

LIST OF PUBLICATIONS

Publication in peer reviewed journals:

Vishal Bhadauria, Dipteek Parmar, Rajiv Ganguly Abhinav Kumar Rathi, Prashant Kumar (2022) 'Exposure assessment of PM_{2.5} in temple premises and crematoriums in Kanpur, India.' *Environmental Science and Pollution Research*, 29(25), 38374-38384. (SCI Indexed, IF (2021/22) – 4.223) <https://doi.org/10.1007/s11356-022-18739-5>

Prachi Vasistha, Rajiv Ganguly (2022) 'Water quality assessment in two lakes of Panchkula, Haryana, using GIS: case study on seasonal and depth wise variations.' *Environmental Science and Pollution Research*, 29(28), 43212-43236. (SCI Indexed, IF (2021/22) – 4.223) <https://doi.org/10.1007/s11356-022-18635-y>

Disha Thakur, Rajiv Ganguly, Ashok Kumar Gupta (2022) 'Effect of degradation of Municipal Solid Waste on the Shear Strength behaviour from a dump site in Una Town, Himachal Pradesh.' *Journal of Solid Waste Technology and Management*, 48(1), 147-160. (Scopus Indexed). <https://doi.org/10.5276/JSWTM/2022.147>

Sahil Lakhanpal, Anirban Dhulia, Rajiv Ganguly (2021) 'Magnetite coated sand adsorbent for Cr(VI) removal from synthetic and pharmaceutical wastewater: adsorption isotherms and kinetics.' *Arabian Journal of Geosciences*, 14, Article ID 1180. (SCI Indexed, IF (2019/20) – 1.327) <https://doi.org/10.1007/s12517-021-07559-5>

Rajiv Ganguly, Divyansh Sharma, Prashant Kumar (2021) 'Short-term impacts of air pollutants in three megacities of India during COVID-19 lockdown.' *Environment, Development and Sustainability*, 23(12), 18204-18231 (SCI Indexed, IF (2019/20) – 2.191) <https://doi.org/10.1007/s10668-021-01434-9>

Prachi Vasistha, Rajiv Ganguly (2021) 'Spectral characterization of sediment of two lake water bodies and its surrounding soil in Haryana, India.' *Arabian Journal of Geosciences*, 14, Article ID 48. (SCI Indexed, IF (2019/20) – 1.327) <https://doi.org/10.1007/s12517-020-06425-0>

Rajiv Ganguly, Divyansh Sharma, Prashant Kumar, B.R. Gurjar (2021) 'Dispersion Modeling of Air Pollutants in a Hilly City in India.' *Journal of Hazardous, Toxic and Radioactive Waste*, 25(2), Article ID: 04020073 (ASCE Publications, Scopus Indexed). [https://doi.org/10.1061/\(ASCE\)HZ.2153-5515.0000574](https://doi.org/10.1061/(ASCE)HZ.2153-5515.0000574)

Disha Thakur, Rajiv Ganguly, Ashok Kumar Gupta (2020) 'Characterization and Waste to Energy Techniques for improving Municipal Solid Waste in Una Town, Himachal Pradesh, India – A Case Study. *Journal of Solid Waste Technology and Management*, 46(4), 547-562. (Scopus Indexed). <https://doi.org/10.5276/JSWTM/2020.547>

Rishi Rana, Rajiv Ganguly (2020) 'Water Quality Indices: challenges and applications – an overview.' *Arabian Journal of Geosciences*, 13, Article ID 1190. (SCI Indexed, IF (2019/20) – 1.327) <https://doi.org/10.1007/s12517-020-06135-7>

Prachi Vasistha, Rajiv Ganguly (2020) 'Assessment of spatio-temporal variations in lake water body using indexing method.' *Environmental Science and Pollution Research*, 27(33), 41856-41875. (SCI Indexed, IF (2019/20) – 3.056)
<https://doi.org/10.1007/s11356-020-10109-3>

Disha Thakur, Ashok Kumar Gupta, Rajiv Ganguly (2020) 'Laboratory Analysis and Prediction of Settlement of Municipal Solid Waste under Anaerobic Condition.' *Journal of Institution of Engineers (Series A)*, 101(3), 455-462 (Scopus Indexed)
<https://doi.org/10.1007/s40030-020-00456-2>

Anchal Sharma, Rajiv Ganguly, Ashok Kumar Gupta (2020) 'Impact Assessment of Leachate Pollution Potential on Groundwater: An Indexing Method.' *Journal of Environmental Engineering*, 146(3), Article ID: 05019007 (ASCE Publications, SCI Indexed, IF (2019/20) – 1.657).
<https://ascelibrary.org/doi/full/10.1061/%28ASCE%29EE.1943-7870.0001647>

Rajiv Ganguly, Himanshu Dewan (2020) 'Application of Decision Making Tool to Determine Effluent Quality Index of Existing Sewage Treatment Plants.' *Journal of Institution of Engineers (Series A)*, 101(1), 207-219 (Scopus Indexed)
<https://link.springer.com/article/10.1007/s40030-019-00416-5>

Rajiv Ganguly, Divyansh Sharma, Prashant Kumar (2019) 'Trend analysis of observational PM₁₀ concentrations in Shimla city, India.' *Sustainable Cities and Society*, 51(C), Article ID: 101719. (SCI Indexed, IF (2018/19) – 4.624)
<https://www.sciencedirect.com/science/article/pii/S2210670719306985?via%3Dihub>

Disha Thakur, Ashok Kumar Gupta, Rajiv Ganguly (2019) 'Effect of Municipal Solid Waste disposal on the Engineering Properties of soil from a Non-Engineered Landfill.' *International Journal of Innovative Technology and Exploring Engineering*, 8(12), 2378-2388 (Scopus Indexed).
<https://www.ijtee.org/wp-content/uploads/papers/v8i12/L29841081219.pdf>

Disha Thakur, Ashok Kumar Gupta, Rajiv Ganguly (2019) 'Geotechnical Properties of Fresh and Degraded MSW in the Foothills of Shivalik Range Una, Himachal Pradesh.' *International Journal of Recent Technology and Engineering*, 8(2), 363-374. (Scopus Indexed).
<https://www.ijrte.org/wp-content/uploads/papers/v8i2/B1479078219.pdf>

Anchal Sharma, Rajiv Ganguly, Ashok Kumar Gupta (2019) 'Characterization and Energy Generation Potential of Municipal Solid Waste from nonengineered Landfill Sites in Himachal Pradesh, India.' *Journal of Hazardous, Toxic and Radioactive Waste*, 23(4), Article ID: 04019008 (ASCE Publications, Scopus Indexed).
<https://ascelibrary.org/doi/10.1061/%28ASCE%29HZ.2153-5515.0000442>

Rishi Rana, Rajiv Ganguly, Ashok Kumar Gupta (2019) 'Life-cycle assessment of municipal solid-waste management strategies in Tricity region of India.' *Journal of Material Cycles and Waste Management*, 21(3), 606-623. (SCI Indexed, IF (2017/18) – 1.693).
<https://link.springer.com/article/10.1007/s10163-018-00822-0>

Anchal Sharma, Rajiv Ganguly, Ashok Kumar Gupta (2019) ‘Spectral characterization and quality assessment of organic compost for agricultural purposes.’ *International Journal of Recycling of Organic Waste in Agriculture*, 8(2), 197-213. (**Springer Publications, Scopus Indexed**).
<https://link.springer.com/article/10.1007/s40093-018-0233-7>

Rajiv Ganguly, Prashant Kumar (2018) ‘The Air Quality Assessment of a Northern Hilly City in India.’ *Indian Journal of Environmental Protection*, 38(12), 983-997. (**Scopus Indexed**)

Prannoy Thakur, Rajiv Ganguly, Anirban Dhulia (2018) ‘Occupational Health Hazard Exposure among municipal solid waste workers in Himachal Pradesh, India.’ *Waste Management*, 78, 483-489. (**SCI Indexed, IF (2016/17) – 4.03**).
<https://www.sciencedirect.com/science/article/pii/S0956053X1830374X>

Anchal Sharma, Ashok Kumar Gupta, Rajiv Ganguly (2018) ‘Impact of open dumping of municipal solid waste on soil properties in mountainous region.’ *Journal of Rock Mechanics and Geotechnical Engineering*, 10, 725-739. (**SCI Indexed, IF (2019/20) – 2.829**)
<https://www.sciencedirect.com/science/article/pii/S1674775517303232>

Rajiv Ganguly, Anirban Dhulia, Shivam Agarwal, Aditya Upadhyaya (2018) ‘Parametric Analysis of wastewater characteristics from treatment plants in Shimla city in Himachal Pradesh.’ *Indian Journal of Environmental Protection*, 38(5), 379-388. (**Scopus Indexed**).

Deepika Sharma, Rajiv Ganguly, (2018) ‘Evaluation of Existing Solid Waste Management Practises for Solan city - India.’ *Journal of Solid Waste Technology and Management*, 44(1), 32-42. (**Scopus Indexed**).

Anchal Sharma, Rajiv Ganguly, Ashok Kumar Gupta (2018) ‘Matrix method for evaluation of existing solid waste management system in Himachal Pradesh, India.’ *Journal of Material Cycles and Waste Management*, 20(3), 1813-1831. (**SCI Indexed, IF (2016/17) – 1.604**). <https://link.springer.com/article/10.1007/s10163-018-0703-z>

Rishi Rana, Rajiv Ganguly, Ashok Kumar Gupta (2018) ‘Indexing method for assessment of pollution potential of leachate from non-engineered landfill sites and its effect on ground water quality.’ *Environmental Monitoring and Assessment*, 190(1), Article ID 46 (**SCI Indexed, IF (2016/17) – 1.687**).
<https://link.springer.com/article/10.1007/s10661-017-6417-1>

Rishi Rana, Rajiv Ganguly, Ashok Kumar Gupta (2018) ‘Physico-chemical characterization of municipal solid waste from Tricity region of Northern India: a case study.’ *Journal of Material Cycles and Waste Management*, 20(1), 678-689. (**SCI Indexed, IF (2016/17) – 1.604**).
<https://link.springer.com/article/10.1007/s10163-017-0615-3>

Rajiv Ganguly, Ankush Thakur, Abhinav Chauhan (2017) ‘Parametric Analysis of Industrial Wastewater – Case Studies in Himachal Pradesh.’ *Indian Journal of Environmental Protection*, 37(10), 796-804. (**Scopus Indexed**).
<http://www.ijep.co.in/uploads/journals/150687051140.pdf>

Rishi Rana, Rajiv Ganguly, Ashok Kumar Gupta (2017) 'Evaluation of Solid Waste Management in Satellite Towns of Mohali and Panchkula.' *Journal of Solid Waste Technology and Management*, 43(4), 280-294. (**Scopus Indexed**).
<https://doi.org/10.5276/JSWTM.2017.280>

Rajiv Ganguly, Satyarth (2016) 'Interrelationships amongst pollutants and their predictions in Shimla city: India. *Journal of Industrial Pollution Control*, 32(2), 472-485. (**Scopus Indexed**)
<http://www.icontrolpollution.com/articles/interrelationships-amongst-pollutants-and-their-predictions-in-shimla-city-india-.pdf>

Rajiv Ganguly, Sabnam Thapa (2016) 'An assessment of ambient air quality of Shimla City'. *Current Science*, 111(3), 509-516. (**SCI Indexed, IF (2015/16) – 0.967**)
<http://www.currentscience.ac.in/Volumes/111/03/0509.pdf>

Rajiv Ganguly (2016) 'E-Waste Management in India – An Overview.' *International Journal of Earth Sciences and Engineering*, 9(2), 574-588. (**Scopus Indexed**).

Ankit Singh Mehra, Rajiv Ganguly, Ashok Kumar Gupta, Lav Singh, Abhilash Shukla (2016) 'Performance and Durability Evaluation of Bamboo Reinforced Cement Concrete Beams.' *International Journal of Engineering and Technology*, 8(2), 1138-1161. (**Scopus Indexed**).
<http://www.enggjournals.com/ijet/docs/IJET16-08-02-121.pdf>

Nichol Baldwin, Owais Gilani, Suresh Raja, Stuart Batterman, Rajiv Ganguly, Phil Hopke, Sarah Hoogterp (2015) 'Factors Affecting Concentrations in Near-Road Environment.' *Atmospheric Environment*, 115, 223-235. (**SCI Indexed, IF(2014/15) – 3.281**)
<http://www.sciencedirect.com/science/article/pii/S1352231015300972>

Stuart Batterman, Rajiv Ganguly, Paul Harbin (2015) 'High Resolution Spatial and Temporal Mapping of Traffic-Related Air Pollutants. *International Journal of Environmental Research and Public Health*, 12(4), 3646-3666. (**SCI Indexed, IF(2014/15) – 2.063**)
<http://www.mdpi.com/1660-4601/12/4/3646/pdf>

Rishi Rana, Rajiv Ganguly, Ashok Kumar Gupta (2015) 'An Assessment of Solid Waste Management System in Chandigarh City.' *Electronic Journal of Geotechnical Engineering*, 20(6), 1547-1572. (**Scopus Indexed**).
<http://www.ejge.com/2015/Ppr2015.0229me.pdf>

Ashok Kumar Gupta, Rajiv Ganguly, Ankit Singh Mehra (2015) 'Bamboo as Green Alternative to Steel for Reinforced Concrete Elements of a Low-Cost Residential Buildings.' *Electronic Journal of Geotechnical Engineering*, 20(6), 1523-1545. (**Scopus Indexed**).
<http://www.ejge.com/2015/Ppr2015.0228ma.pdf>

Rajiv Ganguly, Stuart Batterman, Vlad Isakov, Michelle Snyder, Michael Breen, Janet Burke, Wilma Brakefield-Caldwell (2015) 'Effects of geocoding errors on traffic related air pollutant exposure and concentration estimates.' *Journal of Exposure Science and Environmental Epidemiology*, 25(5), 490-498 (Published by Nature Group of Journals). (**SCI Indexed, IF(2013/14)- 3.185**)
<http://www.nature.com/jes/journal/vaop/ncurrent/pdf/jes20151a.pdf>

Stuart Batterman, Rajiv Ganguly, Vlad Isakov, Janet Burke, Saravanan Arunachalam, Michelle Snyder, Thomas Robbins, Toby Lewis (2014) 'Dispersion Modeling of Traffic-Related Air Pollutant Exposures and Health Effects Among Children with Asthma in Detroit, Michigan.' *Transportation Research Record: Journal of Transportation Research Board*, No. 2452, 105- 113. (SCI Indexed, IF (2013/14) –0.442)
<http://trb.metapress.com/content/u2k575q25n334840/>

Rajiv Ganguly, Ashok Kumar Gupta, Mudit Mishra (2014) 'Traffic Volume and Accident Studies on NH-22 between Solan and Shimla, India.' *European Scientific Journal, Special Edition Volume 2*, Pg 248-254. <http://eujournal.org/index.php/esj/article/view/4149/3985>

Rajiv Ganguly, Abhinav Bansal, Mudit Mishra, Ashish Kumar (2014) 'Application of Rainwater Harvesting Scheme in Shimla Region'. *Hydrology Current Research*, 5(3), 180. <http://dx.doi.org/10.4172/2157-7587.1000180>

Rajiv Ganguly and Brian M. Broderick (2013) 'Performance Evaluation of a General Finite Line Source Model for NO_x concentrations obtained from a Motorway in Ireland.' *International Journal of Environmental Engineering*, 5(4), 405-422. <http://inderscience.metapress.com/content/f59871571k342497/>

Rajiv Ganguly and Brian M. Broderick (2013) 'Estimation of NO_x concentrations for an urban street canyon in Ireland.' *International Journal of Environmental Engineering*, 5(1), 70-92. <http://inderscience.metapress.com/content/r02407k56171200p/fulltext.pdf>

Rajiv Ganguly and Brian M. Broderick (2011) 'Application of Urban Street Canyon models for prediction vehicular pollution in an urban area in Dublin' *International Journal of Environment and Pollution*, 44 (1/2/3/4), 71-77. (SCI Indexed, IF (2011) – 0.626)
<http://inderscience.metapress.com/content/t0g2310l4w058180/>

Rajiv Ganguly and Brian M. Broderick (2010) 'Development of a hybrid model for better predicting capabilities under parallel wind conditions for NO_x concentrations from highways in Ireland'. *Transportation Research Part D*, 15(8), 513-521. (SCI Indexed, IF (2010) – 1.659)
<http://www.sciencedirect.com/science/article/pii/S1361920910000866>

Rajiv Ganguly and Brian M. Broderick (2010) 'Estimation of CO concentrations for an urban street canyon in Ireland'. *Air Quality Atmosphere and Health*, 3(4), 195- 202. (SCI Indexed, IF(2012) – 1.979)
<http://link.springer.com/article/10.1007%2Fs11869-010-0068-5>

Rajiv Ganguly and Brian M. Broderick (2009) 'Development of empirical models for predicting roadside nitrogen dioxide concentrations and their applications and evaluations against datasets measured in Dublin, Ireland.' *Transportation Research Part D*, 14(4), 231-239. (SCI Indexed, IF(2009) – 1.659)
<http://www.sciencedirect.com/science/article/pii/S1361920908001661>

Rajiv Ganguly, Roland O'Donoghue and Brian Broderick (2009) 'Assessment of a General Finite Line Source Model and CALINE4 for Vehicular Pollution Prediction in Ireland.' *Environmental Modelling and Assessment*, 14(1), 113-125.

(*SCI Indexed, IF(2009) – 1.056*)

<http://link.springer.com/article/10.1007/s10666-008-9152-8>

Rajiv Ganguly and Brian M. Broderick (2008) 'Performance Evaluation and Sensitivity Analysis of General Finite Line Source Model for CO concentrations for Motorways in Ireland. A Note'. *Transportation Research Part D*, 13(3), 198-205.

(*SCI Indexed, IF (2008) – 1.259*)

<http://www.sciencedirect.com/science/article/pii/S1361920908000072>

Rajiv Ganguly and Alak De (2005) 'Analysis and Detection of Viruses in Water- A Review.' *Journal of IPHE*, 4, 30-36.

Publication in Conference Proceedings.

Prachi Vasistha, Rajiv Ganguly (2021) 'Effective Remediation Techniques for Twin Shallow Lakes in Panchkula, Haryana' in *International Conference on Construction Materials and Environment, 2021 (ICCME 2021) held during June 03-04, 2021 at JUIT Waknaghat, HP, India.*

Prachi Vasistha, Rajiv Ganguly (2020) 'Water Quality Assessment of Natural Lakes and its importance: An Overview' in 3rd *International Conference on Innovative Technologies for Clean and Sustainable Development (ITCSD 2019) held during February 19-21, 2020 at NITTTR Chandigarh, Chandigarh, India.*

Materials Today: Proceedings, 32, 544-552(*Scopus Indexed*).

Available online at <https://doi.org/10.1016/j.matpr.2020.02.092>

Sharma, Rajiv Ganguly, Ashok Kumar Gupta (2020) 'Design of Landfill Systems in Hilly Regions of Himachal Pradesh' in 3rd *International Conference on Waste Management (RECYCLE 2020) held during February 13-14, 2020 at IIT Guwahati, Guwahati, Assam, India.*

Prachi Vasistha, Rajiv Ganguly (2019) 'Water Quality and Designated Best Use (DBU) Determination of BhimTaal Lake of Panchkula, Haryana' in 1st *International Conference on Water Security and Sustainability (ICWSS 2019) held during December 13-14, 2019 at Sikkim Manipal Institute of Technology, Sikkim, India. Published in* Bhuiyan C., Flügel WA., Jain S.K. (eds) **Water Security and Sustainability. Lecture Notes in Civil Engineering**, vol 115. Springer, Singapore. https://doi.org/10.1007/978-981-15-9805-0_5 (*Scopus Indexed*).

Rishi Rana, Rajiv Ganguly, Ashok Kumar Gupta (2019) 'Evaluation of Heavy Metal Pollution Index (HPI) for Ground Water in Tricity' in 9th *International Conference on Sustainable Waste Management towards Circular Economy (9th IconSWM-CE 2019) held during November 27-30, 2019 at Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, Odisha, India.*

Disha Thakur, Rajiv Ganguly, Ashok Kumar Gupta(2019) ‘Settlement Analysis of Municipal Solid Waste in Non-Engineered Landfill in Himachal Pradesh’ in *9th International Conference on Sustainable Waste Management towards Circular Economy (9th IconSWM-CE 2019) held during November 27-30, 2019 at Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, Odisha, India.*

Rajiv Ganguly, Guru Sharan Dass Sharma, Rishi Rana (2019) ‘Mapping of MODIS satellite data with ground level particulate matter concentration – a case study for Shimla’ in *Fifth International Conference on Image Information processing (ICIIP2019) held during November 15-17, 2019 at Jaypee University of Information Technology, Wanknaghat, Himachal Pradesh, India.* pp. 497-502. (**Scopus Indexed**)
doi: 10.1109/ICIIP47207.2019.8985875

<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8985875&isnumber=8985664>

Divyansh Sharma, Rajiv Ganguly(2019). ‘Assessment of Ambient Air Quality during Diwali Festival in Shimla City, India’ in *11th International Exergy, Energy and Environment Symposium (IEES 11-2019) held during July 14-18 2019 at SRM University, Chennai, India.*

Disha Thakur, Ashok Kumar Gupta, Rajiv Ganguly, (2018). ‘A Review of Solid Waste Management Techniques in Himachal Pradesh’ in *3rd Himachal Pradesh Science Congress (HPSC 2018) held during October 22-23 2018 at IIT Mandi, Mandi, Himachal Pradesh, India.*

Anchal Sharma, Rajiv Ganguly, Ashok Kumar Gupta(2018) ‘Comparative Analysis of Solid Waste Management Processes in Himachal Pradesh and Punjab’ in *International Conference on Sustainable Waste Management through Design (ICSWMD 2018) held during November 02-03, 2018 at Guru Nanak Dev Engineering College, Ludhiana, Punjab, India.*

Divyansh Sharma, Rajiv Ganguly(2018). ‘Evaluation of existing ambient air quality status in Shimla city’ in *3rd Himachal Pradesh Science Congress (HPSC 2018) held during October 22-23 2018 at IIT Mandi, Mandi, Himachal Pradesh, India.*

Prachi Vasistha, Rajiv Ganguly (2018). ‘Biomedical waste generation and management in hospitals – case study in Shimla’ in *3rd Himachal Pradesh Science Congress (HPSC 2018) held during October 22-23 2018 at IIT Mandi, Mandi, Himachal Pradesh, India.*

Anchal Sharma, Rajiv Ganguly, Ashok Kumar Gupta(2018). ‘Present scenario and challenges of municipal solid waste management practices in Shimla, Himachal Pradesh’ in *3rd Himachal Pradesh Science Congress (HPSC 2018) held during October 22-23 2018 at IIT Mandi, Mandi, Himachal Pradesh, India.*

Veeresh Gali, Manisha Thakur, Ashok Kumar Gupta, Rajiv Ganguly (2018) ‘Role of UASBs in River Water Quality Conservation in India’ in *E3S Web of Conferences, 34, 02046. (Scopus Indexed), Available online at*
<https://doi.org/10.1051/e3sconf/20183402046>

Disha Thakur, Rajiv Ganguly, Ashok Kumar Gupta, Veeresh Gali (2017). 'Evaluation of Existing Solid Waste Management System in Una Town, India' in 7th *International Conference on Solid Waste Management (IconSWM 2017) held during December 15-17 2017 at PJTS Agricultural University, Rajendranagar, Hyderabad, Telangana, India*

Anchal Sharma, Rajiv Ganguly, Ashok Kumar Gupta (2017). 'Matrix Method for Evaluation of Existing Solid Waste Management Processes in Jalandhar city, Punjab, India' in 7th *International Conference on Solid Waste Management (IconSWM 2017) held during December 15-17 2017 at PJTS Agricultural University, Rajendranagar, Hyderabad, Telangana, India*

Veeresh Gali, Manisha Thakur, Ashok Kumar Gupta, Rajiv Ganguly (2017) 'Role of UASBs in River Water Quality Conservation in India' in *International Conference on Civil & Environmental Engineering (CEENVIRON-2017) held during November 28-29, 2017 at Universiti Malaysia Perlis (UmiMAP), Malaysia. Book of Abstracts, pg65*

Rajiv Ganguly, Deepika Sharma, Anchal Sharma, Ashok Kumar Gupta (2017) 'Evaluation of Contamination of Groundwater and Soil Characteristics of Non-Engineered landfill site' in *International Conference on Sustainable Environment and Energy (ICSEE-2017) held during April 6-7, 2017 at Hindustan University, Chennai, India. Book of Abstracts, pg65.*

Anchal Sharma, Rajiv Ganguly, Ashok Kumar Gupta(2017) 'Characterization of Municipal Solid Waste in Sundernagar, Himachal Pradesh, India' in 2nd *International Conference on Recent Advances in Chemical, Environmental and Energy Engineering (RACEEE-2017) held during February23-24, 2017 at SSN College of Engineering, Chennai, India. Research Journal of Pharmaceutical, Biological and Chemical Sciences, 8(3S), 276-282.* [http://www.rjpbcs.com/pdf/2017_8\(3S\)/\[31\].pdf](http://www.rjpbcs.com/pdf/2017_8(3S)/[31].pdf)

Rajiv Ganguly, Prachi Vasistha, Ashok Kumar Gupta(2017) 'Design of an incinerator to treat combined biomedical wastes generated from four major hospitals in Chandigarh and Shimla city, India' in 2nd *International Conference on Recent Advances in Chemical, Environmental and Energy Engineering (RACEEE-2017) held during February23-24, 2017 at SSN College of Engineering, Chennai, India. Research Journal of Pharmaceutical, Biological and Chemical Sciences, 8(3S), 201-212.* [http://www.rjpbcs.com/pdf/2017_8\(3S\)/\[25\].pdf](http://www.rjpbcs.com/pdf/2017_8(3S)/[25].pdf)

Rishi Rana, Rajiv Ganguly, Ashok Kumar Gupta(2016) 'Impact of Leachate from Non-Engineered Landfill Sites on Groundwater Quality – A Case Study in Northern India' in *International Conference on Trends and Recent Advances in Civil Engineering (TRACE-2016) held during August 11-12, 2016 at Amity University, Noida, India. Pg 183-191.*

Deepika Sharma, Rajiv Ganguly (2016) 'Leachate Characterization from MSW Landfill Site in Solan' in *National Conference on Recent Advances in Civil Engineering (RACE-2016) held during March 19-20, 2016 at Jaypee University, Anoopshahr., India. Pg 11-14.*

Deepika Sharma, Rajiv Ganguly (2016) 'Parametric Analysis of Leachate and Water Resources around Municipal Solid Waste Landfill area in Solan' in 4th *International*

Conference on Advancements in Engineering and Technology (ICAET-2016) held during March 18-19, 2016 at BGIET, Sangrur, India. Pg1378-1381. (Scopus Indexed)

Nitish Kumar Sharma, Ashish Kumar, Rajiv Ganguly(2016) 'Frequency Analysis of Rainfall Data of Dharamshala Region' in *4th International Conference on Advancements in Engineering and Technology (ICAET-2016) held during March 18-19, 2016 at BGIET, Sangrur, India. Pg 1429-1432.*

Prachi Vasistha, Rajiv Ganguly, Ashok Kumar Gupta (2016) 'Biomedical Waste Generation and management in Shimla city – Case Studies' in *International Conference on Water, Environment, Energy and Society (ICWEES-2016) held during March 15-18, 2016 at AISECT University, Bhopal, India. Book of Abstracts*

Prachi Vasistha, Rajiv Ganguly, Ashok Kumar Gupta (2015) 'Questionnaire method for assessing Biomedical Waste in Shimla City – Case Studies of Public and Private Hospitals' in *9th International Conference on Innovative Research in Civil Engineering, Architecture, and Environmental Engineering for Sustainable Development (CEAESD-2015) held during December 12-13, 2015 at Jawaharlal Nehru University (JNU), New Delhi., India. Pg11-14.*

Deepika Sharma, Rajiv Ganguly (2014) 'Management of Urban Solid Waste in Solan' in *National Conference on Recent Advances in Solid Waste Management held during December 22-23, 2014 at Chandigarh University, Chandigarh., India. Pg11-13.*

Rajiv Ganguly, Veeresh Gali, Aman Thakur, Shubham Chopra (2014) 'EIA of Hydropower Project in Himachal Pradesh: An Analysis' in *19th Conference on Hydraulics, Water Resources, Environmental and Coastal Engineering (HYDRO 2014) held during December 18-20, 2014 at Maulana Azad National Institute of Technology (MANIT), Bhopal., India. Pg 151-158.*

Rajiv Ganguly, Anil Dhiman, Ashok Kumar Gupta (2014) 'Construction and Design principles for Energy-efficient Buildings in Hilly Regions in Northern India' in *International Conference on Sustainable Civil Infrastructure (ICSCI 2014) held during October 17-18, 2014 at HITEX Exhibition Centre, Hitech City, Hyderabad., India. Pg 970-979.*

Rishi Rana, Rajiv Ganguly, Ashok Kumar Gupta(2014) 'Solid Waste Management in Chandigarh – A case study' in *5th International Conference on Architecture, Civil and Environmental Engineering (ACEE 2014) held during October 11-12, 2014 at Jawaharlal Nehru University (JNU), New Delhi., India.Pg67-70.*

Rajiv Ganguly, Abhinav Bansal, Mudit Mishra, Ashish Kumar (2014) 'Application of Rainwater Harvesting Scheme in Shimla' in *3rd International Conference on Hydrology and Meteorology held during September15-16, 2014 at Hyderabad., India. Book of Abstracts*

Rajiv Ganguly, Ashok Kumar Gupta, Mudit Mishra (2014) 'Traffic Volume and Accident Studies on NH-22 between Solan and Shimla, India' in *2nd Annual International Interdisciplinary Conference (AIIC 2014) held during July 8-12, 2014 at University of Azores, Azores., Portugal. Pg 233-238.*

Stuart Batterman, Rajiv Ganguly, Vlad Isakov, Janet Burke, Saravanan Arunachalam, Michelle Snyder, Thomas Robins, Toby Lewis (2013) ‘Dispersion Modeling of Traffic-Related Air Pollutant Exposures and Health Effects among Children with Asthma in Detroit, Michigan’ in *Transportation Research Board (TRB) 93rd Annual Meeting held during January 12-16, 2014 at Washington D.C., USA.*

Rajiv Ganguly, Stuart Batterman, Vlad Isakov, Michelle Snyder, Thomas Robins, Toby Lewis, Paul Harbin (2013) ‘A new approach for maintaining anonymity and enhancing robustness of model based personal exposure estimates’ in *Environment and Health, Conference of ISEE, ISES and ISIAQ held during August 19 – 23, 2013 at Basel, Switzerland.*

Rajiv Ganguly, Stuart Batterman, Michelle Snyder, Vlad Isakov, Wilma Brakefield-Caldwell (2013) ‘Geocoding and Exposure Errors for residences near Highways: Application of AERMOD in Detroit, Michigan’ in *A&WMA’s 106th Annual Conference & Exhibition towards Sustainability held during June 25 – 28, 2013 at Chicago, IL, USA. (Scopus Indexed)*

Stuart Batterman, Thomas Robbins, Toby Lewis, Rajiv Ganguly, Michael Breen, Janet Burke, Vlad Isakov, Michelle Snyder, Erminia Ramirez, Wilma Brakefield-Caldwell (2013) ‘Improving Exposures Estimates for Traffic-Related Air Pollutants.’ in *A&WMA’s 106th Annual Conference & Exhibition towards Sustainability held during June 25 – 28, 2013 at Chicago, IL, USA. (Scopus Indexed)*

Michelle Snyder, Sarav Arunachalam, Kevin Talgo, Alejandro Valencia, Brian Naess, Vlad Isakov, David Heist, Stuart Batterman, Rajiv Ganguly, Wilma Brakefield-Caldwell (2013) ‘Sensitivity analysis of dispersion model results in the NEXUS health study due to uncertainties in traffic-related emission inputs.’ in *A&WMA’s 106th Annual Conference & Exhibition towards Sustainability held during June 25 – 28, 2013 at Chicago, IL, USA. (Scopus Indexed)*

Rajiv Ganguly and Brian M Broderick (2007). ‘Evaluation, inter-comparison and sensitivity of two street canyon models in Dublin, Ireland’ presented at *11th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes held in July 2-5, at Queens College, University of Cambridge, Cambridge, UK. pp 48-52.*

Rajiv Ganguly, Brian M. Broderick (2007) ‘Application of a General Finite Line Source Model for predicting Benzene concentration on M50 motorway in Ireland’ Proceedings of *International Conference on Civil Engineering in the New Millennium: Opportunities and Challenges (CENeM-2007) held on 11-14 January at Department of Civil Engineering, Bengal Engineering and Science University, Kolkata, India.*

Rajiv Ganguly, Brian M. Broderick (2006) ‘Application of General Finite Line Source Model to Predict Carbon Monoxide concentration adjacent to a motorway in Ireland’ *Proceedings of 2nd International Congress on Computational Mechanics and Simulation held on 8-10 December at Indian Institute of Technology Guwahati, India. pp 1810-1816.*

Rajiv Ganguly, Una Budd, Brian M. Broderick, Bruce D. Misstear (2006) ‘Applicability of a screening model at motorway and roundabout sites in Ireland’, Proceedings of *9th World Congress on Environmental Health held on 18-23 June at Trinity College Dublin (TCD), Dublin, Ireland.*

Rajiv Ganguly, Brian M. Broderick (2006) ‘Application of a General Finite Line Source Model for Predicting Hydrocarbon concentration on M50 motorway in Ireland. Proceedings of *ACME/ISSEC meeting held on 19-20 April at Queens University, Belfast, UK. pp 111-114.*

Rajiv Ganguly, B. M. Broderick, R.T. O’Donoghue (2006) ‘Applicability of a General Finite Line Source Model for Vehicular Pollution Prediction in Ireland’, Proceedings of the *16th Irish Environmental Researchers Colloquium (ENVIRON2006) held in 27-29 January at University College Dublin (UCD), Dublin, Ireland. Pp 84-89*

Rajiv Ganguly Biswajit Thakur Anupam Deb Sarkar, Shibnath Chakrabarty (2002) ‘A General Overview on Alternative fuels with Special Emphasis on CNG.’ In *National Workshop cum Seminar on ‘Environmental Pollution and its Management’ held during December 10-12, at Jadavpur University, Kolkata-700032, West Bengal, India.*

Rajiv Ganguly, Neeru Verma (1999) ‘Use of Ferro Cement in Low Cost Housing’ held on December 21 at *Department of Civil Engineering, ‘V.R. Siddhartha Engineering College’, Vijaywada-520007, Andhra Pradesh, India.*

National level paper presentation entitled ‘Participation of farmers in Irrigation Management.

Publication in Book Chapters.

Rishi Rana, Rajiv Ganguly (2022) ‘Potential for Use of Treated Waste Water for Industrial Reuse in India’ *Published in* Yadav, S., Negm, A.M, Yadava, R.N, (eds) **Wastewater Assessment, Treatment, Reuse and Development in India**, (pp. 73-85), Springer Publications, [ISBN - 978-3-030-95785-8] https://doi.org/10.1007/978-3-030-95786-5_4

Disha Thakur, Rajiv Ganguly (2022) ‘Biocides’ *Published in* Hashmi, Z., Wang, S., Ahmed, Z. (eds) **Environmental Micropollutants**, (pp. 81-90), Elsevier Publications, [ISBN - 978-0-323-90555-8] <https://doi.org/10.1016/B978-0-323-90555-8.00007-6>

Disha Thakur, Rajiv Ganguly (2022) ‘Occurrence and fate of Micropollutants in air’ *Published in* Hashmi, Z., Wang, S., Ahmed, Z. (eds) **Environmental Micropollutants**, (pp. 305-313), Elsevier Publications, [ISBN - 978-0-323-90555-8] <https://doi.org/10.1016/B978-0-323-90555-8.00008-8>

Prachi Vasistha, Rajiv Ganguly (2021) ‘Effective Remediation Techniques for Twin Shallow Lakes in Panchkula, Haryana’ *Published in* Gupta AK., Shukla SK., Azamathulla H. (eds) **Advances in Construction Materials and Sustainable Environment. Lecture Notes in Civil Engineering**, vol 196. Springer Publications, Singapore. (Scopus Indexed) <https://doi.org/10.1007/978-981-16-6557-8>

Prachi Vasistha, Rajiv Ganguly, Ashok Kumar Gupta (2021) 'Risk Assessment of Biomedical wastes generated in hospitals of Chandigarh and Shimla, India.' In: Ghosh S. and Bhandari A (eds) *Urban Solid Waste Management – Issues and Challenges of Sustainability*. Palmview Publications [ISBN: 978-8195057245 (P-ISBN)], Chapter 5, pp. 84-100.

Prachi Vasistha, Rajiv Ganguly (2021). Water Quality and Designated Best Use (DBU) Determination of BhimTaal Lake of Panchkula, Haryana. In Chandrashekhar Bhuiyan, Wolfgang-Albert Flügel, Sharad Kumar Jain, *Water Security and Sustainability, Lecture Notes in Civil Engineering* (pp. 43-50). Singapore: Springer Publications. [ISBN: 978-981-15-9804-3] https://doi.org/10.1007/978-981-15-9805-0_5

Rishi Rana, Rajiv Ganguly (2020) 'Hazardous Waste and its Associated Health Risks.' In: Marfe G. and Di Stefano C (eds) *Hazardous Waste Management and Health Risks*. Bentham Science Publications [ISBN: 978-981-14-5474-5 (E-ISBN); 978-981-14-5472-1], Chapter 3, pp. 51-61.
<https://doi.org/10.2174/9789811454745120010006>

Saurabh Shukla, Rajiv Ganguly, Chaudhery Mustansar Hussain(2020) 'Hazardous Waste – Types and Sources.' In: Hussain C.M. (eds) *The Handbook of Environmental Remediation: Classic and Modern Techniques*. Royal Society of Chemistry [ISBN: 978-1-78801-380-2], Chapter 2, pp. 24-52. <https://pubs.rsc.org/en/content/chapter/bk9781788013802-00024/978-1-78801-380-2>

Rajiv Ganguly, Chaudhery Mustansar Hussain(2020) 'Economic, Legal and Safety Issues of Environmental Site Remediation.' In: Hussain C.M. (eds) *The Handbook of Environmental Remediation: Classic and Modern Techniques*. Royal Society of Chemistry [ISBN: 978-1-78801-380-2], Chapter 17, pp. 468-486. <https://pubs.rsc.org/en/content/chapter/bk9781788013802-00468/978-1-78801-380-2>

Disha Thakur, Rajiv Ganguly, Ashok Kumar Gupta, Veeresh Gali(2020) 'Evaluation of Existing Solid Waste Management System in Una Town, India.' In: Ghosh S. (eds) *Sustainable Waste Management: Policies and Case Studies*. Springer, Singapore [ISBN: 9789811370700], Chapter 33, pp. 367-381. https://link.springer.com/chapter/10.1007/978-981-13-7071-7_33

Rajiv Ganguly(2019) *Aspects of E-waste Management in India*. In: M.Z. Hashmi and A.Verma (eds) *Electronic Waste Pollution, Soil Biology 57*. Springer Nature Switzerland [ISBN: 978-3-030-26614-1, 978-3-030-26615-8 (eBook)], Chapter 17, Page 253-265. https://doi.org/10.1007/978-3-030-26615-8_17

Rajiv Ganguly(2019) *Indexing Method for Assessment of Air Quality: A Case Study for Dharamshala City in India*. In: Venkatesan and Thiruman. (eds) *Global Perspective on*

Air Pollution Prevention and Control System Design. IGI Global Publications[ISBN: 9781522572893], Chapter 3, Page 68-85.

<https://www.igi-global.com/chapter/indexing-method-for-assessment-of-air-quality/231943>

Vijay Kumar Garlapati, Shweta Tewari, Rajiv Ganguly, (2019) *Chapter 19: "Life Cycle Assessment of First-, Second- generation and Micro-algae Biofuels"*, in Majid Hosseini (Editor), *"Advances in Feedstock Conversion Technologies for Alternative Fuels and Bioproducts: New Technologies, Challenges and Opportunities"*. Elsevier, Imprint: Woodhead Publishing., USA, pp. 355-371. (ISBN: 978-0-12-817937-6) DOI: 10.1016/B978-0-12-817937-6.00019-9

<https://www.sciencedirect.com/science/article/pii/B9780128179376000199>

Anchal Sharma, Rajiv Ganguly, Ashok Kumar Gupta(2019) Matrix Method for Evaluation of Existing Solid Waste Management Processes in Jalandhar City, Punjab, India. In: Agarwal R., Agarwal A., Gupta T., Sharma N. (eds) *Pollutants from Energy Sources. Energy, Environment, and Sustainability. Springer, Singapore*[ISBN:9789811332807]

https://link.springer.com/chapter/10.1007/978-981-13-3281-4_12

Rajiv Ganguly, Deepika Sharma, Anchal Sharma, Ashok Kumar Gupta, B.R. Gurjar (2019) Parametric Evaluation of Leachate Generated from a Non-engineered Landfill Site and Its Contamination Potential of Surrounding Soil and Water Bodies. In: Agarwal R., Agarwal A., Gupta T., Sharma N. (eds) *Pollutants from Energy Sources. Energy, Environment, and Sustainability. Springer, Singapore*[ISBN:9789811332807]

https://link.springer.com/chapter/10.1007/978-981-13-3281-4_15

Anchal Sharma, Rajiv Ganguly, Ashok Kumar Gupta (2019) Comparative Analysis of Solid Waste Management Processes in Himachal Pradesh and Punjab. In: Singh H., Garg P., Kaur I. (eds) *Proceedings of the 1st International Conference on Sustainable Waste Management through Design. ICSWMD 2018. Lecture Notes in Civil Engineering, vol 21. Springer, Cham*[ISBN:9783030027063]

https://link.springer.com/chapter/10.1007%2F978-3-030-02707-0_40

Ankur Choudhary, Rajiv Ganguly Ashok Kumar Gupta (2018) A Framework for Assessment of Existing Solid Waste Management Practices and Characterization of Municipal Solid Waste in Muzaffarnagar City, India. In: Gezerman et al., (eds) *Effective Solutions to Pollution Mitigation for Public Welfare. IGI Global*, [ISBN: 9781522533795]

<https://www.igi-global.com/chapter/a-framework-for-assessment-of-existing-solid-waste-management-practices-and-characterization-of-municipal-solid-waste-in-muzzafarnagar-city-india/202887>

Anirban Dhulia, Rajiv Ganguly(2018) Critical Assessment of Existing Environmental Legislation and Policies in India, Its Benefits, Limitation, and Enforcement. In: Hussain C. (eds) *Handbook of Environmental Materials Management. Springer, Cham*[ISBN: 9783319585383]

https://link.springer.com/referenceworkentry/10.1007/978-3-319-58538-3_148-1

Niraj Singh Parihar, V.K. Garlapati, Rajiv Ganguly (2018) Stabilization of Black Cotton

Soil Using Waste Glass. In: Hussain C. (eds) *Handbook of Environmental Materials Management*. Springer, Cham [ISBN: 9783319585383]
https://link.springer.com/referenceworkentry/10.1007%2F978-3-319-58538-3_147-1

Prachi Vasistha, Rajiv Ganguly, Ashok Kumar Gupta (2018). Biomedical Waste Generation and Management in Public Sector Hospital in Shimla City. In Singh V., Yadav S., Yadava R, *Environmental Pollution* (1st Ed., pp. 225-232). Singapore: Springer. [ISBN : 978-981-10-5791-5]
https://link.springer.com/chapter/10.1007/978-981-10-5792-2_19

Rajiv Ganguly, Vijay Kumar Garlapati (2017). Comparative Account of Carbon Footprints of Burning Gasoline and Ethanol. In Anuj Kumar Chandel, Marcos Henrique Luciano Silveira, *Advances in Sugarcane Biorefinery: Technologies, Commercialization, Policy Issues and Paradigm Shift for Bioethanol and By-Products* (pp. 241-252). Amsterdam: Elsevier. [ISBN: 9780128045343].
<https://www.elsevier.com/books/advances-in-sugarcane-biorefinery/chandel/978-0-12-804534-3>