

Curriculum Vitae

Chintan Pathak, Ph.D.

Flat No. H-201, Satyamev Chhavni-5,
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Date of Birth: 12th Nov. 1984

Research philosophy : A Scientist does not belong to a particular Nation; a Scientist belongs to the whole World
Teaching philosophy : Let Nature be your Teacher
Ph.D. Topic : Synthesis of Fly Ash Zeolite for Oil Spill Clean-up
Current area of research : [1] Biodiversity Conservation and Rural Livelihood Improvement
[2] Disaster Risk Management

Educational Qualifications

Degree	Name of the University	Month/Year of Passing	Result (%)
Ph.D.	Pandit Deendayal Energy University	May 2013	-
M.Sc. Environmental Sciences	Bharati Vidyapeeth University	May 2007	67.85
B.Sc. Environmental Sciences	The Maharaja Sayajirao University of Baroda	May 2005	55.24
P.G. Diploma in Disaster Management	IGNOU	June 2021	59.25

Relevant Work Experience

2015 – Till date	Assistant Professor cum Program Manager Gujarat Institute of Disaster Management (GIDM)
2017 – 2018	Consultant (I/C) SAARC Disaster Management Centre Interim Unit (SDMC IU)
2013 – 2015	Assistant Professor Marwadi University (GTU)
2012 – 2013	Scientist (Ecologist) Gujarat State Forest Department (MoEFCC)
2008 – 2012	Teaching Assistant Pandit Deendayal Energy University (PDEU) Deputy Coordinator PDEU-Civil Services Academy (PDEU-CSA) Course Coordinator School of Liberal Studies, PDEU
2007 – 2008	Officer (Environment) de Tox Corporation P. Ltd.
2006 – 2007	Research Intern TATA Motors Ltd.
2005	Research Intern M/s Associated Environmental Engineers P. Ltd.

2015 – Present: **Assistant Professor cum Program Manager** at GIDM

⇒ Capacity Development activities carried out as Program Manager at GIDM:

- *Flagship Program of GIDM*: Certificate Courses in Disaster Management (CCDM)
- Urban Floods and Risk Management in Cities, Role of Media in Disaster Risk Reduction, Urban Risk Planning & Management, Safe Schools, Comprehensive School Safety, Child Protection in Emergency, Stress Management, Psycho-social Care during Disasters, DM Response & Preparedness for various Hazards, Management of Epidemics, Protection of Animals in Disasters, Industrial-Chemical-Biological Risk Management, Disaster Risk Management Planning & Response, Role of Police for DRM, Youth and COVID-19: Learning to Live with Risk(s), Role of PRIs for DRM, Role of Youth and Volunteers in DRM, Fire & Safety
- Assisted SDMC IU Regional Training Programs

- ⇒ Subjects Taught (to L1, L2, L3 level of officials working with Govt. of Gujarat, Officers of Armed Forces, Gram Panchayat, NGOs):
- Disaster Risk Management, Risk Informed Planning for Sustainable Development, Environmental Studies, Pollution Control Technology, Ecology & Biodiversity, Planning & Vulnerability Assessment, Mainstreaming Climate Change Adaptation into Development Planning, Importance of Communication in Disaster Management, Flood Risk Resilience, CBDRM / Eco-DRR
- ⇒ Visiting Faculty:
- National Institute of Technical Teachers' Training and Research, Bhopal (Ext. Centre A'bad), Gol
 - Human Resource Development Centre (HRDC), Gujarat University (UGC)
 - State Institute of Rural Development (SIRD), GoG
 - Gujarat Jal Seva Training Institute (GJTI), Gujarat Water Supply and Sewerage Board (GWSSB), GoG
 - Rashtriya Raksha University (RRU)
 - School of Liberal Studies, PDEU
 - Adani Institute of Infrastructure Engineering (AIIE), GTU
(Environmental Studies – 1st Sem., Green Chemistry and Technology – 3rd Sem.; Disaster Management – 5th Sem.; Water and Wastewater Treatment Technologies – 6th Sem.)
- ⇒ In-charge: Environment & Energy Research, Training Management / Administration, Communication / Publication
- IT Task Force Committee / Women Harassment Committee / Task Force / Portal Administrator / Documentation Hub Team Member
- ⇒ National/State Collaboration Exposure:
- Ministry of Home Affairs (MHA), Ministry of External Affairs (MEA), National Centre for Good Governance (NCGG), National Disaster Management Authority (NDMA), National Institute of Disaster Management (NIDM), National Disaster Response Force (NDRF), Indian Institute of Management Ahmedabad (IIMA), Indian Institute of Technology Bombay (IITB) / Gandhinagar (IITGn), Armed Forces, National Cadet Corps (NCC), National Service Scheme (NSS), Civil Defence & Home Guards (CDHG), Nehru Yuva Kendra Sangathan (NYKS), Bharat Scouts & Guide, Indian Red Cross Society
 - Gujarat State Disaster Management Authority (GSDMA), Bhaskaracharya Institute for Space Applications and Geo-informatics (BISAG), Directorate of Animal Husbandry (DAH), Veterinary Emergency Response Unit (VERU), Kamdhenu University (KU), Gujarat Climate Change Dept., PRH&RD Dept., Home Dept., H&FW Dept., Sports, Youth & Cultural Activities Dept., Forests & Environment Dept., RRU, GTU, PDEU, CHARUSAT, CVM, CEPT, NFSU, GSFCU, SDRF/SRPF, SIRD, SPIPA, MSU, SPU, KSKV Kachchh University
- ⇒ International Collaboration Exposure:
- SAARC Disaster Management Centre Interim Unit (SDMC IU)
 - First Asian Ministerial Conference on Disaster Risk Reduction (AMCDRR), Ministry of Home Affairs, New Delhi. 3-5 Nov' 2016
 - Saxion University of Applied Sciences, The Netherlands
 - TAoyaka Program - Hiroshima University, Japan
 - Disaster Risk Reduction Section - United Nations International Children's Emergency Fund (UNICEF) - India
 - Institute of Disaster Mitigation for Urban Cultural Heritage, Ritsumeikan University, Kyoto, Japan
- ⇒ Coordinated/Assisted Recruitment Processes:
- for Teaching posts: Director (DM), Assoc. Professor, Research Scientist, Training Specialist and Research Associate (also through campus interview at CEPT University)
 - for staff recruitment in SDMC IU at GIDM
 - for the Non-teaching posts: Sr. System Manager, Jr. Executive and Librarian, PA cum Stenographer

2013 – 2015: Assistant Professor at Marwadi University

- ⇒ Established: *Environment Lab and Research Centre* (Env. Audit Cell) for B.E. and M.E. Environment Engineering Students
- ⇒ Subjects (as per GTU syllabus):
- Under-Graduate level*
- 9) Disaster Management, 5th Sem. Civil Engg.
 - 8) Environmental Studies, 1st/3rd/5th Sem. Env./Civil/Mechanical/Electrical/Automobile Engg.
 - 7) Environmental Science-II, 6th Sem. Env. Engg.
 - 6) Environmental Engineering, 5th/6th Sem. Civil Engg.
 - 5) Water Pollution Control, 4th Sem. Env. Engg.
 - 4) Microbiology, 1st/2nd Sem. Env. Engg.
 - 3) Energy and Environment, 6th Sem. Env. Engg.
 - 2) Water and Wastewater Engineering, 6th Sem. Civil Engg.
 - 1) Technical/Non-Technical Club, Env./Civil/Mechanical/Electrical/Automobile Engg.
- Post-Graduate level*
- 2) Climate Change, 2nd Sem. Electronics and Communication Engg.
 - 1) Technical/Non-Technical Club, Env./Civil/Mechanical/Electrical/Automobile Engg.
- ⇒ Designed & implemented new curricula and courses for technology – mediated teaching learning process

- ⇒ Organized and coordinated training programs & study exposure tour visits to:
 - Industries, Research Centres/Organizations and Nature Education Camps
- ⇒ Coached nature education camp sessions through: *field visits* and *lectures* to various branch of engineering students
- ⇒ In-charge: GTU Syllabus Core Committee, Time-Table Committee, Mentoring Club, Technical Club, Sports & Youth activities Club
- ⇒ Coordinated with Training Dept. for various training activities & Env. Dept. Representative

2012 – 2013: **Scientist (Ecologist)** at Gujarat State Forest Department

- ⇒ Established: *field learning & replication centre* for biodiversity conservation and rural livelihood improvement project at Sasan-Gir
- ⇒ Organized and coordinated training programs & field visits:
 - to students - I.F.S. probationers - G.F.S. (A.C.F./R.F.O./Foresters) probationers - other S.F.S. officers - researchers from IIFM, WII, AMU, KFRI etc
 - chaired sessions on:
 - *census* of large carnivores, herbivores, birds & flora etc
 - environmental leadership & conflict resolution in *natural resource management*
 - wildlife week celebration – 2012 & 2013, Gir ramatotsav – Feb. 2013, world water day – March 2013, earth day – April 2013
- ⇒ Coached nature education camp sessions through: *field visits* and *lectures* to various groups of trainees (resource persons)
- ⇒ Prepared training modules on:
 - wildlife rescue & treatment, human-wildlife conflict management, improved management practices in Gir PA
 - management plans for Gir PA, landscape level management, corridor study
- ⇒ Sensitized: local community, tourists, environmentalists *through* community participation / environment awareness programs
- ⇒ Coordinated study tour to WII, PTR-KMTR
- ⇒ Community awareness through newspaper writing and All India Radio programs

Environment Consultant (Manager)

- ⇒ Taught at Masters, Graduates and Under Graduate levels of Engineering & Science students
 - Subjects like Environment – Engineering/-Science/-Studies like: Ecology, Biodiversity, Social Sciences, Communication
- ⇒ Conducted research studies to develop theories or methods of abating or controlling sources of environmental pollutants by utilizing knowledge of various scientific principles as well as concept of engineering discipline
- ⇒ Worked with clients, engineers, students for overall implementation of training program on Eco-Development and Community Participation for Rural Livelihood Improvement
- ⇒ Preparation of commentaries on various issues/themes like Sanitation, Global Climate Change Sensitization, Carbon Sequestration, Environmental Issues
- ⇒ Planned for ecological study / data collection for field learning
- ⇒ Helped in preparation of observations required in field

2008 – 2012: **Teaching Assistant** at PDEU

- ⇒ Developed: Integrated Science Lab, Drilling Fluid Lab & Environment Lab for M.Tech. students' & B.Tech. students'
 - Coached laboratory sessions for: air-water, wastewater & drilling fluids' testing
 - Operated & maintained analytical instruments like: microwave digester, spectrophotometer, multi-parameter, rho-meter
 - Conducted practical for: HSE (Health, Safety & Environment) training programs such as environmental pollution control technology & natural resource management, internal safety audits, safety promotional activities
 - Generated SOPs (Standard Operating Procedure) for various instruments / lab equipments
- ⇒ Facilitated: academic research & industrial projects related to HSE as well as drilling fluids
- ⇒ Performed: examination duties, evaluation of student performances and follow-up

Deputy Coordinator

- ⇒ Managed & Directed: *classes* for UPSC/GPSC exam preparation and harmonization with coaching experts (retrd. IAS-IPS officers)
- ⇒ Subjects taught: ecology, biodiversity, global climate change and global environment sensitization subjects - as per UPSC syllabus

Course Coordinator (Music Styles and Idea)

- ⇒ Taught: *Music Style & Ideas* - an elective subject to Bachelor of Liberal Studies' students
- ⇒ Organized & coordinated study exposure tour: All India Radio, A'bad; Doordarshan Kendra, A'bad
- ⇒ Conducted: examinations and Evaluations

2007 – 2008: **Officer (Environment)** at de Tox Corporation P. Ltd.

- ⇒ Designed: *effluent treatment plant* for industrial wastewater treatment
- ⇒ Co-ordinated: between government & industry to comply with state pollution control board norms
- ⇒ Presented reports & presentations to: government & industry for diverse projects
- ⇒ Assisted in: environmental audit reports & compliance with GPCB (Gujarat Pollution Control Board)
- ⇒ Administered: *field work* for data collection, interpretation & analysis
- ⇒ Coordinated: public hearing, EC (Environmental Clearance), NOC (No Objection Certification) & EIA

2005 – 2007: **Research Intern** at TATA Motors Ltd.

- ⇒ Worked in the field of: pollution control technology for enhancement in the phase separation of waste oily scum
- ⇒ Cost effective treatment technology study: ETP (Effluent Treatment Plant)
- ⇒ Make necessary arrangements for: HSE awareness programs for employees & providing platform
- ⇒ Learnt/assisted/implemented: industrial safety & environmental pollution control technology
- ⇒ Worked on: cleaner production & waste minimization strategies in CETP for optimum treatment efficiency
- ⇒ Learnt: role of consultancies and coordination between govt. with industries

Principal Investigator in Research Projects / Consultancy:

- 1) Co-PI. "Flood Risk Assessment over the Lower Tapi River Basin under changing Climate". Funded by GUJCOST, Government of Gujarat (Project cost: INR 50 lac)
- 2) Principal Investigator. "DRM Plan preparation of newly established campus of Rashtriya Raksha University". Funded by Rashtriya Raksha University, Gandhinagar (Project cost: INR 27 lac)
- 3) Principal Investigator: "Development and Pilot Implementation of Gujarat State Heat Action Plan (GSHAP)". Funded by Climate Change Department, Government of Gujarat (Project cost: INR 25 lac)
- 4) Principal Investigator: "Kitchen Waste based Biogas Plant" to be set-up at MEFGI. Funded by GEDA, Gandhinagar (Cost: INR 10 lacs)
- 5) Organizing Secretary: Quality Improvement Program on "Sensitization in Industrial Wastewater Treatment Processes and Cleaner Technology". Funded by Marwadi University (Cost: INR 1 lac)

Publications / Documentation:

Book / Training Modules / Knowledge Products:

- 17) P.K. Taneja, Dharmesh Silajiya, Rajesh Babu and **Chintan Pathak**, "*State Specific Guidelines for Dignified Management of the Dead*", GIDM-GFSU Publication. *Draft submitted*
- 16) P.K. Taneja, R.K. Patel, R.S. Joshi and **Chintan Pathak**, Training of Trainers Module on "*Disaster Risk Management for Livestock*", GIDM-DAH-AAU(VERU) Publication. *Draft submitted*
- 15) P.K. Taneja, Sanjay Joshi and **Chintan Pathak**, Training of Trainers Module on "*Risk Informed Gram Panchayat Development Plan*", GIDM-SIRD Publication. *Draft submitted*
- 14) P.K. Taneja, Sanjay Joshi, Shyamnarayan Dave and **Chintan Pathak**, Training of Trainers Module on "*Comprehensive School Safety*", GIDM Publication. *April 2020*. ISBN- 978-81-941697-7-2
- 13) P.K. Taneja, T.S. Bisht, Sanjay Joshi and **Chintan Pathak**, Virtual Classroom based Training Module on "*Role of Youth and Volunteers for Disaster Risk Management*", GIDM Publication. *March 2020*.
- 12) P.K. Taneja, Sanjay Joshi, Dharmesh Silajiya, Rajesh Babu and **Chintan Pathak**, Virtual Classroom based Training Module on "*Dignified Management of the Dead*", GIDM-GFSU Publication. *Feb' 2020*.
- 11) P.K. Taneja, T.S. Bisht, Col Ravinder Singh, Sanjay Joshi and **Chintan Pathak**, Training of Trainers Module on "*Role of Youth and Volunteers for Disaster Risk Management*", GIDM Publication. *Nov' 2019*. ISBN- 978-81-941697-5-8
- 10) P.K. Taneja, Sanjay Joshi, Dharmesh Silajiya, Rajesh Babu and **Chintan Pathak**, Training of Trainers Module on "*Dignified Management of the Dead*", GIDM-GFSU Publication. *Oct' 2019*. ISBN- 978-81-941697-3-4
- 9) P.K. Taneja, Susanta Sahoo and **Chintan Pathak**, "*Child-Protection in Emergencies*", GIDM-UNICEF Publication. *March 2018*.
- 8) P.K. Taneja, Susanta Sahoo and **Chintan Pathak**, "*A Compilation of 250 Schools (10 Districts) on Situation Analysis of Comprehensive School Safety Programme (CSSP)*", GIDM-UNICEF Publication. *March 2018*.
- 7) P.K. Taneja, Susanta Sahoo and **Chintan Pathak**, "*A Report on Situation Analysis of Comprehensive School Safety Programme (CSSP) in Gujarat*", GIDM Publication, Pages 1-55. *March 2018*.
- 6) V.S. Purani and **Chintan Pathak**, "*A Comprehensive Report on Certificate Course in Disaster Management*", GIDM Publication, Pages 1-46. *June 2017*.
- 5) Gadhavi, J.H. and **Pathak, C.**, "*Understanding Natural Disasters and Disaster Management*". Bharat Publications, Gujarat. 2016. ISBN: 978-93-5236
- 4) Meena, R.L., Kumar, S., **Pathak, C.** et al., "*Wildlife Rescue and Rehabilitation*". A training module for Biodiversity Conservation and Management. Biodiversity Conservation and Rural Livelihood Improvement Project, Gir Learning Centre, Wildlife Division, Sasan-Gir, Gujarat Forest Department. 2014.
- 3) Meena, R.L., Kumar, S., **Pathak, C.** et al., "*Eco-Development Initiatives in Gir Landscape*". A training module for Biodiversity

Conservation and Management. Biodiversity Conservation and Rural Livelihood Improvement Project, Gir Learning Centre, Wildlife Division, Sasan-Gir, Gujarat Forest Department. 2014.

- 2) Meena, R.L., Kumar, S., **Pathak, C.** et al., "Management Plan for Barda Wildlife Sanctuary", Gujarat Forest Department, Gujarat. 2014.
- 1) Meena, R.L., Kumar, S., **Pathak, C.** et al., "Management Plan for GIR Protected Areas", Vol.-1; Gujarat Forest Department. 2013.

Peer-review Publications:

- 23) Divyarajsinh Parmar, Bhvya Salvi, **Chintan Pathak** and Aditya Vora, "Variation detection in vegetation using Remote Sensing and GIS – A Case Study of Wadhvaan taluka, Surendranagar, Gujarat, India". International Journal of Science and Advance Research in Technology (IJSART). Vol. 4(4), April 2018, pp 1714-1718. ISSN: 2395-1052 Impact Factor: 4.284
- 22) Divyarajsinh Parmar, **Chintan Pathak** and Aditya Vora, "Identifying permanent and temporal habitats of Wild ass on human dominated landscape using remote sensing and GIS". International Journal of Applied Science and Technology Research Excellence (IJREB). Vol. 8(2), April 2018, pp 21-24. ISSN: 2250-2718 Impact Factor: 2.47
- 21) Divyarajsinh Parmar, **Chintan Pathak** and Aditya Vora, "Population and Distribution Mapping of Dispersed Asiatic Wild Ass in Human Dominated Landscape using Remote Sensing and GIS". International Journal of Scientific Research in Physics and Applied Sciences (IJSRPAS). Vol. 6(1), Feb' 2018, pp 1-5. E-ISSN: 2348-3423
- 20) **Pathak C Y**, Mandalia H C, Roy D, Jadeja R B, "Comparative Study of Ambient Air Quality Status of Ahmedabad and Gandhinagar City in Gujarat, India". International Journal of Chemical Science Transactions (IJCST). Vol. 4(1), 2015, pp89-94. ISSN: 2278-3318 (Online); 2278-3458 (Print) Impact Factor: 0.23
- 19) **Pathak C Y**, Roy D, Jadeja R B, Gupta A, Das S, "Biodiversity Conservation to Mitigate Environmental Pollution". International Journal of Agricultural Science & Technology (IJAST). Vol. 3(1), April 2014, pp.1-8. ISSN: 2319-880X Impact Factor: 0.8
- 18) **Pathak C Y**, Roy D, Das S, "Utilization of fly ash byproduct in synthetic zeolites". World J. Civ. Engin. Constr. Technol. Vol. 1(1), March 2014, pp.002-0011. (review article) ISSN: 1936-868X Impact Factor: 1.01
- 17) **Chintan Pathak** and Hiren C. Mandalia, "Importance of Ecological Research in Biodiversity Conservation". Journal of Applied Science & Research, Scientia Research Library, USA. Vol. 2(1), 2014, pp.101-102. (review article) ISSN: 2348-0416
- 16) **Chintan Pathak**, Chacko P. Chandy, Hiren Mandalia, Pankaj Yadav and Anurag Srivastava, "Climate Change: Global Response". Scholarly Journal of Scientific Research and Essay (SJSRE). Vol. 1(4), October 2012, pp. 78-80. ISSN: 2315-6163
- 15) **Chintan Pathak** and Hiren Mandalia, "Petroleum Industries: Environmental Pollution Effects, Management and Treatment Methods". International Journal of Separation for Environmental Sciences. Vol. 1(1), 2012, pp. 55-62. ISSN: 2163-3851
- 14) **Chintan Pathak**, V.K. Srivastava and D.N. Singh, "Optimization of Zeolite Synthesis using Microwave Assisted Acid Digestion Method". International J. of Current Research and Review (IJCRR). Vol. 4(9), May 2012, pp. 83-94. e-ISSN: 0975-5241 p-ISSN: 2231-2196 Indexed Copernicus: 4.18
- 13) **Chintan Pathak** and V.K. Srivastava, "Oil-Water Pha Separation using Fly Ash Zeolite Treatment". International J. of Current Research and Review (IJCRR). Vol. 4(8), April 2012, pp. 155-167. e-ISSN: 0975-5241 p-ISSN: 2231-2196 Indexed Copernicus: 4.18
- 12) **Chintan Pathak** and V.K. Srivastava, "Silica Reduction Technology for Fly Ash Zeolite Synthesis". Int. J. of Pure Appl. Sci. and Technol. (IJPAST). Vol. 9(1), March 2012, pp. 47-51. ISSN: 2229-6107 Impact Factor: 0.456 Indexed Copernicus: 6.74
- 11) V.K. Srivastava and **Chintan Pathak**, "Water quality status of river Sabarmati within A'bad city". Asian J. of water, environment and pollution, New Delhi. Vol. 9(2), 2012, pp. 85-90. p-ISSN: 0972-9860 e-ISSN: 1875-8568
- 10) Pankaj Yadav, **Chintan Pathak**, Hiren C. Mandalia, Kavita Pandey, "High efficiency ZnO:In/SiO₂/n-Si Hetero-junction Solar Cells". International J. of Chemical and Analytical Science. Vol. 3(4), 2012, pp. 1344-1348. ISSN: 0976-1206 Impact Factor: 0.649
- 9) **Pathak C.**, Mandalia, H.C. and Rupala Y.M., "Biofuels: Indian Energy Scenario". Internation Journal- "Research Journal of Recent Sciences". Vol. 1(4), April 2012, pp. 88-90. (review paper) ISSN: 2277-2502
- 8) Pankaj Yadav, Hiren C. Mandalia, **Chintan Pathak**, Kavita Pandey, "Indium Doped Zinc Oxide Thin Films". International J. of Chemical and Analytical Science. Vol. 3(3), 2012, pp. 1352-1356. ISSN: 0976-1206 Impact Factor: 0.649
- 7) **Chintan Pathak**, Hiren Mandalia and Yogesh Rupala, "Bio-cultural Importance of Indian Traditional Plants and Animal's for Environment Protection". International journal-"Review of Research". Vol. 1(6), March 2012, pp. 1-4. ISSN: 2249-894X Impact Factor: 1.6772

- 6) **Chintan Pathak** and Hiren C. Mandalia, "Impact of Environmental Pollution on Human Future". World J. of Environmental Pollution, IDOSI Publication, UAE. Vol. 1(2), 2011, pp.8-10.
ISSN: 2222-1360
- 5) V.K. Srivastava and **Chintan Pathak**, "Oil-water separation from waste oily mixture by physical treatment". Asian J. of water, environment and pollution, New Delhi. Vol. 8(3), July 2011, pp.47-50.
p-ISSN: 0972-9860 e-ISSN: 1875-8568
- 4) V.K. Srivastava and **Chintan Pathak**, "Ground water quality status of Ahmadabad city". J. of Indian Association for Environment Management, NEERI, Nagpur. Vol. 38(1), 2011, pp.26-29.
ISSN: 0970-8480
- 3) V.K. Srivastava and **Chintan Pathak**, "Ambient air quality status of Ahmadabad city". J. of Indian Association for Environment Management, NEERI, Nagpur. Vol. 37(2&3), 2010, pp.137-141.
ISSN: 0970-8480
- 2) V.K. Srivastava and **Chintan Pathak**, "Comparative study of catalyst performance for biodiesel production". J. of Oil Tech. Assoc., India. Vol. 42(2), April-June 2010, pp.64-65.
RN: 18734/69
- 1) V.K. Srivastava and **Chintan Pathak**, "Ambient air quality status of Gandhinagar city". J. of Indian Association for Environment Management, NEERI, Nagpur. Vol. 36(2), 2009, pp.88-91.
ISSN: 0970-8480

Popular Articles:

- 9) Chintan Pathak and Pathak, P.C., "Water Conservation through Community Participation". Aajkaal. p.10, 3rd Sept. 2014.
- 8) Chintan Pathak, Kumar, S., Pandey, C.N., Meena, R.L., Alam, S., "Barda Wildlife Sanctuary – Potential Habitat for Asiatic Lion". Environ. Vol. XII(3), p.5-8, Oct.-Dec. 2013.
- 7) Chintan Pathak, Kumar, S., Pandey, C.N., Meena, R.L., Alam, S., "Lioness Laxmi and her five Cubs". Environ. Vol. XII(3), p.50-53, Oct.-Dec. 2013.
- 6) Chintan Pathak, "Importance of Ecological Research in Biodiversity Conservation". Times of India. p.2, 28th Feb. 2014.
- 5) Chintan Pathak and Shamshad Alam, "Nourishment of Mankind through Water Conservation". Divya Bhaskar. p.2, 28th July 2013.
- 4) Chintan Pathak and Shamshad Alam, "Community Sensitization is only solution to stop Water Pollution". Divya Bhaskar. p.10, 22nd March 2013.
- 3) Chintan Pathak and Shamshad Alam, "Give Water to our children as Heritage". Divya Bhaskar. p.10, 12th March 2013.
- 2) Chintan Pathak, "Rules to enjoy forest Environment and Wildlife". Parisar, Gujarat Ecology Commission. Vol. 2, p.13, April 2007.
- 1) Chintan Pathak, "Agony of Asiatic Lion". Parisar, Gujarat Ecology Commission. Vol. 1, p.20, Jan. 2007.

Invited Talklets:

- | | |
|---------|--|
| 2020-21 | <p>UGC-Human Resources Development Centre, Gujarat University
"Understanding Basics of Disaster Risk Management"</p> <p>Institute of Forensic Sciences, National Forensic Sciences University
"Basics of Disaster Risk Management"
"Dignified Management of the Dead"</p> <p>Marwadi University
"Basics of Disaster Risk Management"</p> <p>Dept. of Sciences, School of Liberal Studies, Pandit Deendayal Petroleum University
"Basics of Disaster Risk Management"</p> <p>Ganpat University, Kherva
"Basics of Disaster Risk Management"</p> |
| 2019 | <p>Gujarat Police Academy, Karai
"Basics of Disaster Risk Management"</p> <p>Director of Research & Dean PG Studies, Kamdhenu University
"Disaster Management for Livestock"</p> <p>Department of Earth and Environmental Science, K.S.K.V. Kachchh University
"Basics of Disaster Risk Management"</p> <p>Dept. of Sciences, School of Liberal Studies, Pandit Deendayal Petroleum University
"Science in Every Day Life"</p> <p>VANDE Gujarat, BISAG through SATCOM Network
"Disaster Risk Management: Orientation Program for Anganwadi Workers"</p> |
| 2018 | <p>Dept. of Civil Engineering, Nirma University, Ahmedabad
"Orientation to Disaster Management"</p> <p>VANDE Gujarat, BISAG through SATCOM Network
"Disaster Management: Orientation Program for ASHA Workers"</p> |

- All India Radio, Aakashvani, Ahmedabad**
"Disaster Resilient Structure"
"Early Warning System"
"Migration Growth of Cities around the World"
- 2017 **NSS Regional Directorate, Ministry of Youth Affairs & Sports**
"Orientation to Disasters and Disaster Management"
"Role of Youth and Volunteers in Rescue and Relief"
- Saxion University of Applied Sciences, The Netherlands**
"Community Participation for Disaster Risk Reduction"
- E.C. Engineering Department, K.D. Polytechnic, Patan** (Commissionerate of Technical Education)
"Disaster Management and Risk Reduction"
- National Institute of Technical Teacher Training and Research (NITTTR)**
"Orientation to Disasters and Disaster Management"
- 2016 **Gujarat Jal Seva Training Institute (GJTI)**
"Understanding Disasters and Disaster Management"
- Adani Institute of Infrastructure Engineering (AIIE)**
"Disasters and Disaster Management"
- 2015 **Anand Agriculture University**
"Wildlife Rescue and Rehabilitation (A Case Study of Gir NP&S)"
- NCC Unit, **Christ College**, Rajkot
"Role of Youth in Disaster Management"
- Pandit Deendayal Petroleum University (PDEU)**
"Retreat of Glaciers and Climate Change of Kafni in the Himalayas"
- 2014 **All India Radio, Aakashvani, Rajkot**
"Water Purification"
- Training Wing, **Gujarat Water Supply and Sewerage Board (GWSSB)**
"Stream Water Monitoring"
- Central Laboratory, **Ahmedabad Municipal Corporation**
"Water Pollution Control"
- 2013 Wildlife Division, Sasan-Gir, **Gir National Park & Sanctuary**
"Importance of Environmental Education in Community Participation"
- Wildlife Division, Sasan-Gir, **Gir National Park & Sanctuary**
"Wildlife Rescue and Treatment"
- 2012 **All India Radio, Aakashvani, Ahmedabad**
 Talklets on various themes of *"Environmental Issues"*

Conference Presentations:

- 11) Divyarajsinh Parmar, Bhavya Salvi and Chintan Pathak, **"Application of Remote Sensing and GIS in identifying the movement of dispersed Asiatic Wild Ass at Human Dominated Landscape around Surendranagar Town"**. National Conference on Improve Conceptual Learning in Physics (NCICLP-2018), Dept. of Physics, Sheth M.N. Science College, Patan. 24th Feb' 2018. ISBN: 978-1-387-61856-9
- 10) Anju Sharma, IAS, Chintan Pathak and Sachin Bhagat, **"Implementing INSARG Marking System for Urban Search and Rescue (USAR) in India"**. International Conference on Safety (ICS) 2017, Safety Centre, IIT Gandhinagar. 3rd Jan' 2017.
- 9) N.N. Gosai and Chintan Pathak, **"Nuclear Energy: Alternative Energy Source"**. 9th National level Science Symposium on Recent Trends in Science and Technology. Christ College, Rajkot. 14th Feb' 2016.
- 8) Chintan Pathak, Shwetal Shah and Rohit Srivastava, **"Need of Assessment of Glaciers' Retreat as an Indicator of Climate Change: A Case Study of Kafni Glacier in the Himalayas"**. A Seminar on Climate Change in Indian Perspective, Dept. of Science, School of Technology, Pandit Deendayal Petroleum University. 23rd Dec' 2015.
- 7) V.K. Srivastava and Chintan Pathak, **"Application of Silica Reduction Technology for Fly Ash Zeolite Synthesis"**. J. of Solid Waste Technology and Management. The `28th International Conference on Solid Waste Technology and Management, Dept. of Civil Engg., Widener University, USA. 10th – 13th March 2013. ISSN 1091-8043
- 6) V.K. Srivastava and Chintan Pathak, **"Physical Treatment of Waste Oily Mixture of Automobile Industry to Separate Oil for Pollution Control"**. National Symposium on Advances in Separation and Purification Science and Technology, Dept. of Chem. Engg., G.H. Patel College of Engg. & Technology, V.V. Nagar. 4th – 5th February 2011. ISBN: 978-81-909376-4-1.
- 5) V.K. Srivastava, Chintan Pathak and Vikash Maheshwari, **"Environmental Systems in Petroleum Industries"**. Vignan Parishad: science excellence – Paper Presentation Competition, Dept. of Botany, University School of Sciences, Gujarat University, A'bad. 8th

January 2011. *first prize - best presentation*

- 4) V.K. Srivastava and Chintan Pathak, "**Ambient air quality status of Gandhinagar city**". International Congress of Environmental Research, University of Mauritius, Reduit (Mauritius). 16th – 18th September 2010.
- 3) V.K. Srivastava and Chintan Pathak, "**A SAXS and TEM study of Zeolite Nanoslabs**". National conference on Nanomaterials and Nanotechnology, VNIT, Nagpur. 18th – 20th January 2010.
- 2) V.K. Srivastava and Chintan Pathak, "**Oil-water separation from oily mixture collected from automobile industry using physical treatment**". National conference on Chemistry for the Protection of Environment (NCCPE), PIET, Nagpur. 18th – 19th December 2009.
- 1) M.R. Gidde and C.Y. Pathak, "**Enhancement of phase separation of waste oily scum (A case study at TATA Motors Ltd.)**". National conference on Environment and Safety 2008, Dept. of Environmental Engineering, K.I.T.'s College of Engineering, Kolhapur and Institute of Indian Foundrymen, Kolhapur Chapter. 12th – 13th January 2008.

Guidance:

- ❖ 3rd Sem. M.A. Police Administration, Rashtriya Raksha University
"**A Study on Training Need Assessment for Role of Police in DRM**", Internship under GIDM-RRU MoU. 21st Sept. – 15th Dec' 2020
- ❖ 4th Sem. M.Sc. Forensic Sciences (Odontology), IFS, Gujarat Forensic Sciences University
"**Dignified Management of the Dead**", Internship under GIDM-GFSU MoU. 1st Feb. – 31st April 2020
- ❖ 8th Sem. B.Sc. Physics (Hons.) students, SLS, Pandit Deendayal Petroleum University
"**Role of Green Infrastructure in Climate Change Adaptation and building Climate Resilience in Ahmedabad City**", Internship under GIDM-PDEU MoU. 1st Feb. – 15th April 2020
- ❖ Col. Ravinder Singh, 1 Guj Arty Bty NCC Gujarat and Student of National Institute of Mass Communication & Journalism (NIMCJ)
"**Interlinking of Hospitals for Real-time Integrated Approach to Disaster Management in the event of a Mass Casualty Event (Study Crisis Communication Approach for Area of Ahmedabad Municipal Corporation)**", Internship at GIDM. 15th March – 14th Feb' 2020
- ❖ 8th Sem. B.A. Geography (Hons.) students, Ambedkar University
"**Applying Participatory Rural Appraisal (PRA) to GIDM Housekeeping Staff**", Internship at GIDM. 10 – 28th June 2019
- ❖ Ph.D. Guidance as Co-Supervisor in Faculty of Sciences, C.U. Shah University, Surendranagar
Topic "**Geo-spatial Evaluation of Dispersal of Asiatic Wild Ass in Human Dominated Landscape in and around Wild Ass Sanctuary, Gujarat, India**". Year of Completion Jan' 2019; Name of Student Dr. Divyarajsinh Parmar
- ❖ 7th Sem. B.E. Env. Engg. students, Marwadi University
"**Green Adsorption Technique for Wastewater Treatment**", GTU Innovation Council Project. 1st Aug. – 31st Dec. 2014
- ❖ 7th Sem. B.E. Env. Engg. students, Marwadi University
"**Change Detection of Rajkot City using Remote Sensing & Geographical Information System**", GTU Innovation Council Project. 1st Aug. – 31st Dec. 2014
- ❖ 6th & 4th Sem. B.E. Env. Engg. students, Marwadi University
"**Design of Water Treatment Units**", E-courses offered by GERMI. 1st May – 30th Oct. 2014
- ❖ B.E. Env. Engg. students, Marwadi University
"**Prayaas**", World Environment Day celebration organized by MEFGI. 5th June 2014
- ❖ B.E. Env. Engg. students, Marwadi University
"**GTU Tech Fest 2014**", Technical Festival organized by GTU. 28th – 29th March 2014
- ❖ B.E. Env. Engg. students, Marwadi University
"**World Water Day**", Celebration organized by MEFGI. 22nd March 2014
- ❖ 4th Sem. B.E. Env. Engg. students, Marwadi University
"**BLISS 2014**", Summer School on Sustainability, TERI University, New Delhi. 10th – 14th March 2014
- ❖ 6th Sem. B.E. Env. Engg. students, Marwadi University
"**Chemical Engineering for Rural Development**" in National Symposium (AZeotopy'14), IIT Bombay. 8th – 9th March 2014

Reviewer:

- 4) Reviewer in "**Disaster Management Plan**" in CCDM at GIDM
- 3) Reviewer in "**Journal of Technological Advances and Scientific Research**", Mysore.
eISSN: 2454-1788
- 2) Reviewer in "**Materials Performance and Characterization**" an ASTM Publications, USA.
ISSN: 2165-3992
- 1) Reviewer cum Mentor in "**Chlorophyll**" an open access (CC-BY-SA) quarterly e-magazine published by Mahiru Foundation, India.
ISSN: 2348-5752

Membership:

- 10) Volunteer of National Disaster Management Authority (NDMA), Government of India. Relief, Rescue and Response Volunteer.

- 9) Member of *National Information Centre of Earthquake Engineering (NICEE)*, IIT Kanpur. Member / 15SY1359.
- 8) Member of *IUCN Commission on Environmental, Economic and Social Policy (CEESP)* 2013-16. Member.
- 7) Member of *Universal Association of Civil, Structural and Environmental Engineers (UACSE)*. Associate Member / AM1010001785 / 2014.
- 6) Member of *Asia-Pacific Chemical, Biological & Environmental Engineering Society (CBEES)*. Senior Member / 101058 / 2014.
- 5) Member of *International Society of Engineers (IAENG)*. Member / 148448 / 2014.
- 4) Member of *International Society for Environmental Information Sciences (ISEIS)*.
- 3) Member of *Indian Society for Hydraulics (ISH)*.
- 2) Member of *Indian Environment Network (IEN)*.
- 1) Member of *Sports Development Association of India (SDAI)*.

Conferences / Workshops:

- 41) *5-day Online Certificate Course on "Risk Management of Biological and Cascading Hazards: In the Context of Pandemics"*. GIDM, IITR, Keio University, RIKI India, ARISE India. 12-16th Oct' 2020.
- 40) *International Conference on "Virtual 2020 Asia Pacific Science and Technology Conference on DRR (eAPSTCDRR)"*. UNDRR, AKADEMI SAINS and seadpri. 15th Oct' 2020.
- 39) *International Training Workshop on "IDRR Webinar on Disaster Risk Governance"*. UNDRR. 13th Oct' 2020.
- 38) *International Webinar on "Enhancing and Assuring Sustainable Development with Holistic Approach"*. LTJET, GUJCOST, DST. 13th Oct' 2020.
- 37) *International Training on "HOPE Refresher Course"*. ADPC, USAID and NSET. 4-6th Oct' 2020.
- 36) *One Week National e-Training on "Wildlife Conservation and Management"*. College of Forestry, Akola. 2-6th Oct' 2020.
- 35) *Webinar on "World Environment Day: Biodiversity and Climate Change"*. Gujarat Climate Change Dept. 5th June' 2020.
- 34) *Webinar on "Nano Technology in Water and Wastewater Treatment"*. Indian Water Works Association (IWWA). 20th May 2020.
- 33) *Webinar on "Kerala's Strategies on COVID-19"*. APHRDI, Andhra Pradesh. 7th May 2020.
- 32) *Webinar on "Climate Change Adaptation in COVID Impacted World"*. Sphere India. 30th April 2020.
- 31) *Webinar on "Role of Youth Volunteers in Promoting Gender Equality and Addressing GBV as part of the COVID-19 Response"*. APHRDI, Andhra Pradesh. 24th April 2020.
- 30) *Self-Study Online Course on "Global Disaster Risk Reduction and Management Pathway"*. Humanitarian Leadership Academy (KAYA), Humanitarian Learning Centre. 22nd April 2020.
- 29) *Webinar on "COVID-19 Pandemics – Disaster Management Perspective"*. APHRDI-NIDM. 22nd April 2020.
- 28) *Four Day International Training Workshop on "Rapid Structural and Non-Structural Risk Assessment of School Buildings"*. SDMC (IU)-GIDM-GeoHazard Society. 21-24th Jan' 2020.
- 27) *One Day State Level Conference on "Gram Panchayat Development Plan (GPDP)"*. State Institute of Rural Development & Panchayat Raj, Gujarat State and UNICEF. 5th Sept 2019.
- 26) *One Day Networking Meeting with Premier Institutes, Universities and other Organizations on "Rural Development and Panchayati Raj"*. State Institute of Rural Development & Panchayat Raj, TN. 11th April 2019.
- 25) *National Workshop on "Preparedness, Mitigation & Management of Heat Wave, 2019"* National Disaster Management Authority (NDMA) and Government of Maharashtra. 27-28th Feb' 2019.
- 24) *1st Forensic Consultation Forum for India 2018 on "Humanitarian Forensics and Dignified Management of the Dead"* International Centre for Humanitarian Forensics (ICHF), GFSU. 25-26 Sept' 2018.
- 23) *Regional Training on "Climate Resilient Production System and Promotion of Agri-preneurship"* GIDM-SIRD-NIRD. 21-25 May 2018.
- 22) *Workshop on "Urban Risk Reduction and Resilience"* GIDM-NDMA-UNISDR. 17-20 April 2018.
- 21) *Workshop on "Climate Smart Governance"* GIDM-IIPA. 19-27 March 2018.
- 20) *Workshop on "Role of Cities in addressing Climate Change"* GIDM-WWF. 19-21 March 2018.
- 19) *Participated in "Application of Space Technology in Monitoring and Managing Risks"* SDMC IU, GIDM. 24-26 May 2017.
- 18) *Participated in "National Platform for Disaster Risk Reduction (NPDRR)"* Ministry of Home Affairs, Delhi. 15-16 May 2017.
- 17) *Participated in "1st Asian Ministerial Conference on Disaster Risk Reduction (AMCDRR)"* Ministry of Home Affairs, Delhi. 3-5 Nov' 2016.
- 16) *Participated in "1st National Essay Competition on Water 2015-16"*. Central Ground Water Board, New Delhi.
- 15) *Participated in "Personal Effectiveness Programs"*. Marwadi University, Rajkot.
- 14) *Participated in "Faculty Development Programs"*. Marwadi University, Rajkot.
- 13) *Participated in "Study Exposure tour of Periyar Tiger Reserve, Kerala and Kalakad-Mundanthurai Tiger Reserve, Tamilnadu"*. BCRLIP-Gir.
- 12) *Workshop on "Landscape Mapping and Monitoring for Technical Staff and Mid-Level Officers"*. Wildlife Institute of India, Dehradun.
- 11) *National workshop on "Habitat of Asiatic Lion"*. Wildlife Division, Sasan-Gir, Gir NP&S.
- 10) *Training on "Rescue Operations & Human Wildlife Conflict Mitigation Initiatives taken by Gir Management"*. Wildlife Division, Sasan-Gir.
- 9) *Training on "Wildlife Rescue and Treatment"*. Wildlife Division, Sasan-Gir.
- 8) *Training on "Capacity building of Students and Academicians in environment related issues with special emphasis on Cleaner Production"*. L.D. College of Engg.
- 7) *National conference on "Uses of Hindi for awareness in Technology and Science"*. IPR.
- 6) *International symposium on, "Advances in Earthquake Science-2011"*. ISR.

- 5) National seminar on, "Fostering Healthcare for All". PDEU.
- 4) International conference on "Themes of Higher Education: Prospects of Gujarat". KCG and PDEU.
- 3) National conference on "Integrated Energy Policy: issues and challenges". PDEU.
- 2) National conference on "Clean coal technology". CESR, PDEU.
- 1) National conference on "Environment education learning's from ICEF-way forward". ICEF.

MoUs:

Assisted/Coordinated MoU with CHARUSAT, PDEU, CDHG, GFSU, SIRD, NCC, IIPA, MSU, KSKV Kuchh University, GUJCOST, SPU, MSU as per following details:

Sr. No.	MoU partner/Date	SPOC person
1.	CHARUSAT / 29-Oct-2018	Dr. Hiteshri Shashtri, Assoc. Professor, Dept. of Civil Engg.
2.	Civil Defence & Home Guards / 5-March-2020	Mr. A.A. Shaikh, Dy. SP and Commandant, Civil Defence Training School
3.	SIRD / 03-Dec-2018	Smt. Neela Patel, Core Faculty (Social Sciences)
4.	RRU / 05-April-2018	Dr. Akshat Mehta, Assoc. Professor and University Dean, SISPA
5.	GPA Karai / 07-April-2018	Mr. N.H. Patel, Asst. Director (Classroom Trainings)
6.	NCC / 27-Aug-2019	Lt Col Prashant Malik, Addl. Director (Trg), NCC Directorate Gujarat
7.	PDEU / 16-April-2019	Dr. Tejas Thaker, Assoc. Professor and HoD, Dept. of Civil Engg., SoT
8.	GFSU / 29-Feb-2018	Dr. Rajesh Babu, Assoc. Professor and Coordinator, ICHF
9.	KSKV Kachchh University / 21-Sept-2020	Dr. Gaurav Chauhan, Asst. Professor
10.	GUJCOST / Oct-2020	Dr. Narottam Sahoo, Advisor
11.	Sardar Patel University / Nov-2020	Dr. Paresh Mordhara, Asst. Professor and PO-NSS
12.	The Maharaja Sayajirao University of Baroda, Vadodara / Nov-2020	Dr. Bindu Bhatt, Professor and Director (Offig.)

Professional Services:

- 18) Volunteer 2020-22, 2019-20 Wildlife Crime Control Bureau, Ministry of Environment, Forests and Climate Change (MoEFCC), Gol.
- 17) LEAD India Fellow – 2015.
- 16) Lead the team to accomplish Schedule-1 Auditor Certification from GPCB.
- 15) Organized Study Exposure Tour Visits & Training Programs for students to various Research Organizations and Industries.
- 14) Volunteer 2015-16 Wildlife Crime Control Bureau, Ministry of Environment, Forests and Climate Change (MoEFCC), Govt. of India.
- 13) Marketing representative for Dept. of Environmental Science & Engg., MEFGL.
- 12) Branch representative for "Industry-Institute Interaction Cell", MEFGL.
- 11) Core Committee Member of GTU for revising syllabus of "B.E. Environmental Science and Engineering".
- 10) Trained forest officials on "Importance of Communication in Wildlife Conservation" at Wildlife Division, Sasan-Gir.
- 9) Resource Person in "Prakruti Shikshan Talim Shibir" at Wildlife Division, Sasan-Gir.
- 8) Course Coordinator of "Music Style and Idea" at SLS, PDEU.
- 7) Resource Person in "National Science Day Celebration" at PDEU Science Forum 2012.
- 6) Coached students of PDEU in Camp for "Environmental education learning", at (1) Jambughoda forest and at (2) Gir forest.
- 5) Assisted students of PDEU, in Industrial Internship and Rural Internship.
- 4) Participated in "Lion Census 2015", "Lion Census 2010" and "Leopard Census 2011" as a "Researcher" at Gir forest.
- 3) All India Radio recordings in "Prakruti" on various themes of environment for environmental awareness.
- 2) Field work on "Water, health and quality of life in Pune" in collaboration with department of geography, university of cologne, Germany.
- 1) Project done on "Environmental impact assessment of stone crushers" and "Orthopaedic hospital waste (issues and disposal)".

Extracurricular Activities:

- 11) National Service Scheme (NSS) Program Officer / Unit Head at MEFGL.
- 10) Faculty-In-Charge GTU Youth Festival XITIJ – 2014, Rajkot Zone; 12th-14th Sept. 2014.
- 9) Mentor for Technical/Non-technical Club activity for B.E. Environmental Engineering students at MEFGL.
- 8) National Cadet Corps (NCC) "C"-certificate, No.1 Gujarat Air Squadron NCC, Baroda.
- 7) Cleared Pilot Aptitude Battery Test. Completed 45 minutes of Microlight flying through NCC, Baroda Air Field.
- 6) Coaching in Mountaineering, Gujarat State Mountaineering Institute, Mount Abu.
- 5) Trekking to Kafni Glacier (12850 feet) by Himalayan Adventure Training Program.
- 4) Volunteered in NSS for rescue and relief for flood-affected people of Sangli district, Maharashtra.
- 3) Worked in youth for Disaster Management as a volunteer in NSS.
- 2) Completed "Madhyama Purna" in Vocal from Akhil Bharatiya Gandharva Mahavidyalaya.
- 1) Participated in district level swimming competition.