

1. PERSONAL INFORMATION:

Name Dr. Mukesh Kumar Kanwar
Father's Name Sh. Ashok Kumar Kanwar
Date of Birth June 13, 1984
Nationality Indian
Designation Department In-charge
Present Position Assistant Professor
Permanent Address VPO: Karari; Tehsil: Mukerian, Hoshiarpur, Punjab-144222.
Correspondence Address In-charge,
Department of Botany and Environmental Sciences, Sri Guru Granth
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2. ACADEMIC ACHIEVEMENTS:

Degree	University	Name of the institution	%/CGP	Year of passing
Ph.D	Guru Nanak Dev University, Amritsar.	Department of Botanical and Environmental Sciences.	9.56/10	2013
M.Sc. (Hons.) Env. Sciences	Guru Nanak Dev University, Amritsar.	Department of Botanical and Environmental Sciences.	75.44%	2007
B.Sc. (Medical)	Guru Nanak Dev University, Amritsar.	Govt. College, Gurdaspur	64.04%	2005
10+2	Central Board of Secondary Education	Kendriya Vidyalaya No.1, Binnaguri Cantt. (WB)	67.66%	2002
Metric	Central Board of Secondary Education	Kendriya Vidyalaya No. 2, Akhnoor (J&K)	62.4%	2000

3. ACADEMIC HONORS:

- Qualified ARS-NET, March, 2014 (National Level Test).
- Qualified UGC-NET, December, 2011 (National Level Test).

4. SCHOLARSHIPS:

- Awarded with DBT JRF & SRF Fellowship (July, 2008 – January, 2011).
- Awarded CSIR-SRF Fellowship (April, 2011- September, 2012).

5. EMPLOYMENT RECORD:

- Presently working as Assistant professor from September, 2012 onwards in the Department of Botany and Environmental Science, Sri Guru Granth Sahib World University Fatehgarh Sahib, Punjab, India.

6. AREA OF RESEARCH:

- Crop stress physiology.
- Phytoremediation and heavy metal pollution monitoring.
- Natural plant products.
- Cyto-toxic studies.

6. PRESENT DUTIES:

- Teaching Fundamentals of Environmental Science to undergraduate students; Ecology, Environmental Biotechnology, Research Methodology, Biostatistics, Environmental Chemistry, Plant Physiology etc to postgraduate students.
- Guiding M.Tech. & PhD students for their research work.

7. OFFICIAL DUTIES:

- In-Charges of Department of Botany and Environmental Science.
- In-Charges of Department of Agriculture Science (Additional Charge).
- Member of Academic council, Sri Guru Granth Sahib World University, Fatehgarh, Punjab (July, 2013 onwards).
- Member of BOS for Botany and Environmental Science (July, 2013 onwards).
- Member BOS for Agriculture Science (July, 2015 onwards).

8. COMMUNITY SERVICE:

- NSS Unit Coordinator at Sri Guru Granth Sahib World University, Fatehgarh, Punjab (2014 onwards).
- Member of Eco-Club for the preservation and betterment of Environment at Sri Guru Granth Sahib World University, Fatehgarh, Punjab (2014 onwards).

- Installed Vermi-compost Unit for the facilitation of organic farming at Sri Guru Granth Sahib World University, Fatehgarh, Punjab.

9. PUBLICATIONS:

S.No	Research Papers	Impact Factor
1.	Kanwar, M, K., Poonam, Pal, Sikander, Bhardwaj, R. (2015). Involvement of Asada-Halliwell pathway during phytoremediation of Chromium (VI) in <i>Brassica juncea</i> L plants. International Journal of Phytoremediation (Taylor and Francis). Accepted. DOI 10.1080/15226514.2015.1058326.	1.739
2.	Kanwar, M, K., Poonam, Bhardwaj, R. (2015). Arsenic induced modulation of antioxidative defense system and brassinosteroids in <i>Brassica juncea</i> L. Ecotoxicology and Environmental Safety (Elsevier). 115: 119-125.	2.762
3.	Kanwar, M, K., Bhardwaj, R., Chowdhary, S, P., Arora, P., Sharma, P., and Kumar, S. (2013). Isolation and characterization of 24-Epibrassinolide from <i>Brassica juncea</i> L. and its effects on growth, Ni uptake and antioxidant defense of Brassica plants and <i>In vitro</i> cytotoxicity. Acta Physiologiae Plantarum (Springer). 35: 1351-1362.	1.584
4.	Kanwar, M.K., Bhardwaj, R., Choudhary, S.P., Arora, P., Sharma, P. and Kumar, S. (2012). Plant steroid hormones produced under Ni stress are involved in the regulation of metal uptake and oxidative stress in <i>Brassica juncea</i> L. Chemosphere (Elsevier) vol. 86, pp. 41-49.	3.499
5.	Pal, S., Kanwar, M., Bhardwaj, R., Gupta B.D., Yu, J.Q. and Tran, L.P. (2012). Zooming on polyamine – brassinosteroids impacts in Cr (VI) stress alleviation. Focus on phytohormonal and physiological strategies in <i>Raphanus sativus</i> L. PLoS ONE. vol. 7, pp. 1-11	4.015
6.	Arora, P., Bhardwaj, R., Kanwar, M.K. (2012). Effect of 24-epibrassinolide on growth, protein content and antioxidative defense system of <i>Brassica juncea</i> L. subjected to cobalt metal toxicity. Acta Physiologiae Plantarum (Springer) vol. 34, pp. 2007–2017	1.584

7.	Choudhary, S.P., Bhardwaj, R., Gupta, B.D., Dutt, P., Gupta R.K., Kanwar, M.K. and Dutt, P. (2011). Enhancing effects of 24-epibrassinolide and Putrescine on the antioxidant capacity and free radical scavenging activity of radish seedlings under Cu stress. Acta Physiologia Plantarum. (Springer) vol. 33, pp. 1319-1333	1.584
8.	Pal. S., Kanwar, M. , Bhardwaj, R. Gupta, B., Dutt, P (2011). Epibrassinolide ameliorates Cr (VI) stress via influencing the levels of indole-3-acetic acid, abscisic acid, polyamines and antioxidant system of radish seedlings. Chemosphere (Elsevier) vol 84(5), pp. 592-600.	3.499
9.	Pal. S., Bhardwaj, R. Gupta, B. D., Dutt, P., Gupta, R.K., Biondi, S. and Kanwar, M. (2010). Epibrassinolide induces changes in indole-3-acetic acid, abscisic acid and polyamine concentrations and enhances antioxidant potential of radish seedlings under copper stress. Physiologia Plantarum (Wiley) vol.140, pp. 280-296	3.262
10.	Arora, P., Bhardwaj, R and Kanwar, M.K. (2010). 24-epiBL-regulated antioxidative defence system of <i>Brassica juncea</i> L. under Zn metal stress. Physiology and Molecular Biology of Plants. 16(3): 285-293.	Scopus Index
11.	Kanwar, M. K and Arora, S. (2010). Mutagenic assessment of effluents from the textile industries of Amritsar. Journal of Chinese Clinical Medicine. vol 5 pp, 645-653.	Peer Reviewed

BOOK CHAPTER (INTERNATIONAL AND NATIONAL)

S.No	Book Chapters	Book Name	Publishing House
1.	Bhardwaj, R., Sharma I., Kanwar M. , Handa N., Sharma, R., Kapoor D., Kaur, H and Poonam. (2012). LEA proteins and their role in salt stress tolerance. pp, 79-112.	Salt Stress in Plants: Omics, Signaling and Responses. (Ed. Parvaiz Ahmed, M.M Azooz and M.N.V Prasad)	Springer, The Netherlands.

2.	Bhardwaj, R., Sharma I., Kanwar M. , Handa N., Sharma, R., Kapoor D., Kaur, H and Poonam. (2012). Aquaporins: Role under Salt Stress in Plants. Pp, 213-248.	Ecophysiology and Responses of Plants under Salt Stress. (Eds. Parvaiz Ahmed, M.M Azooz and M.N.V Prasad)	Springer, The Netherlands. (In Press).
3.	Arora, P., Bhardwaj, R., and Kanwar, M.K. (2012). Mitigation of Ni metal toxicity by 24-epiBL in Brassica juncea L. pp, 269-282	Biodiversity Evaluation: Botanical Perspective	Bishan Sing and Mahendra Pal Singh Publications, Dehra Dun, India.
4.	Bhardwaj, R., Sharma I., Choudhary, S.P., Uppal, P., Kanwar, M.K. , Handa N., Singh G., Gautam V and Kapoor, D. (2011). Cross talk of Brassinosteroids with other PGR's in plants. pp. 189-212	Biotechnology: A new Approach	Agrobios, Jodhpur, India.
5.	Bhardwaj, R., Sharma I., Kanwar, M.K. , Handa N., and Kapoor, D. (2010). Current scenario of applications of Brassinosteroids and Human welfare. pp, 3-15	Practical Applications of Brassinosteroids	Bentham science Publishers, United Arab Emirates.
6.	Bhardwaj, R., Sharma I., Arora N., Uppal, P., Kanwar, M.K. (2010). Prospects of brassinosteroids in medicinal applications. pp, 452-473	Brassinosteroids: A class of Plant Hormone.	Springer, Netherland.
7.	Bhardwaj, R., Sharma, I., Arora, N., Upal, P., Kanwar, M,K., Sharma, N and Hundal, G.S. (2009). Regulation of oxidative stress by BRs in Plants.	Oxidative stress: Role of antioxidants in plants.	Studium Press Pvt. Ltd. New Delhi.

	pp, 215-231.		
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11. LIST OF CONFERENCES/ SEMINAR/ WORKSHOPS ATTENDED

1. UGC sponsored National Seminar on “Natural Resource Management & Conservation”, organized by BBK DAV College for Women, Amritsar. March 2-3, 2009.
2. Project proposal entitled “Expression of Brassinosteroids under heavy metals stress in *Brassica juncea* L. during development” In: ANVESHAN – 2009, 2nd Student Research Convention (North Zone). 2-4 February, 2009.
3. Participated in 3-day workshop cum training program on “ North Zone Resource Persons’ training Program on Total Solar Eclipse-2009” organized by Department of Botanical and Environmental Sciences, GNDU, Amritsar and supported by Rashtriya Vigyan Evam Prodyogiki Sanchar Parishad & Vigyan Prasar and Department of Science and Technology, New Delhi. June 29- July 1, 2009.
4. Participated in 2-days workshop cum training program on “Municipal Solid and Plastic Waste” organized by HRD Foundation, New Delhi and Department of Botanical and Environmental Sciences, GNDU, Amritsar. April 16-17, 2009.
5. National Seminar on “Trends in Modern Biosciences” and integrated workshop on “Techniques in Tissue Culture” organized by Department of Botany, Biotechnology and Bioinformatics, HRMMV, Jalandhar sponsored by UGC. September 29-30, 2008.
6. National Seminar on “Scaling new zeniths in Biosciences” held at Hans Raj Mahila Maha Vidyalaya, Jalandhar. 26 November, 2009.
7. National Seminar on “Environment and Sustainable Development”, organized by Department of Botanical and Environmental Sciences, GNDU, Amritsar on November 3-4, 2009.
8. Golden Jubilee Conference on “Challenges and Emerging Strategies for Improving Plant Productivity” organized by Indian Society for Plant Physiology, Indian Agricultural Research Institute (IARI), New Delhi. 12-14 November, 2008

9. National Seminar on “Depleted Uranium: Environmental Hazards” organized by Department of Botanical and Environmental Studies, Human Genetics and Physics, GNDU, Amritsar. April 5, 2008.
10. National seminar on “Applications of Radioisotopes and Radiation Technology” organized by Department of Physics, GNDU, Amritsar. February, 7-8, 2008.
11. Workshop on “Wetland Conservation – Hussainiwala” organized by Department of Botanical and Environmental Studies, Guru Nanak Dev University, Amritsar; sponsored by PSCST, Punjab. April 11, 2008.

I hereby declare that the information given above are true and to the best of my knowledge.

Dr. Mukesh Kumar Kanwar