

	Name : Dr Shrikant Jahagirdar	
	Designation: Assistant Professor	
	Qualification: B.E. (Civil), M.E. (Environmental Engineering), PhD (Civil- Environmental Engineering)	
	Email-id : shrikantjahagirdar@orchidengg.ac.in	
	Mobile No. : 9552529267	
	Age : 43	
	Total Experience:	20 Years
	Teaching	20 Years
	Industry	---
	Area of Interests: Reuse of Solid waste ★ Aerobic and Anaerobic composting ★ Water and Wastewater treatment ★ Air pollution and Control	
Education:		
Masters: M.E. (Structure) 2002 from Shivaji University		Bachelors: B.E. (Civil) in year 1999 from Shivaji University, Kolhapur University Gold Medalist
Date of Joining this Institution (NKOCET):		06/08/2009
Subjects Taught		
At UG Level		9. <i>Water resource engg -I</i>
1. <i>Environmental Engineering-I</i>		10. <i>Water resource engineering II</i>
2. <i>Environmental Engineering-II</i>		
3. <i>Air pollution</i>		
4. <i>Basic civil engineering</i>		
5. <i>Surveying –II</i>		
6. <i>Building planning and built environment</i>		
7. <i>Advanced Environmental Management</i>		
8. <i>Industrial Waste Treatment</i>		
Project Guided		
At UG Level : 30		At PG Level : --
Software Proficiency		
Conferences / STTP /FDP/ Workshops		
		1. Two Week Workshops – 05 2. One Week Workshops - 15
Major Portfolios handled at College/ Department / University level		
1. Dean R and D		2. Institute Innovation Cell IIC President
Association with Professional bodies		
		IEI, ISTE
Research and Publications		
International Journals - 13		Conferences - 02

Achievements (if any)	
<ul style="list-style-type: none"> • GATE2000 96.87 percentile AIR 167 • University Gold medalist in 1999 • Phd course work CGPA 10.0 	<ul style="list-style-type: none"> • Recognized as PG teacher in Civil Engineering for Solapur University, Solapur. • Recognized Ph.D. guide for Dr. Babasaheb Ambedkar Technological University, Lonere. • Awarded as the best faculty member of Civil Engineering Department for academic Year 2013- 14.
Link to personal website/Blog (If any)	

Thesis Guided:

➤ **At UG Level:** Major projects guided

1. Reuse of textile mill sludge in burnt clay bricks
2. Reuse of textile mill sludge in different grades of concrete
3. Reuse of incinerated textile mill sludge ash as adsorbent
4. Design and development of kitchen waste composter
5. Design and development of composter for temple waste
6. Design and development of solar operated composter for temple waste

Books Published

Sr. No.	Name of book	Publisher	Year of publication
1	<i>Foundation Engineering BE (Civil), Pune university</i>	<i>Nirali Prakashan Pune</i>	<i>2007,2017</i>
2	<i>Basic Civil Engineering FE, Solapur university</i>	<i>Shraddha Prakashan, Solpaur</i>	<i>2009</i>
3	<i>Environmental Engineering</i>	<i>Nirali Prakashan Pune</i>	<i>2019</i>

Research Publication:

a) Papers Published in International Journals

1. Kulkarni, G. J., Dwivedi, A.K., **Jahagirdar, S.S.** (2012). "Textile Mill Sludge as Fine Aggregate in Concrete". *Global Journal of Research In Engineering*, Vol.12, issue 2, pp 20-26.
2. **Jahagirdar, S. S.**, Shrihari, S. and Manu, B. (2013). "Utilization of textile mill sludge in burnt clay bricks". *International Journal of Environmental Protection*, Vol. 3, Issue. 5, pp. 6-13 ISSN: 2226-6437 (Print) ISSN: 2224-7777 (Online).
3. **Jahagirdar, S. S.**, Shrihari, S. and Manu, B. (2013)." Reuse of textile mill sludge in burnt clay bricks". *International Journal of Advanced Technology in Civil Engineering*. Vol. (2) No. (1), pp 96-99.

4. **Jahagirdar, S. S.,** Shrihari, S. and Manu, B. (2012). “Reuse of textile mill sludge in cement based solid blocks”. *International Journal of Engineering, Research and Industrial Applications. (IJERIA)*. ISSN 0974-1518, Vol.5, No. III, pp 203-214.
5. **Jahagirdar, S. S.,** Shrihari, S. and Manu, B. (2015). “Reuse of Incinerated Textile Mill Sludge as Adsorbent for Dye Removal”. *KSCE Journal of Civil Engineering*. pISSN 1226-7988, eISSN 1976-3808 www.springer.com/12205, pp 1-5. **(Scopus indexed)**
6. **Dr. Jahagirdar, S. S.,** Dr. Patki,V., K., and Thavare, R., M. (2015). “ Comparative Study of Water Quality Parameters of Different Brands of Soft Drinks”. *IOSR Journal of Mechanical and Civil Engineering, Innovation in engineering science and technology (NCIEST-2015) special issue*, pp 142-149.
7. **Jahagirdar S S , Patki V K, Metan S S (2019).”** Evaluation of Physical and Chemical Properties of OPC and PPC Cement, *International Journal of Recent Technology and Engineering (IJRTE)*, Vol-8, issue 9S11, 840-845 **(Scopus Indexed ISSN 0193-4120)**.
8. **Patki V K , Jahagirdar S S , Metan S S (2020).** “Urban Water Distribution Network Failure Prediction using Artificial Intelligence”. *TEST Engineering & Management*, Vol- 82(1), 8355-8362. **(Scopus Indexed ISSN 0193-4120)**.
9. **Diwan N C , Jahagirdar S S , Gawande S.M (2019).** “Assessment of Water Quality Index for Hipparga Lake in Solapur City”. *The International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)*, 8(6), 7364-7369.
10. **V.K.Patki, Patil Y. M., Shrikant Jahagirdar, Rahul Karle (2021)** Prediction of Water Quality Index in Municipal Distribution System. *Materials Today*, Available online 27 March 2021. **(Elsevier, Scopus indexed, In Press)**.
11. **Patil Y. M., V.K.Patki, Shrikant Jahagirdar, Rahul Karle (2021)** Greywater Treatment by Vegetated Vermifilter: A low-cost option for Rural Sanitation in India, *Materials Today Proceedings*, 45, 6946-6950. **(Elsevier, Scopus indexed)**.
12. **Rahul Karle, Patil Y. M., V.K.Patki, Shrikant Jahagirdar, Girish Kulkarni (2021)** Degradation Of Personal Care Product 2-Chloropyrine Detected In Surface Water Bodies., *Materials Today Proceedings*, Available online 27 March 2021 **(Elsevier, Scopus indexed)**
13. **Shrikant Jahagirdar, V.K.Patki, Patil Y. M., , Rahul Karle (2021)** Reuse Of Textile Mill Sludge in Different Grades of Concrete. *Materials Today Proceedings*, Available online 2 April 2021 **(Elsevier, Scopus indexed)**.

b) Papers Presented at National/International Conferences

1. **Jahagirdar, S. S.,** Shrihari, S. and Manu, B. (2012) “Reuse of textile mill sludge in building materials”. *Proceedings of the Twenty-Seventh National Convention of Environmental Engineers*, the Institution of Engineers (India), Mangalore, 24-25 January, 62.
2. **Jahagirdar, S. S.,** Shrihari, S. and Manu, B. (2013). “Reuse of textile mill sludge in burnt clay bricks”. *Second International Conference on Recent Trends in Engineering and Technology (ICERT 2013)* held

at SNJB's Late Sau. Kantabai Bhavalaji Jain College of Engineering in Feb.2013, Chandwad, Nashik, Maharashtra, India, 22-24.

Research Grants received

Topic	Amount	Sanctioning Authority	Role
Utilization of solid wastes generated from textile mill, granite marble cutting, foundry and stone crusher industries in burnt clay bricks	4,00,000 (duration 2 years)	Maharashtra Pollution Control Board, Mumbai	Principal Investigator
National Ambient Air Quality of Solapur, Barshi, Pandharpur and Osmanabad cities. (Manual stations)	84,00,000* (Duration 2 years)	Maharashtra Pollution Control Board, Mumbai	Scientific Officer

*- Department of Civil Engineering, NKO CET, Solapur

Workshop Attended:

Sr. No.	Title	Organising Body	Duration	Year	Remark
1.	Communication Skills for Engg. Teachers	AVCOE, Sangamner	1 day	Jan 2002	Seminar
2.	Essential Properties and Requirements of Concrete	Ambuja cement	1 day	July 2002	Seminar
3.	Valuation Techniques	Council of Architecture	1 week	Dec-Jan 2002-03	STTP
4.	Correct Steps in Concrete Making	Ambuja cement	1 day	March 2003	Seminar
5.	Air Pollution control	IISc Bangalore	1 week	April 2003	STTP
6.	Engg. Mechanics – Effective Teaching Methodology	AISSMS's COE, Pune	2 days	Jan 2004	Workshop
7.	Effective Teaching Skills	AISSMS's COE, Pune	2 days	Feb 2004	Workshop
8.	Biomanagement Of Waste For Environmental Upgradation	AICTE-ISTE	2 weeks	June-July 2004	STTP
9.	Municipal Solid Waste Management	IISc, Bangalore	1 Week	Aug 2004	QIP
10.	Syllabus revision of BE Civil	KK Wagh COE, Nashik	2 days	Jan-2006	Workshop
11.	Conquering Concrete	Ambuja cement	1 day	Jan 2007	Seminar
12.	Staff development programme	COE, Malegaon (bk)	1 week	Jan 2008	Workshop
13.	GIS and Remote sensing in environmental management	IISc , Bangalore	1 Week	Feb-Mar 2008	QIP
14.	Syllabus revision of FE (BCEE)	GH Rasoni COE, Wagholi	1 day	April 2008	Workshop

15.	Syllabus drafting of SE (civil)	AISSM's COE, Pune	1 day	Dec 2008	Workshop
16.	Patents	MAE, Alandi	1 day	Oct 2009	Seminar
17.	Syllabus revision of BE Civil	WIT Solapur	1 day	Nov 2009	Workshop
18.	Environmental systems optimization	VNIT, Nagpur	2 weeks	Nov-Dec 2009	QIP
19.	Green buildings	VVP Solapur	1 day	April 2010	Workshop
20.	Structural audit of existing buildings	ISSE-SLC	1 day	March 2011	Workshop
21.	Mission 10X	WIPRO	1 week	August 2011	Workshop
22.	Mission 10X advanced level	WIPRO	2 days	Dec-2011	Workshop
23.	Accreditation process as per January, 2013 format of NBA	Halkatti college of engineering	2 days	April 2013	workshop
24.	National Convention on Green technology	IEI Mangalore	2 days	Jan 2012	Conference
25.	Nano technology of rural development	SVERI's COE, Pandharpur	2 days	June 2014	Workshop
26.	Coordinators workshop for 'Environmental studies'	IIT bombay	1 week	March 2015	Workshop
27.	Stake holders workshop for air quality in 10 cities of Maharashtra	NEERI, IITB and MPCB	2 days	April 2017	Workshop
28.	Shudhha hawa sankalp -2022	MPCB, Mumbai	1 day	Aug 2017	
29.	Lead Auditor – Environmental Management system	LRQA mumbai	5 day	Dec 2017	Certification course
30.	Innovation Ecosystem	IIM Lucknow	5 day	March 2020	Workshop