



## ***CURICULAM VITAE***

**Dr. Anoop Yadav**

MSc. PhD (Environmental Science),  
UGC- NET/JRF, SLET (Env. Sc.)

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### **Personal Details**

**Father's Name** : **Sh. K. R Yadav**  
**Date of Birth** : **30<sup>th</sup> Nov., 1980**  
**Nationality** : **Indian**  
**E-Mail** : **[yadavanoop@rediffmail.com](mailto:yadavanoop@rediffmail.com)**

### **Academic Qualification:-**

- i) **Ph.D** on the topic “**Use of Vermi-technology for the management of food industry waste**” from Deptt. of Env. Sc and Engg, Guru Jambheshwar University of Science and Technology, Hisar, Haryana (2013). [Advisor: Dr. V. K. Garg]
- ii) **Diploma in Industrial Safety** from Annamalai University, Annamalai Nagar, Tamilnadu (2009).
- iii) Qualified **NET and JRF** Environmental Sciences, conducted by University Grants Commission (UGC), New Delhi, India (2005).
- iv) Qualified **State Level Eligibility Test** (SLET-Haryana) for Lectureship in Environmental Sciences, 2004
- v) **M.Sc. (Environmental Sciences)** from **GJUS&T**, Hisar.

### **Employment:-**

- Worked as **Senior Research Officer (in ICMR project)** in School of Public Health, PGIMER, Chandigarh, from 9/08/2014 to 31/07/2015
- **Teaching Associate** in Deptt. of En. Sci. & Engg, GJUS&T Hisar, from 19/08/2013- 30/05/2014
- **Teaching Associate** in the Deptt. of En. Sci. & Engg, GJUS&T Hisar, from 17/08/2012 to 31/05/2013.

- Project Fellow in DAE-BRNS project at Centre for Radioecology, GJUS&T, Hisar, from 24/05/2011 to 16/08/2012.
- As **Junior/Senior Research Fellow**, taught M.Sc. (Env. Sc.) in the Department of Env. Sc. and Engg, GJUS&T., Hisar, during **2008-2011** sessions as assigned by the department as per UGC rules.
- Lecturer in “**Jind Institute of Engineering & Technology**” **Jind, Haryana** form 29/08/2005 to 31/05/2006.

**Academic/Scientific Achievements/Activities:-**

- Life Membership of ‘**Biotech Research Society of India**’ (**BRSI**) under membership ID LM- 1033
- Life Membership of **The Indian Science Congress Association**, Kolkata under membership No. L24090
- Delivered talk on **All India Radio** on the topic ‘Environmental Pollution and its Management’ (Nov, 2013).
- Member, organizing committee of **Ozone week** (2012- 2013)
- Member, organizing committee of “**Sixteenth National Symposium on Environment**” held from 16-18 July, 2008 at Guru Jambheshwar University of Science and Technology, Hisar in association with Bhabha Atomic Research Centre (BARC), Trombay, Mumbai.
- Member, organizing committee of **Public Awareness Programme on “Atom for Peace”** held from 15-17 April, 2008 at Guru Jambheshwar University of Science and Technology, Hisar in Association with Indian Association for Radiation Protection, Mumbai.
- Member, organizing committee of National “**Workshop on Nuclear Energy and Environment**” held on 15 December, 2007 at Guru Jambheshwar University of Science and Technology, Hisar 125001, Haryana, India under TEQIP (World Bank Project)
- **Reviewer** for several national/international journals to review the research papers for publication.

## Research papers in journals

1. **Yadav A.** Suthar S. and Garg, V. K. (2015) “Dynamics of microbiological parameters, enzymatic activities and worm biomass production during vermicomposting of effluent treatment plant sludge of bakery industry”, Environmental Science and Pollution Research, Accepted (in press). DOI:10.1007/s11356-015-4672-7 [**Springer**].
2. Mehta J., Dilbaghi N., Dudeja S S., **Yadav A.** and Sharma P. (2015) “Decolourization of simulated dye in aqueous medium using bacterial strains”, European Journal of Advances in Engineering and Technology, 2015, 2(3): 9-18
3. Mehta J., Sharma P. and **Yadav A.** (2014) “Screening and identification of bacterial strains for removal of COD from pulp and paper mill effluent”, Advances in Life Sciences and Health, Vol. 1(1), 34-42.
4. **Yadav A.** and Garg, V. K. (2014) “Effect of poultry waste on vermicomposting of anaerobically digested cattle dung slurry”, International Journal of Environmental Technology and Management (IJETM), Vol. 17, Nos. 2/3/4. 154-164 [**Inderscience**]
5. Mehta J, **Yadav A**, Dilbaghi N and Sharma P (2014) “Physico-chemical characterization of distillery effluent and COD reduction by using *Bacillus badius* and *Lysinibacillus fusiformis*”, International Journal of Emerging Trends in Science and Technology, Vol. 1(3), 340-346.
6. Garg V. K., **Yadav A**, Singh K, Singh M, Bishnoi M and Pulhani V. (2014) “Uranium distribution in groundwater in Hisar city, India and health risk assessment”, The International Journal of Occupational and Environmental medicine. 5(2), 112-114.
7. Gupta, R., **Yadav, A.** and Garg, V. K. (2014). “Influence of vermicompost application in potting media on growth and yield of marigold crop”, International Journal of Recycling of Organic Waste in Agriculture. 3:47 [**Springer**].
8. **Yadav, A.** Gupta, R and Garg, V.K. (2013). “Organic manure production at commercial scale from Cow Dung and Biogas Plant Slurry by vermicomposting”, International Journal of Recycling of Organic Waste in Agriculture. 2:21 **1-7** (<http://www.ijrowa.com/content/2/1/21>) [**Springer**]

9. **Yadav A.** and Garg, V. K. (2013) “Nutrients recycling from industrial solid sludges and weeds by vermiprocessing”, *Pedosphere*, Volume 23, Issue 5, 668–677 [Elsevier]
10. Garg, V.K., Suthar, S., and **Yadav, A.** (2012) “Management of food industry waste employing vermicomposting technology”, *Bioresource Technology*, 126 437–444. [Elsevier]
11. **Yadav A.** and Garg, V. K. (2011) “Vermicomposting – An effective tool for the management of invasive weed *Parthenium hysterophorus*”, *Bioresource Technology*, 102, 5891–5895. [Elsevier]
12. **Yadav, A.** and Garg, V.K. (2011) “Industrial wastes and sludges management by vermicomposting”, *Reviews in Environmental Science and Biotechnology*, 10, 243-276 [Springer].
13. **Yadav, A.** and Garg, V.K. (2011) “Recycling of organic wastes by employing *Eisenia fetida*”, *Bioresource Technology*, 102, 2874–2880. [Elsevier]
14. **Yadav, A.** and Garg, V.K. (2010) “Bioconversion of Food Industry Sludge into value-added product (vermicompost) using epigeic earthworm *Eisenia fetida*”, *World Review of Science, Technology and Sustainable Development*, Vol. 7, No. 3, 225-238. [Inderscience]
15. **Yadav, A.**, Mudhoo, A. and Garg, V.K. (2009) “Growth and fecundity *Eisenia fetida* earthworm during vermicomposting of food industry sludge” *International Journal of Process Wastes Treatment*, Vol. I, No. I, pp. 71-81. [Serial]
16. **Yadav, A.** and Garg, V.K. (2009) “Feasibility of nutrient recovery from industrial sludge by vermiremediation”, *Journal of Hazardous Materials*, 168 262–268. [Elsevier]

#### (Book chapters)

1. **Yadav, A.** and Garg, V.K. (2013). Management of Organic wastes by vermicomposting. In: *Advances in Industrial Biotechnology* (Eds Ram Sarup Singh, Ashok Pandey and Christian Larroche) IK International Publishing House Pvt. Ltd., India. pp 477-501. ISBN 978-93-82332-53-4
2. Garg V.K. and **Anoop Yadav** (2012). Potential of Vermiremediation in Waste Management. In: *Strategies for Mitigation of Environmental Degradation and Climate Change* (Eds. C.P. Kaushik, A. Kaushik, V. K. Garg and Mona Sharma).

- Arihant Prakashan Pvt. Ltd., New Delhi. Pp 74-78. ISBN 978-93-80872-61-2.
3. Garg, V.K., Gupta, Renuka and **Yadav, A.** (2007). Potential of Vermicomposting Technology in Solid Waste Management. *In: Current Developments in Solid State Fermentation* (Eds: Ashok Pandey, Carlos Ricardo Soccol and Christian Larroche). **Asia-Tech Publishers Inc.**, New Delhi (for India) and **Springer Publishers** (for Rest of the World). Pp 468-511. ISBN: 978-0-387-75212-9 (Print) 978-0-387-75213-6 (Online).
  4. Garg, V.K., Gupta, Renuka and **Yadav, A.** (2006) Vermicomposting technology for solid waste management. Weblished on Environmental Expert.com. (<http://www.environmentalexpert.com/resultteacharticle4.asp?>)

**List of papers and abstracts in Conferences/ Seminars attended/participated:**

- i. Yadav, A. and Garg, V.K. (2014). Vermiprocessing of Industrial Solid Wastes by Employing Earthworms. Abstract in the proceedings of the national Seminar on Perspectives in Plant and Environmental Sciences held at Department of Botanical and Environmental Science, Guru Nanak Dev University, Amritsar, Punjab from 11-12 March, 2014, pp107. (Paper presented)
- ii. Garg, V.K. and Yadav, A. (2013). Bioprocessing of Industrial Solid Wastes into Vermicompost Employing Earthworms. Abstract in International conference on Solid Waste 2013 Innovation in Technology and management (ICSWHK2013) held at Hong Kong, from 05 - 09 May, 2013.
- iii. Yadav A. and Garg V.K. (2012). Solid waste management employing vermitechnology. Abstract in the proceedings of national seminar on “Strategies for Mitigation of Environmental Degradation and Climate change” at GJUS&T, Hisar from 2<sup>nd</sup> to 3<sup>rd</sup> March 2012, pp 134 (Best paper presentation awarded).
- iv. Garg V.K. and Anoop Yadav (2012). Potential of Vermiremediation in Waste Management. Paper in the proceedings of national seminar on “Strategies for Mitigation of Environmental Degradation and Climate change” at GJUS&T, Hisar from 2<sup>nd</sup> to 3<sup>rd</sup> March 2012, pp74-78.
- v. Kuldeep Singh, Yadav A. and Garg V.K. (2012). Water Quality Assessment for its Suitability for Drinking Purposes around Fatehabad, Haryana. Abstract in the proceedings of national seminar on “Strategies for Mitigation of Environmental

Degradation and Climate change” at GJUS&T, Hisar from 2<sup>nd</sup> to 3<sup>rd</sup> March 2012, pp-151.

- vi. Yadav, A. and Garg, V.K. (2012). Enrichment of vermicomposts by microbial inoculations Abstract in the proceedings of national seminar on “Environmental degradation: Issues and Remedies (EDIR)” at Dayanand Postgraduate College, Hisar on February 28, 2012, pp 28 (Paper presented).
- vii. Garg, V.K. and Yadav, A. (2012). “Management of industrial wastes by vermitechnology”. Abstract in Indo-Bhutan International Conference on “Advances in Environmental Sciences” (AES-2012) held at Sherubtse College, Royal University of Bhutan, Kanglung, Bhutan from May 11-12, 2012.
- viii. Yadav, A. and Garg, V.K. (2011). Vermi-technology for industrial solid waste management. Abstract in the proceedings of national conference on “Multidisciplinary approach in frontier areas of environmental science and engineering (MAFAESE)” at GJUS&T, Hisar from 4<sup>th</sup> to 5<sup>th</sup> March 2011, pp 176-177 (Paper presented).
- ix. Yadav, A. and Garg, V.K. (2010). Potential of *Eisenia fetida* for the recycling of food industry waste. Abstract in the proceedings of national Seminar on “Biodiversity, Ecosystem and Climate Change: The Challenge Ahead” at NBFGR, Lucknow from 4<sup>th</sup> to 6<sup>th</sup> December 2010, pp 36 (Paper presented).
- x. Yadav, A. and Garg, V.K. (2009). Management of food industry sludge spiked with BPS. Abstract in the proceedings of the national Seminar on Environmental and Sustainable Development held at Department of Botanical and Environmental Science, Guru Nanak Dev University, Amritsar, Punjab from 3-4, Nov., 2009, 48-49. (Paper presented)
- xi. Yadav, A. and Garg, V.K. (2009). Bioconversion of food industry sludge and biogas plant slurry into a value added product. Paper in the proceedings (e-copy) of the International Conference on Innovative Technologies: Research and Development in Science, Technology and Management (ICIT-09) held on June 18-19, 2009 at PDM college of Engineering, Bahadurgarh. (Paper presented)
- xii. Yadav, A. and Garg, V.K. (2009). Management of Food Industry Sludges by using earthworm *Eisenia fetida*. Abstract in proceedings of the International Conference

on Changing Environmental Trends and Sustainable developments (CETAS-2009) at Department of Environmental Science and Engineering, Guru Jambheshwar University of Science and Technology, Hisar-125001, Haryana from 9-11, Feb., 2009, pp 96. (Paper presented)

- xiii. Yadav, A. and Garg, V.K. (2008). Management of Food Industry Sludges by Vermi-technology Using *Eisenia fetida*. Abstract in proceeding of the International Congress on Environmental Research (ICER-2008) Birla Institute of Technology and Science-Goa Campus from 18-20 Dec., 2008, pp 351. (Paper presented)
- xiv. Yadav, A. and Garg, V.K. (2008) Effect of food industry sludge on the growth and reproduction of *Eisenia fetida* during vermicomposting. Paper in the proceedings of the National Conference on Technological Innovations at BRCM College of Engineering & Technology from 11-12 Oct., 2008. (Paper presented)
- xv. Garg, V.K. and Yadav, A. "Management of industrial sludge by vermicomposting" Paper in the proceedings of Sixteenth National Symposium on Environment, held at Guru Jambheshwar University of Science and Technology, Hisar from 16-18 July, 2008, pp 420-424. (Paper presented)
- xvi. Garg, V.K., and Yadav, A. "Effect of feed composition on the growth and fecundity of earthworms during vermicomposting", Paper in the proceedings of National Conference on "Recent Advances in the Development of Sustainable Environment" held at Haryana College of Engineering, Jagadhri, Haryana from Recent Advances in the Development of Sustainable Environment, pp 245-250. (Paper presented)
- xvii. Garg, V.K., Jaglan, R.S., Gupta, R. and Yadav, A. (2007). Vermicomposting: An eco-technology for solid waste management. Abstract in the proceedings of National Conference on Green Chemistry Applications in Science and Engineering (GCSE-07) held on 29 -30 March, 2007 at Sant Longowal Institute of Engineering and Technology, Longowal, Punjab. pp 4-5.
- xviii. National symposium on Limnology (NSL-07) held on 19-21 February, 2007 organized by College of Fisheries, Maharana Pratap University of Agriculture and technology, Udaipur, Rajasthan.
- xix. National Conference on Chemical Technology and Biotechnology held on 14-16 September, 2006 organized by Regional Research Laboratory, CSIR, Trivandrum.
- xx. National Conference on Challenges for Technology and Management in the

Knowledge Millennium, organized by Jind Institute of Engineering and Technology, Jind, Haryana on March 2-3, 2006.

### **List of Workshops attended/participated**

- i.* Attended a training programme on “Bacteriological techniques for water /wastewater analysis & quality assurance” held on 17<sup>th</sup> – 21<sup>st</sup> march 2015 at School of Public Health, Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh.
- ii.* Attended a workshop on the topic “Basic Epidemiology and Biostatistics” held from 09<sup>th</sup> – 19<sup>th</sup> December, 2014 organized by School of Public Health, PGIMER, Chandigarh.
- iii.* Attended workshop on the topic “Vermicomposting” in the “National Environment Awareness Campaign” held on 15<sup>th</sup> November, 2014 at School of Public Health, PGIMER, Chandigarh.
- iv.* Attended workshop on the topic “Uranium in drinking water” in the “Workshop on techniques in monitoring of environmental pollution” held from 25<sup>th</sup> -26<sup>th</sup> October, 2013 at MDU, Rohtak, India.
- v.* Canada-India International Workshop on “Water for health” held on November 7-8, 2011 at Baba Farid University of Health Sciences, Faridkot (Punjab), India.
- vi.* National Workshop on Awareness to Save Mother Earth held on 22<sup>nd</sup> April, 2011 at Guru Jambheshwar University of Science and Technology, Hisar, Haryana.
- vii.* Attended a Indian Association For Radiation Protection - Public Awareness Programme on ‘Atom for Peace’ organized by the Department of Environmental Science and Engineering, Guru Jambheshwar University of Science and Technology, Hisar,(Haryana) in association with IARP, Mumbai.
- viii.* National Workshop on Nuclear Energy and Environment held on 15 December, 2007 at Guru Jambheshwar University of Science and Technology, Hisar 125001, Haryana, India under TEQIP (World Bank Project)
- ix.* National Workshop on E- Waste Management held on 25 October, 2007 at Guru Jambheshwar University of Science and Technology, Hisar 125001, Haryana, India



under TEQIP (World Bank Project)