

Summary of Curriculum Vitae (C V)

Name Kunwar Durg Vijay Singh Yadav (K D Yadav)
Date of Joining @SVNIT: 01 August, 2007
Current Position Professor
Department of Civil Engineering
Specialization Environmental Engineering



Area of Interest Ecological Sanitation
❖ Solid & Hazardous Waste Management
❖ Composting/Vermicomposting of Organic waste
❖ Reuse/Recycle of Greywater

Educational Details:

Degree	Year	Board/University	% of Marks/CGPA
PhD (Solid Waste)	2009	IIT, Kanpur	7.3/10
M E (Environment)	2000	Vikram University	76 %
B E (Civil)	1996	Nagpur University	75 %

Experience: Teaching cum Research: 17 Years at SVNIT Surat

Research: 01 Year at IIT, Kanpur (Senior Project Associate in Ganga Action Plan Project)

Teaching Subjects:

UG Level: Water Treatment & Distribution system (Environmental Engineering-1, Industrial Safety & Environmental, Waste to Energy Technologies, Solid Waste & Hazardous Waste

PG Level: Solid & Hazardous Waste Management, Sustainable Waste Management

Supervision/ Guided	Completed	Running
Ph D	07	04
M.Tech	42	03

Research Projects:

- 1) Development of Technology for Co-composting of Leafy, Vegetable and Food waste. Funding Agency: DST Duration: 2009-12 Amount: 8.4 Lakh - **PI**
- 2) Development of Greywater Filter. Funding Agency: SVNIT Duration: 2012-2014 Amount: 7.2 Lakh- **PI**
- 3) Development and Performance Evaluation of Household and Community Solar Water Disinfection Systems. Funding Agency: DST Duration: 2009-12 Amount: 14 Lakh – **CO-PI**
- 4) Use of Water Treatment Sludge for the Post-Treatment of UASB Reactor Treating Municipal Wastewater. Funding Agency: DST Duration: 2014-17 Amount: 16.9 Lakh – **CO-PI**
- 5) Pilot scale deployment of greywater treatment system by using constructed wetland system for student hostel/residential tower. Funding Agency: GEMI, Gandhinagar: 2013-25 Amount: 4.8 –**PI**

6) Intellectual property right (IPR)

1. **Process/Product Patent:** 02 No (A system for composting of flower waste and a method thereof) (PatentNo: 381773 dated 12-11-2021 and Greywater Treatment System Using Combination of Phytoremediation and Filtration (Patent No: 484342 Date of Issue: 18-12-2023, The Patent Office, Government of India,
2. **Registration of Design:** 08 No (Composter, Dry Leaves Cutting Machine, Flower Waste Pulveriser, Rotatory Composter for Organic waste, Flower waste composter, Garden Waste Shredder, Greywater Treatment Reactor, Organic Waste Mixer)

Publication	ESCI/SCI Journal	Scopus Journal	International Conference	National Conference	Book Chapter	Book (Edited)	Technical Manual
	26	25	37	10	08	02	01

Best Paper Award: 05 (ICACEE 2017, London,UK, Recycle-2016 IIT, Guhawati,,India, ICECB-2013 Stockholm, Sweden, ISSWM, 2023 Kolkata, ICSPT-2024, NIT Raipur)

Taken Initiative/ New Development

Laboratory:

- ❖ Solid Waste Management/ Composting Laboratory

Elective:

- ❖ Sustainable Waste Management
- ❖ Waste to Energy Technologies

Set-up of Cell:

- ❖ Set up of Hindi Cell and Starting of Magazine “Sammukh”
- ❖ Set up of Unnat Bharat Abhiyan Cell

Set-up of Pilot Scale Plant:

- ❖ Composting Plant for MSW Management
- ❖ Bio-gas plant from hostel food waste – Gajjar Hostel
- ❖ Greywater Treatment plant – Pilot scale 500L/day
- ❖ Flower waste to compost plant 25 kg/day
- ❖ Garden waste to compost plant at PIL, Surat

Institute Level:

- Associate Dean (Research and Consultancy) -02 Years
- Incharge – Registrar, SVNIT, Surat -01 Year
- Professor Incharge Administration -01 Year
- Regional Coordinator –Unnat Bharat Abhiyan-04 Years

Departmental Level:

P G Incharge- Environmental Section, Coordinator (Accreditation (UG+PG), Industry- Alumni Liaison Officer, Swachhata Committee member

Outreach activities:

- National Expert for City Compost Policy (MOUHA, Govt of India)
- Solid Waste Management Expert: Hon National Green Tribunal
- International Ecosan Expert- Capacity Building Training
- Environmental Auditor – Gujarat Pollution Control Board
- Research Project Evaluation committee member- Ministry of Science & Technology, DSIR, Delhi

Detailed Curriculum Vitae (C V)

Name Dr Kunwar Durg Vijay Singh Yadav
(Dr K D Yadav)

Date of Birth 29-11-1974

Current Position Professor
Department of Civil Engineering
S V National Institute of Technology
Surat- 395 007 Gujarat, India



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Specialization Environmental Engineering

Area of Interest Ecological Sanitation,
Solid Waste Management,
Composting/Vermicomposting of Organic Waste
Reuse/Recycle of Greywater

Teaching Experience: 17 Years
Assistant professor - Aug 2008 to Jan 2018 at SVNIT, Surat
Associate Professor- Jan 2018 to Dec 2023 at SVNIT, Surat
Professor- Dec 2023 till today at SVNIT, Surat

Research Experience: 01 Year
Senior Research Associate Dec 2000 to Dec 2001 at IIT Kanpur

Expert/Key Position

- ❖ Solid Waste Management Expert- Hon National Green Tribunal
- ❖ Waste Management Expert – Surat Municipal Corporation, Surat
- ❖ International Ecosan Expert: Capacity Building Trainer for Ecological Sanitation
- ❖ Environmental Auditor- Gujarat Pollution Control Board
- ❖ National Compost Expert- GIZ/ MoU&UA, New Delhi

Educational Details:

Degree	Year	Board/University	% of Marks/CPI
PhD (Environment)	2009	IIT Kanpur	7.3/10
M E (Environment)	2000	Vikram University	76 %
B E (Civil)	1996	Nagpur University	75 %

Granted Patent:

1. Composter (Design No: 300440 Date of Issue: 01-02-2019)
2. Dry Leaves Cutting Machine (Design No: 320230-001 Date of Issue: 16-11-2020)
3. Flower Waste Pulveriser (Design No:334122-001 Date of Issue: 27-11-2020)
4. Rotatory Composter for Organic waste (Design No:336824-001 Date of Issue: 02-02-2021)
5. Flower waste composter (Design No:331236-001 Date of Issue: 09-06-2021)
6. Garden Waste Shredder (Design No: 348117-001 Date of Issue: 06-10-2021)
7. A System for Composting of Flower Waste and A Method Thereof (Process Patent No. 381773 Date of Issue: 12-11-2021)
8. Greywater Treatment Reactor (Design No: 340462-001 Date of Issue: 11/01/2023)
9. Greywater Treatment System Using Combination of Phytoremediation and Filtration (Patent No: 484342 Date of Issue: 18/12/2023)
10. Organic Waste Mixer (Design No: 415571-001 Date of Issue: 24/07/2024)

Membership of professional bodies:

1. Indian Water Works Association (IWWA)
2. International Water Association (IWA)
3. National Solid Waste Association of India (NSWAI)
4. International Solid Waste Association (ISWA)

International Course: Sustainable Sanitation- Decentralized, Natural and Ecological Wastewater Treatment, June 01-25, 2010, Norwegian University of Life, Sciences, MDCCLIX. Norway

Research Projects

Period	Sponsoring Organization	Title of Project	Amount of Grant-INR	PI, Co-PI
2009 -12	DST	Development of technology for co-composting of leafy, vegetable and food waste (Under young scientist scheme)	8.4 Lakh	PI
2009-12	DST	Development and performance evaluation of household and community solar water disinfection systems	14 Lakh	Co-PI
2014-16	SVNIT	Design of filter for greywater treatment	7.2 Lakh	PI
2014 -17	DST	Use of water treatment sludge for the post treatment of UASB reactor for treating municipal wastewater	16.9 Lakh	CO-PI
2023	GEMI, Gandhinagar	Pilot scale deployment of greywater treatment system by using constructed wetland system for student hostel/residential tower	05 Lakh	PI

Awards:

- ❖ Rashtriya Shikhar Samman for promotion of Rajbhasha Hindi
- ❖ GATE- Scholarship
- ❖ MHRD Scholarship

Best Paper/Poster/ Research Award

- 2nd International Conference on Environment, Chemistry and Biology. 13-14 December, 2013 at Stockholm, Sweden.
- International Conference on waste management (Recycle-2016), 01-02 April, 2016 organized by Department of Civil Engineering. IIT Guwahati.
- 19th International Conference on Architectural, Civil and Environmental Engineering, 23-24 November, 2017 London
- Best poster award” Multi phase system for greywater treatment and its usage. OTCB program on developing treated wastewater reuse facilities during 8 - 22 March, 2021.
- Best paper award “Removal of dye using water hyacinth and its optimization using response surface methodology, IC2S2TD, 24 – 26 November 2021.
- Best paper award “Composting condition of garden waste: A study in Surat city”, ISSWM, IEM , Kolkata, 22nd – 23rd September 2023
- Best paper award “Novel Approach to Microplastic Analysis: FTIR Spectroscopy for Accurate Identification in Environmental Samples” (ICSPT-2024) 19-20 Jan, 2024

Book Chapter:

- Training material on composting and vermicomposting published by Europion Union for Asia Pro Eco-programme in 2007
- Urine Diversion Dehydration Toilet (UDDT) Construction Manual, published by Ecosan Services Foundation (ESF), Pune, India in 2009
- Application of AHP model for assessing the performance of municipal solid waste management, Book chapter in Application of soft computing techniques in civil engineering published by Viva Books Private Limited India in 2018
- The Potential of Biogas Production from Water Hyacinth by Using Floating Drum Biogas Reactor. Integrated Approaches Towards Solid Waste Management published by Springer in 2021
- Challenges and opportunities for disposal of floral waste in developing countries by using composting method, Advanced Organic Waste Management: Sustainable Practices and Approaches’, published by the Elsevier in 2022

- A Review of the Indian Scenario of E-waste Management: Generation, Effect, and Material Recovery Method, Recent Advances in Sustainable Waste Management Practices, published by Springer in 2023
- Selection of Landfill Leachate Treatment Methods According to the Age of Landfill Leachate, Recent Advances in Sustainable Waste Management Practices, published by Springer in 2023
- Sequential Treatment of MSW Landfill Leachate by Primary Treatment Followed by Gravel and ZVI Filter Media as Filter Technique, Water and Environment, Volume 2, published by Springer in 2024

Books (edited):

- Technological Advancements in Waste Management: Challenges and Opportunities: Select Proceedings of TAWMCO 2023 edited by Vipin Kumar, Brajesh Kumar Dubey, Kunwar D. Yadav, published by Springer Nature 2024
- Recent Advances in Sustainable Waste Management Practices: Proceedings of SWMP 2023 edited by Kunwar D. Yadav, Namrata D. Jariwala, Amit Kumar, Alok Sinha, published by Springer Nature 2023

Ph D Supervision:

1	Harshul J Pakeh (DS09CE104)	Performance evaluation and ranking of municipal solid waste	March, 2016
2	Dilip M. Ghaitidak (DS11CE007)	Greywater treatment options for its reuse: A comparative study”	May, 2016
3	Dayanand Sharma (DS13CE008)	Design and development of technologies for the degradation of flower Waste”	August, 2018
4	Neelam S Sharma (DS14CE001)	Dark greywater treatment by filtration system and treatment selection by using soft computing tools (FMCDM & AHP)	March, 2019
5	Anudeep Nema (D16CE001)	Treatment of greywater by using vertical flow constructed wetland in continuous flow”	June, 2021
6	Rajnikant Prasad (DS17CE005)	Constructed Wetland- Floating Plant (Eichhornia Crassipes) Treatment System and Filtration System for Greywater Treatment	August, 2022
7	Sandeep Mishra (D18CE009)	Design and Development of technology for garden waste management.	February 2024
8	Suraj Vasava (D19CE013)	Design and development of technology for sugarcane waste disposal	Running
9	Pranat Jain (DS20CE008)	Fate of micro-plastic in river bodies	Running

10	Abhay Kumar (DS21CE007)	Hazardous waste leachate management	Running
11	Chandrashekhar Parab (D22CE003)	Development of indigenous micro inoculum from food waste for degradation of lignocellulosic waste	Running

M Tech Supervision (42 Completed; 03 Running)

S.No.	Name	Year	Title of Thesis
1	Nirbhay Jadav (P07EN209)	2009	Economic feasibility of technologies available for disposal of solid organic wastes”
2	Pandya Daxesh H (P08EN214)	2010	Composting of leafy, food and vegetable waste
3	Ganvit Bhupesh (P08 EN215)	2010	Co-Composting of leafy, food and vegetable waste
4	Harsoara Mayurkumar (P09EN220)	2011	Effect of temperature on co-composting of leafy, food and vegetable waste in control and ambient condition
5	Siddharth M Choksi	2011	Catalytic Wet Air Oxidation of Industrial Effluents Containing Phenols and High COD
6	Neelam S Sharma (P10EN226)	2012	Effect of retention time and aeration on greywater treatment
7	Abhishek H Shah (P11EN001)	2013	Determination of wastewater quality index for common effluent treatment plant
8	Mayur S Papalkar (P11EN024)	2013	Composting of flower waste
9	Jamin C Rana (P12EN015)	2014	Performance and analysis of natural and artificial media in horizontal filter for greywater treatment
10	Sonal S Dharne (P12EN 016)	2014	Performance study of multilayer filter for greywater treatment
11	Prajyoti Urganlawar (P12EN014)	2014	Performance of low cost locally available media for greywater treatment
12	Aarthy Vijay (P12EN004)	2015	Performance analysis of locally available media in pre-filter for greywater treatment
13	Hema Kumar (P13EN010)	2015	Composting of flower waster using sawdust and dry leaves as bulking agents
14	Vimal Raj (P14EN001)	2016	Comparison of aerobic and anaerobic composting for flower waste degradation
15	Bhavesh Mehta P14EN002	2016	Economic and technical feasibility of treatment technologies
16	Anudeep P14EN006	2016	Greywater treatment by using local media

17	Prateek Mishra (P15EN004)	2017	Vermicomposting of textile dying sludge with cow dung by using <i>Eisenia foecida</i>
18	Dhaneesh K H (P15EN008)	2017	Treatment of greywater using water hyacinth wetland system
19	Surya Teja (P 15EN012)	2017	Potential of bio-gas production from water hyacinth by using floating drum bio gas reactor
20	Ravuri Narendra (P16EN002)	2018	Development of the cleaning process in the management of plastic waste”
21	Laxmidhar Husain (P16EN017)	2018	Optimization of environmental parameters for windrow composting of city compost plant
22	Jain Mukul Jaiprakash (P17EN004)	2019	Co-composting of food waste using different bulking agent and bio-culture
23	Shravan Gohil (P17EN006)	2019	Performance of Anaerobic Digestion of Flower Waste
24	Chillapalli Sandeep (P17EN015)	2019	Removal of Heavy Metals (Cr+6 & Cu+2) using water Hyacinth as an Adsorbent
25	A Krishna Kumar (P18EN011)	2020	Assesment of ground water quality for irrigation purpose using irrigation indices and study on impact of flower waste compost on soil properties
26	Grishma Parmar (P17EN015)	2020	Vegetable and fruit (peels) waste composting for community
27	G Meghna (P17EN016)	2020	Vegetable and fruit (peels) waste composting by using stack composter
28	Mayuna Jeenu (P19EN010)	2021	Design of free water surface constructed wetland using volumetric and areal models
29	Jadhav Shubham Sanjay (P19EN008)	2021	“Categorisation of plastic waste and potential of recycling to reduce the CO ₂ emission- a case study of Kolhapur City”
30	Rathod Dharmik Gordhanbhai (P19EN007)	2021	“Assessment of microplastics in a river – A case study of tapi river in surat city”
31	Shhubhangi Bhatia (P20EN001)	2022	Application of packed bed reactor and activated sludge process for the treatment of wastewater from water jet looms
32	Sanky Singh (P20EN004)	2022	Pilot scale study: effect of variation in retention time on greywater treatment
33	Atchala Madhusudan Reddy (P20EN008)	2022	Assesment of water quality for ukai reservoir by using remote sensing applications
34	Khushvant Singh Rathore (P20EN009)	2022	Performance analysis of locally available material in multi media filter for greywater treatment
35	Reddy Pavan Kalyan Sai (P20EN012)	2022	Role of bulking agent (coconut husk and saw dust) during in-vessel composting of flower waste
36	Anuj Dharmendrabhai Bhatt (P21EN023)	2023	Pretreatment of MSW Landfill Leachate by Coagulation-Flocculation and Zero Valent Ions (ZVI)
37	Aakrut Vinodbhai Patel (P21EN003)	2023	Comparison of Planted Constructed Wetland With or Without Media for Greywater Treatment

38	Akash Govind Rathod (P21EN017)	2023	Performance Evaluation of Zvi Media (HCIF & SIP) For Primary Treated Industrial Wastewater
39	Ujjaval Sarvaiya (P21EN020)	2023	Material Recovery and Reuse from E-waste (Computers) to Find Out Potential For Circular Economy
40	Manik Chandra Barman (P22EN005)	2024	Enhancing Flower waste composting through effective moisture control using Domestic Ash
41	Dinesh Singh Suryavanshi (P22EN006)	2024	Composting of Garden Waste by Adding Culture Prepared From Food Waste
42	Ashwin Thorat (P22EN010)	2024	Degradation of Flower Waste by Using Composting and Vermicomposting
43	Meet Patel (P23EN002)	Ongoing	Utilization Of Agriculture Waste As Waste To Fuel Option By Using Torrefaction Method
44	Yash Rathi (P23EN016)	Ongoing	Interpretability of machine learning modes for Torrefaction : a study using explainable AI
45	Om Pandya (P23EN008)	Ongoing	Evaluating Natural Adsorbents for Landfill Leachate Adsorption: A Column Study Approach

Journal and Conference Publications: 99

Journal: **52** (International -44 and National-08)

Conference: **47** (International -37 and National-10)

Publications in International and National Journals

S.No	Author(s)	Year	Title	Reference of Journal/ Book proceeding
International Journal				
44	Chandrashekhar Parab, K. D. Yadav	2024	A review on green waste composting, role of additives and composting methods for process acceleration	Environmental Science and Pollution Research DOI: 10.1007/s11356-024-35429-6
43	Suraj Asava, Dayanand Sharma, Chandrashekhar Parab, Anudeep Nema, Ousmane Lass Donzo, Amit Kumar, K. D. Yadav	2024	Exploring Sustainable Waste Solutions: Evaluating Mixing Ratios in Agitated Pile Composting with Sugarcane Agro-Industrial Waste	Pollution DOI:10.22059/poll.2024.376557.2373

42	Suraj Asava, Dayanand Sharma, Chandrashekhar Parab, Rajnikant Prasad, K. D. Yadav	2024	Enhancing Nutrient-Enriched Compost through Optimized Co- Composting of Sugarcane Bagasse in Tropical Environments	International Journal of Recycling of Organic Waste in Agriculture DOI: 10.57647/ijrowa-txnh- sf32
41	Chandrashekhar Parab, Sandeep Kumar Mishra, K. D. Yadav	2024	Conversion of food waste into nutrient-rich compost and analysing the effect on physico- chemical parameters by using leaf powder and sawdust as bulking agents	International Journal of Environmental Studies DOI: 10.1080/00207233.20 24.2339731
40	Rajnikant Prasad, Dayanand Sharma, Ashutosh Kumar Pandey, K. D. Yadav , Sunil Kumar, Hussameldin Ibrahim	2024	Effect of plant density and hydraulic retention time on phytoremediation of greywater using water hyacinth and validation of its optimized result using artificial neural network	The Canadian Journal of Chemical Engineering DOI:10.1002/cjce.250 27
39	Chandrashekhar Parab, K. D. Yadav , Vimalkumar Prajapati	2023	Genomics and microbial dynamics in green waste composting: A mini review	Ecological Genetics and Genomics DOI: 10.1016/j.egg.2023.10 0206
38	Anudeep Nema Rajnikant Prasad Dayanand Sharma K. D. Yadav Robin A.Christian Hussameldin Ibrahim	2022	Performance evaluation of different macrophytes in small-scale vertical flow constructed wetlands for greywater treatment using principal component analysis	The Canadian Journal of Chemical Engineering DOI: 10.1002/cjce.24527
37	Rajnikant Prasad Dayanand Sharma K.D.Yadav Hussameldin Ibrahim	2022	Sustainable ternary treatment system for greywater and potential reuse	The Canadian Journal of Chemical Engineering DOI: 10.1002/cjce.24521
36	Mishra S., Yadav K.D.	2022	Assessment of the effect of particle size and selected physico- chemical and biological parameters on the efficiency and quality of composting of garden waste	Journal of Environmental Chemical Engineering.10, 107925

35	Anudeep Nema, Rajnikant Prasad, Dayanand Sharma, Kunwar. D. Yadav , R. A. Christian, Hussameldin Ibrahim	2022	Performance evaluation of different macrophytes in small-scale vertical flow constructed wetlands for greywater treatment using principal component analysis	Can J Chem Eng.2022, 1-14 DOI: 10.1002/cjce.24527
34	Rajnikant Prasad, Dayanand Sharma, Kunwar. D. Yadav , Hussameldin Ibrahim	2022	Sustainable ternary treatment system for greywater and potential reuse	Can J Chem Eng.2022, 1-12 DOI: 10.1002/cjce.24521
33	Sandeep Kumar Mishra, Kunwar D Yadav	2021	Application of locally available microbial inoculant to accelerate green waste composting at a community level	Bioresource Technology Reports,2021, 16, 100859
32	Rajnikant Prasad, Kunwar D Yadav	2021	Optimisation of crystal violet and methylene blue dye removal from aqueous solution onto water hyacinth using RSM	Pollution 2021, 7(4): 799-814
31	Sandeep Kumar Mishra, Kunwar D Yadav	2021	Disposal of garden waste using food waste inoculant in rotary drums and their ranking using analytical hierarchy process	Bioresource Technology Reports,2021, 15, 100710
30	Rajnikant Prasad, Dayanand Sharma, Kunwar. D. Yadav , Hussameldin Ibrahim	2021	Preliminary study on greywater treatment using water hyacinth	Applied Water Science (2021) 11:88
29	Rajnikant Prasad, Dayanand Sharma, Yadav., K. D., Hussameldin Ibrahim	2021	Eichhornia Crassipes as Biosorbent for Industrial Wastewater Treatment: Equilibrium and Kinetic Studies	Canadian Journal of Chemical Engineering, 2021;1-12.
28	Sharma Dayanand., Pandey., A.K., Yadav., K. D., Kumar Sunil	2021	Response surface methodology and artificial neural network modelling for enhancing maturity parameters during vermicomposting of floral waste	Bioresource Technology 324, 124672.
27	Prasad, R., Sharma Dayanand, Yadav., K. D.	2020	Preliminary study on effect of detention time on nutrient removal from greywater using water hyacinth	Water Conservation and Management, 5(1), 8-13.
26	Anudeep Nema, Dhaneesh K. H, Yadav., K. D., Robin A. Christian	2020	A Small-Scale Study for the Treatment of Grey Wastewater Through Free Surface Constructed Wetlands Using Water Hyacinth Plant	Recent Trends in Civil Engineering, 77, 963-972.
25	Prasad, R., Yadav., K. D.	2020	Use of response surface methodology and artificial neural network approach for methylene blue removal by adsorption onto water hyacinth	Water Conservation and Management, 4(2), 83-89.

24	Nema, A., Yadav, K. D. , Christian, R. A.	2020	A small-scale study of plant orientation in treatment performance of vertical flow constructed wetland in continuous flow	International journal of phytoremediation 22(8),849-856.
23	Nema, A., Yadav, K. D. , Christian, R. A.	2020	Sustainability and performance analysis of constructed wetland for treatment of greywater in batch process	International journal of phytoremediation 22 (6), 644-652.
22	Sharma Dayanand., Raj, C. V., Yadav K.D. ,	2019	Assessment of Maturity and Quality of Compost Through Evolution of Aerobic and Anaerobic Composting of Flower Waste	Waste Management and Resource Efficiency (Book) 543-554
21	Sharma Dayanand, Yadav K.D. , Kumar Sunil	2018	Biotransformation of Flower Waste Composting: Optimization of Waste Combinations using Response Surface Methodology	<i>Bioresource Technology</i> 270, 198-207
20	Sharma N ., Yadav K.D. , Jariwala, N.	2018	Effect of organic loading rate and retention time on pollutant reduction in a batch process for greywater treatment	Desalination and Water Treatment 118, 268-273
19	Sharma Dayanand, Yadav K.D. , Kumar Sunil	2018	Role of saw dust and cow dung on compost maturity during rotary drum composting of flower waste	<i>Bioresource Technology</i> 264, 285-289.
18	Sharma Dayanand, Yadav K.D	2017	Bioconversion of flower waste: Composting using dry leaves as bulking agent,	<i>Environmental energy research</i> , 22(3)237-244.
17	Nema, A., Yadav, K. D. , Christian, R. A.	2017	Effect of retention time on primary media for greywater treatment	Water Conservation and Management, 1(1) 01-03
16	Sharma Dayanand, Varma VS, Yadav K.D , Kalamdhad AS	2017	Evolution of chemical and biological characterization during agitated pile composting of flower waste,	<i>International journal of recycling of organic waste in agriculture.</i> 6, pp (89-98).
15	Sharma Dayanand, Dilip M Ghaitidak., Yadav K.D	2016	Composting methods and co-composting of organic substrates: a review	International journal- Ecology, Environment and Conservation 749-756.
14	Dilip M Ghaitidak., Yadav K.D	2016	Greywater treatment for reuse: comparison of reuse options by using AHP	Journal of Water Reuse and Desalination 6(1), 108-124.
13	Sharma Dayanand, Yadav, K.D	2015	Co-composting and vermicomposting of industrial sludge waste management.	<i>Discovery</i> , 2015, 40(183), 201-207

12	Parekh, H., Yadav K D. , Yadav, S.M., Shah, N.C	2015	Identification and Assigning Weight of Indicator Influencing Performance of Municipal Solid Waste Management Using Analytical Hierarchy Process.	Korean Society of Civil Engineering, 19(1)36-45
11	Dilip M Ghaitidak., Yadav K.D	2015	Reuse of greywater: effect of coagulant.	Desalination and Water Treatment, 54 (9), 2410-2421.
10	Dilip M Ghaitidak., Yadav K.D	2015	Effect of coagulant in greywater treatment for reuse: Selection of optimal coagulation condition using Analytic Hierarchy Process.	Desalination and Water Treatment, 55:4, 913-925
9	Dilip M Ghaitidak., Yadav K.D	2014	An investigation on greywater treatment options for reuse: ranking by analytic hierarchy process.	Environmental Engineering and Management Journal Available online
8	Dilip M Ghaitidak., Yadav K.D	2013	Characteristics and treatment of greywater--a review	Environmental Science and Pollution Research, 20, 2795-2809
7	Parekh, H., Yadav K D. , Yadav, S.M., Shah, N.C	2013	Evaluation of collection and transportation of Municipal Solid Waste Management System in JnNURM cities in Gujarat, India: A Case Study of Ahmedabad, Surat, Vadodara and Rajkot	International journal of Scientific research, Published, Vol.2- Issue-7, July, 2013
6	Yadav, K D. , Tare , V., Ahammed, M. M	2012	Integrated Composting-vermicomposting process for stabilization of human fecal slurry.	Ecological Engineering, 47, 24-29
5	Yadav, K D. , Tare , V., Ahammed, M. M	2011	Vermicomposting of source-separated human faeces by <i>E. fetida</i> : Effect of stocking density on feeding consumption rate, growth characteristics and vermicompost production.	Waste Management, 31, 1162-1168
4	Yadav, K D. , Tare , V., Ahammed, M. M	2010	Vermicomposting of Source Separated Human Faeces for Nutrient Recycling.	Waste Management, 30, 50-56
3	Yadav, K D. , Tare , V., Ahammed, M. M	2010	Influence of Soil Characteristics on Biomass Growth and Reproduction of Earthworm <i>Eisenia fetida</i>).	Dynamic Soil Dynamic Plant, 4(1)108-112
2	Tare , V. , Yadav, K D	2009	Fate of Physico-chemical Parameters During the Composting of Human Feces	Global Journal of Environmental Research, 3 (1), 18-21.

1	Yadav, K D. , Tare , V., Ahammed, M. M	2008	Vermicompost as Biofiltration Media to Control Odor from Human Feces.	Global Journal of Environmental Research, 2 (1), 18-22.
National Journal				
8	Nema, A., Yadav, K. D. , Christian, R. A.	2020	A pilot-scale comparison of four filter media for use in the constructed wetland to treating greywater	Indian Journal of Environmental Protection
7	Sharma., Yadav K.D. , Jariwala, N.	2018	Kitchen greywater treatment by using natural and artificial filter media	Indian Journal of Environmental Protection 38(12), 975-982.
6	Dilip M Ghaitidak., Yadav K.D	2014	Potential of greywater to sustain the water demand- a case study of SVNIT, Surat	Journal of Indian Water Works Association, India. July-Sep 2014, 98-104.
5	S Satish., Yadav, K D	2013	A study of Religious Town Pandharpur in relation to sanitation & water management	Journal of Indian Water Works Association. Jan-March, 2013, 58-67.
4	Yadav, K D. , Ganvit, B	2013	Variation in Temperature during Co-Composting of Leafy, Food and Vegetable Waste.	Journal of Environmental Sciences, 55(4), 417-426.
3	Yadav, K D. , Jadav , N., Ganvit, B	2011	Comparison of technologies on economical aspects for municipal solid waste processing.	Indian Journal of Environmental Protection, 31(8), 684-690.
2	Yadav, K D. , Mistry, N J., Pandya, D., Ganvit, B	2011	Variation in temperature during composting of food and vegetable waste	Journal of Environmental Sciences & Engineering, 5 (4), 07-17.
1	Yadav, K D. , Mistry, N J., Pandya, D., Ganvit, B	2010	Composting of food and vegetable waste	Journal of Environmental Sciences, 4 (4), 27-38.

Paper publication in Conference (International/National)

Conference: **55** (International -45 and National-10)

S.No.	Author(s)	Year	Title	Name and Place of Conference
International				

45	Jain, P., Yadav, K. D. , Dholakiya, B. Z.	2024	Micro-plastic Pollutants in the River Sediments: Risk Assessment Study of River Tapti, Gujarat	1st National Conference on Microplastic Research (NCMR-2024) organized by Indian Institute of Technology, Madras in collaboration with Frontiers Lab Singapore, 01-02 March, 2024.
44	Jain, P., Yadav, K. D. , Dholakiya, B. Z.	2024	Novel Approach to Microplastic Analysis: FTIR Spectroscopy for Accurate Identification in Environmental Samples	International Conference on Separation and Purification Techniques: Environmental Applications (ICSPT-2024) 19-20 Jan, 2024, National Institute of Technology, Raipur,
43	Abhay Kumar, Anuj Bhatt, K. D. Yadav	2024	Sequential treatment of MSW landfill leachate by Primary Treatment followed by gravel and ZVI filter media as filter technique. Water and Environment	International Conference of Water Resources, Ocean And Environmental Engineering ICWROEE 2024 (10-11) Feb 2024. NIT Silchar
42	Chandrashekhar Parab, Aakrut Vinodbhai Patel, K. D. Yadav	2024	Comparative Analysis of Lab-Scale Constructed Wetlands with and without Media Using Water Hyacinth for Greywater Treatment	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24) 1-2 March 2024 (PDEU) Gandhinagar
41	Chandrashekhar Parab, K.D. Yadav	2024	Evaluating the Efficiency of Garden Waste Composting for C/N Reduction Using a Fuzzy Rule-Based Approach	International Conference on Conference on Waste Recycling & Environmental Technology (WRET-2024) 8-9 Feb 2024
40	Chandrashekhar Parab, K.D. Yadav	2023	Thermochemical Processes for Garden Waste Management and Selecting the Best Method using Analytical Hierarchy Process	International Conference on Net Zero Emission Technologies for Sustainable Development: Challenges & Opportunities (NOET-2023) 16-17 Dec. IIT (ISM) Dhanbad
39	Abhay Kumar, K.D. Yadav	2023	MSW landfill leachate color removal by using coagulation and flocculation followed by filtration processes	International Symposium on Sustainable Waste Management ISSWM-2023 22nd – 23rd September 2023 IEM, Kolkata

38	Chandrashekhar Parab, K.D. Yadav	2023	Composting Condition of Garden Waste: A Study in Surat City	International Symposium on Sustainable Waste Management ISSWM-2023 22nd – 23rd September 2023 IEM, Kolkata
37	Rajnikant Prasad, Kunwar D Yadav	2021	Removal of dye using water hyacinth and its optimization using response surface methodology	Virtual International Conference on Chemical Sciences in Sustainable Technology and Development (IC2S2TD-2021), 24th – 26th November 2021
36	Rajnikant Prasad, Anudeep Nema, Kunwar D Yadav	2021	Sustainable greywater treatment system using floating plant treatment system, sand and activated charcoal filter	International Conference on Chemical, bio & environmental engineering (CHEMBIOEN-2021). Aug 20-22 2021, NIT Jalandhar
35	Mishra, S., Prasad, R., Nema, A., Kunwar D Yadav	2021	A review paper on utilisation of biodegradable waste at domestic level and kitchen waste trend for municipal cities in India	International Conference on Green Chemistry and Engineering towards Sustainable Development – An Industrial Perspective, 16-18 June 2021, SVNIT Surat
34	Nema, A., Prasad, R., Mishra, S., Kunwar D Yadav	2021	Solid waste management and its associated challenges and opportunities	International Conference on Green Chemistry and Engineering towards Sustainable Development – An Industrial Perspective, 16-18 June 2021, SVNIT Surat
33	Prasad, R., Yadav, K. D	2020	Multireactor System for Greywater Treatment	Virtual International Conference On Chemical Sciences in Sustainable Technology and Development (IC ² S ² TD- 2020), 1-3 December, 2020
32	Mishra, S., Yadav, K. D	2020	Role of microbial inoculant in garden waste composting.	5 th Eurasia Waste management Symposium, 26-28 October, 2020, Turkey (Virtual)
31	Pottipati, S., Yadav K.D., Kalamdhad A.S.	2020	The potential of biogas production from water hyacinth by using floating drum biogas reactor	3 rd International conference (Recycle-2020), 13-14 February, 2020, IIT Guwahati, India
30	Nema, A., Prasad, R., Yadav, K.D., Christian , R.A	2020	Treatment of greywater by free water surface constructed wetland with water hyacinth plant in batch mode operation – A lab scale study	International conference on Chemical, Bio, & Environmental Engineering (CHEMBIOEN-2020), 13-14 February, 2020, NIT, Jalandhar, India

29	Prasad, R., Nema, A., Yadav, K.D. ,	2020	Role of <i>Eichhorniacrassipes</i> in the treatment of greywater in continuous process	International conference on Chemical, Bio, & Environmental Engineering (CHEMBIOEN-2020), 13-14 February, 2020, NIT, Jalandhar, India
28	Nema, A., Yadav, K.D. , Christian , R.A	2019	A lab scale batch study of free water surface constructed wetland for water hyacinth plantation	International conference on Innovative trend in Civil Engineering of Sustainable development, (ITCSD-2019), 13-15 September, 2019 NIT, Warangal, India
27	Prasad, R., Yadav, K.D. ,	2019	Optimization of process parameter by RSM for removal of methylene blue using stem of water hyacinth	International conference on Innovative trend in Civil Engineering of Sustainable development, (ITCSD-2019), 13-15 September, 2019 NIT, Warangal, India
26	Prasad, R., Yadav, K.D. ,	2019	Water hyacinth- A sustainable solution to river health	International conference on River Health : Assessment of restoration (RHAR-2019), 14-16 February, 2019, IIT BHU-Varanasi, India
25	Chillapalli, S., Yadav, K.D. , Doki, M.M	2018	Flower waste-A potential resource	8 th International conference on sustainable waste management. 22-24 November, 2018 Guntur , A.P. India
24	Sharma Dayanand , Yadav, K.D	2017	Vermicomposting of flower waste: Optimization of maturity parameter by response surface methodology,	International Conference on clean water, air and soil, Bangkok, Thailand, August 25-27, 2017
23	Neema Anudeep, Yadav, K.D , Christian R.A	2017	Effect of retention time on primary media for greywater treatment	International Conference on clean water, air and soil, Bangkok, Thailand, August 25-27, 2017
22	Sharma, Yadav, K.D	2016	Disposal and Management of Solid Waste of Suart city: A case study.	International Conference on Recent Advances in Civil Engineering. Department of Civil Engineering, Cochin University of Science and Technology, Cochin, Kerala India. January 14-16, 2016. ISBN: 978-93-80095-72-1 pp (188-194).

21	Sharma Dayanand, Yadav, K.D	2016	Potential of flower waste for waste to energy concept	International Conference on Sustainable Municipal Waste Processing Technology for Developing Nations. Organized by Surat Municipal Corporation, Suart India. February (18-19). pp (34).
20	Sharma Dayanand, Yadav, K.D	2016	Rotary Drum Composting of Flower Waste and Ranking Using Analytical Hierarchy Process	International Conference on waste management (Recycle-2016), 01-02 April, 2016 organized by Department of Civil Engineering. IIT Guhati.
19	Jariwala Hinal , Yadav, K.D	2016	Effect of Different Coagulants on Pathogens Present in Greywater	International Conference on waste management (Recycle-2016), 01-02 April, 2016 organized by Department of Civil Engineering. IIT Guwahati.
18	Yadav, K.D; Rana Jaimin C, Sharma Neelam S	2015	Performance analysis of natural and artificial media in horizontal filter for greywater treatment	14 th International Conference on Environmental Sciences and Technology (CEST2015) Rhodes, Greece during 3-5 September, 2015.
17	Yadav, K.D	2013	School sanitation- a case study of Surat city	2 nd International Conference on Environment, Chemistry and Biology. 13-14 December, 2013 at Stockholm, Sweden
16	Dilip M. Ghaitidak* , Yadav, K.D	2013	Greywater Treatment – A Brief Review in Indian Context	International Conference on Global Scenario in Environment and Energy, 14-16 March, 2013 Organized by Department of Energy & Chemical Engineering, MANIT Bhopal, India. ISBN: 978-81-7800-286-6 pp 512-520.
15	Yadav, K D	2013	Degradation of human faeces and role of bulking material (domestic ash)	International Conference on Waste Wealth and Health(ICWWH-2013) 15-17 February, 2013 organized by International Institute of Waste Management, at Bhopal, India
14	Harshul, Parekh., Yadav, K D., Yadav, S M., Shah, N.C	2013	Feasibility study and modernization of solid waste transportation system- A case study of Pune.	International Conference on Waste Wealth and Health(ICWWH-2013) 15-17 February, 2013 organized by International Institute of Waste Management, at Bhopal, India

13	Sharma , N; Ghaitidak, M; Yadav, K.D	2012	Effect of aeration and retention time on greywater characteristics (poster).	International conference on Decentralized wastewater management in Asia, 20-22 November, 2012, NERRI, Nagpur, India
12	Foram , D., Dave, S., Ahammed, M.M., Chaudhari, R., Yadav K.D	2011	Disinfection of natural water using solar radition with or without solar concentrators.	International conference on sustainable water resource management and treatment technologies (Water-2011), 19-21 January, 2011, NERRI, Nagpur, India
11	Yadav, K D., Tare, Vinod., Mansoor, Ahammed	2009	Growth and Reproduction of Earthworms (<i>Eisenia foetida</i>) in human faeces	3 rd Specialized International Conference Decentralized Water &Wastewater International Network, 10-13 November, 2009, Kathmandu, Nepal
10	Yadav, K D., Tare, Vinod	2009	Influences of soil type on biomass growth and reproduction of <i>Eisenia foetida</i> during vermicomposting of human faeces.	3 rd Specialized International Conference Decentralized Water &Wastewater International Network, 10-13 November, 2009, Kathmandu, Nepal
9	Yadav, K D., Mansoor Ahammed	2007	Effect of Fly ash on biomass growth and reproduction of <i>Eisenia foetida</i>	International Conference “EMASS 2020”. 26-27 December, 2007, Ujjain, India
8	Yadav, K D., Hait, Subrata., Tare , V	2007	Source separation techniques for recovery of nutrients from human excreta.	World Toilet Summit 2007. 31 st October to 3 November, New Delhi, India.
7	Yadav, K D., Digar, Antara., Hait, Subrata., Tare , V	2007	Conventional sanitation scenario in India: A critical evaluation on sustainability	International Conference on Advanced Sanitation, 12-13 March, Aachen, Germany
6	Hait, Subrata; Digar, Antara., Yadav, K.D., Tare, V	2007	Relevance of present water-borne sanitation system for human excreta management.	International Conference on Civil Engineering in the New Millennium: Opportunities and Challenges (CeNeM-2007), 11-14 January, Bengal Engineering and Science University, Shibpur, Howarh, WB, India
5	Hait, Subrata; Yadav, K.D., Tare, V	2006	Wastewater Generation and Treatment Scenario for Selected Indian Metros and Cities.	International Conference on Management, Wastewater and Environment: Challenges for the Developing Countries, 13-15 September, Kathmandu, Nepal.

4	Yadav, K.D., Reddy, K.K., Hait, Subrata., Tare, V	2006	Role of Fly ash During the Vermicomposting of Human Waste.	International Conference on Management, Wastewater and Environment: Challenges for the Developing Countries, 13-15 September, Kathmandu, Nepal.
3	Yadav, K.D., Tare, V	2006	An Approach for Conversion of Dry Toilet Waste to Vermicompost"	Second International Dry Toilet Conference (DT 2006)16-19 August, Tampere, Finland
2	Reddy, K.K., Yadav, K.D., Tare, V	2005	Conversion of Fecal Matter to Humus Using Earthworm Species <i>Eisenia foetida</i> .	9 th International Conference on Ecosan, 25-26 November, Mumbai, India
1	Tare, V., Yadav, K. D. V. S., Digar Antara	2005	A Paradigm Shift in Solid Waste Management Practices – A Necessity	International Seminar –Parthvi 2005, Sustainable land Use and Waste Management, 19-28 February, Thiruvananthapuram, Kerla, India
National				
10	Mishra, S., Yadav, K. D	2020	Particle size effect on composting of garden waste using in-vessel composting	Advances in chemical sciences and technology for environment and sustainability (ACSTES- 2020) 27 February, 2020
9	Sharma , N; Yadav, K.D	2012	Effect of hydraulic retention times for the treatment on Greywater	National Conference on ETTT 2012. L D College of Engineering, Ahmedabad.
8	Prasad B, M; Yadav, K.D	2011	Potential of kitchen waste to generate of bio gas	3rd International Congress on Environmental Research (ICER- 2011) 15-17 December, 2011, SVNIT, Surat
7	Harsora, M; Yadav, K.D	2011	Effect of Temperature on Covering Heap during Co-composting of Leafy, Food and Vegetable Waste	3rd International Congress on Environmental Research (ICER- 2011) 15-17 December, 2011.SVNIT, Surat
6	Yadav, K.D Jadav, N; Ganvit B, Harsora, M	2011	Economic evaluation of anaerobic digestion and composting for animal dung processing	National Conference on New Horizons for Sustainable Tomorrow. 18-19 February, 2011. SCET, Surat,
5	Dharmendra., Yadav, K.D	2008	Studies on Upflow Anaerobic Fixed Film Fixed Bed (UAFFB) Reactor For Treatment Of High BOD Wastewater	National Conference on Sustainable Urban Environment: Issues and Management Strategies. 27-29 February, 2008, SV NIT, Surat, Gujarat, India
4	Yadav, K.D., Hait, Subrata., Satvat, P.S; Tare V	2006	Role of Various Inoculums During Precomposting of Leafy Waste	National Conference on Environmental Conservation, 1- 3 September, BITS Pilani, India

3	Sonkar, S., Yadav, K. D	2006	A Feasibility of Human Waste for Composting and Vermicomposting Process.	National Symposium on Issues and Challenges for Environmental Management: Vision 2025, 17-19 February, BBAU Lucknow, India.
2	Satvat, P.S., Yadav, K. D	2004	Comparative Study of Aerobic Composting and Vermicomposting for Stabilization of Organic Wastes	Workshop on Environmental Pollution –Perspective and practices, 30 th April, IET Lucknow, India
1	Puri, D., Bhandari, H. S., Srivastava, P., Yadav, K D S., Satvat, P.S., Tare, V	2003	Meliorated Vermicomposting for Processing Human Excretions as a Terminal Step in Eco-sanitation	National Conference on Advances in Environmental Science and Engineering, 8-9 December, IIT Mumbai, India.

Key Consultancy Work:

- ✓ Vetting Report for DPR on Integrated Solid Waste Management for Urban and Rural Areas of Daman District, Department of Urban Development, UT of Daman & Diu
- ✓ Solid Waste Disposal Site (Khajod)- Scope of study, report and estimation of unorganized disposal waste by using scientific method.
- ✓ Vetting of Design and Drawing and technical supervision of construction Hazardous waste secure landfill(TSDF)
- ✓ To Prepare HAZOP study report, root cause analysis report and action plan in reference to closure order dated passed bu unit head Mehsana of GPCB
- ✓ Consultancy service to reduce continuous abnormal noise of air blowers and subsequent common discharge header(s) at Sigapore STP
- ✓ Adequacy/performance and vetting of technology Integrated fixed film activated sludge (IFAS).
- ✓ Preparation of Adequacy and Efficacy of Environmental Management System and Odor Management Plan
- ✓ Study to review the current impact of the compost policy
- ✓ Developing operation, segregation, treatment and production facility of city compost and RDF from Municipal Solid Waste as per Solid Waste Management Rules, 2016 and amended thereafter.
- ✓ Technical supervision for construction, scientific closure and bio-mining of site of solid waste site at Surat, Gujarat
- ✓ Third Party Inspection Work for Laying of Sewer line, Pumping station / sump well construction, Water and wastewater treatment plant

- ✓ Vetting of reports for STP/ETP/ Nano bubble technologies etc
- ✓ Vetting of technologies for Role of micro algae in nutrient removal, Effect of chlorine dose on open drain, etc
- ✓ Forest and lake conservation plan
- ✓ Source apportionment study for Hindalco Industry at Dahej

Institute Level -Administrative Responsibility

From	Designation
September 2024 onwards	Prof Incharge- International Affairs
February 2021 -2023	Associate Dean (R&C)
February, 2019 -2024	Co-ordinator –Regional Coordinating Institute -UBA
February, 2020- Jan,2021	Prof Incharge (Administration)
March 2019-February 2020	Incharge- Registrar
August, 2017	Coordinator- Swachhcata Committee
November, 2016-2018	Co-ordinator –Unnat Bharat Abhiyan (UBA)
December, 2008	Prof I/C- Solid Waste Management
December, 2008	Prof I/C- PRO
August, 2008	Co-ordinator -Department Library
Dec, 2007 to Dec,2008	Associate Warden
Dec, 2008 to June,2015	Prof I/C- Hindi Cell
June,2011 to Nov,2014	Prof /C- Estate & Store
Nov,2011 to Nov, 2015	Prof I/C- Housekeeping
June,2014 to June,2016	Warden
Jan, 2012 to July,2018	Board Member -SVNIT School Committee

Departmental Level -Administrative Responsibility

From	Designation
August, 2021 till today	Cleanliness and Hygiene committee B Tech Accreditation committee M Tech Accreditation committee Industry and alumni interaction committee
August, 2021 till today	PG Incharge- Environmental Section
July, 2017- April, 2019	PG Incharge- Environmental Section
July, 2017	Accreditation Coordinator (UG+PG)
July, 2017	Incharge- Audio-video room
Aug 2015-Aug 2017	Laboratory Incharge_ Model, Building Material, Geology
Aug 2015-Aug 2017	Accreditation Coordinator (UG+PG)
Sep 2011-Aug 2013	Coordinator- Departmental Library

Sep 2011-Aug 2013	Laboratory Incharge_ Model, Building Material, Geology
Aug 2008-Aug 2011	Coordinator Service to Community & Tribal Development
Aug 2008-Aug 2011	Coordinator- Departmental Library
Aug 2008-Aug 2011	Laboratory Incharge_ Model, Building Material, Geology

Conference/ Conclave Organized:

- International Conference on Environmental Science and Technology (ICEST-2024), 19th to 21st December 2024.
- National Conference on Sustainable Urban Environment: Issues and Management Strategies (SUIMS-08), 27-29 February, 2008
- TEQIP –II sponsored National Conference on Noise and Air Pollution: Monitoring and Modelling (NAP-2017), 17-18 March, 2017
- Department conclave during 06 August, 2022.
- National Conference on Sustainable Waste Management Practices-SWMP 2023 during 27-28 January, 2023
- Golden jubilee celebration for Environmental Engineering Section during 29 January, 2023.

Training/Workshop Organized:

1. One day Workshop on “How to Convert the Organic Waste in to Organic Manure” 19th January and 07th March, 2008 for Villagers at Surat, Gujarat, India
2. National Conference on Sustainable Urban Environment: Issues and Management Strategies. 27-29 February, 2008 at SV National Institute of Technology, Surat, Gujarat, India
3. AICTE Sponsored Summer School on Sustainable Water and Wastewater Management Techniques 27-31 July, 2009 at SVNIT, Surat.
4. AICTE Sponsored Winter School on Engineering Drawing Using CAD 23-27 November, 2009 at SVNIT, Surat. Gujarat, India.
5. Two Days National Workshop on Ecological Sanitation 20-21 October, 2011 at SVNIT, Surat. Gujarat, India.
6. Two Days National Workshop on Natural Energies Conservation and Use 29-30 September 2011 at SVNIT, Surat. Gujarat, India.

7. Two Days Workshop on Sensation Awaking Workshop 4-5 February, 2012 at SVNIT, Surat. Gujarat, India.
8. One Day Workshop on Rajbhasha Software Training 21 April, 2012 at SVNIT, Surat. Gujarat, India.
9. One Week National Workshop on Intensive Hindi Training 23-27 July 2012 at SVNIT, Surat. Gujarat, India.
10. Two Days Regional Workshop on Ecological Sanitation 09-10 October, 2012 at SVNIT, Surat. Gujarat, India
11. One Week National Workshop on Hindi Translation Training 26-30 November 2012 at SVNIT, Surat. Gujarat, India
12. One Day Workshop on Hindi Software Training 10 January, 2013 at SVNIT, Surat. Gujarat, India.
13. One Day Promotional Camp for Tribal People Help 30 March, 2013 at SVNIT, Surat. Gujarat, India.
14. One Week National Workshop on Intensive Hindi Translation and Training 01-05 April, 2013 at SVNIT, Surat. Gujarat, India.
15. TEQIP Sponsored One week short term training programme on Sustainable Waste Management Techniques 03-07 June, 2013 at SVNIT, Surat. Gujarat, India.
16. Three Days Workshop on Rajbhasha Rules and Software Training 17-19 July, 2013 at SVNIT, Surat. Gujarat, India
17. One week Workshop on Hindi Software Training 21-25 October, 2013 at SVNIT, Surat. Gujarat, India.
18. Three Days Workshop on Accreditation, 20-22 May, 2014 at SVNIT, Surat. Gujarat, India
19. Short Term Course on Advances in Waste Management Techniques, 23-27 June, 2014 at SVNIT, Surat. Gujarat, India.
20. One week Workshop on Rajbhasha Rules Software Training, 24-28 February, 2014 at SVNIT, Surat. Gujarat, India.
21. Three days workshop on Rajbhasha Rules and IT Tools, 15-17 August, 2014 at SVNIT, Surat. Gujarat, India.
22. One day workshop on Nuclear Energy, 31 August, 2014 at SVNIT, Surat. Gujarat, India.
23. National Conference on Rajbhasha Hindi, 14-15 May, 2015 at SVNIT, Surat. Gujarat, India
24. Two-week ISTE workshop on Environmental Studies, 02-12 June, 2015 at SVNIT, Surat. Gujarat, India
25. Short Term Training Programme on Environmental Auditing Made Easy: Basics and Analytical Test Procedure, 21-23 April, 2016, at SVNIT, Surat. Gujarat, India

26. Short Term Course on Waste Management in Smart Cities 09-13 May, 2016 at SV NIT, Surat. Gujarat, India.
27. Short Term Training Programme on Environmental Auditing Made Easy: Basics and Analytical Test Procedure, 19-23 September, 2016 at SV NIT, Surat. Gujarat, India.
28. Short Term Training Programme on “Unnat Bharat Abhiyan Wayford: 03-04 April, 2017 at SV NIT, Surat. Gujarat, India.
29. Short Term Training Programme on “Statistics for Experimenters: 03-04 April, 2017 at SV NIT, Surat. Gujarat, India.
30. Short Term Training Programme on Environmental Auditing Made Easy: Basics and Analytical Test Procedure, 19-21 April, 2017, at SV NIT, Surat. Gujarat, India.
31. Short Term Training Programme on Environmental Auditing Made Easy: Basics and Analytical Test Procedure, 17-21 January, 2018, at SV NIT, Surat. Gujarat, India.
32. Short Term Training Programme on Environmental Auditing Made Easy: Basics and Analytical Test Procedure, 03-07 July, 2018, at SV NIT, Surat. Gujarat, India.
33. SPMG-UK delegation and SVNIT, Surat interaction program 13 September, 2018, 2018, at SV NIT, Surat. Gujarat, India.
34. International workshop on Developing Advanced & Sustainable Municipal/Industrial Wastewater Management System: Multi-stakeholder perspective, 14 September, 2018, 2018, at SV NIT, Surat. Gujarat, India.
35. Regional Workshop for Orientation of Participating Institutes to Initiate Work in Adopted Village Clusters for Western Region, 04 December, 2018, at SV NIT, Surat. Gujarat, India.
36. Regional Workshop on Planning of Unnat Bharat Abhiyan Activities for Participating Institutes, 22 June, 2019, at SV NIT, Surat. Gujarat, India.
37. Short Term Training Programme on “Waste Management Techniques in Special Attention to COVID-19 Waste (online)”, 22-26 June, 2020 at SV NIT, Surat. Gujarat, India.
38. Short Term Training Programme on An approach for water conservation and management for sustainability (Under Jal Shakti Abhiyan), online mode, 27-31 July, 2020 at SV NIT, Surat. Gujarat, India.
39. Short Term Training Programme on “Sustainable Villages Development and Unnat Bharat Abhiyan” (online mode), 24-28 August, 2020 in collaboration with MGNCRE, Hyderabad, at SV NIT, Surat. Gujarat, India.
40. Short Term Training Programme on “Sustainable Technologies for Rural Development under Unnat Bharat Abhiyan” (online mode), 17-21 May, 2021 at SV NIT, Surat. Gujarat, India.

41. Two days National “Brainstorming and Orientation Workshop” for Unnat Bharat Abhiyan-Regional Coordinating Institute (UBA -RCI) coordinators and staff during 9-10 June, 2022 at SVNIT, Surat in collaboration with Unnat Bharat Abhiyan-National Coordinating Institute (UBA-NCI), IIT Delhi and Yojak Center for Research and Strategic Planning for Sustainable Development.
42. One Week Faculty Development Program on “Capacity Building, Mentoring and Facilitation for Sustainable Rural Development” during 6-10 February, 2023 at SVNIT, Surat

Training Programme /Workshop Attended

1. Ecosan Training Course “Capacity Building for Ecological Sanitation” 3-14 September, 2007 organized by seecon international and ESF Pune.
2. Induction Training 5-17 January, 2008 organized by SV NIT, Surat
3. Training Programme on Pedagogy and Research Methodology, 12-17 May, 2008 organized by SV NIT, Surat
4. Short Term Course on “Multi Criteria Decision Making and its Industrial Application” 4-5 October, 2008 organized by SV NIT, Surat
5. Short Term Course on “Environmental Management in Industries” 13-17 October, 2008 organized by IIT Powai, Mumbai
6. Short Term Course on “Civil Engineering Drawing Using CAD” 22-26 June, 2009 organized by IUCEE, Mysore
7. Short Term Course on “Advances Research Techniques in Urban Planning & Management” 13-17 July, 2009 organized by SV NIT, Surat
8. Short Term Course on “Civil Project: Development and Management 20-24 July, 2009 organized by SV NIT, Surat
9. Short Term Course on “Advances in Condensed Matter Physics” 31 August-04 September, 2009 organized by SV NIT, Surat
10. Short Term Course on “Treatment and Disposal of Wastewater” 05-09 October, 2009 organized by SV NIT, Surat
11. Short Term Course on “Discrete Choice Modeling” 21-25 December, 2009 organized by SV NIT, Surat
12. Short Term Course on “Advanced Translation Training Course” 01-05 February, 2010 organized by Central Translation Bureau, New Delhi
13. Short Term Course on “Advanced Digestion of Wastewater” 22-26 February, 2010 organized by SV NIT, Surat

14. Workshop on “Strom Drain Designing & Modeling” 07-09 January, 2011 organized by CEPT University, Ahamadabad
15. Quality Improvement Programme on “Engineering Surveying Using Modern Instruments 02-07 July, 2012 organized by IIT, Roorki
16. One Week National Workshop on Intensive Hindi Training 23-27 July 2012 organized by SVNIT, Surat. Gujarat, India.
17. Three Days National Conference and Workshop 6-8 October, 2012 organized by Rajbhasha & Management Development Organization at Goa.
18. International Conference on Waste Wealth and Health (ICWWH-2013) 15-17 February, 2013 organized by International Institute of Waste Management, at Bhopal, India
19. FDP on Business Research 03-04 March, 2013 Organized by DBIM, Veer Narmad South Gujarat University, Surat.
20. Modular Training Course for EIA Co-ordinators/ Team Leaders 21-23 March, 2013 Organized by CEPT University, Ahmedabad.
21. Training Programme on “Urban and Industrial Wastewater Treatment: Challenges, Options and solutions; 06-10 May, 2013 organized by Centre for Science and Environment, New Delhi
22. Short Term Course on “Comprehensive Transportation Planning Practices (CTPP) 13-17 May, 2013 organized by SV NIT, Surat.
23. Short Term Course on Research Methodology 10-14 June, 2013 organized by SV NIT, Surat.
24. Workshop on Accreditation Awareness 23-24 August, 2013 organized by NIT, Surathkal.
25. Workshop of Hindi Software Training 21-25 October, 2013 organized by SV NIT, Surat.
26. Workshop on Objective and Outcome Based Education 21-22 December, 2013 organized by SV NIT, Surat.
27. Workshop on Accreditation 20-22 May, 2014 organized by SV NIT, Surat.
28. Short Term Course on Advances in Waste Management Techniques, 23-27 June, 2014 organized by SV NIT, Surat.
29. One-week ISTE STTP for coordinators on Environmental Studies, 23-27 March, 2015 organized by IIT, Bombay.
30. 4th international conference on Sustainable Municipal Solid Waste Processing for Developing Nations during 18-19 February, 2016 organized by SMC, Surat and WTERT-India.
31. 3rd World Summit on Accreditation during 18-20 March, 2016 organized by National Board of Accreditation.

32. One week short term training programme on “Waste Management in Smart Cities” during 09-13 May, 2016 organized by SVNIT, Surat
33. One week short term training programme on “Analytical Technique for Environmental Auditors during 19-23 September, 2016 organized by GPCB, Gandhinagar and SVNIT, Surat.
34. 2nd National Annual Summit on Sustainable Water and Sanitation during 01-02 December 2016 at Delhi, India.
35. 2nd India International Science Festival (IISF) 2016 during 07 -11 December 2016 organized by Govt of India, New Delhi.
36. Training programme on “Unnat Bharat Abhiyan (UBA)” during 04-06 January, 2017 at NIRD&PR, Hyderabad.
37. One week short term training programme on “Recent advances in Waste Management during 23-27 January, 2017 organized by SVNIT, Surat
38. National Workshop on Waste Management Rules and Innovations in Waste Management during 11-12 April, 2017 at GPCB, Gandhinagar.
39. Training for trainers on Wastewater treatment plant Technician and Helper during 06-10 October, 2018 at Ahmedabad, Gujarat.
40. National conference on Rural Impression Management, during 13-14 July, 2019 at MGNCRE, Hyderabad
41. Tech4 Seva, National workshop on technology outreach as an enabler for inclusive and sustainable development, during 10-12 August, 2019 at IIT, Delhi
42. Two week online training program on The Sanipath Tool: Assessing exposure to fecal contamination in urban setting during 17-28 August, 2020 by AAETI- CSE, New Delhi
43. Online training and capacity building (OTCB. Developing treated wastewater reuse facilities during 8-22 March, 2021 by ICAP Trust, TEERI and IWA.
44. One week short term training program on Advances in Sustainable Waste Management (ASWM-2021) during 24-30 June, 2021, School of Infrastructure, IIT Bhubaneswar, Odisha
45. Two days orientation cum awareness course on quality management system and international standard ISO/IEC 17025:2017, statement of conformity / decision rule& policy on use of NABL symbol as per NABL 133 testing /calibration laboratories during 06-07 July, 2021 organized by Excel, EHS Services.
46. Two days National workshop on solid waste management during 30-31 July, 2021 at IIT, Delhi

47. Three Days Training Course on “Training Program on Estimation of Measurement Uncertainty in Chemical Testing, Decision Rule and Statement of Conformity and Policy on use of NABL Symbol as per ISO/IEC 17025:2017 Standard & Latest NABL -133” through On-line Interactive Mode held during 02 - 04 August, 2021., Organized by (Prof. (Dr.) SK Tyagi) Former Addl. Director, CPCB, MoEFCC, Govt. of India New Delhi & QCI-NABL Lead Assessor,
48. One-week short term training program on Innovation, Entrepreneurship and Start-Up for Young during 26-30 September, 2022 organized by NIT, Mizoram.

Expert Lectures Delivered related to area of interest

1. Composting and Vermicomposting Aspects of Human Waste delivered to Ecological Sanitation Training Programme for National and International Participant in Nasik (India) organized by IEES and ESF, Pune. (Three Times)
2. Process of Dehydration and Composting delivered for in the Basic Ecological Sanitation Training Programme Participant from Maldives country in Pune (India) organized by IEES and ESF, Pune.
3. Capacity Building for Ecological Sanitation, 21-25 January, 2008 for Public Health Engineers in Kaluthara, Srilanka. Organized by International Red Cross Organization and UNICEF.
4. Composting and Vermicomposting Aspects of Human Waste delivered to Ecological Sanitation Training Programme for Total Sanitation Campaign Officers at Yasda Centre , Pune. Organized by Rural and Water Supply Department, India
5. Role of Plasma Technology for Solid Waste Management in AICTE Sponsored STTP on Advances in Condensed Matter Physics during 31 August - 04 September 2009 at SV NIT, Surat
6. Role of Plasma Technology for Solid Waste Management in AICTE Sponsored STTP on Recent Scientific and Technological Advances in Physical Sciences during 29 December 2008-02 January 2009 at SV NIT, Surat.
7. Need of Ecological Sanitation in Ecological Sanitation Workshop during 30-31 May, 2011 at Sayala, 15-16 June, 2011 at Banaskatha, 5-6 July, 2011 at Bhavnagar and 11-12 November, 2011 at Bhuj.
8. Necessity of EIA in PGD Course, Reliance Hazira Surat during 20 February and 14 March, 2012 at Surat.

9. Human Faeces Management at International Conference on Waste Wealth and Health (ICWWH-2013) 15-17 February, 2013 organized by International Institute of Waste Management, at Bhopal, India.
10. Role of Organic Fertilizer in Ecological Sanitation Workshop 17-18 May, 2013 at Dahod.
11. Sustainable Sanitation Options. STTP 24-28 June, 2013 at VVP Engineering College, Rajkot
12. Sustainable Sanitation Options. STTP 30 September-04 October, 2013 in Department of Chemical Engineering at SVNIT, Surat
13. Rain water harvesting systems. Training on New Development in Agriculture Fields 02-09-2014 at Navsari Agriculture University, Surat.
14. Ecological Sanitation concept and Practices on 05 April, 2016 at U V Patel College of Engineering , Ganpat University, Mehsana.
15. Solid waste management- issues and challenges on land fill site at Science Centre on 26th August, 2016 organized by Surat Municipal Corporation, Surat.
16. Construction & Demolition waste management at Art Centre on 17th September, 2016 organized by Surat Municipal Corporation, Surat.
17. Plastic waste management at Science Centre on 27th September, 2016 organized by Surat Municipal Corporation, Surat.
18. Hazardous Waste Management at Department of Civil Engineering, Nirma University, Ahmedabad on 13th October, 2016.
19. Decentralized wastewater treatment at Department of Civil Engineering, COEP, Pune on 09-09 -2016.
20. Solid waste management practices and problems on 20 March, 2017 on two days workshop “Recent Advances in Environmental Engineering- RAEE2017 organized by Department of Civil Engineering, C G Patel Institute of Technology, Bardoli
21. Issues and challenges for organic waste management on 27 March, 2017 in short term training programme on “Treatment of waste: Issue and Challenges and Problem Solving organized by Department of Civil Engineering, COEP, Pune
22. Reuse of greywater to sustain water demand on 08th February, 2017 in two days workshop “Sustainable Approach Towards Urban Water and Wastewater Management organized by Department of Civil Engineering, SCET, Surat.
23. Community participation for 100% segregation in SWM on 14th June, 2017 on Regional Specialized Training Programme on Solid Waste Management during 14-15 June, 2017 at Surat organized by Regional Centre for Urban and Environmental Studies, Ministry of Urban Development, Govt of India, New Delhi

24. Treatment and technologies for flower waste management on 14th November, 2017 in AICTE sponsored program “Present Scenario of Treatment of Waste in India: Challenges, Issues and New Techniques of treatment, 13-25 November, 2017 Sanjivani College of Engineering, Kpeargaon, Ahmadnagar.
25. MSW to Bio compost on 19 December, 2018 on ISTE sponsored program on Municipal Solid Waste Management for Smart City, 17-22 December, 2018 organized by Pacific College of Engineering, Surat
26. Organic waste management by drum composting method on STTP program on Waste to Energy: Fuel Cell and Electrochemical Techniques, 17-21 June, 2019 at SVNIT, Surat
27. Effective method for collection and disposal of COVID waste , 20 May, 2021 organized by Dr S S Gandhi Government Engineering College, Surat
28. Collection treatment and disposal methods for COVID-19 waste management on online training program through webinar, 23 May, 2020 organized by G H Rasoni Institute of Engineering and Technology, Nagpur
29. Solid waste management practices on one week short term training course on Challenges and opportunities in solid and liquid waste management during 02-06 November, 2020 organized by IIT Guwahati.
30. Sustainable Technologies for Human Excreta Management. One Day online Workshop on Urban Environment and Sustainability on 27-10-2020 - SCET, Surat
31. Potential of yellow water to sustain the fertilizer demand in one week short term training programme on Wastewater treatment efficiency and management during 26-30 April, 2021 organized by Vishwakarma Government Engineering College, Chandheda, Gandhinagar
32. Role of individual person to protect the environment on 5th June, 2021 on World Environment Day organized by Teerthanker Mahaveer University, Moradabad
33. Construction and demolition waste management: Case study of Surat City in ATAL Faculty development program during 30 August- 03 September, 2021 organized by Department of Civil Engineering, Government Polytechnic Sakoli, Bhandara, Maharashtra
34. Environmental Auditing Made Easy: Basics and analytical Procedures during 07-11 March, 2022 organized by Gujarat Energy Research and Management Institute (GERMI) and Gujarat Pollution Control Board (GPCB), Gandhinagar.
35. Environmental Auditing Made Easy: Basics and analytical Procedures during 25-30 April, 2022 organized by Charotar University of Science and Technology (CHARUSAT), Changa and Gujarat Pollution Control Board (GPCB), Gandhinagar.

36. Role of reuse and recycle of greywater to reduce the demand of freshwater in Faculty Development Program during 26-30 September, 2022 organized by School of Civil Engineering, MIT World Peace University, Pune, Maharashtra.
37. Role of temple waste management to maintain the quality of surface water bodies in STTP during 12-16 October, 2022 organized by Department of Chemical Engineering, SVNIT, Surat
38. Role of management of greywater and their reuse to sustain the water demand in 9th International Ground Water Conference (IGWC-2022) during 02-04 November, 2022 organized by Department of Hydrology, IIT Roorkee.
39. Sustainable Technologies for Treatment of Water and Wastewater in AICTE, -ATAL Faculty Development Programme during 12-23 December, 2022 organized by Civil Engineering Department of A.D.Patel Institute of Technology (ADIT), New Vallabh Vidyanagar, Anand, Gujarat
40. Solid Waste Management Practices-Case Studies in Indian Cities. Short term course on “Sustainable Practices in Environmental Engineering, organized by C K Pithawala, Surat, 02 January, 2023 Solid and hazardous waste management. 5-days Short Term Training Program on Environmental Auditing Made Easy: Basics and Analytical Test Procedures, 11-14 July organized by PDEU, Gandhinagar
41. Holistic Approach to Resolve the Issues and Challenges for Disposal of Flower Waste by Using Aerated Vessel Composting Technique. International Conference Waste Recycling & Environmental Technology (WRET-2024) 08-09 February, 2024 Babasaheb Bhimraoambedkar University, Lucknow, India
42. Sustainable Practices in India for Solid Waste Management. One week ATAL Faculty development program on Emerging technologies in civil engineering for sustainable development 25-30 November,2024 Organized by Department of Civil Engineering, GEC, Surat
43. Sustainable Practices in India for Solid Waste Management. ATAL FDP (Frontiers in Sustainable and Resilient Practices in Civil Engineering), 13 December,2024 Organized by Department of Civil Engineering, NIT, Goa
44. Resource Recovery from Solid Waste. ATAL FDP (Environmental Audit: A tool for Sustainable Industrialization), 07 Feb, 2025 , organized by Pacific School of Engineering , Surat



(Dr Kunwar Durg Vijay Singh Yadav)