


**SRES', Sanjivani College of Engineering, Kopargaon**  
(An Autonomous Institute affiliated to SPPU, Pune)

## Staff Profile

Personal Information			
<b>Name of Teaching Staff: Dr. Vrushali Vijay Sasane</b>			
<b>Designation: Assistant Professor</b>			
<b>Department : Civil Engineering</b>			
<b>Date of joining : 02 January 2008</b>			
<b>E Mail ID :</b>	<b>sasanevrushalicivil@sanjivani.org.in</b>		
<b>Contact No:</b>	<b>9923627665</b>		
Education Details			
Qualification	Specialization with Class or Grade	University	Year
UG	Civil Engg.	University of Pune	2003
PG	Environmental Engg	SPPU, Pune	2010
Ph.D	Civil Engg.	SPPU, Pune	2022
Total experience in years:			
<b>Teaching:</b>	<b>14.3 Years</b>		
<b>Industry:</b>	<b>Nil</b>		
Research and Publications			
<ol style="list-style-type: none"> <li>1. Sasane V.V., Kote A.S. (2022) Groundwater Heavy Metal Contamination Mapping Using Geographic Information System (GIS): A Case of Nashik Thermal Power Station, Eklahare, Nashik (M.S.), India. In: Rao C.M., Patra K.C., Jhajharia D., Kumari S. (eds) Advanced Modelling and Innovations in Water Resources Engineering. Lecture Notes in Civil Engineering, vol 176. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-16-4629-4_33">https://doi.org/10.1007/978-981-16-4629-4_33</a></li> <li>2. Vrushali V Sasane and Alka S Kote, Modeling Nitrate Contamination in Groundwater</li> </ol>			

using Artificial Neural Network combined with Principle Component Analysis in Nashik Region. *Indian Journal of Environmental Protection Vol. 40, Issue-7, pp: 675-684, 2019. [ ]*

3. Alka S Kote, Vrushali V Sasane, Review of Water Quality Issues of Godavari River Basin and Prediction Models. *Pollution Research, 37 (3), pp: 161:168, 2018 [ ]*.
4. VVSasane Sharan, Reetika Sharan, Bio-CNG production potential from locally available biomass. *International Journal of Advance Research, Ideas and Innovations in Technology 4(2), pp: 1393:1396, 2018 [ ]*.
5. Sasane VV Jadhav P.N., Application of Locally Available Admixtures for Saline Land Reclamation. *International Journal of Engineering Research and Development, 12 (12), pp: 53:59, 2016 [ ]*.
6. Sasane V V Sabale P.N., Desalination of Water by Using Natural Adsorbents. *International Journal of Engineering Research and Development 12 (11), 34-43, 2016*.
7. Sasane V V ,Vaidya B. P, Application of Zeolite for Post Combustion Carbon Capture *International Journal of Engineering Research & Technology 5 (6), 690-695, 2016*.
8. V VSasane and VM PATIL, Assessment of Groundwater Quality Using WQI for Selected Rural Area of Kopergaon, Ahmednagar, Maharashtra (India), *J Environ. Science & Engg 57 (No. 1), 7-15, 2015*.
9. Sasane V V and Sarangdhar G.N., Kinetics of Water Disinfection with Azardirachtra Indica (Neem) Leaf Powder *Journal of Water Resources and Environmental Engineering 1 (1), 25-30, 2015*.
10. Sasane V.V. and Sarangdhar G.N., A Potential of Phytodisinfectants in Water Treatment in Rural India: A Review. *Journal of Water Resources and Environmental Engineering 1 (1), 1-24. 2015*.
11. VVSasane V. S. Chaudhari, Investigation of Optimum Operating Parameters for Removal of Fluoride Using Naturally Available Geomaterial. *International Journal of Engineering Research & Technology (IJERT 3 (5), pp: 2123-2128, 2014*.
12. VVSasane and Vishvajit B. Kokate, Decentralised Approach for Municipal Solid Waste Management Using Vermitechnology, *International Journal of Innovative Research in Science, Engineering and Technology, 3(3), pp: 10356-10364, 2014*
13. Sasane VV Gaikwad. R.W, Assessment of ground water quality in and around Lonar lake and possible water treatment. *International Journal of Environmental Sciences ,3 (4), 1263-1270, 2013*.
14. V.V. Sasane, Shraddha N Lohote, Assessment of Groundwater Quality around Solid Waste Dumping Site at Uruli Devachi, Pune, Maharashtra. *International Journal for Research in Technological Studies 1, 8-10, 2013*.

**Papers presented in conferences:**

1. V V Sasane and Dr Alka Kote, Groundwater Heavy Metal Contamination Mapping using Geographic Information System (GIS): A Case of Nashik Thermal Power Station, Eklahare, Nashik (M. S.), India. *Advanced Modelling and Innovations in Water Resources Engineering AMIWRE-2020* 19-20 September 2020, National Institute of Technology Jamshedpur, Jharkhand India.
2. V V Sasane and Dr Alka Kote, Least Square Support Vectoem Machine in Predcition of Lead. 24th Hydro 2019, International Conference on Hydraulic, Water Resources and Coastal Engg. Osmania University, Hyderabad, India, 18-20, December 2019
3. V V Sasane, Dr Alka Kote, Development of Multiple Linear Regression Model for Heavy Metal Prediciton around Eklahare Thermal Power Plant. 23rd Hydro 2018, International Conference on Hydraulic, Water Resources and Coastal Engg.NIT, Patna, India. 19-21 December 2018.
4. VVSasane Sharan, Reetika, Bio-CNG production potential from locally available biomass. *Vivruti 2018, International Conference on Emerging Trends of Technology*
5. Sasane V.V. Sarangdhar G N, Herbal Disinfection: A Low Cost Solution for Water Treatment in Rural Areas. *Proceedings of International Conference on Recent Trends in engineering & Technology - 2013(ICRTET'2013)* Organized By: SNJB's Late Sau. K. B. Jain College Of Engineering, Chandwad, pp: 627:630
6. VVSasane V.S.Chaudhari, Defluoridation of Water Using Low Cost Geomaterial. *Proceedings of International Conference on Recent Trends in engineering & Technology - 2013(ICRTET'2013)* Organized By: SNJB's Late Sau. K. B. Jain College of Engineering, Chandwad, pp: 636-640.
7. V.V. Sasane V M Patil, Assessment of Ground Water Quality Status Using NSFWQI Method in Selected Rural Area of Kopargaon , Ahmednagar, Maharashtra. *Proceeding of International Conference on Recent Trends in engineering & Technology - 2013(ICRTET'2013)* Organized By: SNJB's Late Sau. K. B. Jain College Of Engineering, Chandwad, pp: 723:728.
8. V.V.Sasane S R Korke Assessment of Ground Water for Fluoride & Nitrate content in and around Lonar Lake and possible Water Treatment, Buldhana, Maharashtra, India. *Sanjivani Vision 2011- National Conference on Emerging Trends in Engineering and Technology*.
9. V.V.Sasane S R Korke Assessment of Ground Water Quality Status Using Water Quality Index Method in Lonar, Buldhana, Maharashtra. *Sanjivani Vision 2012- National Conference on Emerging Trends in Engineering and Technology* ISBN - 978-93-81583-30-2

#### Research Profile URL

Google Scholar	<a href="https://scholar.google.com/citations?user=YCuJbakAAAJ&amp;hl=en">https://scholar.google.com/citations?user=YCuJbakAAAJ&amp;hl=en</a>
Scopus	

<b>Orcid</b>			
<b>Other Research Details</b>			
<b>Ph D Guide ?Give field &amp; University:</b>	Nil		
<b>Ph Ds/ Projects Guided:</b>	11 Nos (UG), 14 Nos. (PG)		
<b>Books Published</b>	Nil		
<b>IPRs/Patents</b>	Nil		
<b>Professional Memberships:</b>	ISTE and IEI		
<b>Interaction with professional institutions</b>	Nil		
<b>Consultancy Activities</b>			
<b>Duration</b>	<b>Title of Activity</b>	<b>Issued Organization</b>	<b>Amount</b>
2 Days	Groundwater sample analysis	Harsh Construction	Rs. 4,000
2 Days	Groundwater sample analysis	Sainath Construction	Rs. 6,000
<b>Grants fetched</b>			
<b>Duration</b>	<b>Title</b>	<b>Issued Organization</b>	<b>Amount</b>
<b>Awards</b>			
<b>Please write/type Here</b>			
<b>FACULTY DEVELOPMENT PROGRAMMES ATTENDED</b>			
<b>Name of the FDP / Workshop</b>	<b>Organization</b>	<b>Duration</b>	<b>Month-Year</b>
Intellectual Property Rights: Process and Procedures in India	SRES Sanjivani College of Engineering, Kopargaon	Two days workshop	January 2020
Patenting for Innovations	SRES Sanjivani College of Engineering, Kopargaon	One week STTP	May 2020

Quantum Geographic Information System	Don Bosco College of Engineering, Fatorda, Goa	One week FDP	June 2020
Consultancy in Civil Engg: Opportunities and Challenges	KBTCOE, Nashik	One week FDP	May 2021
Plastic Waste Management	IIT Kharagpur	One week FDP	Jan-March 2020
Universal Human Values and Ethics	SRES Sanjivani College of Engineering, Kopargaon	One week FDP	June 2021
NBA Accreditation and Teaching - Learning in Engineering (NATE)	IISc, Bangalore, MSRIT	1.5 Week	Jan- April 2021
Strategies to Improve R & D Activities in Engineering Institutes	SRES Sanjivani College of Engineering, Kopargaon	One week FDP	October 2021

#### **FACULTY DEVELOPMENT PROGRAMMES ORGANIZED**

<b>Name of the FDP / Workshop</b>	<b>Organization</b>	<b>Duration</b>	<b>Month-Year</b>	<b>Capacity</b>
Nil				

#### **INVITED LECTURES IN CONFERENCE/SEMINAR**

<b>Title of Lecture/ Academic Session</b>	<b>Title of Conference/ Seminar etc.</b>	<b>Organized By</b>
Nil		

#### **OTHER Professional URLs**

<b>Personal Website</b>	<b>Nil</b>
<b>Linked In Profile</b>	<b>Yes</b>

<b>GitHub URL</b>	<b>Nil</b>
<b>YouTube Channel</b>	<b><a href="https://www.youtube.com/channel/UCBMvn4i51D6fvd6L3VkqQ3Q">https://www.youtube.com/channel/UCBMvn4i51D6fvd6L3VkqQ3Q</a></b>
<b>Other</b>	<b>Nil</b>