

## Personal Profile (Summary)

**Name** Dr Kunwar Durg Vijay Singh Yadav

**Date of Birth** 29-11-1974

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



**Contact** Email: kdjhansi@yahoo.com kdy@ced.svnit.ac.in  
Mobile: +91-94 28 398 266 Phone: +91-261-220 1821

**Specialization** Environmental Engineering

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

**Teaching/Experience:** 13Years Research Experience: 01 Year

### **Expert/Key Position**

- ❖ Waste Management Expert – Surat Municipal Corporation, Surat and NGT
- ❖ 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
PhD (Environment)	2009	IIT, Kanpur
M E (Environment)	2000	Vikram University
B E (Civil)	1996	Nagpur University

**Research Project Completed:** 04

**Book Chapter:** 03

**Best Paper Awards:** 03

**Guidance: PhD: 05 and M Tech: 27**

**Publication Journal and Conference:** International:80 National: 43

**Workshop/ Training Program** (Organized: 37 Attended: 42) **Expert Lecture Delivered:** 30

**Granted Patent: 04**

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. Rotary Composter for Organic waste (Design No:336824-001 Date of Issue: 02-02-2021)

## **Personal Profile ( Brief)**

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Reuse/Recycle of Greywater

**Teaching Experience:** 13Years                      **Research Experience:** 01 Year

### **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:

5. Composter (Design No: 300440 Date of Issue: 01-02-2019)
6. Dry Leaves Cutting Machine (Design No: 320230-001 Date of Issue: 16-11-2020)
7. Flower Waste Pulveriser ( Design No:334122-001 Date of Issue: 27-11-2020)
8. Rotatory Composter for Organic waste ( Design No:336824-001 Date of Issue: 02-02-2021)

**International Course:** Sustainable Sanitation- Decentralized, Natural and Ecological Wastewater Treatment, N 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

### Awards:

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

### Best Paper Research Award

- 2<sup>nd</sup> 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.
- 19<sup>th</sup> International Conference on Architectural, Civil and Environmental Engineering, 23-24 November, 2017 London

### Book Chapter:

- Training material on composting and vermicomposting published by European 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

### 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”	Jan, 2021 Submitted
6	Rajnikant Prasad, Sandeep Mishra, Suraj Vasava, Pranat Jain		Running

### M Tech Supervision (27 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 ( P09EN220)	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 Upganlawar (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 Eisenia foecida
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

## Journal and Conference Publications: 80

Journal: 37 (International -29 and National-08)

Conference: 43 (International -33 and National-10)

### Publications in International and National Journals

S.No	Author(s)	Year	Title	Reference of Journal/ Book proceeding
<b>International Journal</b>				
29	Rajnikant Prasad, Dayanand Sharma, <b>Yadav., K. D.,</b> Hussameldin Ibrahim	2021	Eichhornia Crassipes as Biosorbent for Industrial Wastewater Treatment: Equilibrium and Kinetic Studies	Canadian Journal of Chemical Engineering (Accepted)
28	Sharma Dayanand., Pandey., A.K., <b>Yadav., K. D.,</b> 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, <b>Yadav.,</b> <b>K. D.</b>	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, <b>Yadav., K. D.,</b> 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., <b>Yadav.,</b> <b>K. D.</b>	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., <b>Yadav,</b> <b>K. D.,</b> 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., <b>Yadav,</b> <b>K. D.,</b> 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., <b>Yadav K.D.</b> ,	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, <b>Yadav K.D.</b> , 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 ., <b>Yadav K.D.</b> , 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, <b>Yadav K.D.</b> , 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, <b>Yadav K.D</b>	2017	Bioconversion of flower waste: Composting using dry leaves as bulking agent,	<i>Environmental energy research</i> , 22(3)237-244.
17	Nema, A., <b>Yadav, K. D.</b> , 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, <b>Yadav K.D.</b> , 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., <b>Yadav K.D</b>	2016	Composting methods and co-composting of organic substrates: a review	International journal- Ecology, Environment and Conservation 749-756.
14	Dilip M Ghaitidak., <b>Yadav K.D</b>	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, <b>Yadav, K.D</b>	2015	Co-composting and vermicomposting of industrial sludge waste management.	<i>Discovery</i> , 2015, 40(183), 201-207
12	Parekh, H., <b>Yadav K D.</b> , 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., <b>Yadav K.D</b>	2015	Reuse of greywater: effect of coagulant.	Desalination and Water Treatment, 54 (9), 2410-2421.

10	Dilip M Ghaitidak., <b>Yadav K.D</b>	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., <b>Yadav K.D</b>	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., <b>Yadav K.D</b>	2013	Characteristics and treatment of greywater--a review	Environmental Science and Pollution Research, 20, 2795-2809
7	Parekh, H., <b>Yadav K D.</b> , 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	<b>Yadav, K D.</b> , Tare , V., Ahammed, M. M	2012	Integrated Composting- vermicomposting process for stabilization of human fecal slurry.	Ecological Engineering, 47, 24-29
5	<b>Yadav, K D.</b> , 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	<b>Yadav, K D.</b> , Tare , V., Ahammed, M. M	2010	Vermicomposting of Source Separated Human Faeces for Nutrient Recycling.	Waste Management, 30, 50-56
3	<b>Yadav, K D.</b> , 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	<b>Tare , V.</b> , 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	<b>Yadav, K D.</b> , 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.
<b>National Journal</b>				



8	Nema, A., <b>Yadav, K. D.</b> , 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., <b>Yadav K.D.</b> , 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., <b>Yadav K.D</b>	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., <b>Yadav, K D</b>	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	<b>Yadav, K D.</b> , Ganvit, B	2013	Variation in Temperature during Co-Composting of Leafy, Food and Vegetable Waste.	Journal of Environmental Sciences, 55(4), 417-426.
3	<b>Yadav, K D.</b> , 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	<b>Yadav, K D.</b> , 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	<b>Yadav, K D.</b> , 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: **43** (International -33 and National-10)

S.No.	Author(s)	Year	Title	Name and Place of Conference
<b>International</b>				

33	Prasad, R., <b>Yadav, K.D</b>	2020	Multireactor System for Greywater Treatment	Virtual International Conference On Chemical Sciences in Sustainable Technology and Development (IC <sup>2</sup> S <sup>2</sup> TD- 2020), 1-3 December, 2020
32	Mishra, S., <b>Yadav, K.D</b>	2020	Role of microbial inoculant in garden waste composting.	5 <sup>th</sup> Eurasia Waste management Symposium, 26-28 October, 2020, Turkey (Virtual)
31	Pottipati, S., <b>Yadav K.D.</b> , Kalamdhad A.S.	2020	The potential of biogas production from water hyacinth by using floating drum biogas reactor	3 <sup>rd</sup> International conference (Recycle-2020), 13-14 February, 2020, IIT Guwahati, India
30	Nema, A., Prasad, R., <b>Yadav, K.D.</b> , 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., <b>Yadav, K.D.</b> ,	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., <b>Yadav, K.D.</b> , 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., <b>Yadav, K.D.</b> ,	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., <b>Yadav, K.D.</b> ,	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., <b>Yadav, K.D.</b> , Doki, M.M	2018	Flower waste-A potential resource	8 <sup>th</sup> International conference on sustainable waste management. 22-24 November, 2018 Guntur , A.P. India

24	Sharma Dayanand , <b>Yadav, K.D</b>	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 Anuddep, <b>Yadav, K.D</b> , 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, <b>Yadav, K.D</b>	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, <b>Yadav, K.D</b>	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, <b>Yadav, K.D</b>	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 , <b>Yadav, K.D</b>	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	<b>Yadav, K.D</b> ; Rana Jaimin C, Sharma Neelam S	2015	Performance analysis of natural and artificial media in horizontal filter for greywater treatment	14 <sup>th</sup> International Conference on Environmental Sciences and Technology (CEST2015) Rhodes, Greece during 3-5 September, 2015.
17	<b>Yadav, K.D</b>	2013	School sanitation- a case study of Surat city	2 <sup>nd</sup> International Conference on Environment, Chemistry and Biology. 13-14 December, 2013 at Stockholm, Sweden

16	Dilip M. Ghaitidak* , <b>Yadav, K.D</b>	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	<b>Yadav, K D</b>	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., <b>Yadav, K D.</b> , 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; <b>Yadav, K.D</b>	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., <b>Yadav K.D</b>	2011	Disinfection of natural water using solar radiation 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	<b>Yadav, K D.</b> , Tare, Vinod., Mansoor, Ahammed	2009	Growth and Reproduction of Earthworms ( <i>Eisenia foetida</i> ) in human faeces	3 <sup>rd</sup> Specialized International Conference Decentralized Water &Wastewater International Network, 10-13 November, 2009, Kathmandu, Nepal
10	<b>Yadav, K D.</b> , Tare, Vinod	2009	Influences of soil type on biomass growth and reproduction of <i>Eisenia foetida</i> during vermicomposting of human faeces.	3 <sup>rd</sup> Specialized International Conference Decentralized Water &Wastewater International Network, 10-13 November, 2009, Kathmandu, Nepal

9	<b>Yadav, K D.</b> , 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	<b>Yadav, K D.</b> , Hait, Subrata., Tare , V	2007	Source separation techniques for recovery of nutrients from human excreta.	World Toilet Summit 2007. 31 <sup>st</sup> October to 3 November, New Delhi, India.
7	<b>Yadav, K D.</b> , 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., <b>Yadav, K.D.</b> , 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, Howrah, WB, India
5	Hait, Subrata; <b>Yadav, K.D.</b> , 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	<b>Yadav, K.D.</b> , 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	<b>Yadav, K.D.</b> , 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., <b>Yadav, K.D.</b> , Tare, V	2005	Conversion of Fecal Matter to Humus Using Earthworm Spices <i>Eisenia foetida</i> .	9 <sup>th</sup> International Conference on Ecosan, 25-26 November, Mumbai, India
1	Tare, V., <b>Yadav, K. D. V. S.</b> , 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
<b>National</b>				

10	Mishra, S., <b>Yadav, K. D</b>	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; <b>Yadav, K.D</b>	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; <b>Yadav, K.D</b>	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; <b>Yadav, K.D</b>	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	<b>Yadav, K.D</b> 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., <b>Yadav, K.D</b>	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	<b>Yadav, K.D.</b> , 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., <b>Yadav, K. D</b>	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., <b>Yadav, K. D</b>	2004	Comparative Study of Aerobic Composting and Vermicomposting for Stabilization of Organic Wastes	Workshop on Environmental Pollution –Perspective and practices, 30 <sup>th</sup> April, IET Lucknow, India

1	Puri, D., Bhandari, H. S., Srivastava, P., <b>Yadav, K D S.</b> , 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.
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### Typical 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.
- Environmental audit work for industrial area
- Design and proof checking of landfill site, Water and Wastewater treatment plant
- 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 scientific closure of site of solid waste site at Surat, Gujarat
- Technical supervision for construction of secure land fill( SLF) at Surat, Gujarat
- Third Party Inspection Work Laying of sewer line, Pumping station / sump well construction
- Vetting of technologies for  
Role of micro algae in nutrient removal, Effect of chlorine dose on open drain, etc
- Vetting of reports  
Water treatment Plants and Wastewater Treatment Plants (Sequential Batch Reactor- SBR, MBBR, ASP, etc

### Institute Level -Administrative Responsibility

From	Designation
February 2021 Onwards	Associate Dean ( R&C)
February, 2019 Onwards	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
<b>Coordinator:</b>	<b>NEET ( UG) Exam 2020</b>

### **Departmental Level -Administrative Responsibility**

From	Designation
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 Organized:**

- National Conference on Sustainable Urban Environment: Issues and Management Strategies (SUIMS-08), 27-29 February, 2008
- National Conference on Rajbhasha Hindi, 14-15 May, 2015 at SV NIT, Surat. Gujarat, India
- TEQIP –II sponsored National Conference on Noise and Air Pollution: Monitoring and Modelling (NAP-2017), 17-18 March, 2017

### **Workshop Organized: 37**

#### **International:**

1. International workshop on Developing Advanced & Sustainable Municipal/Industrial Wastewater Management System: Multi-stakeholder perspective, 14 September, 2018, 2018, at SV NIT, Surat. Gujarat, India.

#### **National:**

2. One day Workshop on “How to Convert the Organic Waste in to Organic Manure” 19<sup>th</sup> January and 07<sup>th</sup> March, 2008 for Villagers at 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 Awakening 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 SV NIT, Surat. Gujarat, India.
23. Two week ISTE workshop on Environmental Studies, 02-12 June, 2015 at SVNIT, Surat. Gujarat, India
24. Short Term Training Programme on Environmental Auditing Made Easy: Basics and Analytical Test Procedure, 21-23 April, 2016, at SV NIT, Surat. Gujarat, India
25. Short Term Course on Waste Management in Smart Cities 09-13 May, 2016 at SV NIT, Surat. Gujarat, India.
26. Short Term Training Programme on Environmental Auditing Made Easy: Basics and Analytical Test Procedure, 19-23 September, 2016 at SV NIT, Surat. Gujarat, India.
27. Short Term Training Programme on “Unnat Bharat Abhiyan Wayford: 03-04 April, 2017 at SV NIT, Surat. Gujarat, India.
28. Short Term Training Programme on “Statistics for Experimenters: 03-04 April, 2017 at SV NIT, Surat. Gujarat, India.
29. Short Term Training Programme on Environmental Auditing Made Easy: Basics and Analytical Test Procedure, 19-21 April, 2017, at SV NIT, Surat. Gujarat, India.
30. Short Term Training Programme on Environmental Auditing Made Easy: Basics and Analytical Test Procedure, 17-21 January, 2018, at SV NIT, Surat. Gujarat, India.
31. Short Term Training Programme on Environmental Auditing Made Easy: Basics and Analytical Test Procedure, 03-07 July, 2018, at SV NIT, Surat. Gujarat, India.
32. SPMG-UK delegation and SVNIT, Surat interaction program 13 September, 2018, 2018, at SV NIT, Surat. Gujarat, India.
33. 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.
34. Regional Workshop on Planning of Unnat Bharat Abhiyan Activities for Participating Institutes, 22 June, 2019, at SV NIT, Surat. Gujarat, India.
35. 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.

36. 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.
37. 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.

**Training Programme /Workshop Attended: 42**

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 Decesion 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” 31August-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. 4<sup>th</sup> international conference on Sustainable Municipal Solid Waste Processing for Developing Nations during 18-19 February, 2016 organized by SMC, Surat and WTER-India.

31. 3<sup>rd</sup> 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. 2<sup>nd</sup> National Annual Summit on Sustainable Water and Sanitation during 01-02 December 2016 at Delhi, India.
35. 2<sup>nd</sup> 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

**Expert Lectures Delivered related to area of interest :30**

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 26<sup>th</sup> August, 2016 organized by Surat Municipal Corporation, Surat.
16. Construction & Demolition waste management at Art Centre on 17<sup>th</sup> September, 2016 organized by Surat Municipal Corporation, Surat.

17. Plastic waste management at Science Centre on 27<sup>th</sup> September, 2016 organized by Surat Municipal Corporation, Surat.
18. Hazardous Waste Management at Department of Civil Engineering, Nirma University, Ahmedabad on 13<sup>th</sup> 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 08<sup>th</sup> 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 14<sup>th</sup> 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 14<sup>th</sup> November, 2017 in AICTE sponsored program “ Present Scenario of Treatment of Waste in India: Challenges, Issues and New Techniques of treatment, 13-25 Novemeber, 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 in webinar organized by Dr S.S Gandhi Government Engineering College, Surat, 20 May, 2020.
28. Collection, Treatment and Disposal methods for COVID-19 waste management in webinar organized by G.H Rasoni Institute of Engineering and Technology, Nagpur on 23 May, 2020.

29. Solid waste management practices on Short Term Training Programme on “ Challenges and Opportunities in Solid and Liquid Waste Management “ organized by IIT, Guwahati during November, 2-6, 2020.
30. Organic Waste Management by Composting Method: A Case study of Flower Waste Management in two days’ workshop on Recycling and reuse technology: waste to wealth (RRTWW 2021) during 25-26 February, 2021 organized by National Institute of Foundry and Forge Technology Ranchi, Jharkhand



(Dr Kunwar Durg Vijay Singh Yadav)