

Curriculum Vitae (CV)

Name: **Ritesh Vijay**

Designation: Senior Principal Scientist & Head

Lab Name: Waste Water Technology

Email id: r_vijay@neeri.res.in

Contact No: + 91 712 – 2224652, 2249763



Academic Background

Sr No	Qualification	College/University	Percentage/CGPA
1	B. E. (Civil Engineering)	Shri GS Inst. of Tech. & Science Indore DAVV, Indore	First Class with Distinction
2	M. Tech. (Environmental Engineering)	Shri GS Inst. of Tech. & Science Indore DAVV, Indore	First Class with Distinction
3	Ph. D. (Environmental Engineering)	VNIT, Nagpur	-

Job Experience

Sr No	Period	Place of Employment	Designation
1	October 2000 – October 2004	CSIR-NEERI, Nagpur	Scientist B
2	October 2004 – October 2008	CSIR-NEERI, Nagpur	Scientist C
3	October 2008 – October 2013	CSIR-NEERI, Nagpur	Senior Scientist
4	October 2013 – October 2018	CSIR-NEERI, Nagpur	Principal Scientist
5	October 2018 – till date	CSIR-NEERI, Nagpur	Senior Principal Scientist

Former Scientist Incharge – CSIR NEERI Mumbai Zonal Centre

Former Scientist & Head – CSIR-NEERI Centre for Strategic Urban Management (C-SUM)

Expertise

Decentralised Sewage Treatment, Shallow Sewerage System, In-situ Drain Treatment, Rejuvenation of water bodies, Urban Noise Pollution, Hydrodynamic and Water Quality Simulation, Application of remote Sensing and GIS in Environmental Science and Engineering

Publications in Journals: 81

Publications in Conference: International: 48 National: 41

Delivered invited lecture(s) in India / abroad and/ or chaired any scientific International Conference Symposium: 50

Copyrights: 8

Book Chapters: 9

Know How Transferred: 2

Awards Received: 24

Ph. D. Scholars: 6 (On-going)

M. Tech/MSc/MCA Guidance: 46

B. Tech. / B.E. Guidance: 6

International Trainee: 1

Projects (Grant-in-aid, Consultancy, instructed by Hon'ble Supreme Court, High Court, National Green Tribunal) as Project Leader /Co-Project Leader/Team Member: 120

List Technology (Commercialized)

- **Phytorid - Scientific Wetland with Active Biodegradation (SWAB) - Technical Know How** is ready and demonstrated, Technical Know How is commercialized in Rs. 18 Lakhs
Technology transferred to M/s Ayappa Infro Projects, Hyderabad, M/s Emergy Enviro Pvt. Ltd, Mumbai, M/s Precision Water, Mumbai, M/s SS Engineering, Delhi, M/s Technogreen, Pune, M/s Alaknanda Technologies Pvt Limited, Navi Mumbai, M/s ESTPL, Nagpur
- **RENEU – Restoration of Nallah with Ecological Units (Technical Know How is ready and demonstrated) under Fast Tract Commercialization project of CSIR, New Delhi,** Technical Know How is commercialized in Rs. 2.00 crore
Technology transferred to M/s Emergy Enviro Pvt Ltd, Mumbai

List of Copyrights

- **GIS based software for site selection and structure suggestion for artificial recharge of groundwater** by Ritesh Vijay and R. A. Sohony (Communicated to CSIR on 23/9/2009 and registration of copyright to Copyright Office, New Delhi, letter no: 028CR2009 dated 18/5/2010)
- **Software for Tidal Current Analysis and Visualization** by Asheesh Sharma, Ritesh Vijay and R. A. Sohony (Communicated to CSIR on 1/10/2009 and registration of copyright to Copyright Office, New Delhi, letter no: 029CR2009 dated 18/5/2010)
- **GIS based Environmental Information System** by Ritesh Vijay (Communicated to CSIR on 9/8/2010 and registration of copyright to Copyright Office, New Delhi, letter no. 023CR2010 dated 15/11/2010)

- **GIS integrated Noise Simulation Software (GNSS)** by Asheesh Sharma, Ritesh Vijay and R. A. Sohony (Communicated to CSIR on 13/8/2010 and registration of copyright to Copyright Office, New Delhi, letter no. 020CR2010 dated 18/1/2011)
- **GIS based solid waste management information system for Nagpur city** by Ritesh Vijay (Communicated to CSIR on 17/01/2012 and registration of copyright to Copyright Office, New Delhi, letter no. 001CR2012 dated 28/3/2012)
- **Web based Geographical Information System for Indian Environment-EnviGIS** by Ritesh Vijay, Asheesh Sharma and S. R. Wate (Communicated to CSIR on 28/08/2013 and registration of copyright to Copyright Office, New Delhi, letter no.044CR2013 dated 15/1/2014)
- **Geospatial web application for zone and site selection of ground water recharge: N-GWAR** by A. Sharma, Ritesh Vijay and S. R. Wate (Communicated to CSIR on 10/2/2014)
- **NEERI GIS based Noise Simulation Software: N-GNOIS** by Ritesh Vijay, A.Sharma, T. Chakrabarti, Rajesh Gupta and S. R. Wate (Communicated to CSIR, New Delhi on February 13, 2015 and registration of copyright to Copyright Office, New Delhi letter no. 010CR2015 dated 5/5/2015).

Publications

Sr No	Names of all the authors	Title of the paper	Name of the journal, volume, year and page
1.	Komal Kalawapudi Taruna Singh Ritesh Vijay Nitin Goyal Rakesh Kumar	Effects of COVID-19 pandemic on festival celebration and noise pollution level	Noise Mapping 2021, 8 (89-93) https://doi.org/10.1515/noise-2021-0006
2.	Kumar Amrit Arti R Soni Sunayana Surendra K Mishra Ritesh Vijay Rakesh Kumar	Assessment of frequency and severity of droughts in Maharashtra state of India	Arabian Journal of Geosciences (2020) 13: 1294 https://doi.org/10.1007/s12517-020-06400-9
3.	Divyesh Parde Akash Patwa Amol Shukla Ritesh Vijay D. J. Killedar Rakesh Kumar	A review of Constructed Wetland on type, treatment and technology of wastewater	Environmental Technology and Innovation 21 (2021) 101261 https://doi.org/10.1016/j.eti.2020.101261
4.	Akash Patwa Divyesh Parde Ritesh Vijay Rakesh Kumar	Solid Waste Characterization and Treatment Technologies in Rural Areas: An Indian and International Review	Environmental Technology and Innovation 20 (2020) 101066 https://doi.org/10.1016/j.eti.2020.101066
5.	Satinder Kaur Hemant Bherwani Sunil Gulia Ritesh Vijay Rakesh Kumar	Understanding COVID-19 transmission, health impacts and mitigation: timely social distancing is the key	Environment, Development and Sustainability , 2020 https://doi.org/10.1007/s10668-020-00884-x
6.	Papiya Biswas, Sirisala Mamatha, Kezil Varghesea, Roy Johnsona, Ritesh Vijay , Rakesh Kumar	3D printing of high surface area ceramic honeycombs substrates and comparative evaluation for treatment of sewage in Phytorid application	Journal of Water Process Engineering 37 (2020) 101503 https://doi.org/10.1016/j.jwpe.2020.101503
7.	Chaitanya Thakre,	Traffic noise prediction model	Environmental Science and

Sr No	Names of all the authors	Title of the paper	Name of the journal, volume, year and page
	Vijaya Laxmi, Ritesh Vijay , D. J. Killedar, Rakesh Kumar	of an Indian Road: An increased scenario of vehicles and honking	Pollution Research (2020) https://doi.org/10.1007/s11356-020-09923-6
8.	Saurabh Sakhre, Jaydip Dey, Ritesh Vijay , Rakesh Kumar	Geospatial assessment of land surface temperature in Nagpur, India: an impact of urbanization	Environmental Earth Sciences (2020) 79:226 Doi.org/10.1007/s12665-020-08952-1
9.	Jaydip Dey, Saurabh Sakhre, Ritesh Vijay , H. Bherwani Rakesh Kumar	Geospatial assessment of urban sprawl and landslide susceptibility around the Nainital lake, Uttarakhand, India.	Environment, Development and Sustainability (2020) . 25 April 2020 Doi:10.1007/s10668-020-00731-z
10.	Vijaya Laxmi, Saurabh Sakhare Ritesh Vijay	Geospatial analysis of groundwater quality in Patna Urban area.	Journal of Indian Water Works Association ; 2020 Vol II (2):104-110.
11.	Ritesh Vijay , Jaydip Dey, Saurabh Sakhre Rakesh Kumar	Impact of urbanization on creeks of Mumbai, India: a geospatial assessment approach	Journal of Coastal Conservation Vol 24, (1), 2020, 1-16, 04 January 2020 doi.org/10.1007/s11852-019-0072-y
12.	Ankit Gupta, Ritesh Vijay , Rakesh Kumar	Hydrodynamic and Advection-Dispersion Simulation of Cool Seawater Discharges from an LNG Facility	Indian Journal of Geo-Marine Sciences , Vol. 49 (1), January 2020, 7-14
13.	R. Kumar, P. R. Pujari, P Chauhan, S. P. Agarwal, S. K. Jain, S. Jain, L. Elango, P R. Muduli, C. Padmakar, L. Deshpande, A. Kapley, Ritesh Vijay , S. Dhyani, P. Verma	Environmental Science and Remote Sensing Applications in Hydrological Studies	Proceeding of Indian National Science Academy Vol 86, (1), March 2020, 495-501 Doi 10.16943/ptinsa/2020/49803
14.	Komal Kalawapudi, Taruna Singh, Jaydip Dey, Ritesh Vijay & Rakesh Kumar	Noise pollution in Mumbai Metropolitan Region (MMR): An emerging environmental threat	Environmental Monitoring and Assessment Vol. 192, Article number: 152, 2020 doi.org/10.1007/s10661-020-8121-9
15.	Vijaya Laxmi, Jaydip Dey, Komal Kalawapudi, Ritesh Vijay & Rakesh Kumar	An innovative approach of urban noise monitoring using cycle in Nagpur, India	Environmental Science and Pollution Research Vol. 26, 2019, 36812–36819 Doi 10.1007/s11356-019-06817-0
16.	Tuhin Banerji, Komal Kalawapudi, Sudheer Salana, Ritesh Vijay	Review of processes controlling Arsenic retention and release in soils and sediments of Bengal basin and suitable iron based technologies for its removal	Groundwater for Sustainable Development Vol. 8, April 2019, 358-367 doi.org/10.1016/j.gsd.2018.11.012
17.	Chaitanya Thakre,	Characterization of Honking	The Journal of Acoustical

Sr No	Names of all the authors	Title of the paper	Name of the journal, volume, year and page
	Vijaya Laxmi, Ritesh Vijay , D. J. Killedar, Rakesh Kumar	Noise in Urban Environment of Nagpur	Society of India Vol 45, (4), 2018, 1-11
18.	Ritesh Vijay , T. Chakrabarti and Rajesh Gupta	Characterization of Traffic Noise and Honking Assessment of an Indian Urban Road	Fluctuation and Noise Letters , Vol. 17, No. 3 (2018) 1850031 (14 pages) DOI: 10.1142/S0219477518500311
19.	Asheesh Sharma, Ritesh Vijay , G. L. Bodhe L. G. Malik	An adaptive neuro-fuzzy interface system model for traffic classification and noise prediction	Soft Computing Vol 22 Issue 6, March 2018, 1891–1902, doi.org/10.1007/ s00500-016-2444-z
20.	Girish S. Katkar, Dinesh A. Lingote, Ritesh Vijay	Interactive web-based data generation software applicable for river engineering	International Journal of Scientific Research in Computer Science Applications and Management Studies Vol. 7, Issue 6 (November, 2018)
21.	Dinesh A. Lingote, Girish S. Katkar , Ritesh Vijay , R. B. Biniwale	Responsive Information generation system for Kanhan River, an effective information system for river modeling	International Journal of Computer Sciences and Engineering , Vol.6, Issue-12, Dec 2018, 213-221
22.	Jaydip Dey, S. Sakhre, V. Gupta, Ritesh Vijay , Sunil Pathak, Rajesh Biniwale, Rakesh Kumar	Geospatial assessment of tourism impact on land environment of Dehradun, Uttarakhand, India	Environmental Monitoring and Assessment Vol 190, Issue 4, 181, April 2018, DOI 10.1007/s10661-018-6535-4
23.	Dilip Meshram, D Catherine, N. Badhe, Snehal Khedkar, Ritesh Vijay , Tapas Nandy	Zooplankton diversity as indicators of pollution in warm monomictic Dal–Nigeen lake	Sustainable Water Resources Management , December, Volume 4, Issue 4, 2018, 897–904 DOI 10.1007/s40899-017-0183-7
24.	Ritesh Vijay , Vikash kumar Kushwaha, Trupti Mardikar, P. K. Labhasetwar	Impact of highway construction on water bodies: a geospatial assessment	Environmental Monitoring and Assessment Vol 189 Issue 8 (401) July 2017 DOI 10.107/s10661-017-6111-3
25.	Siddhant Dash, Ritesh Vijay , Rajesh Gupta	A modeling approach for water quality assessment of Pili river using HEC-RAS	Journal of Indian Water Works Association XXXXIV(1):24-30 January 2017
26.	Trupti Mardikar, Ritesh Vijay , Indrani Gupta, Rakesh Kumar	An impact of sewage pumping failure on coastal water quality of Mumbai, India	Indian Journal of Geo-Marine Sciences , 46(8) August 2017:1528-1538
27.	A. S. Aremu and Ritesh Vijay	Modeling indigenous footpath and proximity cut-off values for municipal solid waste management: A case study of Ilorin, Nigeria	Procedia Environmental Sciences , Vol 35, 51-56, 2016 (doi: 0.1016/j.proenv.2016.07.005)
28.	Ritesh Vijay , S. M. Pinto,	A multi-temporal analysis for change assessment and	Environment Monitoring and Assessment 188 (9) September

Sr No	Names of all the authors	Title of the paper	Name of the journal, volume, year and page
	Vikash K. Kushwaha, Sukdeb Pal and Tapas Nandy	estimation of algal bloom in Sambhar Lake, Rajasthan, India	2016 Article No. 510 (Online DOI 10.1007/s10661-016-5509-7)
29.	Ritesh Vijay Trupti Mardikar Rakesh Kumar	Impact of sewage discharges on coastal water quality Mumbai, India: present and future scenarios	Environmental Monitoring and Assessment 188 (7) July 2016 Article No. 420, (10.1007/s10661-016-5418-9 online)
30.	Ritesh Vijay P. K. Mohapatra	Hydrodynamic assessment of coastal aquifer against saltwater intrusion for city water supply of Puri, India	Environmental Earth Sciences 75(7) Article No. 588, 2016 (DOI: 10.1007/s12665-016-5357-3).
31.	Shivani Shirke, S. M. Pinto, Vikash K. Kushwaha, Trupti Mardikar Ritesh Vijay	Object-based image analysis for the impact of sewage pollution in Malad creek, Mumbai, India	Environmental Monitoring and Assessment , 188(2) Article no. 95, 2016 (DOI: 10.1007/s10661-015-4981-9)
32.	Ritesh Vijay , V. K Kushwah, A. S. Chaudhary, Kasturi Naik, I. Gupta, Rakesh Kumar S. R. Wate	Assessment of tourism impact on land use land cover and natural slope in Manali, India: a geospatial analysis	Environmental Earth Sciences , 75(20) 2016 (DOI 10.1007/s12665-015-4858-9)
33.	Ritesh Vijay , Vikash K. Kushwaha, Neha Pandey, Tapas Nandy, S. R. Wate	Extent of sewage pollution in coastal environment of Mumbai, India: an object based image analysis	Water and Environment Journal Vol. 29, Issue 3, 365-374, 2015 (doi: 10.1111/wej.12115).
34.	Ritesh Vijay , A. Sharma, T. Chakrabarti and Rajesh Gupta	Assessment of honking impact on traffic noise in heterogeneous traffic environment of Nagpur, India	Journal of Environmental Health Science and Engineering , 13:10, 2015 (doi:10.1186/s40201-015-0164-4).
35.	Ritesh Vijay , A. Sharma, Manoj Kumar V. Shende, T. Chakrabarti Rajesh Gupta	GIS based noise simulation open source software: N-GNOIS	Fluctuation and Noise Letters , Vol. 14, No. 1, 1550005 (12 pages) 2015. (DOI: 10.1142/S0219477515500054).
36.	Gajanan K. Khadse, Ritesh Vijay P. K. Labhasetwar	Prioritization of catchments based on soil erosion using remote sensing and GIS	Environmental Monitoring and Assessment , 187(6):333, 06/2015 (doi: 10.1007/s10661-015-4545-z)
37.	Ritesh Vijay , S. S. Ramya and P. K. Mohapatra	GIS based DRASTIC approach for groundwater vulnerability in Puri city, India	Journal of Environmental Science and Engineering (in press).
38.	Ritesh Vijay , Puja Khobragade, S. S. Dhage, Ankit Gupta and S. R. Wate	Tidal and seasonal variations in water quality of Thane creek, Mumbai, India: a statistical analysis	Indian Journal of Geo-Marine Sciences , Vol. 44, No. 6, June 2015: 808-817.

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39.	Ritesh Vijay , Chandan Kori, Manoj Kumar, T. Chakrabarti Rajesh Gupta	Assessment of traffic noise on highway passing from urban agglomeration	Fluctuation and Noise Letters , Vol.13, No.4, 1450031 (12 pages) 2014 (DOI:10.1142/S021947751450031X).
40.	Ritesh Vijay , Puja Khobragade, R. A. Sohony, Rakesh Kumar and S. R. Wate	Hydrodynamics and water quality simulation of Thane creek, Mumbai: an impact of sewage discharge	Indian Journal of Geo-marine Sciences , Vol. 43, No. 10, October 2014 (8 pages)
41.	Ankit Gupta, Ritesh Vijay , Vikash k Kushwaha, S. R. Wate	Identification of inlet and outlet locations for cool seawater discharges from an LNG facility,	International Journal of Environmental Research , Vol. 8, No. 4, 953-960, Autumn 2014 Doi 10.22059/IJER.2014.787
42.	A. S. Aremu Ritesh Vijay Murtadha Adekilekun Tijani	Optimization of solid waste collection routes using Premium Solver Platform	International Journal of Environment and Waste Management 14(3):222-231 August 2014 DOI 10.1504/IJEW.2014.064581
43.	Tapas Nandy, Malay Goel, Ankit Gupta and Ritesh Vijay ,	Flow visualization of pollutant mixing in freshwater body near the density maximum	Hydrology: Current Research , proceedings of 3 rd International Conference on Hydrology & Meteorology, Vol. 5, Issue 4, 86, September 2014 dx.doi.org/10.4172/2157-7587.S1.013)
44.	Ritesh Vijay , S S Ramya P. R. Pujari and P. K. Mohapatra	Spatial and temporal assessment of groundwater quality in Puri city, India: a statistical analysis	Asian Journal of Water, Environment and Pollution , Vol 10, No. 2, 51-58, 2013
45.	Asheesh Sharma Ritesh Vijay G. L. Bothe L. G. Malik	Adoptive Neuro-Fuzzy Inference System for Traffic Noise Prediction	International Journal of Computer Applications 98(13):14-19 July 2014 DOI 10.5120/17243-7579
46.	Ritesh Vijay , Rishabh Popat, M. Pisode, A. Sharma, M. Kumar, T. Chakrabarti and Rajesh Gupta	Evaluation and analysis of noise levels at traffic intersections of Nagpur city, India	Journal of Environmental Science and Engineering , Vol. 55, No.2, April 2013, 197-206.
47.	Ritesh Vijay , Puja Khobragade, S.R. Kamble, R. A. Sohony Rakesh Kumar	Geospatial assessment of water quality in creeks and coast of Mumbai India	International Journal of Scientific & Engineering Research , Vol. 4, Issue 12, 61-67, December-2013.
48.	Asheesh Sharma Ritesh Vijay R. A. Sohony	Development of GIS based Noise Simulation Software (DGNSS)	International Journal of Scientific and Engineering Research 4(12): 2013, 177-182
49.	Ritesh Vijay , Preeti Jain, Nitu Sharma, J. K. Bhattacharya, A. N.	GIS based solid waste management information system for Nagpur city, India	Journal of Environmental Science and Engineering , Vol. 55, No. 1, January 2013, 114-119.

Sr No	Names of all the authors	Title of the paper	Name of the journal, volume, year and page
	Vaidya and R. A. Sohony		
50.	A.S. Aremu, Ritesh Vijay O.O. Adeleke,	Trip Time Comparison of Conventional and Exchange Container Mode for Solid Waste Bins Collection: A Case Study of Ilorin, Nigeria	Journal of Environmental Science and Engineering , Vol. 55, No. 1, January 2013, 1-8.
51.	Asheesh Sharma, Ritesh Vijay R. A. Sohony	Development of tidal current analysis and visualization software	Indian Journal of Geo Marine Sciences , Vol. 41, No. 3, June 2012, 198-202. http://nopr.niscair.res.in/handle/123456789/14164
52.	K. Narendra Varma, Ritesh Vijay R. A. Sohony	Geostatistical assessment of nitrate in groundwater of Puri city, India	Journal of Environmental Science and Engineering , Vol 54, No. 2, April 2012, 227-233.
53.	Ritesh Vijay , S. Kamble, S. S. Dhage, R. A. Sohony, S. R. Wate	Statistical assessment of seafront and beach water quality of Mumbai, India	Water Science and Technology , Vol. 64, No. 5, 1186 – 1193, 2011 (doi: 10.2166/wst.2011.667).
54.	P. K. Mohapatra, Ritesh Vijay , P. R. Pujari, S. K. Sundaray, B. P. Mohanty	Determination of processes affecting groundwater quality in the coastal aquifer beneath Puri City, India: a multivariate statistical approach	Water Science and Technology , Vol. 64, No. 4, 809 – 817, 2011,(doi: 10.2166/wst.2011.605).
55.	Ritesh Vijay , S. S. Ramya, P. R. Pujari, and P. K. Mohapatra,	Spatio-temporal assessment of groundwater level and quality in urban coastal city Puri, India	Water Science and Technology: Water Supply , Vol 11. No. (2), 194-201, 2011 (DOI: 10.2166/ws.2011.021)
56.	Swapnil R Kamble Ritesh Vijay	Assessment of water quality using cluster analysis in coastal region of Mumbai, India	Environmental Monitoring and Assessment , Vol. 178, No. 1-4, 2011, 321-332, July 2011 (DOI 10.1007/s10661-010-1692-0)
57.	Ritesh Vijay , Puja Khobragade P. K. Mohapatra	Assessment of groundwater quality in Puri city, India: An impact of anthropogenic activities	Environmental Monitoring and Assessment , Vol. 177, No. 1-4, 2011, 409–418 (DOI 10.1007/s10661-10-1643-9).
58.	R. R. Joshi, M. Warthe, S. harad Dwivedi, Ritesh Vijay T. Chakrabarti	Monitoring changes in land use land cover of Yamuna riverbed in Delhi: a multi-temporal analysis	International Journal of Remote Sensing , Vol. 32, Issue 24, 9547-9558, December 2011, (DOI: 10.1080/01431161.2011.565377)
59.	Ritesh Vijay , Abhinav Sharma, S. S. Ramya and Apurba Gupta	Fluctuation of groundwater in an urban coastal city of India: a GIS based approach	Hydrological Processes , Vol. 25, 2011, 1479-1485 (DOI: 10.1002/hyp.7914).
60.	Ritesh Vijay , Dipak Ranjan Samal and Prasanth Kumar	GIS based identification and assessment of groundwater quality potential zones in Puri city, India	Journal of Water Resource and Protection , Vol. 3, No. 6, 340-347, June 2011, (DOI 10.4236/jwarp.2011.36054)

Sr No	Names of all the authors	Title of the paper	Name of the journal, volume, year and page
	Mohopatra		
61.	Ritesh Vijay , T. Bhattacharyya, R. Sharma, S. S. Dhage, R. A. Sohony	GIS based water quality indexing of Malad creek, Mumbai: an impact of sewage discharge	Journal of Environmental Science and Engineering , Vol. 53, No. 2, April 2011, 143-150.
62.	Veena K. Saradar Ritesh Vijay R. A. Sohony	Water quality assessment of Malad Creek, Mumbai, India: an impact of sewage and tidal water	Water Science and Technology , Vol 62, No. 9, 2010, 2037-2043 (DOI: 10.2166/wst.2010.528).
63.	Deepty R. Satapathy, Ritesh Vijay , S. R. Kamble, R. A. Sohony	Remote sensing of turbidity and phosphate in creeks and coast of Mumbai: An effect of organic matter	Transactions in GIS , Vol 14, Issue 6, 2010, 811–832 (DOI: 10.1111/j.1467-9671.2010.01234.x)
64.	Ritesh Vijay , Puja Khobragade R. A. Sohony	Water quality simulation of sewage impacts in west coast of Mumbai, India	Water Science and Technology , Vol. 62, No. 2, 2010, 279-287 (DOI:10.2166/wst.2010.237).
65.	Ritesh Vijay , V. K. Sardar, S. S. Dhage, P. S. Kelkar, A. Gupta	Hydrodynamic assessment of sewage impact on water quality of Malad Creek, Mumbai, India	Environmental Monitoring and Assessment , Vol. 165, No. 1-3, 2010, 559-571. (DOI 10.1007/s10661-009-0967-9).
66.	Asheesh Sharma, Ritesh Vijay , Veena Sardar, Rajiv Sohony, Apurba Gupta	Development of Noise simulation model for stationary and mobile sources: a GIS based approach	Environmental Modeling and Assessment , Vol. 15, Issue 3, 2010, 189-197 (DOI 10.1007/s10666-009-9197-3).
67.	Ritesh Vijay , D R Satapathy, B. Nimje, S. Nema, S. Dhurve A. Gupta	Development of GIS based Environmental Information System: an Indian Scenario	International Journal of Digital Earth , Vol. 2, No. 4, 2009, 382-392 (DOI: 10.1080/17538940902964461).
68.	Ritesh Vijay R. A. Sohony	GIS based Site and Structure Selection Model for Groundwater Recharge: A Hydrogeomorphic Approach	Journal of Environmental Science and Engineering , Vol. 51, No. 4, October 2009, 311-314.
69.	Ritesh Vijay , Aabha Sargaonkar Apurba Gupta	A Hydrodynamic approach to address Yamuna riverbed development in Delhi	Canadian Journal of Civil Engineering , Vol 36, No. 7, 2009, 1155–1163 (DOI: 10.1139/L09-059)
70.	Ritesh Vijay and Apurba Gupta,	GIS for Municipal Solid Waste Management	Journal of Indian Association for Environment Management , 35, No. 1, February 2008, 20-22.
71.	Ritesh Vijay , Ajay Gautam, Ajay Kalamdhad, A. Gupta S. Devotta	GIS-based locational analysis of collection bins in municipal solid waste management systems	Journal of Environmental Engineering and Science , Vol. 7, No. 1, January 2008, 39-43.
72.	Ritesh Vijay , Nikhil H. Panchbhai Apurba Gupta	Spatio-temporal analysis of groundwater recharge and mound dynamics in an unconfined aquifer: a GIS-based approach	Hydrological Processes , Vol. 21, issue 20, September 2007, 2760-2764. doi.org/10.1002/hyp.6487

Sr No	Names of all the authors	Title of the paper	Name of the journal, volume, year and page
73.	Ritesh Vijay Abha Sargoankar Apurba Gupta	Hydrodynamic Simulation of River Yamuna for riverbed assessment: a case study of Delhi region	Environmental Monitoring and Assessment , Vol. 130, No. 1-3, July 2007, 381-387 doi.org/10.1007/s10661-006-9405-4
74.	Abha Sargaonkar, Ritesh Vijay Apurba Gupta,	Quantitative assessment of annual runoff in sub-catchments using GIS: A case study of the Tapi river basin, India	International Journal of Environmental Studies , Vol. 63, No. 2, April 2006, 189-194 doi.org/10.1080/00207230600562403
75.	Ritesh Vijay Ashutosh Pareek Apurba Gupta	Estimation of rainfall-runoff using Curve Number: a GIS based development of Sathanur reservoir catchment	Journal of Environmental Science and Engineering , Vol. 48, No. 4, October 2006, 267-270.
76.	Ritesh Vijay , A. Gupta, Ajay S. Kalamdhad, and Sukumar Devotta,	Estimation and Allocation of Solid Waste to Bin Through Geographical Information System (GIS)	Waste Management & Research , Vol. 23, No. 5, 2005, 479-484. doi.org/10.1177/0734242X05057763
77.	Ritesh Vijay , Apurba Gupta and Sukumar Devotta	Computation of reservoir storage capacity and submergence using GIS	Surveying and Land Information Science , Vol. 65, No. 4, 2005, 255-258
78.	Ritesh Vijay and T. A. Sihorwala	Identification and leaching characteristics of sludge generated from metal pickling and electroplating industries by Toxicity Characteristics Leaching Procedure (TCLP)	Environmental Monitoring & Assessment , Vol. 84, No. 3, June 2003, 193-202 doi.org/10.1023/A:1023363423345
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