

Mr. Shwetal Shah

Summary

Shwetal Shah is a qualified Climate Change professional with M. Tech. in Energy Management and M.Sc. in Environment Management. He is alumni of Forest Research Institute (FRI) Dehradun and currently completing Ph.D. in International Relation from PDEU. He has professional experience of 15 years, out of which since last 9 years he is working as Technical Advisor to the Department of Climate Change in Government of Gujarat. He has written many articles and papers on various issues of Climate Action and Energy Transition and actively participated in discussions and deliberations about Climate issues at sub-national and regional levels. He has delivered talks and presentations at many national and international forums on Climate change, environment, energy, biodiversity, disaster management etc. He also takes active interest in Jainism and Environment.

Qualification

1. Ph.D (International Relations) from Pandit Deendayal Energy University (PDEU) –on going on the topic of **India's Energy Transition: Integration of Solar Energy for addressing Global Climate Change**
2. **M. Tech. (Energy Management)** from School of Energy and Environment Studies (SEES), Devi Ahilya University, Indore
3. **M. Sc. (Environment Management)** from Forest Research Institute University (FRI), Dehradun
4. **B. Sc. (Environmental Science)** from Faculty of Science, Maharaja Sayajirao University, Vadodara

Experience

1. **Technical Adviser, Climate Change Department, Government of Gujarat:** working since 2014 in the areas of Development and Implementation of and State Action Plan on Climate Change, Evaluating and Sanctioning Climate Change Impact Studies, Development of Climate Change Fund of Gujarat, Conceptualizing and implementation of National Adaptation Fund for Climate Change Project in Gujarat, Coordination with National, International and multilateral organizations, Implementation, Monitoring and Evaluation of Subsidy Scheme for Residential Solar Rooftop, Development and Implementation of Electric Vehicle Policy, Drafting and implementation of renewable energy policies, public awareness and media outreach for climate change, curriculum for Climate change, development of proposal for Green Climate Fund, preparation and implementation of annual budget for the Department of Climate Change

Focus Areas: Climate Change Policy, Mission LiFE, Innovation, Green Technology, Action Plan and Projects for Climate Change Adaptation and Mitigation, Disaster Management, Climate Change Finance, REDD+, IPCC Reports and scientific research application, Carbon Credit, Analysis and inputs for UNFCCC and Climate Policies, Green Climate Fund, National Adaptation Fund Projects.

2. **Hubtown Ltd. (formerly Ackruti City Limited):** Worked for more than 5 years from 2009 to 2014 in different capacity. In last position as Manager - Operations, Gujarat office (Ahmedabad) Managing GSRTC Bus Terminal Development projects at Ahmedabad, Vadodara, Mehsana and Surat. Adopted and applied Green Building Concept for all the projects, Energy Efficiency, Application of Renewable Energy and Solar Rooftop System Installation, Carbon Disclosure, Building Automation, Designing and Engineering of Waste Management System, Designing Engineering and Installations of Sewage Treatment Systems, Designing and Implementation of Rainwater Harvesting. Worked in Mumbai HO from 2009 to 2010 in areas of Slum Rehabilitation Projects, Implementation of ISO 14000, Environment and Social Management System (ESMS), Green Building projects, Environment Health & Safety (EHS) standards.
3. **Ambuja Cements Limited:** worked during 2008 to 2009 as a HSE Management Trainee in areas of Monitoring of GHG Emission, Energy Efficiency, Alternative Fuels and Resources, Fly ash blending in Cement Mills, Carbon Credit and Clean Development Mechanism, Restoration of Limestone Mines, Wetland Conservation, Disaster Preparedness

Distinctions

1. Chief Minister's Fellow, Government of Gujarat, India during 2010-11 [equivalent to Class 1 officer of the State Government] for Waste Management issues in the Urban Sector.
2. Represented India in 5th International Marine Debris Conference (Hawaii, USA, 2011), 33rd International Sea Turtle Symposium (Baltimore, USA, 2013), Participated as an Indian Delegate in the COP 21 at Paris (2015), Speaker during the New York Climate Week USA 2016, Private Sector Clean Energy Investment Summit Bangkok 2017, State to State Collaboration with Govt. of South Australia 2017, Expo 2020 Dubai during 2021, COP 27 at Sharm-al-Sheikh 2022.
3. Obtained Training on Clean Energy for South Asia, Conducted and Sponsored under SABIT Programme by US Department of Commerce during Feb 11-25, 2023.
4. Climate Reality Leader trained by Mr. Al Gore, Former US Vice President at Los Angeles USA 2018
5. Lead Auditor for ISO 14001: 2015
6. Qualified University Grants Commission National Eligibility Test (UGC-NET) in Environmental Science.
7. Indian Green Building Council (IGBC) Accredited Professional (16th April 2016).
8. Guest Faculty at Pandit Deendayal Energy University at School of Liberal Studies on (i) Global Conventions / Protocols and International Environmental Cooperation (ii) Environmental Ethics and Leadership since February 01, 2018.
9. Organized a Series of 8 Webinars on Climate Change and COVID-19 during June-Oct 2020 (<https://www.youtube.com/watch?v=b4Qzxmb3Seo>)
10. Organized A Seminar on Climate Change: Partnering for a Sustainable Future on 3rd October 2021 at India Pavillion, Expo 2020, Dubai, UAE

11. Organized A Programme on Climate Change: Building A Climate Resilient Gujarat on 21st February 2022 at Science City, Ahmedabad (<https://www.youtube.com/watch?v=aALBZ3Q7Xsk>)
12. Organised Panchamrit for Climate Change during Sept 2022 at Various Universities Across Gujarat.
13. State Representative and Facilitator of India Delegation in City to City Event, Brussels Belgium and Visit to Milan Italy organized by International Urban Cooperation, EU during November 2019
14. Observer, Conference of Parties (COP) 14 of the United Nations Convention for Combating Desertification, New Delhi, September 2019.
15. Post Diploma in Industrial Safety from Mahatma Gandhi Labour Institute Ahmedabad, 2013
16. Member of Technical Committee and Project Evaluation Committee for Climate Change Impact Studies and Related Projects, Climate Change Department, Government of Gujarat.
17. Instrumental in MoUs for the Department of Climate Change for co-operation and collaboration with International and National organization like EPIC – JPAL & University of Chicago, Sadguru inspired Isha Outreach, UNICEF, GIZ, ICLEI, SDC, IIT Gandhinagar and IIM Ahmedabad, IUC-EU etc.

Publications

1. Methane Mitigation in Crossbred Bullocks by Urea Treated Wheat Straw & Lucerne Straw Based Total Mixed Ration Current Journal of Applied Science and Technology November 2022
<https://journalcjast.com/index.php/CJAST/article/view/3989/7975>
2. *Trend analysis of hydro-meteorological parameters and influence of anthropogenic activities in lower Narmada River basin, India*, Physics and Chemistry of the Earth, Elsevier, June 2022
<https://www.sciencedirect.com/science/article/pii/S1474706522000420?via%3Dihub>
3. News Paper Article Heatwaves: Rethink India's energy mix, Hindustan Times, May 17, 2022
(https://www.hindustantimes.com/opinion/heatwaves-rethink-india-s-energy-mix-101652698293702.html?utm_source=whatsapp&utm_medium=social&utm_campaign=ht_site)
4. Gujarat ni Parampara – CEE Feb 2022
5. Climate Change and Environment Action Plan of Ahmedabad City Vasudha Foundation Jan 2022
6. Climate Change and Environment Action Plan of Rajkot City Vasudha Foundation Jan 2022
7. Assessment of Climate Change Impact on Ambient Air Quality of Industrial, Urban and Rural Belts in and around Ahmedabad Metro City, Gujarat, India, *Mendeley Data*, December 03, 2021
<https://data.mendeley.com/datasets/vvn5bnnqxm>
8. **Book Title** : Green Energy and Technology Macromolecular Characterization of Hydrocarbons for Sustainable Future Applications to Hydrocarbon Value Chain **Chapter Title**: CO₂ Bio-sequestration Studies on Microalgae—An Approach Through Sustainable Biofuel Production ISBN 978-981-33-6132-4 Springer Nature Singapore Pte Ltd. 2021 <https://www.springerprofessional.de/en/co2-bio-sequestration-studies-on-microalgae-an-approach-through-/18952652>
9. *International Journal of Environment and Climate Change* How States Can Drive the Next Era of Climate Management in India: Perspectives in Mainstreaming Climate Actions from Gujarat, December 2020 <https://journalijecc.com/index.php/IJECC/article/view/785>

10. Sustainable Transport in Gujarat *Lessons from Two Case Studies* Published by Centre for Strategic and International Studies (CSIS) USA, October 2020
11. Book Review --- Navroz K Dubash, India in a Warming World – Integrating Climate Change and Development (Oxford University Press, India 2019) ISBN – 13: 978-0-19-949873-4 Published in Liberal Studies Journal, SLS PDU Jan-June 2020 issue
12. Building a Climate Resilient Gujarat – Edited Book published by Climate Change Department Government of Gujarat, September 2020.
13. Wet Waste- A Resource Undervalued in India, Terra Green, Volume 13, Issue 3, June 2020 by TERI New Delhi.
14. Article on Climate Change Adaptation of Natural Resource Dependent Communities of Kachchh Gujarat published by The Climate Group, UK June 2020
15. Proposal for Carbon Neutral Towns in Gujarat, Chief Minister Fellowship Programme, Government of Gujarat, 2011
16. Initial Proposal – Technological Solution for Sewage Waste Treatment and Reuse, Chief Minister Fellowship Programme, Government of Gujarat, 2010
17. Concept Paper – Panchvato Township, Chief Minister Fellowship Programme, Government of Gujarat, 2011
18. Proposal for Implementation of Environment Management System ISO 14000 for Waste Management in AMC and SMC, Chief Minister Fellowship Programme, Government of Gujarat, 2011
19. Concept Paper on Marine Debris Management in Gujarat, Chief Minister Fellowship Programme, Government of Gujarat, 2011
20. Gujarat Clean Development Mechanism (CDM) Cell, Chief Minister Fellowship Programme, Government of Gujarat, 2010

Expert Lectures

1. Panelist under Theme 5 Making Energy Transitions Inclusive and Equitable at the conference Energizing Agriculture and Enabling Just Energy Transitions in South Asia: A Regional Knowledge Forum co-organized by IWMI, SDC, IIT Gandhinagar, WRI, IRENA, ISA, GGGI, and Ahmedabad University during Feb 06-08, 2023.
2. Addressed the roundtable on the "Creating Champion ZEV states in India: California-India ZEV Policy Collaboration" session as part of the Decarbonising Transport in India: Analysis, Dialogue, and Action workshop on 31 January 2023 at New Delhi.
3. Talk on Climate Actions and Industrialization in Gujarat during Climate Action Now 2022-23 Workshop organised jointly by IIT Gandhinagar and GEER Foundation on Climate Action and Role of Industries from 16th to 20th January 2023

4. Climate Change Mitigation: Pathways to 2030 and Beyond, Outreach programme to disseminate findings of the Intergovernmental Panel on Climate Change's (IPCC) Sixth Assessment Report (AR6) on the 23rd of January 2023 at Ahmedabad University
5. "Introduction to Gujarat State Climate Change Action Plan" during the Refresher Course in Life Science for College Teachers organized by HRDC Gujarat University.
6. Workshop on "Bio-diversity and Ecosystem based Climate Change Adaptation" organized by Aga Khan Agency for Habitat at Porbander on July 15, 2022.
7. India's Roadmap to Net Zero. Panel Discussion on State Climate Leadership in India organized by The Climate Group on 13th July 2022 at New Delhi.
<https://www.youtube.com/watch?v=WfJAIWkD8vw>
8. Gujarat News TV Debate on Urban Flooding and Climate Change on 12th July 2022
<https://fb.watch/ed30QSiX4V/>
9. "Gujarat's State Action Plan on Climate Change" during A 2 Days Residential Classroom based Training Programme on Capacity Development of Talati-cum-Mantri on Community-based Disaster Risk Management at GIDM, Gandhinagar, July 7-8, 2022.
10. Live TV Debate Sidho Samvad by Mantavya News on 27th June 2022
<https://www.youtube.com/watch?v=l1kY4B1VTQM>
11. Role of CSOs Towards building a Climate Resilient Gujarat, Inter-Agency Group, Gujarat State Level Meeting at Ahmedabad Management Association (AMA) Ahmedabad March 29, 2022
12. Climate Change in Global Scenario and Indian Agriculture, Two Days National Seminar on Emerging Technologies in Agriculture, Dairy, Food and Animal Husbandry jointly Organised by Parul University and NABARD on March 25-26, 2022 at Parul University, Vadodara.
13. Capacity Building Workshop for Panchayati Raj Institutions by Parul University on 23rd March 2022 (Online mode)
14. The Great Talk by CAE Media Group (<https://www.youtube.com/watch?v=16RDmQjkOpg&t=372s>) online published on March 22, 2022
15. Climate Education and Role of Youth by Climate Action Network, March 14, 2022 (online event)
16. Transforming Business in ESG, 14th International Conference on Emerging Management Practices on Transforming Business in Environment, Social and Governance by Faculty of Management Studies, Ganpat University during March 12-13, 2022
17. Importance of Climate Actions in Fisheries and Marine Resource Management, at Stakeholder Training Programme on Use of Green Technologies in the Marine Fisheries Sector to combat climate change impact by Central Marine Fisheries Research Institute – ICAR, Veraval Regional Station March 11, 2022
18. Urban Climate Change Vulnerability at Communication Workshop on Habitat Strategies to Reduce Climate Vulnerabilities in Indian Cities by Aga Khan Agency for Habitat on February 18, 2022.
19. Coastal Disaster Risk Reduction, Himachal Pradesh Climate Change Conclave Shimla, 18-19, December 2021

20. Sub-national level Climate Actions in Gujarat, Workshop on Sub-national Climate Change Policy in India, Harvard University, USA 9th December 2021 (online)
21. Resilient and Sustainable Supply Chains: Role of Efficient Connectivity and Trade Facilitation Measures for Food and Nutrition Security in the BBIN Sub-region during CUTS-IIS Joint Session in Trade+ Sustainability Hub December 03, 2021
22. Climate Change – Issues and Challenges A Webinar Organised by The Institute of Engineers, Gujarat State Centre on 1st December 2021
23. Disaster and Climate Change, Training Programme on Integration of CCA & DRR at Gujarat Institute of Disaster Management 24th November 2021
24. EMobility+, EV STATE SUMMIT 2021 at Renaissance, Ahmedabad on 12th November 2021
25. Building Climate Ready Communities Webinar by GUJCOST Ahmedabad on the occasion of the World Science Day 10th November 2021
26. Effective Nature Based Solutions for adaptation: experiences from Gujarat in the Uttar Pradesh Climate Change Conclave, Lucknow 28-29, October 2021
27. State's experience with COVID-19 and Recovery Government of Gujarat Initiative, A Workshop on COVID-19, Climate Change, and Cities: Learnings from the Pandemic by Ahmedabad University 27th October 2021
28. Expert Consultation Webinar on Issues and Challenges on Climate Change by National Institute of Occupational Health, Ahmedabad 25th October 2021.
29. Special Address during 2 Days Seminar Advancing Frontiers of Knowledge on Climate Action Cross-sectional Approaches for Mitigation and Resilience by Centre for Ecological Economics and Natural Resources (CEENR), Institute for Social and Economic Change (ISEC), Bengaluru 22-23, October 2021.
30. Status and Future of Global Climate Actions by Bhaskaracharya College of Applied Sciences, Delhi University 17th October 2021 (online)
31. Institutionalization And capacity Building At Any Level at Bhaskaracharya College of Applied Sciences, Delhi University 14th October 2021 (online)
32. Ambition in adaptation and role of partnerships in Global South – Adaptation Future 6th October 2021
33. Gujarat's Climate Policy in the 5th International Conference on Integrated and Innovative Solutions for Circular Economy 5-6 October 2021, Taiwan (online)
34. Cyclone Risk Management & COVID-19 Session 2: Disaster & Climate Change at Gujarat Institute of Disaster Management Gandhinagar 28th September 2021
35. Effect of Climate Change on life under water and on land Webinar by Green Catalyst, September 26, 2021
36. A New Era of E Mobility, 2nd CII Sustainable Mobility Conference July 30, 2021.
37. New EV Policy of Gujarat by EQ Magazine, July 19, 2021.

38. Sustainable solutions of urban development including issues on internal migration, climate resilience, sustainable infrastructure and affordable housing with a link to Goal 11 of the SGD and COVID-19 pandemic, KASpaces India Webinar, July 12, 2021.
39. Climate Emergencies and Role of Citizens, Webinar on Innovation and Environmental Sustainability by GUSEC, Gujarat University Ahmedabad on World Environment Day 5th June 2021
40. Importance of Individual Climate Actions, Environment Cell, Bhagwan Mahavir University, Surat World Environment Day 5th June 2021
41. Climate Emergencies and Role of Citizens, Webinar Series on World Environment Day by Rai University, Ahmedabad 5th June 2021
42. Health of Mother Earth- Conservation of Ecosystem and Biodiversity for Sustainable Development, All India Women's Conference, New Delhi 4th June 2021 (online)
43. How can we preserve Earth's Climate? Webinar by Nanoland Limited on Earth Day 22nd April 2021
44. Multi Sectorial Approach to Achieve Gender Equality SDG Goal 5 By 2030 Wjra O Force Empowerment Foundation, 26th March 2021
45. Mainstreaming Climate Change Adaptation and Disaster Risk Reduction in planning and policy making, 2-day residential training on "Integration of Climate Change Adaptation & Disaster Risk Reduction for NGOs/CBOs" on 24-25 March 2021 by GIDM Gandhinagar
46. Climate Change: In search for the truth, An interactive Panel Discussion cum Webinar by Nanoland Limited on World Meteorology Day 23rd March 2021
47. International Conference on Green Technology for Sustainable Development GSTD – 2021 by DDIT Nadiyad 9th to 11th March 2021 (online)
48. Climate Change Actions in the State of Gujarat at Shri Labhubhai Trivedi Institute of Engineering and Technology Rajkot World Engineering Day 4th March 2021 (online)
49. Climate Change Actions in the State of Gujarat at Dr. S & S S Gandhi Government Engineering College, Surat, 28th Feb 2021 (online)
50. Special Address in SuryaCon Ahmedabad by EQ Magazine February 26, 2021
51. Climate Change Actions in Gujarat in the National Webinar organized by Gujarat University Botanical Society on February 10, 2021.
52. Climate Change Policies in Gujarat, ICAR funded NAHEP-CAAST project, 21 Days National Level Higher Training Establishment of Secondary Agriculture Unit for Skill Development in Students and Farmers Navsari Agricultural University, Navsari, 4th February 2021 (online)
53. Gujarat Residential Solar Rooftop Market Webinar by EQ Magazine, December 01, 2020.
54. Climate Change Activities in India and Gujarat presented in Regional Dialogue of European Union International Urban Cooperation, November 24, 2020 (online)
55. Progress of Electric Buses in the Conference on Clean Buses in Asia Pacific by Global Mass Transit November 24-25, 2020 (online)
56. Learning from COVID-19 for Climate Change Online refresher course in Life Science UGC Human Resource Development Centre, Gujarat University, on September 09, 2020

57. One Health and Disaster in the Webinar by Special Centre for Disaster Research, JNU, Delhi on 12th Sept 2020
58. Initial Learning from COVID-19 for Global Climate Actions in International Webinar on Climate Change - Future Challenges Organised by A M P Govt. Law College Rajkot, June 17, 2020.
59. Learning from COVID-19 for facing bigger global challenges Webinar by S D Public School Pitampura, New Delhi on World Environment Day June 5, 2020.
60. Science of Global Climate Change in the Webinar by Dr. S & S S Gandhi Government Engineering College, Surat May 24, 2020.
61. Will learning from COVID-19 be useful in Global Climate Action? Webinar by Institute of Climate Change Research, M S University of Baroda, May 07, 2020
62. Towards Creating a Proposal on Climate Change Resilient and Low-Carbon Gujarat by IIM Ahmedabad 14th Feb 2020
63. Climate Action Now by IIT Gandhinagar 11th Feb 2020
64. Seminar on Climate Change Pollution and Harmony with Nature by Department of Geography, Faculty of Science, The M S University of Baroda 25th January 2020
65. Rooftops and Distributed Solar in Gujarat in SuryaCon Ahmedabad by EQ Magazine December 19, 2019
66. Mainstreaming Energy Efficient Buildings in Gujarat in Media Engagement Workshop on Energy Efficient Buildings by BEE and CEPT December 19, 2019
67. Urban Climate Change Initiatives in Gujarat State Action Plan in Round Table on Climate Change and Cities by Ahmedabad University, December 16, 2019
68. Leveraging the role of residential consumers to scale-up rooftop solar deployment in cities in Solar Energy: Harnessing our Potential to Meet India's Energy Demand by FICCI, October 17, 2019
69. Tracking India's Emission Estimates State Actions and NDC Progress by GHG Platform India, New Delhi September 26, 2019
70. State Climate Actions in India in Strengthening Non-State Climate Action in Global South by TERI, New Delhi September 18-19, 2019
71. Gujarat's Climate Change Policies and Programmes at International Conference on Climate Change Impacts Management (CCIM 2019) at Gujarat University Ahmedabad during August 5-6, 2019.
72. Capacity Building in Climate Communication by Gujarat University Botanical Society (GUBS) during August 13-14, 2019.
73. Children and Climate Change in Children Climate Conference by Indus University July 28-29, 2019
74. Gujarat Action on Climate Change Mitigation in Climate change and industry: Towards a low carbon transformation by CDP and Ahmedabad University July 02, 2019
75. Climate Action in National Green Mentors Conference by Green Mentor and Karnavati University June 29-30, 2019
76. Action for Climate Change Adaptation and Mitigation, State-level Seminar on Climate Change in Indian Perspective (CCIP-2019) by Sankalchand Patel University, Visnagar on March 09, 2019.

77. Gujarat Policies and Programs for Climate Change Adaptation and Mitigation in the Workshop on Potential Need for Electric Vehicles, its Future Challenges and Opportunity for the Indian Market by Gujarat Power Engineering and Research Institute, Mehsana during March 14-16, 2019.
78. Climate Change and Sustainable Development Goals at the National Seminar on Climate Change and Sustainable Development: Facts, Impacts & Perspectives by Faculty of Social Work, The Maharaja Sayajirao University of Baroda, Vadodara during March 14-15, 2019.
79. India's NDC, NAPCC & SAPCC setting the scene, Advancing Climate Actions for Cities, ConnectKaro by WRI India, New Delhi, April 06, 2018
80. Climate Actions for Cities – India's NDC, NAPCC & SAPCC, Central University of Gujarat on April 07, 2018.
81. Sustainable Development Through Climate Change Mitigation in Gujarat at National Workshop on Climate Change and Sustainable Development by School of Environment and Sustainable Development, Central University of Gujarat during March 22-23, 2018
82. Climate Change Initiatives in Cities in Gujarat, Roles of Cities in Addressing Climate Change, WWF India New Delhi, March 19, 2018.
83. Current Status of SAPCC implementation Experience from States; Stakeholders Round Table – Adapting to Climate Change Approaches, Challenges by CSE New Delhi Alwar Rajasthan Feb 21, 2018.
84. Best Practices Implementation and Policies for Environmental Conservation and Climate Change, Natural Capital Awards by YES Bank New Delhi Sept 01, 2017.
85. Climate Change Actions in Gujarat Perspective and Progress in Brainstorming on Environment and Climate Change by Innovative Thought Forum, New Delhi on September 23, 2017
86. Climate Issues and Risk Resilience in Saurashtra City Dialogue on Capacity Building for Low Carbon by National Institute of urban Affairs, Rajkot, October 06, 2017.
87. Trust Areas of Research and Government Initiatives and Policies with reference to Climate Change at Department of Botany, Bioinformatics & Climate Change Impacts Management, University School of Science, Gujarat University on October 04, 2017.
88. Gujarat's Responses to Challenges of Climate Change, Stakeholders Consultation on Cities and Climate Change by WWF India, Rajkot, May 10, 2017.
89. Revamping Building Sector Practices ConnectKaro by WRI India, New Delhi, April 07, 2017
90. SDG 13, National Consultation on SDGs 13, 14, 15 in India's Planning Process, WWF India Feb 8-9, 2017.
91. Sub-National Consideration from India with Key initiatives that drive energy efficiency and RE in Internal Price on Carbon Corporate Perspective from India by WRI New York September 22, 2016
92. Climate Change Adaptation and Mitigation Actions in Gujarat in Seminar on Integrating Climate, Energy Transformation and Youth (ICE TRAY 2016) by Department of Botany, Gujarat University on October 01, 2016.
93. Climate Change and Water, a Short Story by Prasara Bharti Ahmedabad on March 11, 2015.

94. Gujarat's Renewable Energy Policies and Programme in Seminar on Integrating Climate, Energy Transformation and Youth (ICE TRAY 2015) by Applied Botany Centre, Department of Botany, Gujarat University during February 20-21, 2015.
95. Gujarat's Climate Change Actions, International Conference on Strengthening Climate Justice Initiatives: Livelihood Challenges at Local Level with a Focus on Farmers at Institute of Law, Nirma University during November 8-9, 2014.
96. Solid and Hazardous Waste Disposal methods and Management by Department of Life Science, Hemchandracharya North Gujarat University July 01, 2011.
97. Carbon Neutral Towns in Gujarat National Seminar on Connecting Climate Change Concerns of Society by M S University of Barods, March 11, 2011
98. Climate Change Risk Reduction in National training on Ecosystem Climate Change Adaptation and Disaster Risk Reduction by All India Disaster Mitigation Institute Ahmedabad December 23, 2010.
99. Conservation of Whaleshark on the Coast of Saurashtra in Department of Marine Science, Bhavnagar University, January 03, 2009.

Certificates

1. Certificate of Training for successful completion of Clean Energy for South Asia Program Feb 11-25, 2023 by United States Department of Commerce
2. Certificate of Completion for training workshop on "Interstate Clean Energy Procurement Programme (ICEPP)" by US Trade and Development Agency (USTDA), during Jan 18-20, 2023 at New Delhi.
3. Certificate of Appreciation for Participating in Clean-up hike at Balaram Ambaji Sanctury on March 6, 2022.
4. Judge in the International Conference on Climate Change Impacts Management (CCIM 2019) at Gujarat University Ahmedabad during August 5-6, 2019.
5. Certificate of Excellence for being a contributor during Google crowdsource campaign for Gujarati language at PDPU December 05, 2018.
6. Blended Capacity Building Programme on Climate Smart Governance by Indian Institute of Public Administration, New Delhi during March 19th – 27th 2018 at Gujarat Institute of Disaster Management, Gandhinagar.
7. High-Resolution Climate Projections and Analysis for India Indo-US Workshop held at EPTRI, Hyderabad during February 12-13, 2018.
8. Certificate of Appreciation for being a part of jury for evaluating the team during "Smart Gujarat for New India Hackathon" 2018.
9. Certificate of Appreciation for active participation in the promotion and use of Solar Rooftop contributing towards Climate Change Mitigation measures by Gujarat Energy Development Agency (GEDA) Gandhinagar on July 14, 2017.

Curriculum Vitae

10. Certificate of Participation at Indo-US workshop on Development and Application of Downscaling Climate Projections at Indian Institute of Tropical Meteorology (IITM) Pune during March 7-9, 2017.
11. Write-shop on Climate Change Project Development, Bankers Institute of Rural Development, Lucknow during August 10-12, 2016.
12. Climate Change: Adaptation and Mitigation, Management Development Programme of IRMA, Anand for during 2008.

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