

## **Prof. Vinod Kumar Garg**

---

Centre for Environmental Science and Technology

Central University of Punjab, Bathinda 151001, Punjab

Phone: +91 9812058109

E mail: vinodkgarg@yahoo.com

---

### **EMPLOYMENT RECORD:**

- i) Working as **Professor** from 15-03-2016 in the Centre for Environmental Science and Technology , Central University of Punjab, Bathinda, Punjab
- ii) Worked as **Professor** from **09-03-2004** to 14-03-2016 in the Department of Environmental Science and Engineering, Guru Jambheshwar University of Science and Technology, Hisar (India).
- iii) Worked as **Associate Professor** from 09-03-1996 to 08-03-2004 in the Department of Environmental Science and Engineering, Guru Jambheshwar University of Science and Technology, Hisar (India).
- iii) Worked as **Assistant Scientist** (Residue Chemist) from 15-12-1992 to 08-03-1996 in the Department of Agronomy, CCS Haryana Agricultural University, Hisar (India).

### **PRESENT DUTIES:**

- i) **Teaching** Environmental Chemistry, Environmental Pollution, Agriculture and Environment, Resource Conservation and Management, Industrial Pollution Management and Environmental Awareness to M. Sc. (Environmental Sciences) students.
- ii) **Guiding** research scholars for **Ph.D. research work**.
- iii) **Guiding** Post Graduate Students (M. Sc.) for their **Project Work**.
- iv) Undertake **Research projects** from different funding agencies
- v) Undertake **Industrial consultancy**
- vi) Other official duties assigned by the University

## ACADEMIC QUALIFICATIONS:

- i) **Ph.D.** in Chemistry with **87% marks** from CCS Haryana Agricultural University, Hisar (India) in July, **1992**. [In addition to Thesis Submission, Course work of 25 credit hours was passed including the papers from Chemistry, Biochemistry, Soil Sciences and Plant Physiology subjects]
- ii) **M.Sc.** in Chemistry with **84.6% marks** from Haryana Agricultural University, Hisar (India) in **1987**. [Major subject = Chemistry, Minor subject: Soil Sciences, Supporting subjects: Biochemistry, statistics and a thesis was submitted on the polarographic studies of bivalent metal ion complexes with thioacids]
- iii) **B.Sc.** in Biology with **68.84% marks** from Kurukshetra University, Kurukshetra (India) in **1985**. The major subjects were chemistry, botany and zoology.
- iv) **Post Graduate Diploma in Pollution Management (PGDPM)** with **75% marks** from APS University, Rewa (India) in **2001**.

## H-INDEX AND CITATION:

- Scopus H-Index : **35**
- Scopus Citations : **4200**
- Google Scholar H-Index : **42**
- Google Scholar Citation: **6400**

## COUNTRIES VISITED:

Switzerland, Netherlands, Australia, USA, Canada, Germany, China, Hong Kong, Vietnam, Thailand, Singapore, Bhutan

## HONOURS AND AWARDS:

1. Visited EPFL, Lausanne, Switzerland in October- November, 2015 (for 2 months) as Visiting Scientist.
2. Visited Deaking University, Geelong, Australia in Jan – Feb., 2014 as Under TEQIP-II Programme.
3. Outstanding Reviewer Award in 2013 from Elsevier.

4. **THOMSON REUTERS INDIA CITATION AWARD, 2012:** for highest citations of Research work
5. Fellow, Biotech Research Society of India, 2011
6. Nominated as Visiting Scholar to Mauritius under 5<sup>TH</sup> UGC-TEC Consortium for the year 2011.
7. Outstanding Reviewer Award in 2010 from Elsevier.
8. Top Reviewer Award 2007 by Elsevier.
9. Guest editor for 6 volumes of International Journal of Environment and Waste Management.
10. Guest editor for World Reviews in Science, Technology and Sustainable Development
11. Selected for Netherland Fellowship to attend a short course in 2009 at UNESCO-IHE, The Netherlands.
12. Invited speaker/Resource person in several Academic staff colleges in refresher courses, orientation programme and summer schools.
13. Expert in selections for various posts in State Public Service commission.
14. Paper setter for various competitive exams conducted by State Public Service commission.
15. Subject expert in selection committees in universities
16. Member editorial boards of several national and international journals.
17. Member PGBOS of other universities.
18. Ph. D. thesis examiner of other universities.
19. Examiners for theory as well practical examination for UG and PG courses of several Universities.
20. Member organizing Committee of several national and International conferences
21. Observer in various national level exams such as UGC-NET, JEE (Main), AIPMT etc conducted by National bodies such as UGC, CBSE etc.

#### **SCHOLARSHIPS:**

- i) **Merit Scholarship** during M. Sc. for two years from **1985-1987** from Haryana Agricultural University, Hisar (India).
- ii) **Merit Scholarship** during Ph.D. for three years from **1988 to 1991** from CCS Haryana Agricultural University, Hisar (India).

## **ACADEMIC EXCELLENCE:**

- i) **Ist in B.Sc.** in Govt. PG College, Hisar, Kurukshetra University, Kurukshetra (India)
- ii) **Ist in M. Sc (Previous) and M. Sc. (Final)** in Chemistry in Haryana Agricultural University, Hisar (India) in 1985 -86 and 1986-87.
- iii) **Ist in Ph.D. in** all Basic Sciences Courses in 1989
- iv) **Ist in Post Graduate Diploma in Pollution Management** in APS University, Rewa in 2001.

## **OTHER OFFICIAL DUTIES PERFORMING/PERFORMED:**

- i) **Incharge, Radio-ecology Centre**, Guru Jambheshwar University of Science and Technology, Hisar.
- ii) Member of The **Academic Council** (four times)
- iii) Ex-member of the **University Court**, GJU, Hisar
- iv) Member of the **Proctorial Board** of the University in 2003 – 2006.
- v) **Co –Incharge** of the SC/ST coaching centre of the University.
- vi) **Co-Incharge** of the University Coaching Centre (UCC) for the coaching of IAS/HCS and other allied services.
- vii) Member of the **PG Board of Studies** of Faculty of Non-conventional Sources of Energy and Environmental Science, Guru Jambheshwar University of Science and Technology, Hisar.
- viii) Member of **Faculty** of Non-conventional Sources of Energy and Environmental Science, Guru Jambheshwar University of Science and Technology, Hisar.
- ix) Member of **Departmental Research Committee**, Department of Environmental Science and Engg., Guru Jambheshwar University of Science and Technology, Hisar.
- x) Member of **PG Board of Studies of several Universities** (Maharaja Ganga Singh University, B. R. Ambedkar University, Jhansi, Maharaja Ranjit Singh Technical University, Bathinda)

## AREA OF RESEARCH:

- i) Water and Wastewater pollution monitoring and treatment
- ii) Solid Waste Management
- iii) Pesticide pollution
- iv) Heavy Metal and radionuclide pollution
- v) Radio-ecology

## RESEARCH PROJECTS UNDERTAKEN:

- i) **Fluoride in Underground Water: Its Effects and Removal** (Principal Investigator) funded by University Grants Commission, Delhi in March, 2001 (India) (Principal Investigator). (Rs. 5, 20,000/-). Completed
- ii) **Water Quality Monitoring** of Rivers and Canals of Haryana (Co-Principal Investigator) funded by Department of Environment, Govt. of Haryana (completed in 2000) (Rs. 2,30,000/-)
- iii) **Biomass mediated removal of textile dyes from waste effluents and characterization of microbial consortia** funded by University Grants Commission, Delhi in March, 2007 (India) (Co-PI) (In Progress) (Rs. 10, 50,000/-). Completed.
- iv) **Ecological Risk assessment for Narora Atomic Power Station** funded by Department of Atomic Energy, Board of Research in Nuclear Science, Mumbai (DAE-BRNS) (Principal Investigator) funded in 2009 (completed) (Rs. 36. 84 Lakhs).
- v) **Establishment of Radio-ecology Centre** in Guru Jambheshwar University, Hisar funded by Department of Atomic Energy, Board of Research in Nuclear Science, Mumbai (DAE-BRNS) (Principal Investigator) funded in 2009 (Completed) (Rs. 5.11crores). Four research projects have been completed under this MoU:
  - a) **Studies on Baseline Radioactivity In Environmental Matrices Around Proposed Nuclear Power Plant Site In Haryana.**
  - b) **Demographic Survey Around proposed Nuclear power plant site in Haryana covering 30 km radius area from the site**
  - c) **Estimation of the Transfer Factor in the Terrestrial Environmental matrices around proposed Plant Site in Haryana**
  - d) **Studies on Water and Air Quality in Hisar and Fatehabad districts of Haryana covering a distance of 30 km from the proposed nuclear power plant site.**

- vi) Organization of “**Sixteenth national Symposium on Environment**” from 16-18 July, 2008 funded by Department of Atomic Energy, Board of Research in Nuclear Science, Mumbai (DAE-BRNS) (Convener ) (Rs. 4.50 lakhs).
- vii) Determination of **Natural Uranium in groundwater in Some districts of Haryana, India** funded by Board of Research in Nuclear Science, Mumbai (DAE-BRNS) (Principal Investigator) sanctioned in 2014 ((Rs. 27.00 lakhs).
- viii) **Rn/Th and Gamma radiation levels in three districts of Haryana** funded by Board of Research in Nuclear Science, Mumbai (DAE-BRNS) (Co-Principal Investigator) sanctioned in 2015 (Rs. 33.00 lakhs).

## **PUBLICATIONS:**

<b>Total Number of Publications</b>	<b>:</b>	<b>265</b>
a) Research Papers (Published/accepted) (Total)	:	145
<i>International</i>	:	112
<i>National</i>	:	30
b) Research Papers (Communicated)	:	05
c) Reviews	:	03
d) Research papers in Proceedings of conferences	:	22
e) Abstracts in Proceedings of conferences	:	40
f) Bulletins	:	03
g) Scientific Articles in Journals	:	03
h) Scientific Articles in Magazines	:	11
i) Articles on websites (Weblished articles)	:	02
j) Scientific Articles in Newspapers	:	25
k) Books	:	02
l) Book Chapters ( published)	:	08
m) Editorials	:	06
n) Guest edited ( Special issues in Journals)	:	06

**The detailed list is attached as Annexure ‘I’.**

## STUDENTS GUIDED FOR RESEARCH/ PROJECTS:

- i) **M. Sc.** (Environmental Sciences) : 80
- ii) **Ph.D.** (Environmental Sciences) : Total = 17  
11 (completed)  
01 submitted  
04 (In progress)  
01 (preparing)

## CONFERENCES ATTENDED AND/OR PARTICIPATED:

75 National and International Conferences/Symposiums/Workshops have been attended/ participated.

The detailed list is attached as Annexure ‘II’.

## EDITORIAL ACTIVITIES:

- i) **Guest-Editor** for the special issues (Six issues) on “Solid Waste Management” for **International Journal of Environment and Waste Management** published by Inderscience Publishers, USA.
- ii) **Guest editor** for special issue on “Solid Waste Management” for **World Reviews in Science, Technology and Sustainable Development** published by Inderscience Publishers, USA.
- iii) **Member “Editorial Board”** of **Journal of Scientific and Industrial Research** Published by NISCAIR (CSIR), New Delhi from 2008-2010, 2010-2012, 2012-2014.
- iv) **Member “Editorial Board”** of **Indian Science Abstracts** Published by NISCAIR (CSIR), New Delhi from 2010-2012, 2012-2014.
- v) **Member “Editorial Board”** of **Journal Water Research and Development** (<http://www.waterrnd.com/editorial-board.html>)
- vi) **Member “Editorial Board”** of **International Journal of Environmental Science and Ecotechnology** ([http://ispjournals.com/editorial-board.php?journals\\_id=101](http://ispjournals.com/editorial-board.php?journals_id=101))
- vii) **Editor-in-Chief** “**Journal of Environmental Science and sustainability**” ( online journal: [www.jessresearch.com](http://www.jessresearch.com))

- viii) **Member “Editorial Board”** for the **publication of the Proceedings** of the 16<sup>th</sup> National Symposium on Environment (NSE-16) organized by the Department of Environmental Science and Engg., Guru Jambheshwar University of Science and Technology, Hisar organized from 16-18 July, 2008.
- ix) **Member “Editorial Board”** for the **publication of the Proceedings** of the National Seminar on 'Strategy for Mitigation of Environmental Degradation and Climate Change (SMED CC 2012) from March 2-3, 2012 under UGC SAP DRS-II.
- x) **Convener** of the **Publication Committee** published the Compendium of lectures for the Refresher Course organized by the Department of Environmental Science and Engg., Guru Jambheshwar University of Science and Technology, Hisar in Oct., 2001.
- xi) **Co-editor** of "**Green News**", Magazine published by the Department of Environmental Science and Engineering, Guru Jambheshwar University of Science and Technology, Hisar (India).
- xii) **Technical Reviewer** for different international and national journals to review the research papers for publication.
  - a) *Bioresource Technology* ( **an International journal**)
  - b) *Journal of Hazardous Materials* (**an International Journal**)
  - c) *Water Research* ( **an International Journal**)
  - d) *Separation & Purification Technol.* (**an International Journal**)
  - e) *Journal of Environmental Management* (**an International Journal**)
  - f) *Journal of Colloid and Interface Science* (**an International Journal**)
  - g) *Chemical and Biochemical Technology Quarterly* published from Croatia ( **an international journal**)
  - h) *Pakistan Journal of Council of Scientific and Industrial Research* ( **National**)
  - i) *Journal of Scientific and Industrial Research* (**a National Journal** by NISCAIR, New Delhi)
  - j) *Indian Journal of Weed Science* ( Published by Indian Society of Weed Science, India) ( **a National journal**)
  - k) *European Journal of Histology* ( **An International Journal**)
  - l) *International J. Environ & Pollution* ( **International Journal**)
  - m) *Desalination* (**An International Journal**)
  - n) *Chemosphere* (**An International Journal**)
  - o) *J. of Enviro. Monit. & Assess.* (**An International Journal**)
  - p) *Journal of Environmental Management* (**An International Journal**)
  - q) *Asian Journal of Chemistry* ( **National, India**)
  - r) *Journal of National Env. Engg. Research Institute* ( **National**)
  - s) *The Environmentalist* (**An International Journal**)



- t) *Biochemical Engineering Journal* (**An International Journal**)
- u) *Waste Management* (**An International Journal**)
- v) *International Journal of Environment and Waste Management* (**An International Journal**)
- w) *Biology and Fertility of Soils* (**An International Journal**)
- x) *Journal of Applied Horticulture* (**An International Journal**)
- y) *Bioremediation Journal* (**An International Journal**)
- z) *Ecological Engineering* (**An International Journal**)
- aa) *Eco-toxicology and Environmental Safety* (**An Intern. Journal**)
- ab) *Separation Science and Purification* (**An Intern. Journal**)
- ac) *Fresenius Environmental Bulletin* (**An International Journal**)
- ad) *Applied Biochemistry and Biotechnology* (**An Intern. Journal**)
- ae) *Science of The Total Environment* (**An International Journal**)
- af) *Electronic Journal of Biotechnology* (**An Intern. Journal**)
- ag) *Indian Journal of Chemical Technology* (*National Journal*)
- ah) *International Journal of Process Waste Technology* (**An International Journal**)
- ai) *International Journal of Physical Sciences* (**An International Journal**)
- aj) *International Journal of Wastewater Treatment and Green Chemistry* (**An International Journal**)
- ak) *Journal of Cleaner production* (**An International Journal**)
- al) *Journal of Water Health* (**An International Journal**)
- am) *Waste Management & Research* (**An International Journal**)
- an) *Compost Science and Utilization* (**An International Journal**)
- ao) *Biocycle* (**An International Journal**)
- ap) *Critical Reviews in Biotechnology* (**An International Journal**)
- aq) *Industrial Crops and Products* (**An International Journal**)
- ar) *Desalination and Water Treatment* (**An International Journal**)
- as) *Environmental Engineering Management Journal* (**An International Journal**)
- at) *Waste management* (**An International Journal**)
- au) *Saudi Journal of Biological Sciences* (**An International Journal**)
- av) *International Journal of Environmental Technology Management* (**An International Journal**)
- aw) *International Journal of Environmental Science and Technology* (**An International Journal**)
- ax) *International Journal Of Recycling of Organic Waste in Agriculture* (**An International Journal**)
- ay) *Journal of Radioanalytical and Nuclear Chemistry* (**An International Journal**)
- az) *Biological Trace Element Research* (**An International Journal**)
- ba) *Critical Reviews In Environmental Science and Technology* (**An International Journal**)
- bb) *Arabian Journal of Chemistry* (**An International Journal**)

## CO-CURRICULAR ACTIVITIES:

- i) **Certificate of Proficiency** in running the Wall Magazine at Govt. PG College, Hisar in 1985.
- ii) Participated in **NSS Soil Healthcare Programme** and attended the field camps to educate the farmers regarding soil management and sustainable agriculture from 1983 -1985.
- iii) Blood Donation
- iv) **Member of WWF-Nature Club**, CCS Haryana Agricultural University, Hisar during 1985-1992.
- v) **Councilor** of Student Union at University level in CCS Haryana Agricultural University, Hisar in 1988.
- vi) Organization of **Environmental-Quiz**, Debates at departmental as well as University level since 1996.

## EXTENSION WORK:

- i) **Resource person** in Academic Staff colleges in different universities
- ii) Delivered several **talks** in schools/ colleges/ universities/ eco-clubs/ NGOs etc related to Environmental Pollution and its Management.
- iii) Talks on the **Doordarshan** related to Environment.
- iv) Subject expert in various talk shows/ scientific discussions on other TV channels
- v) Talks on **All India Radio** related to different aspects of Environment.
- vi) Interview with **Voice of America** on vermicomposting on 21 July, 2009.
- vii) Guiding the organizations/farmers to **promote vermicomposting** in the rural areas to manage the solid waste/animal waste and crop residues.

- viii) Provided **Scientific and Technical knowledge** to the several NGOs, Eco-clubs to undertake the Environmental Education and Sustainable Development Projects.
- ix) **Resource person** for the IInd and IIIrd Refresher course in Environmental Sciences organized by the Department of Environmental Science and Engg. Guru Jambheshwar University, Hisar in Sept.- Oct., 2002 and March, 2004 respectively.
- x) Guiding the **students of other university** for their project work in the Department of Environmental Science and Engg., and Radioecology Centre, Guru Jambheshwar University, Hisar.
- xi) Organization of debates/quizzes etc. on the aspects related to environmental awareness.
- xii) **Co-convenor** of the III<sup>rd</sup> refresher course organized by the Deptt. of Environmental Science and Engg. , Guru Jambheshwar University, Hisar from March 9, 2004 to March 29, 2004.
- xiii) **Deputy – Zonal manager** for the conduct of the State Level Eligibility Test for Lectureship (SLET) - 2004.
- xiv) **Observer** for AIEEE examinations conducted by CBSE.
- xv) **Organizing Secretary of “vermicomposting technology” workshop organized by** the Deptt. of Environmental Science and Engg. , Guru Jambheshwar University, Hisar on October 18, 2006 under community development programme of TEQIP project .
- xvi) **Member of National Committee of “National Conference on Chemical technologies and Biotechnology: New innovations”** held from 14-16, 2006 at RRL (CSIR) Trivandrum (India).
- xvii) Member of the National Committee 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 ( India).
- xviii) Member of the International Committee of **International Conference on Vermicomposting and Vermiculture held at Belarus from June 4-8 June, 2007.**



## ANNEXURE – I

### LIST OF PUBLICATIONS

#### RESEARCH PAPERS IN JOURNALS

##### (INTERNATIONAL)

1. Singh, Manbir, **Garg, V.K.**, Gautam, Y.P. and Kumar, A. (2015). Transfer factor of  $^{137}\text{Cs}$  from soil to wheat grains and dosimetry around Narora Atomic Power Station, Narora, India. **J Radioanal Nucl Chem**, 303( 1): 901-909 [**Springer**]
2. Soobhany, N., Mohee, Romeela and **Garg, V.K.** (2015). Experimental process monitoring and potential of *Eudrilus eugeniae* in the vermicomposting of organic solid waste in Mauritius. **Ecological Engineering**, 84: 149-158, [**Elsevier**].
3. Jain, M., **Garg, V.K.**, Garg, U.K., Kadirvelu, K.and Sillanpää, M. (2015). Combined effect of sun flower stem carbon-calcium alginate beads for the removal and recovery of chromium from contaminated water in column mode. **Industrial and Engineering Chemistry Research**. 54: 1419-1425. [**American Chemical Society**]
4. Soobhany, N., Mohee, Romeela and **Garg, V.K.** (2015). Recovery of nutrient from Municipal Solid Waste by composting and vermicomposting using earthworm *Eudrilus eugeniae*. **Journal of Environmental Chemical Engineering**, 3(4): 2931-2942, [**Elsevier**].
5. Jain, M., **Garg, V.K.**, Garg, U.K., Kadirvelu, K.and Sillanpää, M.(2015). Cadmium Removal from Wastewater using Carbonaceous Adsorbents Prepared from Sunflower Waste. **International Journal of Environmental Research**, 9(3):1079-1088
6. Singh, Manbir, **Garg, V.K.**, Gautam, Y.P. and Kumar, A. (2015). Soil to rice grain transfer factor and radiological dose of  $^{137}\text{Cs}$  and  $^{90}\text{Sr}$  around

NAPS, Narora, India. **J Radioanal Nucl Chem.**, 304(3): 1275-1283  
[Springer]

7. Yadav, Anoop, Suthar, S. and **Garg, V.K.** (2015). Temporal Changes in microbiological parameters and enzymatic activities during vermicomposting of effluent treatment plant sludge. **Environmental Science and Pollution Research**, 22(19):14702-14709.
8. Soobhany, N., Mohee, Romeela and **Garg, V.K.** (2015). Comparative assessment of heavy metals content during the composting and vermicomposting of Municipal Solid Waste employing *Eudrilus eugeniae*. **Waste Management**. 39: 130–145 [Elsevier]
9. Yadav, A., **Garg, V.K.** (2015). Influence of vermi-fortification on chickpea (*Cicer arietinum* L.) growth and photosynthetic pigments. **International Journal of Recycling of Organic Waste in Agriculture**; 4 (4): 299-305 [Springer]
10. Kostecka, J. and **Garg, V.K.** (2015). Use of various baits for extraction of earthworms from vermicompost. *Journal of Ecological Engineering* 16(5): 87-92
11. Singh, B., Kataria, N., **Garg, V.K.**, Yadav, P., Kishore, N. and Pulhani, V. (2014). Uranium quantification in groundwater and health risk from its ingestion in Haryana, India. **Toxicological & Environmental Chemistry**. 96(10): 1571-1580. [Taylor and Francis]
12. **Garg, V.K.**, Yadav, P., Mor, S., Singh, B. and Pulhani, V. (2014). Heavy metals bioconcentration from soil to vegetables and assessment of health risk caused by their ingestion. **Biological Trace Element Research**. 157 (3): 256 – 265. (Springer)
13. Singh, B., **Garg, V.K.**, Yadav, P., Kishor, N. and Pulhani, V. (2014). Uranium in groundwater from Western Haryana, India. **J Radioanal Nucl Chem** 301:427–433. [Springer]
14. Singh, Mahavir, Yadav, P., **Garg, V.K.**, Sharma, A., Singh, B. and Sharma, H. (2014). Quantification of minerals and trace elements in raw caprine milk using flame atomic absorption spectrophotometry and flame photometry. **J Food Sci Technol**. 52(8): 5299-5304. [Springer]

15. Jain, M., **Garg, V.K.**, Kadirvelu, K. and Sillanpää, M (2015). Adsorption of heavy metals from multi-metal aqueous solution by sunflower plant biomass-based carbons. **International Journal of Env. Sci. and Technology** (In press). [Springer].
16. Bansal, Manjeet, Mudhoo, Ackmez, **Garg, V.K.** and Singh, D. (2014). Preparation and characterization of biosorbents and copper sequestration from simulated wastewater. **International Journal of Environmental Science and Technology**. **11 (5): 1399-1412.** (Springer)
17. Yadav, Anoop and **Garg, V.K.** (2014). Effect of poultry waste on vermicomposting of anaerobically digested cattle dung slurry. **International Journal of Environmental Technology and Management**. **17 : 154 – 164 [Inderscience]**
18. Singh, Manbir, **Garg, V.K.**, Gautam, Y.P. and Kumar, A. (2014). Soil to grain transfer factors of heavy metals in rice and health risk analysis in the vicinity of Narora Atomic Power Station, Narora, India. **Journal of Scientific & Industrial Research (JSIR): 73(3): 181 –186.**
19. Gupta, Renuka, Yadav, Anoop and **Garg, V.K.** (2014). Influence of vermicompost application in potting media on growth and flowering of marigold crop. **International Journal of Recycling of Organic Waste in Agriculture**. **3 : 47: 1-7 ( Springer)**
20. Bansal, Manjeet, Mudhoo, Ackmez, **Garg, V.K.** and Singh, D. (2014). Sequestration of copper (II) from simulated wastewater using pre-treated rice husk waste biomass. **Environmental Engineering and Management Journal. (In press)**
21. Yadav, Poonam, Singh, Balvinder, Mor, Suman and **Garg, V.K.** (2014). Quantification and health risk assessment due to heavy metals in potable water to the population living in the vicinity of a proposed nuclear power project site in Haryana, India. **Desalination and Water Treatment**. **52: 7586-7597 (Taylor and Francis)**
22. Jain, M., **Garg, V.K.** and Kadirvelu, K. (2014). Removal of Ni(II) from aqueous system by chemically modified sunflower biomass. **Desalination and Water Treatment**. **52: 5681-5695. [Taylor and Francis)**

23. Singh, Manbir, **Garg, V.K.**, Gautam, Y.P. and Kumar, A. (2014). Spatial mapping of uranium in groundwater and health risk assessment around a nuclear atomic power station in India. **Environmental Engineering and Management Journal. (In press)**
24. Garg, V.K., Yadav, Anoop, Singh, K., Singh, M., Bishnoi, M and Pulhani, Vandana. (2014). Uranium Concentration in Groundwater in Hisar City, India. **The International Journal of Occupational and Environmental Medicine. 5 (2): 112 -114.**
25. Jain, M., **Garg, V.K.** and Kadirvelu, K. (2013). Chromium Removal from Aqueous System and Industrial Wastewater by Agricultural Wastes. **Bioremediation Journal: 17(1):30–39. [Taylor and Francis].**
26. Jain, M., **Garg, V.K.** and Kadirvelu, K. (2013). Cadmium (II) sorption and desorption in a fixed bed column using sunflower waste carbon calcium-alginate beads. **Bioresource Technology. 129: 242-248. (Elsevier)**
27. Yadav, Anoop, Gupta, Renuka and **Garg, V.K.** (2013). Organic manure production from cow dung and biogas plant slurry by vermicomposting under field conditions. **International Journal of Recycling of Organic Waste in Agriculture. 2, 21: 1-7 (<http://www.ijrowa.com/content/2/1/21>) [Springer]**
28. **Garg, V.K.** and Singh, Bhupinder (2013). Fluoride signatures in groundwater and dental fluorosis in permanent teeth of school children in rural areas Haryana state, India. **The International Journal of Occupational and Environmental medicine. 4(2): 107-108.**
29. Mahajan, Garima, Garg, U.K., Sud, D. and **Garg, V.K.** (2013). Utilization properties of Jatropha de-oiled cake for removal of Ni(II) from aqueous solution. **Bioresources. 8(4): 5596-5611.**
30. Yadav, Anoop and **Garg, V.K.** (2012). Nutrient Recycling of Industrial Solid Wastes and Weeds by Vermiprocessing. **Pedosphere, 23 (5): 668-677. (Elsevier)**
31. **Garg, V.K.**, Suthar, S. and Yadav, Anoop (2012) Management of food industry waste employing vermicomposting technology. **Bioresource Technology. 126: 437–443. [Elsevier]**



32. Mudhoo, A., **Garg, V.K.** and Wang, S. (2012). Removal of heavy metals by biosorption. **Environmental Chemistry Letters: 10 (2): 109-117** [Springer Verlag]
33. Bansal, Manjeet, Singh, D. and **Garg, V.K.** (2012). Use of chemically treated sawdust for chromium removal from aqueous solutions: Effect of process parameters. **International Journal of Environment and Waste Management. 10: 190 – 200.** [Inderscience]
34. Singh, Bhupinder and **Garg, V.K.** (2012) Fluoride quantification in groundwater of rural habitations of Faridabad, Haryana, India. **International Journal of Environmental Protection. 2 (10): 8-17.**
35. Gupta, Renuka and **Garg, V.K.** (2011). Optimization of cow dung spiked pre consumer processing vegetable waste for vermicomposting using *Eisenia fetida*. **Ecotoxicology and Environmental Safety. 74: 19-24.** [Elsevier]
36. Yadav, Anoop and **Garg, V.K.** (2011). Vermicomposting – An effective tool for the management of invasive weed *Parthenium hysterophorus*. **Bioresource Technology, 102 (10): 5891 – 5895.** [Elsevier]
37. Yadav, Anoop and **Garg, V.K.** (2011). Recycling of organic wastes by employing *Eisenia fetida*. **Bioresource Technology. 102: 2874-2880.** [Elsevier]
38. **Garg, V.K.** and Gupta, Renuka (2011). Quantification and Characterization of Household Solid Waste in Gurgaon City, India. **Waste Management: 31 (6): 1419-1420.** (Elsevier)
39. Gupta, Renuka and **Garg, V.K.** (2011). Potential and Possibilities of Vermicomposting in Sustainable Solid Waste Management – A Review. **International Journal of Environment and Waste management. 7(3 &4): 210-234.** [Inderscience]
40. **Garg, V.K.** and Gupta, Renuka (2011). Effect of temperature variations on vermicomposting of household solid waste and fecundity of *Eisenia fetida*. **Bioremediation Journal. 15(3) : 165 – 172** [Taylor and Francis].
41. Sangwan, Pritam, Kaushik, C. P. and **Garg, V.K.** (2011). Nutrient recycling and management of press mud, Parthenium and Biogas plant slurry employing earthworms. **International Journal of Environment and Waste Management. 7 (3/4): 395-407.** [Inderscience].

42. Jain, Monika, **Garg, V.K.** and Kadirvelu, K. (2011). Investigation of Cr (VI) adsorption onto chemically treated *Helianthus annuus*: Optimization using Response Surface Methodology. **Bioresource Technology. 102: 600-605.** [Elsevier]
43. Yadav, Anoop and **Garg, V.K.** (2011). Industrial wastes and sludges management by vermicomposting. **Reviews in Environmental Science and Biotechnology. 10(3) : 243 – 276** [Springer].
44. Jain, Monika, Mudhoo, A. and **Garg, V.K.** (2011). Swiss Blue dye sequestration by adsorption using *Acacia nilotica* sawdust. **International Journal of Environmental Technology Management. 14(1-4): 220-237.** [Inderscience]
45. Mudhoo, A. and **Garg, V.K.** (2011). Sorption, Transport and Transformation of Atrazine in Soils, Minerals and Composts: A Review. **Pedosphere 21(1): 11 – 25.** [Elsevier].
46. Garg, U.K., **Garg, V.K.** and Sud, D. ( 2011). Sequestering of Cd (II) and Ni (II) from aqueous solutions onto chelex 100. **Desalination and Water Treatment. 28: 211 – 216.** (Desalination Publications)
47. Mudhoo, A., Sharma, S.K., Garg, V.K. and Chin-Hsiao Tseng (2011). Arsenic: An overview of applications, health and environmental concerns and removal processes. **Critical Reviews in Environmental Science and Technology. 41(5): 435 – 519.** ( Taylor and Francis)
48. Jain, Monika, **Garg, V.K.** and Kadirvelu, K. (2010). Adsorption of hexavalent chromium from aqueous medium onto carbonaceous adsorbents prepared from Sunflower biomass. **Journal of Environmental Management. 91: 949-957** [Elsevier].
49. Sangwan, Pritam, Kaushik, C.P. and **Garg, V.K.** (2010). Vermicomposting of sugar industry waste (press mud) mixed with cow dung employing an epigeic earthworm *Eisenia fetida*. **Waste Management and Research. 28: 71-75.** [Sage Publications].
50. Yadav, Anoop 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 Sust. Development, : 7(3), 225-238.** [Inderscience]

51. Gupta, Renuka and **Garg, V.K.** (2010). Nutrient recycling from different solid organic wastes employing an epigeic earthworm *Eisenia fetida*. **World Review of Science, Technology and Sust. Development**, 7 (3), 239-258. [Inderscience]
52. **Garg, V.K.** and Gupta, Renuka (2010). Potential of *Eisenia fetida* for vermicomposting of garden trimmings spiked with cow dung. **International Journal of Global Environmental Issues**. 10 (3/4): 293-309. ( **Inderscience Publishers**)
53. Sangwan, Pritam, **Garg, V.K.** and Kaushik, C.P. (2010). Influence of vermicomposts produced from different wastes on growth and yield of marigold plants as potting media. **The Environmentalist**, 30: 123-130. (**Springer**)
54. Meena, A.K., Bansal, P., Kumar, S, Rao, M.M. and **Garg, V.K.** (2010). Estimation of heavy metals in commonly used medicinal plants: a market basket survey. **Environmental Monitoring and Assessment**: 170(1-4): 657-660. (**Springer**)
55. **Garg, V. K.**, Suthar, S., Sheoran, Aleenjeet, Garima, Meenakshi and Jain, Sandeep (2009). Drinking water quality in villages of southwestern Haryana, India: assessing human health risks associated with hydrochemistry. **Environmental Geology** 58: 1329-1340 [**Springer**]
56. Gupta, Renuka and **Garg, V.K.** (2009). Vermiremediation and nutrient recovery of non-recyclable paper waste employing *Eisenia fetida*. **Journal of Hazardous Materials** 162: 430-439. [Elsevier]
57. Gupta, Renuka and **Garg, V.K.** (2009). Vermicomposting of Garbage: A new Technology for Solid Waste Management for Hindu Temples. **International Journal of Environment and Waste Management**. 3 (1/2): 51-64. [Inderscience]
58. Yadav, Anoop and **Garg, V.K.** (2009). Feasibility of nutrient recovery from industrial sludge by vermicomposting technology. **Journal of Hazardous Materials**. 168 (2009) 262–268. [Elsevier]
59. Jain, Monika, **Garg, V.K.** and Kadirvelu, K. (2009). Chromium (VI) removal from aqueous system using *Helianthus annuus* (Sunflower) stem waste. **Journal of Hazardous Materials**. 162: 365-372. ( [Elsevier]

60. Bansal, Manjeet, Garg, U.K., Singh, D. and **Garg, V.K.** (2009). Removal of Cr(VI) from simulated wastewater using pre-consumer processing agricultural waste: a case study of rice husk. **Journal of Hazardous Materials. 162: 312-320.** ([Elsevier])
61. Bansal, Manjeet, Singh, D. and **Garg, V.K.** (2009). A comparative study for the removal of hexavalent chromium from aqueous solution by agriculture wastes' carbons. **Journal of Hazardous Materials, 171: 83-92**
62. Jain, Monika, **Garg, V.K.** and Kadirvelu, K. (2009). Equilibrium and kinetic studies for sequestration of Cr(VI) from simulated Wastewater using agricultural waste biomass. **Journal of Hazardous Materials, 171: 328 – 334.**
63. **Garg, V.K.,** Gupta, Renuka and Kaushik, Priya (2009). Vermicomposting of solid textile mill sludge spiked with cow dung and horse dung: A pilot-scale study. **International J. Environment and Pollution. 38(4): 385-396.** [Inderscience]
64. Bansal, Manjeet, Singh, D., **Garg, V.K.** and Rose, P. (2009). Use of agricultural waste for the removal of nickel ions from aqueous solutions: equilibrium and kinetics studies. **International Journal of Civil and Environmental Engineering 1(2): 108-114.** [World Academy of Science, Engineering and Technology]
65. Yadav, Anoop, Mudhoo, Ackmez and **Garg, V.K.** (2009). Growth and fecundity of *Eisenia fetida* earthworm during vermicomposting of food industry sludge. **International Journal of Process Waste Technology. 1: 71-81.**
66. Mudhoo, Ackmez, Munbodh, Ved Prakash, Ragen, Arvinda K and **Garg, V.K.** (2009). Anaerobic treatment of tuna processing wastewater in an Upflow Anaerobic Contact Reactor. **International Journal of Process Waste Technology. 1: 83-97.**
67. Garg, Umesh, Kaur, M. P., Sud, Dhiraj and **Garg, V.K.** (2009). Removal of hexavalent chromium from aqueous solution by adsorption on treated sugarcane bagasse using response surface methodological approach. **Desalination. 249: 475-479.** (Elsevier].

68. Bansal, Manjeet, Singh, D. and **Garg, V.K.** (2009). Chromium (VI) uptake from aqueous solution by adsorption onto timber industry waste. **Desalination and Water Treatment**, 12: 238-246. **(Desalination Publication)**
69. Gupta, Renuka and **Garg, V.K.** (2008). Stabilization of primary sewage sludge by vermicomposting. **Journal of Hazardous Materials**. 153 (3): 1023-1030 **[Elsevier]**.
70. Sangwan, Pritam, Kaushik, C.P. and **Garg, V.K.** (2008). Vermiconversion of industrial sludge for recycling the nutrients. **Bioresource Technology**, **99**, **8699-8704 [Elsevier]**
71. Sangwan, Pritam, Kaushik, C.P. and **Garg, V.K.** (2008). Feasibility of utilization of horse dung spiked filter cake in vermicomposters using exotic earthworm *Eisenia foetida*. **Bioresource Technology** ; **99(7): 2442-2448 [Elsevier]**
72. Kaushik, P., Yadav, Y.K., Dilbaghi, N. and **Garg, V.K.** (2008). Enrichment of vermicomposts prepared from cow dung spiked solid textile mill sludge using nitrogen fixing and phosphate solubilizing bacteria. **The Environmentalist**. 28(3): 283-287. **[Springer]**.
73. Kaushik, P., Yadav, Y. K. and **Garg, V. K.** (2008). Effect of stocking density and food quality on the growth and fecundity of an epigeic earthworm (*Eisenia fetida*). **The Environmentalist**. 28:483-488. **[ Springer]**
74. **Garg, V.K.** and Priya Kaushik. (2008). Effect of textile mill wastewater on the growth of sorghum cultivars. **Applied Ecology and Environmental Research**. **6 (2): 1- 12. [Mathematical Society of Hungry]**
75. Singh, B., Dahiya, S., Jain, S., **Garg, V.K.** and Kushwaha, H.S. (2008). Use of Fuzzy synthetic evaluation for assessment of groundwater quality for drinking usage: a case study of Southern Haryana, India. **Environmental Geology**. 54: 249-255. **[Springer]**
76. Suthar, S., **Garg, V.K.**, Jangir, S., Simarjeet Kaur, Goswami, N. (2008). Fluoride contamination in drinking water in rural habitations of Northern Rajasthan, India. **Environmental Monitoring and Assessment**. **145: 1-6 [Springer]**

77. Garg, U. K., Kaur, M. P., **Garg, V.K.** and Sud, D. (2008). Removal of Nickel (II) from aqueous solution by adsorption on agricultural waste biomass using a response surface methodological approach. **Bioresource Technology. 99 (5): 1325-1331. [Elsevier]**
78. Garg, U.K., Kaur, M. P., Jawa, G.K., Dhiraj Sud and **Garg, V.K.** (2008). Removal of cadmium (II) from aqueous solutions by adsorption on agricultural waste biomass. **Journal of Hazardous Materials.154: 1149-1157. [Elsevier].**
79. Hem Lata, **V.K. Garg** and R.K. Gupta (2008). Sequestration of nickel from aqueous solution onto activated carbon prepared from *Parthenium hysterophorus* L. **J. Hazardous Materials. 157: 503-509. ([Elsevier]**
80. Hem Lata, **Garg, V.K.** and Gupta, R.K. (2008). Adsorptive removal of basic dye by chemically activated Parthenium biomass: equilibrium and kinetic modeling. **Desalination, 219: 250-261 [Elsevier].**
81. Hem Lata, Mor, Suman, **Garg, V.K.** and Gupta, R.K. (2008). Removal of a dye from simulated wastewater by adsorption using treated Parthenium biomass. **J. Hazardous Materials. 153: 213-220. [Elsevier].**
82. Hem Lata, **Garg, V.K.** and Gupta, R.K. (2008). Removal of Basic Dye from aqueous solution using chemically modified *Parthenium hysterophorus* Linn. biomass. **Chemical Engineering Communication. 195 (10), pp. 1185-1199 [Taylor and Francis]**
83. Garg, U. K., Kaur, M.P., **Garg, V.K.** and Sud, D. (2007). Removal of Hexavalent Chromium from Aqueous Solution by Various Agricultural Waste Materials. **Journal of Hazardous Materials; 140(1-2): 60-68 [Elsevier]**
84. Hemlata, **Garg, V.K.** and Gupta, R. K. (2007). Removal of a basic dye from aqueous solution adsorption using *Parthenium hysterophorus*: an agricultural waste. **Dyes and Pigments , 74 (3): 653-658.[Elsevier]**
85. Gupta, R., Mutiyar, P.K., Rawat N.K., Saini, M.S. and **Garg, V.K.** (2007). Development of a water hyacinth based vermireactor using an epigeic earthworm *Eisenia foetida*. **Bioresource Technology, 98: 2605-2610. [Elsevier]**

86. Singh, Bhupinder, Gaur, Shalini and **Garg, V. K.** (2007). Fluoride in drinking water and human urine in Southern Haryana, India. **J. Hazardous Materials. 144: 147-151.** ( [Elsevier]
87. Dahiya, S., Singh, Bupinder, Gaur Shalini, **Garg, V. K.** and Kushwaha, H.S. (2007). Analysis of groundwater quality using fuzzy synthetic evaluation. **Journal of Hazardous Materials, 147: 938-946.** [Elsevier]
88. Khaiwal, Ravindra and **Garg, V. K.** (2007). Appraisal of groundwater quality for drinking purpose in Hisar city (India) with special reference to fluoride and fluorosis. **Environmental Monitoring and Assessment. 132 (3): 33-43.** ( Springer)
89. **Garg, V. K.,** Kaushik, Priya and Dilbaghi, Neeraj (2006). Vermiconversion of wastewater sludge from textile mill spiked with anaerobically digested biogas plant slurry employing *Eisenia foetida*. **Ecotoxicology and Environmental Safety. 65 (3): 412-419.** [Elsevier]
90. Goel, Jyotsna, Kadirvelu, K., Rajagopal, C. and **Garg, V. K.** (2006). Cadmium removal from aqueous solution by adsorption onto carbon aerogel using response methodological approach. **Indust. Engg. Chem. Res., 45(19): 6531 – 6537.** [American Chemical Society]
91. Khaiwal, Ravindra and **Garg, V. K.** (2006). Distribution of fluoride in groundwater and its suitability assessment for drinking purpose. **International J. Env. Health Research., 16 (2): 163-166** [Springer]
92. **Garg, V.K.** and Kaushik, Priya (2006). Influence of short term irrigation of textile mill wastewater on the growth of chickpea cultivars. **Chemistry and Ecology, 22(3): 193-200.** [Taylor and Francis]
93. **Garg, V. K.,** Yadav, Y.K., Sheoran, Aleenjeet, Subhash Chand, Kaushik, Priya (2006). Livestock excreta management through vermicomposting using an epigeic earthworm *Eisenia foetida*. **The Environmentalist 26, 269-276.** [Springer]
94. **Garg, V. K.** and Kaushik, Priya (2005). Vermistabilization of Textile mill sludge spiked with poultry droppings by an epigeic earthworm *Eisenia foetida*. **Bioresource Technology 96(9): 1063-1071.** [Elsevier]

95. Kaushik, Priya, **Garg, V.K.** and Singh, Bhupinder (2005). Effect of textile effluent on growth performance of wheat cultivars. **Bioresource Technology** 96(10): 1189-1193. [Elsevier]
96. Goel, Jyotsna, Kadirvelu, K., Rajagopal, C. and **Garg, V. K.** (2005). Removal of Mercury (II) from aqueous solution by adsorption on carbon aerogel: response surface methodological approach. **Carbon**. 43(1-3): 197 – 200. [Elsevier]
97. Goel, J., Kadirvelu, K., Rajagopal, C. and **Garg, V. K.** (2005). Investigation of adsorption of lead, mercury and nickel from aqueous solutions onto carbon aerogel. **J. Chem. Tech. Biotech.** 80(4):469-476.
98. **Garg, V. K.**, Gupta, Renuka and Juneja, Tarika (2005). Removal of a Basic dye (Rhodamine-B) from aqueous solution by adsorption using timber industry waste sawdust. **Chemical and Biochemical Engineering Quarterly** 19(1); 75-80. [Chemical Society of Slovenia]
99. Goel, Jyotsna, Kadirvelu, K., **Garg, V. K.**, Meena, A, Chopra, R., Chauhan, D., Rawat, A., Mishra, G. K. and Rajagopal, C. (2005). A pilot scale evaluation for adsorptive removal of Lead (II) using treated granular activated carbon. **Environ. Technol.** 26: 489 - 499.
100. Goel, Jyotsna, Kadirvelu, K., Rajagopal, C. and **Garg, V. K.** (2005). Adsorptive removal of Lead (II) from aqueous solution by carbon aerogel: Response surface methodological approach. **Indst and Chem. Engg. Rese.** 44(7): 1987-1994. [ American Chemical Society]
101. **Garg, V. K.**, Subhash Chand, Chhillar, Amit and Yadav, Ashwani (2005). Growth and reproduction of *Eisenia foetida* in Different animal wastes during vermicomposting. **Applied Ecology and Environmental Research.** 3(2): 51-59. [Mathematical Society of Hungary]
102. Goel, Jyotsna, Kadirvelu, K., Rajagopal, C. and **Garg, V. K.** (2005). Removal of lead by adsorption using modified activated carbon: Batch and column studies. **J. Hazardous Materials.** B125: 211–220. [ Elsevier]
103. Kaushik, Priya and **Garg, V. K.** (2004). Dynamics of biological and chemical parameters during vermicomposting of solid textile mill sludge mixed



- with cow dung and agricultural residues. **Bioresource Technology**. 94 (2): 203 – 206. [ Elsevier]
104. **Garg, V. K.**, Kumar, Rakesh and Gupta, Renuka (2004). Removal of Malachite green dye from aqueous solution by adsorption using an agro-industry waste: a case study of *Prosopis cineraria*. **Dyes and Pigments**. 62(1): 1 – 10. [ Elsevier]
105. **Garg, V. K.**, Kumar, Rakesh and Gupta, Renuka (2004). Basic dye (Methylene blue) removal from the simulated waste water by adsorption using Indian Rosewood sawdust: a timber industry waste. **Dyes and Pigments**. 63(3), 243- 250. [ Elsevier]
106. **Garg, V. K.**, Gupta, Renuka, Kumar, Rakesh and Gupta, R.K. (2004). Adsorption of chromium from aqueous solution on treated sawdust. **Bioresource Technology**. 92(1): 79 – 81. [Elsevier]
107. Meenakshi, **Garg, V.K.**, Kavita, Renuka and Anju Malik (2004). Groundwater quality in some villages of Haryana, India: focus on fluoride and fluorosis. **Journal of Hazardous Materials**. 106(1); 85 – 97. [Elsevier]
108. **Garg, V.K.**, Gupta, Renuka, Yadav, Anu Bala and Kumar, R. (2003). Dye removal from aqueous solution by adsorption on treated sawdust. **Bioresource Technology**, 89(2): 121 – 124. [Elsevier]
109. Kaushik, Priya and **Garg, V. K.** (2003). Vermicomposting of mixed textile mill sludge and cow dung with epigeic earthworm *Eisenia foetida*. **Bioresource Technology**. 90(3): 311 – 316. [Elsevier]
110. Yadav, Ashok, Balyan, R.S., **Garg, V.K.** and Malik, R.K. (1996). Resistance against isoproturon in different biotypes of Little seed canary grass. **Tests of Agrochemicals and Cultivars (Annals of Applied Biology, 128, Supplement) 17**: 34-35. [Society of Biological Sciences]
111. Relan, P.S., Kumar, S, **Garg V.K.** and Girdhar, K.K. (1991). Determination of stability constants of ternary complexes with iminodiacetic acid and oxydiacetic acid by polarographic technique. **Chimica Acta Turcica**, 19 (2): 171-180. [Turkey]

**(NATIONAL)**

112. Bansal, S.K., Airon, Anurag and **Garg, V.K.** (2012). Potability assessment of groundwater quality using integrated analysis in GIS. **International Journal of Environmental Sciences**: 1(3) 302 - 311.
113. **Garg, V. K.**, Gupta, R. and Taneja, M. (2004). Hydrochemistry of underground drinking water in Southern Zone of Hisar city. **Pollution Research** 23 (3): 463 – 467.
114. Dilbaghi, N., Jaglan, S. and **Garg, V. K.** (2004). Ethanol production by *Kluyveromyces marxianus* NS-8 from lactose and whey from dairy processing industries. **J. Microbial World**. 6(2): 153 – 157.
115. **Garg, V. K.**, Sharma, B. P. and Hooda, R.K. (2003) Groundwater pollution of an urban area. **J. Indian Public Health Engineers, India**, 23(2): 22 – 28.
116. **Garg, V. K.** and Gupta, R. (2002). Bioremediation of anaerobically digested post-methanation distillery spent wash. **Indian J. Chemical Technology**. 9(6): 491- 495.
117. **Garg, V. K.**, Gupta, R., Malik, A., Pahwa, M. and Yadava, K. (2002) Assessment of Water quality of Western Yamuna Canal from Tajewala (Haryana) to Haiderpur Treatment Plant (Delhi). **Indian Journal of Environment Protection** 22 (2): 191-196.
118. Dilbaghi, N., Kumar, K., **Garg, V.K.**, Saharan, B.S. and Singh, D. (2002). Decolourization and COD removal from Digested Distillery spent wash by *Pseudomonas spp.* **Indian Journal of Environment Protection** 22 (1): 42-51.
119. **Garg, V. K.**, Khurana, B. and Gupta, R. (2001). Groundwater quality in western part of Hisar city. **Indian J. of Environment and Toxicology** 11 (2): 58-61.
120. **Garg, V. K.**, Goel, S. and Gupta, R. (2001) Ground water quality of an average Indian city. A case study of Hisar city. **J. of Indian Water Works Association**. XXXIII (3): 237-242.
121. **Garg, V.K.**, Gupta, R., Goel, S., Taneja, M. and Khurana, B. (2000). Assessment of underground drinking water quality in Eastern part of Hisar city (Haryana). **Indian J. Environment Protection** 20 (6): 407-412.

122. Dahiya, S., Amarjit Kaur, **Garg, V. K.** and Jain, Nalini (2000). Quantification of fluoride in groundwater in rural areas of Tosham subdivision, district Bhiwani, Haryana. **Pollution Research**, 19 (3): 417-419.
123. **Garg, V. K.** Chaudhary, A., Dahiya, S. and Deepshikha (1999). An appraisal of groundwater quality of some villages of Jind district. **Indian J. Environment Protection** 19(4): 267-272.
124. **Garg, V. K.**, Gupta, R. and Balyan, R.S. (1999). Biology and control of carrot weed. **Indian J. Weed Science**, 31 (3&4): 124 – 129.
125. **Garg, V. K.**, Dahiya, Sudhir, Chaudhary, Aarti and Deepshikha (1998). Fluoride distribution in underground water of Jind district, Haryana, India. **Ecology Environment and Conservation** 40 (1): 19-23.
126. **Garg, V. K.**, Deepshikha, Chaudhary. Aarti and Dahiya, Sudhir (1998). Ground water quality in rural areas of Jind district, Haryana. **Indian J. Environmental Pollution**, 5(4): 285-290.
127. **Garg, V. K.**, Sharma, I.S. and Bishnoi, M.S. (1998) Fluoride in underground waters of Uklana town, district, Hisar, Haryana. **Pollution Research**, 17(2): 149-152.
128. **Garg, V. K.** and Relan, P.S. (1998). Kinetics of substitution of oxalato ligands from tris(oxalato)Chromate(III) with 1, 2-cyclohexylene dinitrile tetra acetic acid (CDTA) in aqueous alkaline media. **Proc. Indian natn. Sci. Acad** (Part A) 64A (6): 747-751.
129. Balyan, R.S., Yadav, Ashok, **Garg, V. K.** and Malik, R.K. (1997). Response of isoproturon resistant and susceptible biotypes of little seed canary grass to the tank mixture of atrazine and isoproturon. **Pestology**. 21 (5): 13-15.
130. **Garg, V.K.** and Relan, P.S. (1996) Kinetics and mechanism of formation of chromium (III)-trans-1, 2-diaminecyclohexanetetraacetate complex from tris(ethylenediamine)chromium (III) ion and trans-1,2-diamine cyclohexane-N, N', N'', N''' tetra acetic acid in alkaline media. **Proc. Indian natn. Sci. Acad.**, 62A (1): 45-52.
131. **Garg, V.K.** and Relan, P.S. (1996). Kinetics and mechanistic studies on substitution reactions of oxalato ligands from tris(oxalato)chromate(III)

with bis-(2-aminoethyl) – amin – N, N', N', N'', N''–pentaacetic acid.  
**India J. Chemistry** 35A (2): 148-150.

132. Hooda, Anita, **Garg, V.K.**, Sangwan, N.K. and Dhindsa, K.S. (1996). Synthesis, characterization and antifungal activity of Cobalt (II), Nickel (II) and Copper (II) complexes of substituted 4, 5–dihydropyrazoles. **Proc. National Acad., Sci., India.** 66A (3): 223-227.
133. Malik, R.K., Yadav, Ashok, Siddqui, S., **Garg, V.K.** Balyan, R.S. and Malik, R.S. (1995). Effect of isoproturon on growth and photosynthesis of herbicide resistant and susceptible biotypes of little seed canary grass. **Indian J. Weed Science** 27 (1&2): 49-51.
134. Relan, P.S. **Garg V.K.** and Girdhar, K. K. (1995). Kinetics of substitution of ethylenediamine from tris(ethylenediamine)chromium(III) ion by dipicolinic acid. **J. Indian Chemical Society** 72 (9): 629-632.
135. **Garg, V.K.**, Ram Partap, Relan, P. S. and Girdhar, K.K. (1995). Toxicity of transition metal complexes to the growth of plant pathogenic fungi. **Haryana Agriculture University J. Research** 25 (3): 87-89.
136. Yadav, A., **Garg, V.K.**, Balyan, R.S. and Malik, R. K. (1995). Response of isoproturon resistant little seed canary grass to alternate herbicides. **Pestology**, 19 (12): 12-15.
137. **Garg, V.K.**, Relan, P.S. and Kumar, S. (1994). Kinetics of substitution of ethylenediamine from tris (ethylene) chromium (III) ion by bis (2-aminoethyl) – amin – N, N', N', N'', N'' pentaacetic acid. **Oriental J. Chem.**, 10 (1): 35-40.
138. Relan, P.S, **Garg, V.K.** and Kumar, S. (1993). Infra-red studies of the complexes of bivalent metal cations with humic materials. **International J. Tropical Agriculture** 11 (3): 227-233.
139. **Garg V.K.** Relan, P.S. and Girdhar K.K. (1992). A polarographic study of Zn (II), Ni (II) and Cd (II) complexes with thioacids. **Acta Cinencia Indica**, XVIIIIC (2): 155-156.

140. **Garg, V.K.**, Relan P.S. and Girdhar, K.K. (1991) Fungicidal effects of transition metal mixed ligand complexes. **Bhartiya Krishi Anusandhan Partika**, 6 (1) : 54-58.
141. Relan, P.S., Kumar, S, **Garg V.K.** and Arora, S.K. (1991). Rheological studies on guar gum by viscometric methods. **Guar Res. Ann.**, 7: 25-29.
142. Ram Partap, Girdhar, K.K., Relan, P.S. and **Garg, V.K.** (1990). Formation constants and thermodynamic parameters of lanthanum (III), Gadolinium (III) and Dysprosium (III) complexes with thio-acids. **J. Indian Chemical Society** 67(7): 590 – 592.

### **(BOOK CHAPTERS)**

1. Gupta, Renuka and **Garg, V.K.** (2015). Sustainable Approach to Waste Management- Vermicomposting Technology In: Waste Management: Challenges, Threats and Opportunities ( *Eds: Singh, R.P. and Sarkar, A.* ) : pp: 65-88, *Nova Publishers, NY*, [ISBN: 978-1-63482-195-7]
2. Gupta, Renuka and **Garg, V.K.** (2013). Groundwater Pollution Issues: with special reference to Fluoride, Arsenic and Uranium. In *Water for Health: Healthy water, Healthy Life* (Editor: Dr S.S. Gill, Dr. R. Manhas and Dr. P. Bansal) Pp: 93 –107 (Gulab Publisher, Sangrur and Basera Verlag, Gernay) ISBN 978-81-92064-0-5.
3. Yadav, Anoop and **Garg, V.K.** (2013). Management of organic wastes by vermicomposting. In : *Advances in Industrial Biotechnology*. (Editors: R. S. Singh , A. Pandey and C. Larroche): Pp : 477- 501. *IK International Publishing House Pvt. Ltd., India*
4. Gupta, Renuka, Singh, B. and **Garg, V.K.** (2012). Environmental Fluorides : Risk Assessment and Remediation. In *Environmental Health: Human and Animal Risk Mitigation* (Editor: Garg, S.R.) **Pp. 65 -88.** (SSPH, New Delhi)
5. **Garg, V.K.** and Gupta, Renuka (2011). Solid Waste Management by vermitechology. In *Environmental Security: Human and Animal Health* (Editor: Garg, S.R.) **Pp : 485 –499** ( idbc publishers, India)
6. Mudhoo, A., Mohee, R., **Garg, V.K.** and Wang, S. (2010). Heavy Metals: Toxicity and Removal by Biosorption. In : *Environmental Chemistry for a*

Sustainable World (Eds: Eric Lichtfouse et al): pp 380 – 442. (**Publisher Springer**)

7. **Garg, V.K.** (2010). Assessment of drinking water quality in some rural habitations in Haryana with special reference to fluoride. In: Impact of Uranium and Other Heavy Metals on Health. (Eds: S.S. Gill, et al.) Published by Saurabh Medical Publishers. **Chandigarh. (ISBN no: 978-81-910800-3-2) pp. 73-80.**
8. **Garg, V.K.** and Gupta, Renuka (2009). Vermicomposting of Agro-industrial Processing waste. In: Biotechnology for Agro-Industrial Residues Utilisation. (Eds.: P. Singh nee' Nigam, A. Pandey). **DOI 10.1007/978-1-4020-9942-7\_24. Springer Publishers. Pp 433-458.**
9. **Garg, V.K.,** Gupta, Renuka and Yadav, Anoop (2007). Potential of Vermicomposting Technology in Solid Waste Management. *In: Current Developments in Solid State Fermentation* (Eds: Pandey, Ashok et al.). **Asia-Tech Publishers Inc., New Delhi (for India) and Springer Publishers (for Rest of the World) . Pp 468-511.**

#### **(PAPERS IN PROCEEDINGS OF CONFERENCES)**

1. Singh, Bhupinder and **Garg, V.K.** (2011). Fluoride in Drinking Water of Southern Haryana, India. **Proc. of the International Conference on Science and Engineering (ICSE 2011)**. Copyright © 2011 RG Education Society: pp : 275- 279, ISBN: 978-981-08-7931-0
2. Sangwan, P., Kaushik, C.P. and **Garg, V.K. (2009)**. Effect of temperature on the growth and fecundity of *Eisenia fetida* during vermicomposting of sugar mill sludge. **In proceedings of International Conference on Changing Environmental Trends and Sustainable Development (CETAS-2009)** held from 9-11 February, 2009 at Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India.
3. Bansal, Manjeet, Singh, Diwan and **Garg, V.K. (2009)**. Sorption of Nickel (II) from aqueous solution onto sawdust (Timber Industry Waste). **In Proceedings of National Civil Engineering Conference on innovation without limits (CEC-09) held at NIT Hamirpur from 18-19 Sep. 2009, pp. 519-523**

4. Hem Lata, **Garg, V.K.** and R.K. Gupta (2008). Adsorption of cationic dyes from aqueous solution by treated *Parthenium hysterophorus* Linn. **In Proceedings of Sixteenth National Symposium on Environment (NSE-16)** held from 16-18 July, 2008 at Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India. Pp: 447-451.
5. Gupta, Renuka, **Garg, V.K.** and Dahiya, Sudhir (2008). Bioconversion of different organic wastes employing *Eisenia fetida*. **In Proceedings of Sixteenth National Symposium on Environment (NSE-16)** held from 16-18 July, 2008 at Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India. Pp: 347-351.
6. Sangwan, P., Kaushik, C.P., Yadav, Anoop and **Garg, V.K.** (2008). Comparative potential of two epigeics in management of filter cake by vermicomposting in semiarid climate of Hisar. **In Proceedings of Sixteenth National Symposium on Environment (NSE-16)** held from 16-18 July, 2008 at Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India. Pp: 382-387.
7. Yadav, Anoop and **Garg, V.K.** (2008). Management of industrial sludges by vermicomposting. **In Proceedings of Sixteenth National Symposium on Environment (NSE-16)** held from 16-18 July, 2008 at Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India. Pp: 420-424.
8. Bansal, M., Singh, D. and **Garg, V.K.** (2008). Sorption capacity of rice husk for the removal of Cr(VI) from aqueous solution. **In Proceedings of Sixteenth National Symposium on Environment (NSE-16)** held from 16-18 July, 2008 at Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India. Pp: 442-446.
9. Jain, M., **Garg, V.K.** and Kadirvelu, K. (2008). Removal of chromium (VI) from aqueous solution by agricultural waste. **In Proceedings of Sixteenth National Symposium on Environment (NSE-16)** held from 16-18 July, 2008 at Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India. Pp: 352-257.

10. Suthar, S., Singh, S., Chhimpa, V., Bishnoi, R.K., Saharan, I., Mittal, N. and **Garg, V.K. (2008)**. The problem of safe drinking water in Northern Rajasthan, India. **In Proceedings of Sixteenth National Symposium on Environment (NSE-16)** held from 16-18 July, 2008 at Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India. Pp: 491-496.
11. Gupta, Renuka and **Garg, V.K. (2008)**. Management of aquatic weed (water hyacinth) by vermicomposting technology. **In Proceeding of the National Conference on Environmental Degradation - Challenges and Remedies (EDCR-2008)** held at M. M. University, Mullana (Ambala) from 13-14 March, 2008, pp 125-128.
12. Kumar, Manish, Dahiya, S., Singh, B. and **Garg, V.K. (2007)**. Probabilistic approach for assessment of chemical risk due to fluoride and nitrate in drinking water. **In Proceeding of National Conference on “Mitigation of Pollutants for clean Environment” [NSE-15]** held at Bharathiar University, Coimbatore from June 5-7, 2007 . pp. 252-266. Published by Macmillan Publisher, India.
13. **Garg, V.K.** and Gupta, Renuka (2007). Prospects of vermicomposting technology in aquatic weed management. **In Proceedings of International Scientific and Practical Conference “Vermicomposting and Vermiculture as basis of ecological landownership in XXI century – problems, outlooks, achievements”** held Minsk, Akademicheskaya, 27, Institute of Zoology of NAS, Belarus from at 4 – 8 June 2007. pp 86-88.
14. **Garg, V.K.** and Bhupinder Singh (2007). Distribution of fluoride in groundwater and its impact on dental health of school children in some villages of Haryana. **In Proceeding of National Conference on Limnology held at Maharana Pratap University of Agriculture and Technology, Udaipur (Rajasthan) on 19-21 February, 2007. pp: 206-211.**
15. **Garg, V.K.** and Kaushik, Priya (2005). Dynamics of vermicomposting of solid textile mill sludge spiked with various organic wastes. **In proceedings of International congress on Sustainable Management in Action 05 (SMIA05) held at University of Geneva, Switzerland on 19-40 September, 2005.** ( Full paper available on line) no. of pages : 10



16. **Garg, V.K.** (2005). Earthworm and Vermicomposting: An overview. **In Proceedings of National workshop on “Conservation and Sustainable Management of Below ground Biodiversity”** held at Kerala Forest Research Institute, Kochi (India) organized by Tropical Soil Biology and Fertility Institute of CIAT and TSBF on June 21-23, 2005, pp 120- 153.
17. Goel, Jyotsna, Kadirvelu, K., Rajagopal, Chitra and **Garg, V. K.** (2004). Adsorptive removal of cadmium (II) from aqueous solution using carbon aerogel. **In Proceedings of International workshop on Carbon Materials for Energy Applications organized by Indian Carbon Society held at National Physical Laboratory from on 21- 22 December, 2004, pp. 470 – 480.**
18. Goel, Jyotsna, Kadirvelu, K., Rajagopal, Chitra and **Garg, V. K.** (2003). Equilibrium study of competitive sorption of Cu(II), Pb(II) and Hg(II) ions from aqueous solution on to granular activated carbon. **In Proceedings of National Conference on Carbon ( Indo Carbon – 2003) organized by Indian Carbon Society held on 20-21 Nov., 2003 at Defence Materials and Stores Research and Development Establishment, Kanpur (India).** Pp: 119 – 130.
19. Dahiya, S.; **Garg, V. K.**, Gupta, R., Yadava K., Pahwa, M. and Malik , A. (2001). Fluoride distribution in groundwater and prevalence of dental fluorosis among school children in some North Indian Villages. **In proceedings of the 10<sup>th</sup> National Symposium on Environment held at BARC, Mumbai from 04-06 June, 2001.** Pp. 172-174.
20. **Garg, V. K.** (2000). Fluoride in drinking water and its impact on dental health of school children in some villages of Haryana. **In Proceedings of National Conference on Environmental Pollution Prevention and Control for healthy living held at INSA, Delhi on 21-11-2000.** Paper No. 10. pages 4.
21. Malik, R.K., Malik, Y.S., **Garg, V. K.** and Singh, S. (1995). Isoproturon resistant little seed canary grass (*Phalaris minor*) and its response to alternate herbicides. **In Proceedings International Symposium on Weed and Crop Resistance to Herbicides held on 3-6 April, 1995 at Cordoba, Spain.**

22. **Garg, V.K.**, Singh, S. and Malik, R.K. (1993). Potency of tralkoxydim and isoproturon mixture against *Phalaris minor* and *Polypogon monspeliensis* in wheat. In **Proceeding International Symposium Indian Society of Weed Science held on No. 18-20, 1993 at CCS Haryana Agricultural University, Hisar. Vol. III: 276-277.**
23. Singh, S., Malik, R.K., Malik, Y.S. and **Garg, V. K.** (1993). Resistance of some *Phalaris minor* biotypes of isoproturon but not be pendimethalin. In **Proceeding International Symposium India Society of Weed Science held on Nov. 18-20. 1993 at CCS Haryana Agricultural University, Hisar Vol. II: 125-130.**

### **(ABSTRACTS IN PROCEEDINGS OF CONFERENCES)**

1. Bansal, M., **Singh, D. and Garg, V.K. (2009).** Biosorption of Ni (II) from aqueous systems using rice husk. In **Proceedings of International Conference on Changing Environmental Trends and Sustainable Development (CETAS-2009)** held from 9-11 February, 2009 at Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India. ( **Best Poster Award**)
2. Yadav, Anoop and **Garg, V.K. (2009).** Management of Industrial sludge using earthworm *Eisenia fetida*. In **Proceedings of International Conference on Changing Environmental Trends and Sustainable Development (CETAS-2009)** held from 9-11 February, 2009 at Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India.
3. Jain, M. and **Garg, V.K. (2009)** Biosorptive potential of sunflower waste for Cr(VI) removal: a low cost adsorbent. In **Proceedings of International Conference on Changing Environmental Trends and Sustainable Development (CETAS-2009)** held from 9-11 February, 2009 at Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India.
4. Gupta, R. and **Garg, V.K. (2009).** Vermistabilization of sewage water treatment plant sludge using epigeic earthworm *Eisenia fetida*. In **Proceedings of International Conference on Changing Environmental**

**Trends and Sustainable Development (CETAS-2009)** held from 9-11 February, 2009 at Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India.

5. Gupta Renuka and **Garg, V.K.** (2007). Potential of vermicomposting technology in sewage sludge management employing an epigeic earthworm *Eisenia foetida*. **International conference on New Horizons in Biotechnology (NHBT-2007) held from 26-29 November, 2007 at National Institute for Interdisciplinary Science & Technology, Trivandrum, India. Pp.177**
6. **Garg, V.K.** and Gupta, Renuka (2007). Aquatic weed Management using vermicomposting technology. **In International Conference on Managing the Coastal Land-Water Interface in Tropical Delta Systems ( DELTA-7) held from 4-9 November, 2007 at Bangkok, Thailand.**
7. **Garg, V.K.,** Jaglan, R.S., Gupta, R. and Yadav, A. (2007). Vermicomposting: An eco-technology for solid waste management. **In 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 (India). Pp 4-5.**
8. **Garg, V.K.** and Singh, Bhupinder (2007). Monitoring of fluoride content in chewing tobacco, betel nuts and pan masalas. **In 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 ( India). Pp 44-45.**
9. **Garg, V.K.** (2006). Potential of vermicomposting technology in solid waste management. **In National Conference on Chemical Technology and Biotechnology held on 14-16 September, 2006 organized by Regional Research Laboratory, CSIR, Trivandrum ( In Hindi).**
10. **Garg, V.K.** and Gupta, Renuka (2006). Prospects of vermicomposting technology in water hyacinth management spiked with cow dung employing an epigeic earthworm *Eisenia foetida*. **In National Conference**

**on Environmental Education held on 6-8, 2006 organized by Indian Environment Society, Delhi at SHM House, Bangalore.**

11. Sangwan, Pritam, Kaushik, C.P. and **Garg, V.K.** (2006). Bioconversion of sugar industry sludge mixed with horse dung using vermicomposting. **In Recent advances in Life Sciences and Environmental Conservation in welfare of Human society held on 3-5 Feb., 2006 in Kurukshetra University, Kurukshetra (Haryana), India** (abstract)
12. Hem Lata, **Garg, V.K.** and Gupta, R.K. (2005). **In proceedings of Recent Trends in Surface chemistry (RTSC-05) held on 13- 14 March, 2005 in Guru Jambheshwar University, Hisar (Haryana), India.** (abstract)
13. Goel, Jyotsna, Kadirvelu, K., **Garg, V. K.** and Rajagopal, C. (2005). Removal of lead (II) from aqueous solution by adsorption onto carbon aerogel. **In proceedings of Recent Trends in Surface chemistry (RTSC-05) held on 13- 14 March, 2005 in Guru Jambheshwar University, Hisar (Haryana), India.** (abstract)
14. Goel, Jyotsna, Kadirvelu, K., Rajagopal, C. and **Garg, V. K.** (2003). Adsorptive removal of Mercury (II) from aqueous solution using activated carbon: column studies. **In Proceedings of National Conference on Innovative Approaches in the Management of Environment (IAME) held on 17 – 18 October, 2003 in Delhi (India).** Pp: 23. (abstract)
15. Singh, Bhupinder and **Garg, V.K.** (2003). Fluoride content in soft drinks. **In Proceeding of National Seminar on Emerging Issues and Technological Challenges held on 1-2 September, 2003 in G.J. University, Hisar (India)** p 28-29. (abstract)
16. Kaushik, Priya and Garg, V.K. (2003). Vermicomposting of solid textile mill sludge mixed with cow dung and/or agricultural residues. **In Proceeding of National Seminar on Emerging Issues and Technological Challenges held on 1-2 September, 2003 in G.J. University, Hisar (India)** p 111-112. (Abstract).
17. Yadav, A., Faroda, A.S., Malik, R.K. and **Garg, V.K.** (1995). Persistence and rate of degradation of pendimethalin applied in wheat under different irrigation levels. **In Proceedings International Conference on**

**Sustainable Agriculture and Environment, held on 11-13 January, 1995 Haryana Agricultural University, Hisar (abstract).**

**(BOOKS)**

1. **Garg, V. K., Bishnoi, M.S. and Malik, C. P. (2002). An Introductory Text of Environmental Policies and Laws. Kalyani Publishers. Pages 500.**

**(EDITORIALS FOR JOURNALS)**

1. **Garg, V.K. and Mor, S. (2008). Editorial for the Special issue (Part 1) on Solid Waste Management. International Journal of Environment and Waste Management. 2(1&2):1-2. [Inderscience Publishers]**
2. **Garg, V.K. and Mor, S. (2008). Editorial for the Special issue (Part 2) on Solid Waste Management. International Journal of Environment and Waste Management. 2(6): 503-505. [Inderscience Publishers]**
3. **Garg, V.K. and Mor, S. (2009). Editorial for the Special issue (Part 3) on Solid Waste Management. International Journal of Environment and Waste Management. 3(1&2):1-3. [Inderscience Publishers]**
4. **Garg, V.K., Mor, S. and Yung-Tse Hung (2010). Editorial for the Special issue on Solid Waste Management. World Review of Science, Technology and Sustainable Development (WRSTSD). 7(3): 195-197. [Inderscience Publishers]**
5. **Garg, V.K. and Mor, S. (2011). Editorial for the Special issue (Part 4) on Solid Waste Management. International Journal of Environment and Waste Management. 7(3/4): 209. [Inderscience Publishers]**
6. **Mudhoo, A., Garg, V.K., Mohee, R., Das, K.C. and Unmar, G.D. (2011). Editorial for the Special issue on Treatment Processes for Mixed Organic Wastes, Residual Biosolids and Wastewaters. International Journal of Environment and Waste Management. [Inderscience Publishers]**
7. **Garg, V.K. and Mor, S. (2012). Editorial for the Special issue (Part 5) on Solid Waste Management. International Journal of Environment and Waste Management. [Inderscience Publishers]**

## EXTENSION AND OUTREACH PUBLICATIONS

### (BULLETINS)

1. Malik, R.K., Yadav, A., **Garg, V.K.**, Balyan, R.S., Malik, Y.S., Malik, R.S., Singh, S. and Dhawan, Rupa, (1995). **Herbicide Resistance: Current status and Research Findings**. Bulletin, Department of Agronomy, CCS Haryana Agricultural University, Hisar (India). [Grant for publication was provided by Herbicide Resistance Action Committee, Rome, Italy]
2. Malik, R.K., **Garg, V.K.** and Yadav, A. (1995). **Guidelines for the management of isoproturon resistant *Phalaris minor* in wheat**. Bulletin, Department of Agronomy, CCS Haryana Agricultural University, Hisar (India). [Grant for publication was provided by Herbicide Resistance Action Committee, Rome, Italy]
3. Malik, R.K., Yadav, A. and **Garg, V.K.**, (1995). ***Gehoun main isoproturon pratirodhi kanki ke prabandhan hetu dishanirdesh*** (in Hindi). Bulletin, Department of Agronomy, CCS Haryana Agricultural University, Hisar (India). [Grant for publication was provided by Herbicide Resistance Action Committee, Rome, Italy]

### (SCIENTIFIC ARTICLES IN JOURNALS)

- 1) **Garg, V.K.** and Dahiya, S., (1999). *Bhumigat Jal Main Fluoride Perdushan Avem es ke Dusparbhav*. (in Hindi) **Bhagirath (Journal of Central Water Commission, Ministry of Water Resources, India.)** Jan-March, 1999: 19-23.
- 2) **Garg, V.K.** and Chaudhary, Aarti (1999). Bio-hydrometallurgy – Bacteria can extract metals. **Environmental Pollution Control Journal**. 2 (4): 49-53.

- 3) **Garg, V.K.** and Gupta, Renuka (1999) Hospital Waste Management. **Environmental Pollution Control Journal**. 2 (6): 5-9.

### (SCIENTIFIC ARTICLES ON WEBSITES)

1. **Garg, V.K.**, Gupta Renuka and Yadav, Anoop (2006). Vermicomposting technology for solid waste management. Environmental-expert (on line magazine) Article available at the below given link:

<http://www.environmental-expert.com/resultteacharticle4.asp?codi=9047>

2. **Garg, V.K.** and Singh, Bhupinder (2007). Fluoride in Drinking Water and Fluorosis. Editorial in Eco-Web. Article available at the below given link:

<http://www.eco-web.com/>

### (SCIENTIFIC ARTICLES IN MAGAZINES)

- 1) **Garg, V.K.** and Singh, Bhupinder (2007). *Deadly disease: Fluoride in drinking water and fluorosis*. **Wastelands News** (Published by Society for Promotion of Wasteland Development, New Delhi): Vol. XXII No.1 (August- October, 2007). Pp: 31-33.
- 2) **Garg, V.K.** and Haritish Anil Kumar (2002). *Paryavaran Sudhar Ke Liya C.N.G.: ek Behtar Vikalp* (In Hindi) **Shashart**. February 2002: 19-21.
- 3) **Garg, V.K.** and Bhuvneshwari Prasad (2001). *Bigadte Paryavaran Ke Sudhar Hetu Sarkari Paryas*. (In Hindi). **Paryavaran Urja Times** (May, 2001): 4 (4): 204-205.
- 4) **Garg, V.K.** and Hooda, Rakesh. (2000). *Ghrelu Vayu Pardushan-Ek Adrishya Maut*. (In Hindi) **Paryavaran Urja Times**: Jan (2000): 11-12.
- 5) **Garg, V.K.** and Gupta, Renuka (2000). *Fluoride Ka Manav Swasthya per dushparbhav* (In Hindi). **Yojana (Hindi)**: 43 (11) Feb., 2000, 38-41.

- 6) **Garg, V.K.** (2000). *Jaiv vividhta per mandrata khatra* (In Hindi). **Paryavaran Urja Times**. March 2000, 3 (2): 108-109.
- 7) **Garg, V.K.** (2000). *Vayupardushan Avem Hamara Swasthya*. (In Hindi). **Paryavaran Urja Times**. (August, 2000): 3 (7): 364-365.
- 8) **Garg, V.K.** (1999) *Bhumigt Jal Main Fluoride ki Adhikta ka Manav Swasthya per Dusparbhav*. **Paryavaran Urja Times** (In Hindi). 1 (12) (January, 1999): 26-27.
- 9) **Garg, V.K.** (1995). Biology and Control of *Lantana camara*. **Farmer and Parliament**. 30 (6): 20-22.
- 10) **Garg, V.K.** (1995) Biology and control of *Cuscuta*. **Intensive Agriculture**. May-June issue, 1995.
- 11) **Garg, V.K.** (1995) Precaution is better. **Intensive Agriculture**. May-June issue, 1995.

### **(SCIENTIFIC ARTICLES IN NEWS PAPERS)**

1. **Garg, V.K.** and Arora Monu (2005). *CFC aven un ka haum per dushperbhav*. *Rajasthan Patrika (Hindi)*.
2. **Garg, V.K.** and Hooda Rakesh (2000). *Green House Avem Ozone Chhider Se Prithvi Ko Khatra* (In Hindi). **Dainik Jagran**., Aug. 2, 2002, pp. 6.
3. Gupta, Renuka and **Garg, V.K.** (2000) *Kahin Aapke Paani main Arsenic to nahin* (In Hindi) **Dainik Jagran**, August 9, 2002, pp 9.
4. **Garg V.K.** and Hooda, Rakesh (2000) *Kisi Dudhari Talwar Se Kam Nahin Hai Fluoride* (In Hindi) **Dainik Jagran**, August 16, 2000, pp 6.
5. **Garg, V.K.** and Gupta Renuka (2000). *Haspatalon Ka Kachra Shatabdi Kee Trasdi* (In Hindi). **Dainik Jagran**, August 30, 2000, pp 7.



6. **Garg, V.K.** and Kumar Rakesh (2000). *Dudh Main Rasayan: Manav Swasthya Se Khilwar* (In Hindi) **Dainik Jagran**. September 8, 2000, pp 7.
7. **Garg, V.K.** and Gupta, Renuka (2000) *Plastic Ka Janjivan per Mandarata Khatra*. **Dainik Jagran**, September 20, 2000, pp 7.
8. **Garg, V.K.** and Bhuvneshweree Prasad, (2000). *Aluminum: Swasthya Ke Liye Ek Aur Khatra* (In Hindi) : **Dainik Jagran**. September 28, 2000, pp 6.
9. Gupta, Renuka and **Garg, V.K.** (2000) *Congress Grass: Ek Ghatak Kharpatwar* : **Dainik Jagran** (In Hindi) : October 3, 2000, pp 10.
10. Haritash Anil Kumar and **Garg, V.K.** (2000). *Biomass Urja: Ek Akshya Satrot* (In Hindi), **Hari bhumi**. December 25, 2000.
11. **Garg, V.K.** (1999). Is Wheat Production in Jeopardy? **The Tribune**. August 2, 1999 pp. 15.
12. **Garg, V.K.** (1999). Handle pesticides with care. **The Tribune**, Oct. 11, 1999, pp 17.
13. **Garg, V.K.** (1999). *Gahun utpadan ke liye subse bada khatra hai Mandusi* (Hindi). **Amar Ujala**, Oct. 9, 1999, pp 7.
14. **Garg, V.K.** (1999). How to prevent celphos poisoning. **The Tribune**, Nov., 29, 1999, pp. 15.
15. **Garg, V.K.** (1998). Synthetic Milk – A Real Poison. **The Tribune**. Feb. 11, 1998, pp 12.
16. **Garg, V.K.** (1998). Parkinson Disease – A Shaking Experience. **The Tribune**. July 1, 1998, pp. 12.
17. **Garg, V.K.** (1997). Iodine Deficiency with a Pinch of Salt. **The Tribune**. April, 1997, pp 13.
18. **Garg, V.K.** (1997). Fluoride Poisoning. **The Tribune**. January, 1997, pp 15.

19. **Garg, V.K.** (1997). Food Poisoning. **The Tribune**. March, 1997, pp 13.
20. **Garg, V.K.** (1997). Chemical Poisoning. **The Tribune**. May. 1997, pp 13.
21. **Garg, V.K.** (1997). Try to Avoid Allergens. **The Tribune**. May, 1997, pp. 13.
22. **Garg, V.K.** (1996). DNA Fingerprinting. **The Tribune**. Dec. 4, 1996, pp15.
23. **Garg, V.K.** and Malik, R.K. (1996) Herbicide resistant Little Seed Canary Grass. **The Hindu**. Feb.1, 1996.
24. **Garg, V.K.** (1995). Bacteria Extract Metals. **The Tribune** Nov. 30, 1995, pp 15.
25. **Garg, V.K.** (1995) Harvesting Petro-crops. **The Tribune**. May 15, 1995. pp. 15.

## **ANNEXURE – II**

### **CONFERNCES/ SYMPOSIA/ WORKSHOPS ORGANISED**

1. **Technical Programme Discussion Meeting** held from 30-31 August, 2012 at Guru Jambheshwar University of Science and Technology, Hisar in Association with of DAE-BRNS, BARC. **Funded by Board of Research in Nuclear Sciences (BRNS), Mumbai (Coordinator).**
2. **Technical Programme Discussion Meeting** held from 29 -30 October, 2011 at Guru Jambheshwar University of Science and Technology, Hisar in Association with of DAE-BRNS, BARC. **Funded by Board of Research in Nuclear Sciences (BRNS), Mumbai (Coordinator).**
3. **Technical Programme Discussion Meeting** held from 30 -31 October, 2010 at Guru Jambheshwar University of Science and Technology, Hisar in Association with of DAE-BRNS, BARC. **Funded by Board of Research in Nuclear Sciences (BRNS), Mumbai (Coordinator).**
4. **“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, Trombay, Mumbai. Funded by Board of Research in Nuclear Sciences (BRNS), Mumbai (Convener).**
5. **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, Trombay, Mumbai. **Funded by IARP. (Organizing Secretary).**

- 6.** National “**Workshop on Nuclear Energy and Environment**” held on 15 December, 2007 at Guru Jambheshwar University of Science and Technology, Hisar 125001, Haryana, India. **Funded by under TEQIP (World Bank Project) (Organizing Secretary)**
- 7.** Workshop on “**Vermicomposting Technology**” held on October 18, 2005 at Guru Jambheshwar University, Hisar (India) organized by Department of Environmental Science and Engineering, Guru Jambheshwar University, Hisar. **Funded by TEQIP (World Bank Project) [ Organizing secretary]**

## LIST OF CONFERNCES/ SYMPOSIA/ WORKSHOPS/SHORT COURSE ATTENDED AND PARTICIPATED

8. Garg, V.K. (2015) Delivered an invited talk on the topic “**Transfer factor of NORMs from soil to crop grains**” in the National Seminar “**Environmental Management, Sustainable Development and Human Health**” held on 25 March, 2014 at Dr Shanti Swarup Bhatnagar University Institute of Chemical Engineering & Technology, Panjab University Chandigarh. (Invited speaker)
9. Garg, V.K. (2015). Delivered an invited talk on the topic “**Water pollution and Human Health**” in the national workshop “**Training for Trainers: Water Quality and Health**” held at Central University of Punjab, Bathinda on 11 February, 2015. (Invited speaker)
10. Garg, V.K., (2015) Delivered an invited talk on the topic “**Sustainable Solid Waste Management using Vermitechnology**” in the “**International Conference on Solid Waste 2015: Knowledge Transfer for Sustainable Resource Management**” held at the Hong Kong Convention & Exhibition Centre on 20-22 May 2015 organized by Sino-Forest Applied Research Centre for Pearl River Delta Environment (ARCPE), Hong Kong Baptist University, Hong Kong from 19 – 22 May, 2015
11. Garg, V.K., (2015) Delivered expert lectures on the topic “**Water quality monitoring**” in the training programme on “**Bacteriological Techniques for Water and Waste Water analysis and Quality assurance**” held at School of Public Health, PGIMER, Chandigarh held on dated 17 -21 March 2015.
12. Garg, V.K. (2015) Delivered an invited talk on the topic “**Potential of vermitechnology for solid waste management**” in the International Seminar "Sustainable Solid Waste Management for Cities: Opportunities in SAARC Countries" to be held at CSIR-NEERI, Nagpur on March 25-27, 2015.
13. Garg, V.K. (2015). Delivered an expert lecture on the topic “**Initiative of Government of India for Environmental management**” on the occasion of World Environment Day organized by **AMI Hisar Unit** at CCS Haryana Agricultural University, Hisar on 05n June, 2015
14. Garg, V.K. (2014) Delivered invited talk on the topic “**Baseline Radioactivity in the vicinity of proposed nuclear power plant in Haryana**” in the “**National Conference on techniques in monitoring of environmental pollution**” held from 25th -26th October, 2013 at MDU, Rohtak, India (**Invited Speaker**)

15. **Garg, V.K.** (2014) Delivered an invited talk on the topic **“Research perspectives in Radioecology”** in the International Conference held at Universal Institute of Technology Garhi (Hansi), Distt. Hisar (Haryana), India
16. **Garg, V.K.** (2014). Delivered invited talk on the topic on the topic **“Natural Radioactivity around proposed nuclear power plant site in Haryana”** in the National conference **“Challenges of Biological and Environmental Science in 21<sup>st</sup> Century”** held at Sarswati Vidya Mandir Mahila P. G. College, Gorakhpur from 19 & 20 December 2014. (Invited speaker).
17. **Garg, V.K. (2014).** Delivered invited talk on the topic **“Vermicomposting- a boon for farmers”** in the workshop organized by **Deen Dayal Upadhyay University, Gorakhpur** on 21 December, 2014. (Keynote speaker)
18. **Garg, V.K. (2014).** Delivered an invited talk on the topic **“Natural Radioactivity in non-human biota”** in the **7<sup>th</sup> Conference of Biotechnology Society of India (BIOTECHON-2014)** held at Baba Farid University of Health Science, Faridkot Punjab, India on January 23-24, 2014 (Invited Speaker)
19. **Garg, V.K. (2014).** Delivered an invited talk on **“Quantification and Dosimetry of stable and unstable elements in some villages of Haryana”** in the UGC Sponsored National Seminar **“Perspectives in Plant and Environmental Sciences”** held at Guru Nanak Dev University, Amritsar on 11- 12 March, 2014
20. **Garg, V.K. (2014).** Chaired a session in the **Punjab Science Congress 2014** held on February 14 –16, 2014 at Punjab Technical University, Kapurthala, Punjab, India
21. **Garg, V.K. (2014)** Attended training at Deakin University, Geelong, Australia from 29 January – 08 February, 2014 under TEQIP-II programme.
22. **Garg, V.K. (2013)** attended Faculty Development programme at IIM, Indore
23. **Garg, V.K. (2013).** Delivered Invited Talk on the topic **“Radioactivity and Environment”** 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 (**Invited Speaker**)
24. **Garg, V.K. and Yadav, Anoop (2013).** **International Conference on Solid Waste 2013 Innovation in Technology and management (ICSWHK2013) held at Hong Kong, from 05 - 09 May, 2013.** Deliver an invited talk entitled **“Bioprocessing of Industrial Solid Wastes into Vermicompost Employing Earthworms”**. [**Invited Talk and Chaired a session**].
25. **Singh, M., Garg, V.K., Gautam, Y.P. and Kumar, Avinash (2013).** National Symposium in Environment (NSE-18) held at Jawahar Lal Nehru Technical University, Anantapur – 515 002. Andhra Pradesh, India from 11 -13 March,

2013. Presented a paper entitled “Transfer factor for winter wheat in field conditions around NAPS, Narora, Buladshahar, U.P., India”

26. **Garg, V.K. (2013). Delivered an invited talk entitled “Water Pollution and Its Management” in the Summer camp [ Innovation in Science pursuit for Inspired Research] organized by DST, new Delhi on 26<sup>th</sup> April, 2013 at Deewan V.S. Institute of Engineering and Technology, Meerut, India.**
27. **Garg, V.K. (2013). 2nd International Brainstorming Workshop on Short and Long-Term Solutions for MSW Management Problems in Indian Cities held at Lalit Hotel, New Delhi, India from 21-22 February, 2013. Deliver an invited talk entitled “Vermicomposting of wastewater treatment plant sludge, cow dung and weeds”. [ Invited Talk and Chaired a session]**
28. **Garg, V.K. (2012). First International Brainstorming Workshop on Waste to Energy in India, 24-25 August 2012, Mumbai, India. Deliver an invited talk entitled “Nutrient recycling from wastewater treatment plants’ sludge employing earthworms”. [Invited Talk and Chaired a Session].**
29. **Garg, V.K. (2012). National Conference-EPCAS-2012 on "Environment Pollution-Challenges ahead and their solutions", Global Research Institute of Management & Technology, Nachraun, Radaur, Yamuna Nagar, India held on 21-22 April, 2013. Delivered an invited talk entitled “ Solid Waste Management”. [Invited Talk and Chaired a Session].**
30. **Garg, V.K. and Yadav, Anoop (2012). 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. Delivered a talk entitled “Management of industrial wastes by vermitechology”. [Invited Speaker and Chaired a Session].**
31. **Garg, V.K. (2012). International Conference on Industrial Biotechnology (ICIB-2012) held at Punjabi University, Patiala, India from November 21-23, 2011. Delivered a talk entitled “Development of Vermicompost from Industrial Wastes”. [Invited Speaker]**
32. **The 2nd International Conference on Solid Waste Management and Exhibition” (IconSWM 2011) held at Jadhavpur University, Kolkata from November 9-11, 2011. Presented paper entitled” Potential of Vermitechology in pre-consumer processing vegetable waste”. This paper was awarded best technical paper presentation. [Chaired a session]**
33. **International Conference on New Horizons in Biotechnology [NHBT-2011] organized by NIIST, Trivendrum and Biotech Research Society of India from November 21 - 24, 2011. Delivered an invited talk on the topic “Potential of Vermitechology in Industrial Waste Management” [Invited speaker]**

34. **International Conference on Solid Waste Moving Towards Sustainable Resource Management held at Hong Kong Business Centre, Hong Kong from 2 – 6<sup>th</sup> May, 2011.** Delivered a talk on “ Potential of vermitechnology in food industry sludge management [ **Invited Speaker**]
35. **International conference on Deltas under climate change: the challenges of adaptation [DELTA 2011] held in Hilton Hotel, Hanoi, Vietnam from 2<sup>nd</sup> – 4<sup>th</sup> March 2011.** Delivered a talk on Implications of Climatic Changes for the Rural Population Residing in the Vicinity of Piyali River, Sundarbans, India [**Invited speaker**].
36. **National conference (UGC sponsored) on “Recent Development in the field of Biochemistry” on 17<sup>th</sup> to 18<sup>th</sup> Feb. 2011** delivered an invited talk on “Potential of vermitechnology in solid waste management employing epigeic earthworm species” [**Invited Speaker**]
37. **Combined National Seminar (UGC sponsored) held at D. N. College, Meerut (Uttar Pradesh) India from 5 -6 Februray, 2011,** delivered a talk on “Potential of *Eisenia fetida* for the Biostabilization of Food Industry Sludge and Biogas Plant Slurry”.
38. **“National Seminar on Biodiversity, Ecosystems and Climate Change: The challenge ahead” held on Lucknow (Uttar Pradesh), India from 4-6<sup>th</sup> December 2010**[**chaired a session**]
39. **“National Seminar on Impact of Uranium and Other Heavy Metals on Health” to be held on 15 October 2010” held at Baba Farid Medical University, Faridkot, Punjab, India. (Invited Expert)**
40. **“National Workshop on Climate Change and its impact on water resources -adaptation issues” held from 23-24 November, 2010 at Chandigarh India.**
41. **“International Conference on Mountain Biodiversity: Conservation and Sustainable Utilization” held from 13-15 March, 2010 at Doon University, Dehradun (Uttarakhand), India. [Invited speaker]**
42. **“BRNS workshop on recent development in radioecology related to environmental protection from ionizing radiation” held from March 08-12, 2010 at BARC, Mumbai, India.**
43. **“National Conference on Biotechnology: New innovations” held from 23-24 February, 2010 at NIIST (CSIR) Trivandrum (India). [Invited Speaker, chaired a session]**
44. **National Seminar on Environment and Sustainable Development held from November 3-4, 2009 at Guru Nanak Dev University, Amritsar (Punjab), India. (Invited speaker)**

45. **9<sup>th</sup> International Conference on Mercury as Global Pollutant** held from June 7-12, 2009 at International Conference Centre, **Guiyang, China**. (Oral presentation)
46. **Attended a short course on “Cleaner Production and Water Cycle”** from 27April, 2009 to 15 May, 2009 at UNESCO-IHE, **Delft, The Netherlands**
47. **International Conference on Energy and Environment (Enviro energy 2009)** held from march 19-21, 2009 at Taj Chandigarh, **Chandigarh, India** (Organized by NIT, Kurukshetra)
48. **International Conference on Changing Environmental Trends and Sustainable Development (CETAS-2009)** held from 9-11 February, 2009 at Guru Jambheshwar University of Science and Technology, **Hisar, Haryana, India**.
49. **International Conference “South Asian Conference on Alternatives to Mercury in the Health Care Sector”** held from 5-6 December, 2008 at ICSSR, New Delhi. Organized by Toxic Links.
50. **International Convention on “Water Resources Development and Management” ( ICWRDM-2008)** held from 24-26 October, 2008 at BITS, Pilani, India (**Chaired a session**)
51. Workshop on **“Training programme on vermicomposting”** held from 21-22 September, 2008 at Deen Dayal Upadhyay University, Gorakhpur (UP) (**Invited speaker**)
52. **National Conference on “Recent Advances in the Development of Sustainable Environment”** held from 4-5 May, 2008 at Haryana College of Engineering, Jagadhri, Haryana. (**Invited speaker, Chaired a session**)
53. **National Conference on Environmental Degradation-Challenges and Remedies** held from 13-14 March, 2008 at Maharishi Markandeshwar University, Mullana - Ambala, Haryana
54. **International Congress of Environmental Research** held from **28-30 December, 2007** at Government Geetanjali Girls PG College, Bhopal, India (**Invited Speaker**)
55. International conference on **New Horizons in Biotechnology (NHBT-2007)** held from **26-29 November, 2007** at National Institute for Interdisciplinary Science & Technology, Trivandrum, India. (**Chaired a Session**).
56. International Conference on **Managing the Coastal Land-Water Interface in Tropical Delta Systems (DELTA-2007)** held from **7-9 November, 2007** at **The Tide Resort, Beang Sean, Bangkok, Thailand** (**Invited Speaker**)



57. National “**Workshop on E-Waste Management**” held on 25 October, 2007 at Guru Jambheshwar University of Science and Technology, Hisar 125001, Haryana, India.
58. National Workshop on “**Reducing Dependency on Mercury: Usage, processes and Impacts in India**” held on 27-29 September, 2007 at ICSSR, New Delhi. Organized by Toxic Links.
59. National Workshop on “**Wastewater management and treatment technologies for textile industry**” held on 27-28 June, 2007 at Malaviya National Institute of Technology, Jaipur (Rajasthan), India
60. National Environment Awareness Campaign (NEAC-2007). Delivered special lecture on “**Vermicomposting: An Eco-Technology for Solid Waste Management**” at Department of Botanical and Environmental Sciences, Guru Nanak Dev University, Amritsar (Punjab). [\[Invited Speaker\]](#)
61. 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 (India). [\(Invited speaker\)](#)
62. “National Conference on Limnology” held at Maharana Pratap University of Agriculture and Technology, Udaipur (Rajasthan) on 19-21 February, 2007. [The paper was awarded Best paper Presentation award.](#)
63. “National Conference on Chemical Technologies and Biotechnology: New innovations” held from 14-16 September, 2006 at RRL (CSIR) Trivandrum (India). [\[Invited Speaker\]](#)
64. “National Conference on Environmental Education” held on 6-8, 2006 organized by Indian Environment Society, Delhi at SHM House, Bangalore [\(Invited speaker\)](#)
65. Workshop on “**Water Management**” held on February 17, 2006 at Ch. Devlal University, Sirsa (India) organized by Department of Environmental Science Ch. Devlal University, Sirsa (India) [\[Keynote Speaker\]](#)
66. World Congress on “**Sustainable Management in Action**” [SMIA05] held on September 19-20 (2005) at University of Geneva, Geneva, Switzerland organized by University of Geneva, Switzerland.
67. Workshop on “**Conservation and Sustainable Management of Below ground Biodiversity**” held on June 21-23, 2005 at Kerala Forest Research Institute, Kochi (India) organized by Tropical Soil Biology and Fertility Institute of CIAT [\[Expert speaker on vermicomposting technology\]](#).

68. National Seminar on **Recent Trends in Surface Catalysis held (RTSC-05)** on 13-14 March, 2005 at Guru Jambheshwar University, Hisar (Haryana), India.
69. National seminar on **Ecology and Environmental management: Issues and Research Needs** held on 8 – 9 January, **2004** at Kurukshetra University, Kurukshetra ( Haryana), India
70. National seminar on **Emerging Environmental Issues and Technological Challenges** held on 1 – 2 September, **2003** at Guru Jambheshwar University, Hisar (Haryana), India.
71. National Conference on **Innovative Approaches in the Management of Environment** held on 17 – 18 October, **2003** at Delhi College of Engineering, Delhi, India.
72. National Seminar on “**Human Rights and Duties: Challenges in New Millennium**” held on 27 – 28 April, **2002** at Guru Jambheshwar University, Hisar (Haryana), India.
73. Workshop on “**Accelerated Mass Spectroscopy**” held on 5 October, **2001** at Nuclear Science Centre, New Delhi.
74. National Seminar on “**Challenges in Higher Education**” held on 3 – 4 March, **2001** at Guru Jambheshwar University, Hisar (Haryana), India.
75. “**Patent Awareness Workshop**” organized by Punjab State Council for Science and Technology on 25 August, **2001** at Guru Jambheshwar University, Hisar (Haryana) India.
76. National Conference on **Environmental pollution Prevention and Control on Healthy Living** held on 21 November, **2000** at Indian National Science Academy organized by GTB hospital, at New Delhi, India.
77. National Seminar on “**TRIPS – Contents and Applications**” held on 12 – 13 November, **1999** at Guru Jambheshwar University, Hisar( Haryana), India
78. **International Symposium on Allelopathy** organized by International allelopathy Association on 16 – 18 August, **1998** at University of Agricultural Sciences, Dharwar ( Karnataka), India.
79. International **Workshop on Waste to Energy** organized by CII held on 7 August, **1997** at New Delhi.
80. **International Conference on Sustainable Agriculture and Environment** organized by Maxmuller Bhawan, New Delhi held on 11 – 13 January, **1995** at CCS Haryana Agricultural University, Hisar (Haryana), India.

- 81.** Regional Seminar on “**Herbicide Resistance: Current Status and Research Findings**” held on 13 October, **1995** at CCS Haryana Agricultural University, Hisar (Haryana), India.
- 82.** **XVI International Congress of Biochemistry and Molecular Biology** held on 19 – 22 September, **1994** at New Delhi.
- 83.** **International Symposium on Herbicide Resistance Management** organized by Indian Society of Weed Science held on 18 – 20 November, **1993** at CCS Haryana Agricultural University, Hisar (Haryana), India.
- 84.** **National Conference in Chemistry** organized by Indian Chemical Society held on 28 – 30 December, **1987** at Gwalior (M.P.), India.

## ANNEXURE III

### DETAILS OF Ph.D. THESIS SUPERVISION

At present four student are doing Ph.D. under my supervision. The details are given below:

**1. ENERGY RECOVERY FROM TEXTILE INDUSTRY WASTE BY ALTERNATE TECHNOLOGIES: POTENTIALS AND POSSIBILITIES**

Name of the Candidate: Ms. Priya Kaushik

**Co – Guide:** Prof. Y.K. Yadav, College of Agric. Engg., CCS HAU, Hisar

**Completed on Feb.6, 2006**

**2. HEAVY METAL ION REMOVAL FROM CONTAMINATED WATER BY DYNAMIC COLUMN ADSORPTION**

Name of Candidate: Ms. Jyotsna Goel, JRF

**Co- Guide:** Dr. Chitra Rajagopal, Scientist F, CEES, DRDO, Metcalf House, New Delhi

**Completed on Feb.6, 2006**

**3. FLUORIDE IN DRINKING WATER: ITS EFFECTS, TOXICITY AND REMOVAL**

Name of the candidate: Mr. Bhupinder Singh, Project Fellow (UGC)

**(Completed on Jan. 31, 2008).**

**4. POTENTIAL OF VERMICOMPOSTING TECHNOLOGY IN WASTE MANAGEMENT OF SUGAR INDUSTRY WASTE**

Name of the Candidate: Mrs. Pritam Sangwan (University Research fellow)

**(Completed in June, 2008).** (Co – guide)

5. **POTENTIAL AND POSSIBILITIES OF VERMICOMPOSTING TECHNOLOGY IN SOLID WASTE MANAGEMENT OF AN INDIAN CITY.**  
Name of the Candidate: Ms. Renuka Gupta, JRF (UGC)  
**(Completed in Feb., 2010)**
  
6. **REMOVAL OF HEAVY METAL POLLUTANTS BY BIOSORPTION USING LOW COST BIOSORBENTS**  
Name of the candidate: Mr. Manjeet Bansal  
(Co-Guide), **Thesis submitted to NIT, Kurukshetra, Teacher Fellow**  
**(Completed in 2009)**
  
7. **STUDIES ON CHARACTERIZATION AND TREATMENT OF INDUSTRIAL WASTES FOR TOXIC HEAVY METALS**  
  
Name of the candidate: Mr. Umesh Kumar Garg  
(Co-Guide), **Thesis submitted to Punjab Technical University, Jalandhar**  
**(Completed in 2010)**
  
8. **USE OF VERMITECHNOLOGY FOR THE MANAGEMENT OF FOOD INDUSTRY WASTE**  
  
Name of the candidate: Mr. Anoop Yadav, JRF, UGC  
**(Completed 2013)**
  
9. **HEAVY METAL REMOVAL FROM WATER USING ADSORPTION TECHNOLOGY**  
  
Name of the candidate: Ms. Monika Jain, SRF, CSIR  
**(Completed in 2012)**
  
10. **DISTRIBUTION, TRANSFER AND DOSIMETRY OF SELECTED STABLE AND UNSTABLE ELEMENTS IN AGRICULTURAL SYSTEM AROUND NAPS, NARORA, INDIA”**  
  
Name of the candidate: Manbir Singh  
**(Completed in 2015) : JRF/SRF in BRNS Funded project**

11. **ASSESSMENT OF TRANSFER FACTOR OF NATURALLY OCCURRING NATURAL MATERIALS (NORMs) AND STABLE ELEMENTS FROM SOIL TO AGRICULTURAL CROPS IN THE VICINITY AREA OF PROPOSED NUCLEAR POWER PLANT SITE, HARYANA**

Name of the candidate: Poonam Yadav

(Co-Guide) (Completed in 2015) JRF/SRF in BRNS Funded project

12. **BASELINE RADIOACTIVITY (NATURAL AND FALLOUT) IN DIFFERENT ENVIRONMENTAL MATRICES WITHIN 30-KM RADIUS AROUND PROPOSED NUCLEAR POWER PROJECT, GORAKHPUR (HARYANA)**

Name of the candidate: Balvinder Singh

(Co-Guide) (Registered in 2011) Thesis submitted in September 2015.

JRF/SRF in BRNS Funded project

13. **REMOVAL OF HEAVY METALS AND DYES FROM AQUEOUS SOLUTION BY NANOPARTICLES**

Name of the candidate: Navish Kataria JRF-UGC; Registered in 2013.

14. **PREPARATION AND CHARACTERIZATION OF NANOPARTICLES FOR THE REMOVAL OF DYES AND HEAVY METALS FROM SIMULATED WASTEWATER.**

Name of Candidate : Seema Joshi, JRF-BRS, UGC: Registered in 2013.

15. **DISTRIBUTION AND RISK ANALYSIS OF NATURAL RADIONUCLIDE AND HEAVY METALS IN AGRICULTURAL SYSTEM IN SONIPAT AND PANIPAT DISTRICTS, HARYANA, INDIA**

Name of Candidate : Renu Daulta, Rajiv Gandhi Fellowship, UGC: Registered in 2015.

16. **POTENTIAL OF NANOMATERIALS TO REMOVE DYES AND HEAVY METALS FROM AQUEOUS MEDIUM.**

Name of Candidate : Jyoti, JRF-CSIR: Registered in 2015. (Co-Guide)

**PERSONAL:**

Date of Birth : 18th April, 1964

Nationality : Indian

Postal Address : Prof. V. K. Garg,  
Centre for Environmental Science and  
Technology  
Central University of Punjab  
Bathinda – 151 001 (Punjab)

Permanent Address : Prof. V. K. Garg  
H. No. E-13  
Guru Jambheshwar University of  
Science and Technology  
Hisar- 125001, Haryana,

Present post held : Professor

Phone Number : 01662 – 275375 (R),  
9812058109 (M)

E-Mail : [vinodkgarg@yahoo.com](mailto:vinodkgarg@yahoo.com)