG.2.2.16634.16324 NIDM New Delhi
https://nidm.gov.in/PDF/pubs/NIDMInst_Mech_Deaths2022.pdf
- Mapping Climatic and Biological Disasters in India for Enhancing Resilience: Study of Spatial and Temporal Patterns. 2021. GIZ Germany (India office) and NIDM New Delhi. P220. ISBN: 978-81-955009-1-8. https://nidm.gov.in/PDF/pubs/GIZNIDM_21.pdf
- Climatic Variations and Agricultural Landscape: A Study on Policies and Practices for Resilience. National Institute of Disaster Management, New Delhi. P-114. ISBN No: 978-93-82571-57-5.
<https://www.researchgate.net/publication/357205691> Climatic Variations and Agricultural Landscape A Study on Policies and Practices for Resilience
- Development of integrated-farming system for improving food security in Indian Himalayas under Climate Change. NIDM New Delhi, with Kumaon University (Under CAP-RES, DST Project). March 2021. P88. ISBN No.: 978-93-82571-51-3.
- Agriculture Resilience Assessment over Central India under Climate Change. Jan. 2021. NIDM New Delhi, with IIT Indore (Under CAP-RES, DST Project). P96. ISBN 978-93-82571-40-7. DOI: 10.13140/RG.2.2.15790.23360
<https://www.researchgate.net/publication/349278730> Agriculture Resilience Assessment over Central India under Climate Change Under CAP-RES
- Change Climate Risk Management Framework for India: Addressing Loss and Damage (L&D) (with Reinhard Mechler, Thomas Schinko et al. 2019), P-64. GIZ Germany and NIDM India (ISBN 978-93-82571-25-4).
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https://nidm.gov.in/PDF/pubs/GIZ_NIDM_Climate%20RiskManagementFramework.pdf
- Heat Wave 2016, India: A Documentation Study. 2018. NIDM New Delhi. DOI: 10.13140/RG.2.2.13035.23847 https://nidm.gov.in/PDF/pubs/heat_wave_18.pdf
- Uttarakhand Flood Disaster – 2013. NIDM New Delhi, 2015, P-184 (ISBN 978-93-82571-14-8). <https://nidm.gov.in/PDF/pubs/ukd-p1.pdf>
<https://nidm.gov.in/PDF/pubs/ukd-p2.pdf> <https://nidm.gov.in/PDF/pubs/ukd-p3.pdf>
- Bundelkhand Drought – A Retrospective Analysis and Way Ahead. NIDM, 2014, P148 (ISBN 87893-8257-108-7).

<https://nidm.gov.in/PDF/pubs/Bundelkhand%20Drought%202014.pdf>

- Environmental Extremes Disaster Risk Management - Addressing Climate change. NIDM New Delhi, 2012, P 40. (ISBN 978-81-924366-5-3).
https://library.wmo.int/opac/index.php?lvl=notice_display&id=12183#.Wjqa21WWbIU

Technical Reports & Plans

- National Environment Forests & Climate Change Disaster Management Plan (NEFC-DMP). July 2023. For MOEFCC-GOI, as per DM Act 2005 and Policy 2009..
- National Chemical and Petro-chemicals Disaster Management Plan (NEPCD-DMP). June 2023. For Ministry of Chemicals & Fertilizers, GOI, approved by NDMA. As per DM Act 2005 and Policy 2009. To be published/released.
- National Adaptation Communication (NAC) to UNFCCC – DRR Cross-cutting Sectoral Contribution. To MOEFCC/NDMA. May 2023.
- National Agriculture Disaster Management Plan (NA-DMP). Oct. 2020 (Published March 2021). Developed for MOAF-GOI, approved by NDMA, as per DM Act 2005 and Policy 2009. https://agricoop.nic.in/sites/default/files/NADMP%20%281%29_0.pdf
- National Health Adaptation Plan (for disaster related illnesses and health issues). Under NAPCC - Mission on Health, as the Centre of Excellence of MOH&FW, with support of WHO India and NCDC. 2020.
- Detailed Project Proposal (DPR) for Govt. of Maharashtra for Setting up ecoDRR Centre at Forest Academy at Chandrapur, 2017.
- Training Needs Assessment for CCA-DRR Mainstreaming, 2015 (State of Tripura).
- Impact Evaluation Study (of NIDM's Training Programmes), 2014. With TERI Bangalore. P67.
- Perspective Plan for Strengthening and Expansion of NIDM (Institute), 2014.
- National Disaster Management Plan (Final Draft, approved by NEC, Oct 2013). Ministry of Home Affairs, Govt of India.
- National Human Resource and Capacity Development Plan (DM and DRR), Govt. of India, 2012.
- Chemical Disaster Management, NAPCDM Consultation – Detailed Report, Ministry of Environment & Forests & NIDM, 2009, P 71. (ISBN 978-81-924366-0-8).
- Urban Flood Case Study Reports, for each of the 8 Important Indian Cities. 2008, NIDM with City Teams. (Published in Special issues of D&D Journal).
- Climate Resilient Development and Adaptation (FSP Report for GEF), UNDP, MoEFCC, Wintock Intl and TERI, 2007.
- Consultation Workshop on Sustainable Land-use and Land Resources: Perspective Planning (for Drought Resilience and Livelihoods), Planning Board, UP, 2006.
- Status of Solid Waste Disposal in Uttar Pradesh. Technical Final Report of project funded by CPCB/MOEF. 2001. BBA Central University.

Policy Papers/Thematic Papers

- Water Crisis in Indian cities: Systemic failure or wrath of climate change. 978-81-957965-33. https://nidm.gov.in/PDF/pubs/NIDM_WCIC22.pdf
- Landscape approach and role in disaster management: Moving beyond Conventional

concepts towards Implementation frameworks. ISBN 978-81-957965-64

https://nidm.gov.in/PDF/pubs/NIDM_LARDM22.pdf

- Underground Urbanism: Re-imagining the role of Underground spaces for India's urban future. ISBN 978-81-957965-40
https://nidm.gov.in/PDF/pubs/NIDM_UURUSIUF22.pdf
- Regional approach papers: 06: Climate-Related Health Adaptation and Resilience in India: Northern Region. Pages – 18 ISBN - 978-81-956700-2-4
https://nidm.gov.in/PDF/pubs/HERCAP_NorthernRegion.pdf
Southern Region. Pages - 22 ISBN - 978-81-956700-0-0.
https://nidm.gov.in/PDF/pubs/HERCAP_SouthernRegion.pdf , Western Region.
Pages – 18 ISBN - 978-81-956700-7-9.
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