

Dr.Geeta Dhania
Assistant Professor

Department: Environmental Sciences, Maharshi Dayanand University, Rohtak

E-mail: geetadhania@rediffmail.com

geeta.env.sc@mdurohtak.ac.in

Phone number: 91-9017567774

Book Chapter

1. Singh RP, **Dhania G**, Sharma A and Jaiwal PK (2006). Biotechnological Approaches to improve phytoremediation efficiency for environment contamination (Eds: Shree N. Singh and Rudra D. Tripathi). Environmental Bioremediation Technologies, Springer.pp. 223-258.
2. Saini S and **Dhania G** (2016). Biodegradation and Bioremediation of pesticides from contaminated sites. (Eds: Ram Naresh Bharargava and Gaurav Saxena).Bioremediation of Industrial pollutants, ISBN: 978-93-84649-60-9
3. **Dhania G** (2018). Climate Change and Agriculture.(Eds. Santosh Nandal) Climate Change and Environmental Degradation, Issue, Challenges and Policy Implications.pp.109- 114.BOOKS AECADE.(ISBN:13:978-93-86932-03-7.
4. Himanshi and **Dhania G**(2019). Wastewater treatment using *Moringa oleifera* as a Natural coagulant (Eds: R. K. Behl, Machiavelli Singh, Achim Ibenthal, and Wolfgang Merbach). Emerging Technologies Toward Agriculture, Food and Environment, Agrobios(IZnternational).pp. 279-288.(ISBN:978-93-81191-22-4).
5. Nandal M and **Dhania G**(2019).Enrichment of organic waste compost with microbial inoculants(Eds: R. K. Behl, Machiavelli Singh, Achim Ibenthal, and Wolfgang Merbach). Emerging Technologies Toward Agriculture, Food and Environment, Agrobios(International).pp. 299-306.(ISBN:978-93-81191-22-4).
6. Saini S and **Dhania G** (2020). Cadmium as an Environmental Pollutant: Ecotoxicological Effects, Health Hazards, and Bioremediation Approaches for Its Detoxification from Contaminated Sites (Eds. Saxena, Gaurav, Bhargava, Ram Naresh). Bioremediation of Industrial Waste for Environmental Safety volume -II. (Volume II: Biological Agents and Methods for Industrial Waste Management).Springer Singapore. (978-981-13-3425-2).DOI: 10.1007/978-981-13-3426-9_15 (eBook ISBN 978-981-13-3426-9). Pp. 357-387
8. Shikha and **Dhania G** (2020). Impact of climate change on food production in India. (Eds: Sanjay Kumar Singh and Uma Kant Singh). Current Global Environmental Scenario, Kanak Prakashan(978-93-89457-58-2) pp.121-133.
8. Saini S,Nandal M and **Bahammia GD** (2020). Effective and sustainable solid waste management in India: A challenge.(Eds: Pankaj Kumar Arora). Microbial Technology for Health and Environment,Springer Nature Singapore(ISBN 978-981-15-2678-7) pp.267-287.

8. Rao Alka and **Dhania G** (2021). Current status of E-waste in India: Issues and Impacts. (Eds: Navtika Singh Nautiyal and Shuchita Agarwal). Future of E-waste management: Challenges and Opportunities, Thomson Reuters South Asia Private Limited, Gurgaon. (ISBN-10: 9390529859 and ISBN-13: 978-9390529858). Pp. 146-158.
9. Kumari Shikha and **Dhania Geeta** (2021). Environmental health and COVID-19. (Eds: Anbu Arumugam and Rajesh Mourya). COVID-19 Pandemic current status, Kripa Drishti Publication, Pune. (ISBN-978-93-90847-06-8), 4:13-21.
10. Kumari Shikha, Kataria Poonam, and **Dhania Geeta** (2022). Wastewater treatment using biochar technology. (Eds: Riti Thapar Kapoor and Maulin P. Shah). Biochar : applications for bioremediation of contaminated systems, Walter de Gruyter GmbH, Berlin/Boston, CPI books GmbH, Leck (ISBN 978-3-11-073858-2; e-ISBN(PDF) 978-3-11-073400-3; e-ISBN(EPUB) 978-3-11-073406-5). Pp. 55-66. (https://books.google.co.in/books?hl=en&lr=&id=FWlhEAAAQBAJ&oi=fnd&pg=PA55&ots=R6DP4mGcnU&sig=DZrHUaRZE90SYAfWJPy_tQfsF-4&redir_esc=y#v=onepage&q&f=false). Scopus index
11. Saini Sushila and **Dhania Geeta** (2022). Ecological and health implications of heavy metal contamination in the environment and the bioremediation approaches. (Eds. Ram Naresh Bhargava, Sandhya Mishra, Ganesh Dattatraya Saratale, Rijuta Ganesh Saratale, Luiz Fernando Romanholo Ferreira). Bioremediation: Green Approaches for a Clean and Sustainable Environment, CRC Press, ISBN:1000574849; 9781000574845. page 189-206.
12. **Dhania Geeta** (2022). Fly ash as an alternative to enhance the soil condition and plant growth. (Eds. Santosh P Mane, Dr. Praveen G. Saptarshi, Dr. S. D. Shinde, Dr. B. M. Bhanje, Dr. F. M. Nadaf, Dr. H. B. Tipe, Dr. Sandeep Rout, Muhammad Yasir, Dr. Babalola Ayodele Samuel, Dr. Kavitha G. N). "Sustainable Development for Society, Industrial Development, Material, Energy, and Environment: Key Issues, Opportunities, and Challenges", Jyotikiran Publications, Pune International Publication, ISBN: 978-81-953847-8-5, Volume -II, Page 21-23
13. Kumari S, Saini S, **Dhania Geeta** (2022). Biotechnological Approaches for Mitigation and Adaptation of Climate Change. (Eds. Anukool Vaishnav, S.S. Arya, D K Choudhary). "Plant Stress Mitigators Action and Application", Springer Singapore, ISBN: 978-981-16-7758-8, eBook ISBN: 978-981-16-7759-5, pp 369-385 (doi:10.1007/978-981-16-77595_17). https://link.springer.com/chapter/10.1007/978-981-16-7759-5_17
14. Rao A, Laura JS and **Dhania G** (2023). Microalgae Biomass as a Sustainable Source for Biofuel. (Eds. Meenakshi Nandal, Pradeep khaliya and Geeta Dhania). Environmental sustainability: Emerging concern and management, Indu publication, ISBN: 978-93-91377-526.
15. Rao A, Laura JS and **Dhania G** (2023). Agricultural Biomass: An Approach to Address the Energy Crisis and Environmental Pollution. (Eds. Meenakshi Nandal, Pradeep khaliya and Geeta Dhania). Environmental sustainability: Emerging concern and management, Indu publication, ISBN: 978-93-91377-526.
16. Kumari S, Kaur M, **Dhania G** (2023). Production of Bioethanol from Lignocellulosic Agricultural Residue Production. (Eds. Meenakshi Nandal, Pradeep khaliya and Geeta Dhania). Environmental sustainability: Emerging concern and management, Indu publication, ISBN: 978-93-91377-526.

17. Kumari S, Rao A, Kaur M, **Dhania G**(2023).Biodegradation of Pesticides Using Fungi: A Novel Approach.(Eds. Meenakshi Nandal, Pradeep khaliya and Geeta Dhania).Environmental sustainability: Emerging concern and management,Indu publication,ISBN:978-93-91377-526.

18. . Kumari S, Kaur M, **Dhania G** (2023).Management of Plastic Waste: A Sustainable Approach.(Eds. Meenakshi Nandal, Pradeep khaliya and Geeta Dhania).Environmental sustainability: Emerging concern and management,Indu publication,ISBN:978-93-91377-526.

Research Paper in Journal

1. Khyalia P, Dangi J, Barapatre S, **Dhania G**, Laura JS,Nandal M. (2022).Comparative Analysis of Compost Quality Produced from Fungal Consortia and Rice Straw by Varying C/N Ratio and its Effect on Germination of *Vigna radiata*.Nature Environment and Pollution Technology,21(3): p-ISSN: 0972-6268 ;e-ISSN: 2395-3454;:<https://doi.org/10.46488/NEPT.2022.v21i03.000> (Scopus)
2. Rao A, Rajput K and **Dhania G** (2021). A Comparative Study On Production Of Bio-Ethanol From Aquatic Weed.International Journal of Advance and Applied Research (IJAAR),ISSN – 2347-7075.1(5):104-115. (double-blind peer-reviewed refereed journal)
3. Mittal A, Manpreet M, Sunil S, **Dhania G**. Antimicrobial and Antioxidant Activity of Five Medicinal Plants Against Different Microbes. Biosci Biotech Res Asia 2021;18(4). Available from: <https://bit.ly/3GEKTVw>; ISSN:0973-1245; web of science
4. Rani K and **Dhania G**(2021). Effect of fly ash and biofertilizers on mungbean growth(*Vigna radiata*) .Wesleyan Journal of Research.14(1).131-139.UGC care list
5. Rani K and **Dhania G** (2020). Exploring the ability of fly-ash to improve the soil quality of barren land in Rohtak, Haryana. Wesleyan Journal of Research .13(4).43-50.(ISSN:0975-1386).UGC care list
6. **Bahammia GD** and Mittal A (2019). Standardization of in vitro indirect shoot regeneration protocol for Indian mustard, *Brassica juncea* (L) using cytokinin Thidiazuron as an inducer.Journal of Emerging Technologies and Innovative Research .6(6):370-377(ISSN:2349-5162).
7. **Dhania G** and Singh RP (2016). Standardization of *in vitro* shoot regeneration protocol for Indian mustard, *Brassica juncea* (L) using cytokinin, BAP as inducer. Biological Insights.1:5-12.(ISSN:2456-7604).
8. Nandal M, Hooda R and **Dhania G** (2014). Tea waste as a sorbent for removal of heavy metals from wastewater. International Journal of Current Engineering and Technology.4 (1):243-247. (E-ISSN 2277-4106, P-ISSN 2347-5161). Impact factor: 2.52.
9. Rani K and **Dhania G** (2014). Bioremediation and Biodegradation of pesticide from contaminated soil and water-A Noval Approach. International Journal of Current Microbiology and Applied Sciences.3 (10): 23-33. (ISSN: 2319-7706).
10. **Dhania G** and Rani K (2014). Impact of urbanization on groundwater pollution-An Emerging Problem. Journal of International Academic Research for Multidiciplinary.2 (9): 123-133.(ISSN: 2320-5083) Impact Factor:1.625.

Paper in Proceeding

1. Kumar A and **Dhania G** (2013). “Biofertilizer in organic farming-A review “One-day National seminar on “Promising Trends in Science Galaxy PTSG-2013” organized by Deptt. Of

Zoology, M. D. University, Rohtak on 20th March 2013. page 116-129. (ISBN: 978-81-920945-3-3).

2. **Dhania G** (2014). New strategy: Removal of arsenic from contaminated soil and water. one day National Seminar on “Next-generation sciences: Vision 2020 and Beyond” organized by Deptt. Of Zoology, M. D. University, Rohtak on 8th March 2014. Page 136-143. ISBN: 978-81-920945-4-0.

3. **Dhania G** (2015). Nanobiotechnology: An emerging technique in the medical field” one-day National seminar on innovative research in life science. Organized by Deptt. Of Zoology, M. D. University, Rohtak on 21st February, 2015. Page 37-41. (ISBN: 978-81-920945-5-7).

4. Yadav N and **Dhania G** (2018). Study the combined effect of biofertilizer and fly ash on mungbean growth. Proceedings of the twentieth National symposium on Environment(NSE-20) on Challenges in Energy Resource Management and Climate Change” organized by Discipline of Earth Sciences, Indian Institute of Technology Gandhinagar, Gujarat on 13th-15th December, 2018. Page 299-300.

Development of E-content for ePG-Pathshala

Module on

1. Filter media selection
2. Adsorption and adsorption-based sampling
3. Adsorbents, PSA, adsorption cycle, rotary bed/fluidized bed
4. Flue Gas Analyzer Principle for Monitoring CO_x, NO_x, SO_x, hydrocarbons

Links: https://epgp.inflibnet.ac.in/view_s.php?category=279

Principal Investigator: Prof. R. K. Kohli

Paper coordinator: Prof. J. S. Laura

Content writer: **Dr. Geeta**

Date: 21-2-2018 at 12:36:22

Video duration: 15:27

Paper presentation in National and International Conferences/Workshop/Seminar: 36

Attended Conferences/Workshop/Seminar: 64

Dissertation to M.Sc. students: 35

Total number of Ph.D students: 7