



V. L. Manekar, PhD
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Personal

Date of joining SVNIT	May 28, 2009
Date of Birth	June 18, 1965
Field of Specialisation	Hydraulics Engineering
Technical Qualifications	B.E.(Civil), M Tech (Hydraulics Engg), PhD (Civil Engineering)

Research Interest

- Sediment Laden Flow Modelling and Simulation
- Agro-Climatic Modelling
- Hydrodynamic Flood Modelling
- Impact of LULC & Climate Change on Water Resources
- Groundwater modelling

Courses Taught

Undergraduate Level	Postgraduate Level
Fluid Mechanics	Advanced Fluid Mechanics
Water Resources Engineering –I	Irrigation and Drainage Systems
Water Resources Engineering –II	Engineering
Advanced Fluid Mechanics	Free Surface Flow
Basic of Civil & Environmental Engineering	Advanced Hydraulic Structures
Hydraulics and Hydraulic Machines	Water Distribution System
Advanced Hydraulic Structures	

Few Publications

Journal:

1. VL Manekar, PD Porey, RN Ingle (2007) Discharge relation for cutthroat flume under free-flow condition **Journal of Irrigation and Drainage Engineering, ASCE**, 133 (5), 495-499 [SCI, Q2-3]
2. BR Andharia, PL Patel, VL Manekar, PD Porey (2013) Prediction of friction factor and stage–discharge relationship in alluvial streams **ISH Journal of Hydraulic Engineering** 19 (1), 49-54 [SCI, Q2]
3. N Bharadiya, V Manekar (2015) Development of an agro-climatic wheat yield model for Surat district, India using dimensional analysis. **Journal of Agrometeorology** 17 (2), 223-226 [Scopus, Q2]
4. SJ Kadbhane, VL Manekar (2016) An experimental study of the surface and subsurface irrigation methods with respect to soil moisture on the grape yard. **Journal of Water and Land Development** 31 (1), 73 [Scopus, Q2]
5. BR Andharia, PL Patel, VL Manekar, PD Porey (2018) Numerical and experimental studies in prediction of bed levels of aggrading channels. **Current Science**, 1697-1708 [WoS, Q2]
6. BR Andharia, PL Patel, VL Manekar, PD Porey (2018) Prediction of bed level variations in nonuniform sediment bed channel **Sādhanā** 43, 1-16 [Scopus, Q2]
7. M Shaikh, S Yadav, V Manekar (2021) Accuracy assessment of different open-source digital elevation models through morphometric analysis for a semi-arid river basin in the western part of India. **Journal of Geo-Visualisation and Spatial Analysis** 5, 1-21 [Scopus, Q1]
8. R Thakur, VL Manekar (2022). Artificial intelligence-based image classification techniques for hydrologic applications. **Applied Artificial Intelligence** 36 (1), 2014185 [WoS, Q1]
9. P Nimbalkar, P Rathod, V Manekar, A Bhalerao (2022) Scour model for circular compound bridge pier **Water Supply** 22 (5), 5111-5125 [WoS, Q1]
10. P Rathod, VL Manekar (2023). Comprehensive approach for scour modelling using artificial intelligence. **Marine Georesources & Geotechnology** 41 (3), 312-326 [WoS, Q2]
11. S Wagh, V Manekar (2023) A GIS-based morphometric prioritisation of watersheds for soil erosion planning: a case study **Environmental Earth Sciences** 82 (19), 443 [WoS, Q2]
12. A Jain, VL Manekar, JN Patel (2025) Determining the Groundwater Availability Within the Framework of Potential Zones Using Fuzzy Analytic Hierarchy Process for Damoh District **Journal of the Indian Society of Remote Sensing**, 1-18 [Scopus, Q2]

Detail List: <https://scholar.google.com/citations?user=dy94IA0AAAAJ&hl=en>

Research Projects

Sr. No	Project	From	To	Funding Agency	Sanctioned Amount	Status
1.0	Flow Structure and Turbulence	Feb 2015	ongoing	DST-FIST	Rs 175/-Lakh	Ongoing
2.0	Estimation of near field concentrations of KAPS discharged radionuclides (3H,137Cs,60Co) in the aquatic environs of Moticher lake (As CI)	July 2014	June 2016	BRNS Secretariat, Department of Atomic Energy, GoI	Rs.12,71,800/-	Completed

Research Guidance

No. of Dissertations Supervised	UG: 04	PG: 35
No. of Ph.D thesis, Supervised	Completed: 09	Ongoing:10
No. Books/chapters authored	Books: 01	Book Chapters: 08

Positions and Responsibilities

Sr. No	Responsibility	Duration	Nature of Work
1	Head of Department Civil Engg	01.01 2025-continue	Smooth functioning of the departmental activities, Academic and Administrative responsibilities, As per NIT Statute
2	Dean (P&D)	16.05.2021-14.08.2023	As per NIT Statute
3	Asso Dean (P&D)	16/02/21-15/05/2021	All Capital projects, EWS Hostel, HEFA Projects
4	Chairman, Magazine Committee	2018-19	Campus Publications, Renessa-magazine
5	Member, Institute Anti-Ragging Committee	2017-26	Vigilance for anti-ragging
6	Ph D Coordinator	8 th Sep 2017 till 2019	Coordination of departmental research scholars' activities
7	Chairman, CCMT 2017	10/04/2017 - 31/07/2017	Centralised PG Admissions in all PG courses
8	PG In charge (WRE)	Sep 2016 to June 2017	Coordination of sectional activities
9	Sectional Head WRE	22/01/2014 - 21/01/2016	Coordination of sectional activities
10	Dean (SW)	17/12/2013 -14/07/2015	As per NIT Statutes
11	Chief Warden	14/09/2011 -17/12/2014	Hostel Administration
12	Co-Chairman, COW	15/09/2011 - 17/12/2013	Administration of hostel system, Coordination of Council of Warden, discipline, student amenities, all issues related to on-campus students
13	Associate Dean (SW)	09/04/2012-17/12/2013	Coordination of Student Council activities
14	In charge of WRE Lab	4/2/2010 till further order	Lab organization
15	In charge of AHL Lab	4/2/2010 till further order	Lab organization
16	Hostel Warden	15/07/2009 -13/09/2011	Hostel Administration

Professional Recognition

1. Member, Regional Coordination Committee of NWRC, NIH Jodhpur, Ministry of Jal Shakti, GoI,
2. Member, Australia India Water Centre (AIWC)
3. Member, State Technical Agency, PMGSY-Gujarat, Government of India
4. Member, Academic Council (Senate) of Government College of Engineering, Amravati
5. Member of the Board of Studies, WREMI, M S University, Vadodara (Gujarat).
6. Ex-Adjunct Faculty in Civil Engineering, Sanmati College of Engineering, Washim (2018-19).
7. Member of the Board of Studies, Sandip Institute of Technology & Research Centre, Nashik.
8. Subject Expert for many selection committees.

Consultancy Work

Major consultancy projects completed and ongoing with Surat Municipal Corporation, PMGSY, and private and Government organisations.

International Visits

Britain, Switzerland, Thailand, China, Singapore, Germany, Belgium, France, Italy, Austria, Rome, Malaysia, Sri Lanka, Australia

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