

Prof. Vinod Kumar Garg

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EMPLOYMENT RECORD:

- i) Working as **Professor** from 15-03-2016 in the Centre for Environmental Sciences and Technology , Central University of Punjab, Bathinda 155001, 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) [on EOL].
- 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 : **40**
- Scopus Citations : **5200**
- Google Scholar H-Index : **46**
- Google Scholar Citation: **8200**

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 as Visiting Scientist.
2. Visited Deakin University, Geelong, Australia in Jan – Feb., 2014 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 5TH 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. Member editorial boards of several national and international journals.
14. Member PGBOS of other universities.
15. Ph. D. thesis examiner of other universities.
16. Examiners for theory as well practical examination for UG and PG courses of several Universities.
17. Member organizing Committee of several national and International conferences
18. 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 PERFORING/PERFORMED:

- i) **Dean Students Welfare (DSW)**, Central University of Punjab, Bathinda, India.
- ii) **Dean, School of Environment and Earth Sciences**, Central University of Punjab, Bathinda, India.
- iii) **Coordinator, Centre for Environmental Sciences and Technology**, Central University of Punjab, Bathinda, India.
- iv) Member, **Executive Council** from 2016- 2018, Central University of Punjab, Bathinda, India.
- v) Member, **Academic Council** from 2016- 2018, Central University of Punjab, Bathinda, India.
- vi) Chairman, FIST, **Centre for Environmental Sciences and Technology**, Central University of Punjab, Bathinda,
- vii) **Incharge, Radio-ecology Centre**, Guru Jambheshwar University of Science and Technology, Hisar (2009 – 2016).
- viii) **Member, Planning Board**, Central University of Punjab, Bathinda, India. (2016 – 2018)
- ix) **Member, Building Advisory Committee**, Central University of Punjab, Bathinda, India. (2016 – 2018)
- x) Member, **Co-ordination Committee for NAAC Peer Team Visit** to Central University of Punjab, Bathinda, India. (April, 2016)
- xi) Officiated as **Registrar** in May/2016 Central University of Punjab, Bathinda, India

- xii) Officiated as **Controller of Examination** in May/2016 Central University of Punjab, Bathinda, India.
- xiii) Expert Member, **District level Expert Appraisal Committee (DEAC)**, Bathinda, Punjab (2016 – 2019)
- xiv) Expert Member, **District level Expert Appraisal Committee (DEAC)**, Faridkot, Punjab (2016 – 2019)
- xv) Member of the **Academic Council** (four times) GJU, Hisar
- xvi) Member of the **University Court**, GJU, Hisar (1996- 1998)
- xvii) Member of the **Proctorial Board** of the University in 2003 – 2006.
- xviii) **Incharge, Rate Contract Committee** (2016), Central University of Punjab, Bathinda, India.
- xix) **Co –Incharge** of the SC/ST coaching centre of the Guru Jambheshwar University of Science and Technology, Hisar
- xx) **Co-Incharge** of the University Coaching Centre (UCC) for the coaching of IAS/HCS and other allied services at Guru Jambheshwar University of Science and Technology, Hisar
- xxi) 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.
- xxii) Member of **Faculty** of Non-conventional Sources of Energy and Environmental Science, Guru Jambheshwar University of Science and Technology, Hisar.
- xxiii) Member of **Departmental Research Committee**, Department of Environmental Science and Engg., Guru Jambheshwar University of Science and Technology, Hisar.
- xxiv) Member of **PG Board of Studies of several Universities** (Kurukshetra University, Kurukshetra; Maharaja Ganga Singh University, Bikaner; B. R. Ambedkar University, Jhansi; Maharaja Ranjit Singh Technical University, Bathinda)

- xxv) **Subject expert for Curriculum development** for Undergraduate and Post graduate classes in different universities. (Central University of Haryana, YMCA University of Science and Technology, Faridabad, Maharaja Ranjit Singh Technical University, Bathinda)
- xxvi) **Subject Expert** in the **Faculty selection committee** of other universities
- xxvii) **Subject Expert in State Public service commissions** for selections
- xxviii) **Subject Expert for paper setting in State Public service commissions** for selections
- xxix) **Paper setter, thesis evaluator (Masters and Doctoral)** for different Indian and Abroad universities
- xxx) **Paper setter for Ph. D. Entrance exam** for different universities.
- xxxii) **Paper setter for screening test for faculty selection** for different universities.

AREA OF RESEARCH:

- i) Water and Wastewater pollution monitoring and abatement
- 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).
- ix) **Production of Courseware e-Content for Post- Graduate Subject (Environmental Sciences)** funded by University Grants Commission, New Delhi (Co-Principal Investigator) sanctioned in 2016 (Rs. 105.00 lakhs).

PUBLICATIONS:

Total Number of Publications : 292

a)	Research Papers (Published/accepted) (Total)	:	153
	<i>International</i>	:	122
	<i>National</i>	:	31
b)	Research Papers (Communicated)	:	07
c)	Reviews	:	04
d)	Research papers in Proceedings of conferences	:	22
e)	Abstracts in Proceedings of conferences	:	42
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)	:	12
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 12 (completed) 04 (In progress) 01 (preparing)

CONFERENCES ATTENDED AND/OR PARTICIPATED:

92 National and International Conferences/Symposiums/Workshops/ Short term courses 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)
- vii) **Editor-in-Chief “Journal of Environmental Science and sustainability”** (online journal: www.jessresearch.com)
- viii) **Member “Editorial Board”** for the **publication of the Proceedings** of the 16th 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)
- bc) *Process Safety and Environmental Protection* (An International Journal)
- bd) *Toxic Reports* (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 IIIrd 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.**

MEMBERSHIP OF PROFESSIONAL BODIES:

1. Life member, Biotech Research Society of India, Trivendrum
2. Life Member, Indian Science Congress, Kolkata
3. Life Member, Indian Society of Weed Science, Jabalpur
4. Life Member, National Solid Waste Association of India (NSWAI), Mumbai
5. Life Member, International forum on Industrial Bioprocesses (IFIBiop), Clermont-Ferrand, France
6. Life Member, Indian Nuclear Society, Mumbai
7. Life Member, Punjab Academy of Sciences, Patiala

8. Member, Working Group on Biological Treatment of Wastes,
International Solid Waste Association, Austria

ANNEXURE – I

LIST OF PUBLICATIONS

RESEARCH PAPERS IN JOURNALS

(INTERNATIONAL)

1. Yadav, P., **Garg, V.K.**, Singh, B., Mor, S., Pulhani, V. (2017). Transfer factors, effective dose evaluation due to natural radioactivity in 2 staple food grains from the vicinity of proposed nuclear power plant. **Exposure and Health** (in press) (**Impact Factor : 1.306**) [Springer]
2. Saini, J., **Garg, V. K.**, Gupta, R. K. and Kataria, Navish (2017). Removal of Orange G and Rhodamine B dyes from aqueous system using hydrothermally synthesized zinc oxide loaded activated carbon (ZnO-AC). **Journal of Environmental Chemical Engineering**, 5: 884 – 892. [Elsevier]
3. Sharma, Kavita and **Garg, V.K.** (2017). Management of food and vegetable processing waste spiked with buffalo waste using earthworms (*Eisenia fetida*). **Environmental Science and Pollution Research**, 28(4): 7829 – 7836. (**Impact Factor 2.760**) [Springer]
4. Soobhany N., Sanjana D Gunasee, Yogeshwari Pooja Rago, Hashita Joyram, Pravesh Raghoo, Mohee, R. and **Garg, V.K.** (2017). Spectroscopic, thermogravimetric and structural characterization analyses for comparing Municipal Solid Waste composts and vermicomposts stability and maturity. **Bioresource Technology** (**Impact Factor 5.16**) [Elsevier]

5. Soobhany, N., Mohee, R. and **Garg, V.K. (2017)**. Inactivation of bacterial pathogenic load in compost against vermicompost of organic solid waste aiming to achieve sanitation goals: A review. **Waste Management, 64: 51 - 62 (Impact Factor 3.829)** [Elsevier]
6. Soobhany, N., Mohee, R. and **Garg, V.K. (2017)**. A comparative analysis of composts and vermicomposts derived from municipal solid waste for the growth and yield of green bean (*Phaseolus vulgaris*). **Environmental Science and Pollution Research, 24(12): 11228 – 7836. (Impact Factor 2.760)** [Springer]
7. Yadav, P., Singh, B., **Garg, V.K.**, Mor, S. and Pulhani, V. (2017). Bioaccumulation and health risks of heavy metals associated with consumption of rice grains from croplands in Northern India. **Human and Ecological Risk Assessment, 23 (1): 14-27. [Taylor and Francis] (Impact Factor : 1.306)**
8. Yadav, Poonam, Singh, Balwinder and **Garg, V.K. (2017)**. Assessment of bio-concentration factor of heavy metals in soil-crop system in Haryana State, India. **Journal of Scientific and Industrial Research. 76 (6): 381-385 [NISCAIR, India]**
9. Singh, Mahavir, Yadav, P., Sharma, A., **Garg, V.K.**, Mittal, D. (2016). Estimation of mineral and trace element profile in bubaline milk affected with subclinical mastitis. **Biological Trace Element Research. 176 (2): 305 – 310. [Springer] (Impact Factor : 1.798)**
10. Kataria, Navish, **Garg, V.K.**, Jain, Monika and Kadirvelu, K. (2016). Preparation, characterization and potential use of flower shaped Zinc oxide nanoparticles (ZON) for the adsorption of Victoria Blue B dye from aqueous solution. **Advanced Powder Technology, 27(4): 1180 - 1188 [Elsevier]. (Impact Factor : 2.638)**
11. Devi, P., Bajala, V., **Garg, V.K.**, Mor, S. and Ravindra, K. (2016). Heavy metal content in various types of candies and their daily dietary intake by children. **Environmental Monitoring and Assessment; 188(2,): Article number 86, Pages 1-8 [Springer] (Impact Factor : 1.679)**

12. Bansal, Manjeet, Mudhoo, Ackmez, **Garg, V.K.** and Singh, D. (2016). Sequestration of copper (II) from simulated wastewater using pre—treated rice husk waste biomass. **Environmental Engineering and Management Journal**. (In press) (**Impact Factor : 1.065**)
13. Jain, M., **Garg, V.K.**, Kadirvelu, K.and Sillanpää, M (2016). Adsorption of heavy metals from multi-metal aqueous solution by sunflower plant biomass-based carbons. **International Journal of Environmental Science and Technology**; 13 (2): 493-500 [**Springer**]. (**Impact Factor : 2.190**)
14. Yadav, Anoop and **Garg, V.K.** (2016). Influence of stocking density on the vermicomposting of an effluent treatment plant sludge amended with cow dung. **Environmental Science and Pollution Research** (In press, available online.) [**Springer**]. (**Impact Factor : 2.828**)
15. Singh, Manbir, **Garg, V.K.**, Gautam, Y.P. and Kumar, A. (2016). Spatial mapping of uranium in groundwater and health risk assessment around a nuclear atomic power station in India. **Environmental Engineering and Management Journal**. 15(4): 783 – 790. (**Impact Factor : 1.065**)
16. Yadav, Anoop and **Garg, V.K.** (2016). Vermiconversion of Biogas plant slurry and Parthenium weed mixture to manure. **International Journal of Recycling of Organic Waste in Agriculture**, 5 (4), 301-309 [**Springer**]
17. Singh, Manbir, **Garg, V.K.**, Gautam, Y.P. and Kumar, A. (2015). Transfer factor of ¹³⁷Cs from soil to wheat grains and dosimetry around Narora Atomic Power Station, Narora, India. **J Radioanal Nucl Chem**, 303(1): 901-909 [**Springer**] (**Impact Factor : 1.03**)
18. Soobhany, N., Mohee, R. 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**]. (**Impact Factor : 2.580**)
19. 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**] (**Impact Factor : 2.587**)

20. 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].
21. 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 (**Impact Factor : 1.100**)
22. Singh, Manbir, **Garg, V.K.**, Gautam, Y.P. and Kumar, A. (2015). Soil to rice grain transfer factor and radiological dose of ¹³⁷Cs and ⁹⁰Sr around NAPS, Narora, India. **J Radioanal Nucl Chem.**, 304(3): 1275-1283 [Springer] (**Impact Factor : 1.03**)
23. Yadav, A., 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. (**Impact Factor : 2.828**)
24. Soobhany, N., Mohee, R. 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] (**Impact Factor : 3.220**)
25. 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]
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<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:

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- 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 aavun 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.

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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.
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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 CONFERENCES/ SYMPOSIA/ WORKSHOPS/SHORT COURSE ATTENDED AND PARTICIPATED

8. **Garg, V.K.** (2016). Delivered an invited talk on “**Potential of vermitechnology for nutrient recovery and organic waste recycling**” in **International Conference on Current Trends in Biotechnology ICCB 2016**, held from 8th -10th December 2016, held at VIT University, Vellore, Tamilnadu, India (chaired a session also)
9. **Garg, V.K.** (2016). Delivered an invited talk on “Utilization of earthworms in solid waste management” in **International Conference on “Strategies for Environmental Protection and Management”** held from 11th to 13th December 2016 at Jawaharlal Nehru University, New Delhi, India.
10. **Garg, V.K.** (2016). Delivered invited talk on "**Solid Waste Management**" in **National Seminar on “Biotechnology for Sustainable development (BSD-2016)”** held from 4-5 August, 2016 at Central University of Haryana, Mahendergarh, Haryana.
11. **Garg, V.K.** (2016). Delivered invited talk on “**Baseline radioactivity in the vicinity of proposed nuclear power project in Haryana, India**” in **TEQIP sponsored 2nd International Conference Harnessing Engineering, Technology & Innovation for Sustainable Growth (HETIS-2016)** held from September 30 – October, 01, 2016 at Panjab University, Chandigarh.
12. **Garg, V.K.** (2016). Attended **International conference “LPG - Catalyst of Social change”** organized by Research & Development Initiative, New Delhi held at Bhubaneswar, India on 1 - 2 September 2016.
13. **Garg, V.K.** (2016). Delivered invited talk on “**Environmental Radioactivity**” in short term programme on “Environment, Development and Sustainability” held from 4 - 8 July, 2016 at YMCA University of Science and Technology, Faridabad, Haryana
14. **Garg, V.K.** (2016). Delivered invited talks (03) on **Radioecology** in “Science Academies’ Refresher Course on Environmental Biology” (supported by IASc- Bangalore, INSA-New Delhi and NASI-Allahabad) from 1st February to 15th February, 2016 organized by Central University of Punjab, Bathinda, India.
15. **Garg, V.K.** (2016). **Chaired a session** in “**National Conference on Medical and Life Sciences-2016 (NCMLS-2016)**” organized by Baba Farid University of Health Sciences, Faridkot, India on 12 April, 2016.
16. **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, 2015 at Dr Shanti Swarup Bhatnagar University Institute of Chemical Engineering & Technology, Panjab University Chandigarh. (Invited speaker)

17. 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)
18. 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
19. 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.
20. 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.
21. 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
22. 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**)
23. **Garg, V.K.** (2014) Delivered an invited talk on the topic “**Research perspectives in Radioecology**” in the International Conferene held at Universal Institute of Technology Garhi (Hansi), Distt. Hisar (Haryana), India
24. **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 21st Century**” held at Sarswati Vidya Mandir Mahila P. G. College, Gorakhpur from 19 & 20 December 2014. (Invited speaker).

25. **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)
26. **Garg, V.K.** (2014). Delivered an invited talk on the topic “**Natural Radioactivity in non-human biota**” in the **7th 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)
27. **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
28. **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
29. **Garg, V.K.** (2014) Attended training at Deakin University, Geelong, Australia from 29 January – 08 February, 2014 under TEQIP-II programme.
30. **Garg, V.K.** (2013) attended Faculty Development programme at IIM, Indore
31. **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 25th -26th October, 2013 at MDU, Rohtak, India (**Invited Speaker**)
32. **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**].
33. **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**”
34. **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 26th April, 2013 at Deewan V.S. Institute of Engineering and Technology, Meerut, India.**
35. **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**]

- 36. 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**].
- 37. 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**].
- 38. 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 vermitechnology”. [**Invited Speaker and Chaired a Session**].
- 39. 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**]
- 40. 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 Vermitechnology in pre-consumer processing vegetable waste”. **This paper was awarded best technical paper presentation.** [**Chaired a session**]
- 41. 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 Vermitechnology in Industrial Waste Management” [**Invited speaker**]
- 42. International Conference on Solid Waste Moving Towards Sustainable Resource Management held at Hong Kong Business Centre, Hong Kong from 2 – 6th May, 2011.** Delivered a talk on “ Potential of vermitechnology in food industry sludge management [**Invited Speaker**]
- 43. International conference on Deltas under climate change: the challenges of adaptation [DELTA 2011] held in Hilton Hotel, Hanoi, Vietnam from 2nd – 4th 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**].

44. **National conference (UGC sponsored) on “Recent Development in the field of Biochemistry”** on 17th to 18th Feb. 2011 delivered an invited talk on “Potential of vermitechnology in solid waste management employing epigeic earthworm species” [**Invited Speaker**]
45. **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”.
46. **“National Seminar on Biodiversity, Ecosystems and Climate Change: The challenge ahead”** held on Lucknow (Uttar Pradesh), India from 4-6th December 2010[**chaired a session**]
47. **“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**)
48. **“National Workshop on Climate Change and its impact on water resources -adaptation issues”** held from 23-24 November, 2010 at Chandigarh India.
49. **“International Conference on Mountain Biodiversity: Conservation and Sustainable Utilization”** held from 13-15 March, 2010 at Doon University, Dehradun (Uttarakhand), India. [**Invited speaker**]
50. **“BRNS workshop on recent development in radioecology related to environmental protection from ionizing radiation”** held from March 08-12, 2010 at BARC, Mumbai, India.
51. **“National Conference on Biotechnology: New innovations”** held from 23-24 February, 2010 at NIIST (CSIR) Trivandrum (India). [**Invited Speaker, chaired a session**]
52. **National Seminar on Environment and Sustainable Development** held from November 3-4, 2009 at **Guru Nanak Dev University, Amritsar (Punjab)**, India. (**Invited speaker**)
53. **9th International Conference on Mercury as Global Pollutant** held from June 7-12, 2009 at International Conference Centre, **Guiyang, China**. (Oral presentation)
54. **Attended a short course on “Cleaner Production and Water Cycle”** from 27April, 2009 to 15 May, 2009 at UNESCO-IHE, **Delft, The Netherlands**

- 55. International Conference on Energy and Environment (Enviro energy 2009)** held from march 19-21, 2009 at Taj Chandigarh, **Chandigarh, India** (Organized by NIT, Kurukshetra)
- 56. 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.**
- 57. 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.
- 58. International Convention on “Water Resources Development and Management” (ICWRDM-2008)** held from 24-26 October, 2008 at BITS, Pilani, India (**Chaired a session**)
- 59. Workshop on “Training programme on vermicomposting”** held from 21-22 September, 2008 at Deen Dayal Upadhyay University, Gorakhpur (UP) (**Invited speaker**)
- 60. 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**)
- 61. National Conference on Environmental Degradation-Challenges and Remedies** held from 13-14 March, 2008 at Maharishi Markandeshwar University, Mullana - Ambala, Haryana
- 62. International Congress of Environmental Research** held from **28-30 December, 2007** at Government Geetanjali Girls PG College, Bhopal, India (**Invited Speaker**)
- 63. 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**).
- 64. 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)**
- 65. National “Workshop on E-Waste Management”** held on 25 October, 2007 at Guru Jambheshwar University of Science and Technology, Hisar 125001, Haryana, India.
- 66. 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.

67. 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
68. 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)**. [\[Invited Speaker\]](#)
69. 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)**. [\(Invited speaker\)](#)
70. **“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.](#)
71. **“National Conference on Chemical Technologies and Biotechnology: New innovations”** held from 14-16 September, 2006 at RRL (CSIR) Trivandrum (India). [\[Invited Speaker\]](#)
72. **“National Conference on Environmental Education”** held on 6-8, 2006 organized by Indian Environment Society, Delhi at SHM House, Bangalore [\(Invited speaker\)](#)
73. 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) [\[Keynote Speaker\]](#)
74. 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**.
75. 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 [\[Expert speaker on vermicomposting technology\]](#).
76. National Seminar on **Recent Trends in Surface Catalysis** held (RTSC-05) on 13-14 March, 2005 at Guru Jambheshwar University, Hisar (Haryana), India.
77. National seminar on **Ecology and Environmental management: Issues and Research Needs** held on 8 – 9 January, 2004 at Kurukshetra University, Kurukshetra (Haryana), India

78. National seminar on **Emerging Environmental Issues and Technological Challenges** held on 1 – 2 September, **2003** at Guru Jambheshwar University, Hisar (Haryana), India.
79. National Conference on **Innovative Approaches in the Management of Environment** held on 17 – 18 October, **2003** at Delhi College of Engineering, Delhi, India.
80. National Seminar on “**Human Rights and Duties: Challenges in New Millennium**” held on 27 – 28 April, **2002** at Guru Jambheshwar University, Hisar (Haryana), India.
81. Workshop on “**Accelerated Mass Spectroscopy**” held on 5 October, **2001** at Nuclear Science Centre, New Delhi.
82. National Seminar on “**Challenges in Higher Education**” held on 3 – 4 March, **2001** at Guru Jambheshwar University, Hisar (Haryana), India.
83. “**Patent Awareness Workshop**” organized by Punjab State Council for Science and Technology on 25 August, **2001** at Guru Jambheshwar University, Hisar (Haryana) India.
84. 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.
85. National Seminar on “**TRIPS – Contents and Applications**” held on 12 – 13 November, **1999** at Guru Jambheshwar University, Hisar (Haryana), India
86. **International Symposium on Allopathy** organized by International allopathy Association on 16 – 18 August, **1998** at University of Agricultural Sciences, Dharwar (Karnataka), India.
87. International **Workshop on Waste to Energy** organized by CII held on 7 August, **1997** at New Delhi.
88. **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.
89. Regional Seminar on “**Herbicide Resistance: Current Status and Research Findings**” held on 13 October, **1995** at CCS Haryana Agricultural University, Hisar (Haryana), India.
90. XVI **International Congress of Biochemistry and Molecular Biology** held on 19 – 22 September, **1994** at New Delhi.

- 91. 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.
- 92. 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
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10. **DISTRIBUTION, TRANSFER AND DOSIMETRY OF SELECTED STABLE AND UNSTABLE ELEMENTS IN AGRICULTURAL SYSTEM AROUND NAPS, NARORA, INDIA”**

Name of the candidate: Manbir Singh
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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.**

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