

1. Date of Birth: 29 November, 1974

2. Date of joining: 01 August, 2007

3. Research Publications:



(a) International Journals:

1. **Yadav, K D.**, Tare , V., Ahammed, M. M (2010) Vermicomposting of Source Separated Human Faeces for Nutrient Recycling. *Waste Management* 30 (1), 50-56.
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.
3. **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.

(b) National Journals: Nil

(c) International Conferences:

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
2. Reddy, K.K., **Yadav, K.D.**, Tare, V (2005) Conversion of Fecal Matter to Humus Using Earthworm Spices *Eisenia foetida*. 9th International Conference on Ecosan, 25-26 November, Mumbai, India
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
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
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.
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, Howrah, WB, 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
8. **Yadav, K D.**, Hait, Subrata., Tare , V (2007) Source separation techniques for recovery of nutrients from human excreta. World Toilet Summit 2007. 31st October to 3 November, New Delhi, India.
9. **Yadav, K D.**, Mansoor Ahammed (2007) Effect of Fly ash on biomass growth and reproduction of *Eisenia foetida*. International Conference “EMASS 2020”. 26-27 December, 2007, Ujjain, India
10. **Yadav, K D.**, Tare, Vinod., Mansoor, Ahammed (2009). Growth and Reproduction of Earthworms (*Eisenia foetida*) in human faeces . 3rd Specialized International Conference Decentralized Water & Wastewater International Network, 10-13 November, 2009, Kathmandu, Nepal

(d) National Conferences:

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.
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, 30th April, IET Lucknow, 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.
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.
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 National Institute of Technology, Surat, Gujarat, India

4. Books/Monographs/Article Contributions:

- ❖ Technical Manual on Composting and Vermicomposting of Organic Waste

5. Ph D Supervision: 01 Student ongoing

6. M Tech Dissertation Supervision:

- ❖ 01 Student completed
- ❖ 02 Student ongoing

7. STTPs/Conferences Organized:

STTP:

1. One day Workshop on “How to Convert the Organic Waste in to Organic Manure” 19th January, 2008 for Villagers at Jahagirpura, Surat, Gujarat, India
2. One day Workshop on “How to Convert the Organic Waste in to Organic Manure” 07th March, 2008 for Villagers at Olpad, 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.

Conferences:

- ❖ National Conference on Sustainable Urban Environment: Issues and Management Strategies. 27-29 February, 2008 at SV National Institute of Technology, Surat, Gujarat, India

8. STTPs/Conferences Attended:

- ❖ STTP: 15
- ❖ Conferences:14

9. Administrative Responsibilities:

(a) Present:

- ❖ Prof I/C Public Relation Office
- ❖ Prof I/C Hindi Cell
- ❖ Prof I/C Solid Waste Management

(b) Past:

- ❖ Associate Hostel Warden

10. Extra-Curricular Activities:

11. Any other Information:

- ❖ Design of Eco-friendly Zero Discharge Toilet for Indian Railway.
- ❖ International Ecosan Expert
- ❖ Technical Consultant for gtz, ESF Pune and seecon international
- ❖ Third party environmental auditor for GPCB

Ongoing Research Projects:

1. Development and Performance Evaluation of Household and Community Solar Water Disinfection Systems (Co-PI and Cost 14 Lakh, Duration: 03 year)
2. Development of Technology for Co-Composting of Leafy, Vegetable and Food Waste (Under Young Scientist Scheme Cost: 8 Lakh, Duration:02 year)

Expert Lectures Delivered on:

1. Composting and vermicomposting aspects of organic waste
2. Process of dehydration and composting for Human Faeces
3. Capacity building for ecological sanitation
4. Role of plasma technology for solid waste management
5. Water less urinals
6. Impact of chemical fertilizer on agriculture land
7. Zero discharge toilet
8. Operation and maintenance of toilets

Qualification:

Ph D(Environment) IIT Kanpur, 2009

M E (Environment) Vikram University, 2000

B E (Civil) Nagpur University, 1996

Contact Details:

Email: kdy@ced.svnit.ac.in; kdjhansi@yahoo.com

Phone: +91-9428 398 266 Mobile

+91-261 222 1821 (Office)