

Curriculum Vitae: Dr. Sanjaykumar M. Yadav



Professor & Dean(AI & Rg)
Sectional Head(WRE),
Civil Engineering
Department of Civil Engineering
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Research Interests

Hydraulics of Alluvial Rivers	Irrigation Planning & Management
Application of Soft Computing Techniques in WRE	Reservoir Operation, Sediments & Sediment Yield and Hydro Power
Surface Hydrology	Sea Water Intrusion & Ground Water Quality Modeling
Hydrodynamics of Natural River	Construction Management

Education in detail

- July 2004–March 2009 : Sardar Vallabhai National Institute of Technology, Surat, Gujarat. (INDIA)
Ph.D. in Civil Engineering (Water Resources Engineering)
Thesis: “Study of Ripple factor for Tapi River”
Thesis Supervisor: Dr. B. K. Samtani
- July 1990–May 1992 : SGU, Surat, Gujarat. (INDIA)
M.E. in Civil Engineering (Water Resources Engineering)
Thesis: “Study of drag and lift coefficient for flat plate and artificially roughened plate.”
Thesis Supervisor: Dr. B. K. Samtani
Percentage of Marks: 76.86% (1st Class)
- Sept 1983–June 1987 : SPU, Surat, Gujarat. (INDIA)
B.E. in Civil Engineering

July 1980–April 1982 : **Percentage of Marks:** 64% (1st Class)
 GHEB, Gandhinagar, Gujarat. (INDIA)
H.S. in Science
Percentage of Marks: 62% (1st Class)

July 1979–Mar 1980 : GHEB, Gandhinagar, Gujarat. (INDIA)
Madhyamik (10th standard) in General
Percentage of Marks: 69% (1st Class)

Employment Record

Name of Employer & place	Designation of post held	Nature of work	Period		Years and Months
			From	To	
Skylark Builder, Baroda	Site In-Charge	Civil work	Feb.`87	Nov.`87	10 Months
Anvin Construction, Baroda	Site In-Charge	Civil work	Nov.`87	June`88	6 Months
Govt. Engg. College, Modasa.	Lecturer (Adhoc)	Academic	Oct.`88	May `89	8 Months
SVNIT, Surat	Professor	Academic	Aug.`89	Till Date	26 Years & 04 Months

Intellectual Property Right

Registration Number: L-53497/2013

Title of Work: Analysis of sediment trapped by slit and beam type check dams: A case study of Saurashtra and South Gujarat region.

Book

1.Dr.S.M.Yadav,Mrs.A.K.Khambete, Urban Storm Drain Designing and Modelling,Excel Publisher,New Delhi.-2013.ISBN:978-93-82880-00-4

Consultancy Experiences

Sr. No.	Name of Work	Year
1	Providing TPI for laying of 600mm dia pipeline on various roads for outlet no. 13 and 14 (Omnagar to Ambica park and Umianagar) in South east Zone (Limbayat) Draft T.P. scheme no.69 (Godadara- Dindoli)	2015
2	TPI for Providing & Laying RCC NP3/NP4 class spigot and socket rubber ring joint pipes for sewerage Network augmentation of Anjana Sewage Pumping Station in South East Drainage Zone.	2015

3	Vetting/Proof Checked the designing for ‘Augmentation Water Supply Scheme of Moti Daman Based on Bhamti Branch Canal of Madhuban Dam.’	2015
4	Providing and Laying Drainage lines of R.C.C. NP3/NP4 class in Navagam area in East Drainage Zone Under old City Sewerage Network Augmentation, Surat.	2015
5	Proof Checking of Hydraulics for Major and Minor bridges.	2015
6	Providing and laying drainage line of R.C.C.Np3/NP4 class pipe having spigot and socket rubber ring joint in T.P.Scheme No-28(Althan-Bhatar)Azadnagar, Rasulabad in S.W.Z. under area of Surat City.	2015
7	Construction of Retaining wall (Wing Wall) for existing R.C.C. Culvert on Priyanka Khadi in D.T.P.S. No.62 (Dindoli-Bhedwad-Bhestan) in S.E.Z. (Limbayat)	2015
8	TPI for Providing erecting commissioning of flood control gates for Outlet-2, at Motavarachha in East Zone.	2015
9	Providing Laying and constructing storm drainage R. C. C. pipes of 300mm to 900 mm dia, making inlet chambers and manhole at various areas of South West (Athwa) Zone.	2015
10	Providing Third Party Inspection (TPI) for the work of ‘Government Boys Dry Hostel, Surat Building Works’	2015
11	Construction of Retaining wall (Wing Wall) for existing R.C.C. Culvert on Priyanka Khadi in D.T.P.S. No.62 (Dindoli-Bhedwad-Bhestan) in S.E.Z. (Limbayat)	2014
12	Providing TPI for laying of 600mm dia pipeline to fill Dindoli pond in South East Zone (Limbayat) Dra T.P. Scheme no.69 (Goddara-Dindoli).	2014
13	Providing TPI Service for the work of providing and Constructing R.C.C. Storm Water Line for Remaining Network of Outlet-3 in T.P.S. No.61 (Middle ring road final plot no.176/B to Saint krupa Society final plot no. 189,190 and middle ring road final plot no.121/B23 to Sai baba nagar final plot number114/A) in West Zone area of Surat City.	2014
14	TPI for the work of Providing & laying storm drainage line Rcc NP2/NP3 class pipes from Ved main road Viramnagar School to Shivchaya Soc.and till Ved main road Hariom Mill to Shivchaya Society vai Gopinath Society on T.P. road at N.Z. (Katargam).	2014
15	TPI for the work of Providing & Laying Drainage main line from Navsari Bazar char Rasta to Salabatpura SPS in Central Zone.	2014
16	TPI for Providing and Laying RCC Storm drainage line on various road for Outlet No. 7 (From Godadar khadi to Mansarovar Society railway parallel road) in DTPS. No. 69 (Godadara-Dindloi) in S.E.Z. (Limbayat).	2014

17	TPI for laying of 600mm dia pipeline on various roads for outlet no. 13 and 14 (omnagar to Ambica park and Umiyanagar) in S.EZ.(Limbayat) Draft T.P. scheme no.69 (Godadara-Dindoli).	2014
18	Proof Checking of Hydraulics for “Rural Water Networks Components”,Jal Nigam, M P.	2014
19	Providing & Laying R.C.C. NP2/NP3 class pipes for storm water drainage & Constructing Manholes & Inlet Chamber at different areas of S. W.Z. (Athawa)	2014
20	Providing and Laying RCC NP3 class pipes with Spigot socket/rubber ring joint for Sewage Network for remaining area of GODADARA station including Gamtal in S.E.Z.	2013
21	Storm Water Drainage Network Planning and Design for all residential colonies (Existing) along the road leading to Balaji Temple within Silvassa Municipal Council area	2012
22	Design and Re sectioning of Bill Khadi-Vapi	2010
23	Verification of estimate prepared for E-Type Servant Quarter (high-rise building) S.V.N.I.T. Campus, Surat	2007
24	Contour Mapping and plain table survey and Recommendation for Drainage system and Specification of items for SRU of Hazira Plant of ONGC , Surat	2006
25	Construction of two layer chain link fencing around Hazira Plant of ONGC, Surat.	2006
26	Reconstruction/Strengthening of damaged boundary wall of ONGC plant, Hazira, Surat	2006
27	Design of septic tank and seepage pit system for M/s Batliboi Plant Complex at Udhna, Surat	2006
28	Design of storm water drainage system for M/s Batliboi Plant Complex at Udhna, Surat	2005
29	Built-up area calculation for construction of Family Accommodation for CISF & Railway Personnel-Phase II Colony, ONGC, Hazira	2004
30	Preparing estimates for seasoning shed ,furniture shed for Vanil Udyog,Vansada	2002

Teaching and Research Experiences

PhD Awarded

Candidate 1	:	HARSHUL J. PAREKH, DS 09 CE 104 (PEC)[Defance Awaited]
Title	:	Performance Evaluation and Ranking of Municipal Solid Waste Management System
Supervisor	:	Dr. S.M.Yadav ,Dr. K.D.Yadav
Candidate 2	:	DEVANSHU K.PANDIT, DS 09 CE 105 (PEC)[Degree Awarded]
Title	:	To evolve an index to measure project development efficiency
Supervisor	:	Dr. S.M.Yadav

PhD Ongoing

Candidate 1	:	SAHITA IBHOPISHAK WAIKHOM , DS12CE015 (PEC)
Title	:	Study of Sediment Transport Capacity
Semester	:	Six
Supervisor	:	Dr.S.M Yadav
Candidate 2	:	Mrs.PREETI RAMKAR,DS14 CE010 (FIR)
Title	:	Rainfall Runoff Modelling
Semester	:	Second
Supervisor	:	Dr. S.M.Yadav
Candidate 3	:	Mr.BANKIM JOSHI(PEC)
Title	:	Prediction of sediment yield for Ukai reservoir
Semester	:	Second
Supervisor	:	Dr. S.M.Yadav,Dr B K Samtani
Candidate 4	:	Mrs.RUTUJA CHOUDHARI
Title	:	Prediction of inflow using ANN
Semester	:	Five
Supervisor	:	Dr. S.M.Yadav, Dr. J N Patel
Candidate 5	:	Mrs.BHAVANA AJUDIYA
Title	:	Optimisation of water supply for Multiple Resrvoirs
Semester	:	Four
Supervisor	:	Dr. S.M.Yadav
Candidate 6	:	Mr.Kuldeep Patel
Semester	:	One
Supervisor	:	Dr S M Yadav
Candidate 7	:	Ms. Paresha M. Baria
Title	:	Extreme Rainfall Non stationarity Investigations for Tapti Basin
Semester	:	Four
Supervisor	:	Dr.S.M.Yadav

M. Tech Guided

Sr. No.	Name of Student	Title	Year
1	Ms. Heatal Dadhania	Study of Sea Water Intrusion In The Veraval Taluka of Junaghadh District and its Control by Recharge Well Method	2003-04
2	Mr. Chauhan A.R.	Study of Sediment Distribution for Ukai Reservoir and Analyzing Life of Ukai Reservoir	2003-04
3	Mr. Mishra R.C.	Rehabilitation of Earthquake Affected Earthen Dams of Kachchh Region	2004-05
4	Mr.Chaudhari Prashant.	Evaluation of bed load equation	2007-08
5	Mr.Hemant Vasava	Mathematical modeling of salinity ingress –A case study	2008-09
6	Mr.Yogesh Kuwadiya	Design and analysis of Water Supply Network- A case study of SVNIT campus	2009-10
7	Mr Chauhan Pradeep	Seepage Analysis of Un lined Canal : A case study of Kakarapar Canal (Tentative title)	2011-12
8	Mr Kushal Patel	Flood Forecasting for Tapi River (Tentative Title)	2011-12
9	Kalpana Amulakh Shah	The Evaluation of Management Alternative Using Analytical Hierarchy Process and Assessment of Water Supply System Performance of Four Cities of Gujarat	2011-2012
10	Ajudiya Bhavna K.	Water Distribution Network Design and Analysis: Case Study of Village Sokhada	2011-2012
11	Mr.Nisarg V.Patel	Design and Analysis of Water Distribution Network for Utran-Kosad,Surat	2011-2012
12	Mrs. Desai Margi N.	Optimization of Karjan Command Area By Using Linear Programming	2011-2012
13	Jamit Ajay Kumar Kalanbhai	Analysis of Sediment Trapped By Slit and Beam Type Check Dams: A Case Study of Saurashtra and South Gujarat Region	2011-2012

Sr. No.	Name of Student	Title	Year
14	Mrs. Aarti Prabhakar Avalkar	Ground Water Analysis: A Case Study of Valsad and Navsari District	2012-2013
15	Darshan Jayeshbhai Mehta	Geomorphic Channel Design and Analysis Using HEC-RAS Hydraulic Design Functions	2012-2013
16	Jayeshree Hareshbhai Talreja	Estimating the Sediment Transport Capacity of Flumes and Streams Using HEC-RAS and Study the effect of Hydraulic Parameters on Sediment Transport Capacity	2012-2013
17	Daivakshi Dilipbhai Shastri	Study of Sukhi Reservoir Storage Using MLR and ANN Techniques	2012-2013
18	Dhodiya Sumit J.	Analysis of Sediment Trapped By Check Dam of Uchhchhal and Nizar Region	2012-2013
19	Viral D. Patel	Analysis of Sediment Trapped Behind Slit and Beam Type Check Dams: A Case Study of Vansda Taluka	2012-2013
20	Utkarsh Nigam	Fuzzy rule based modeling of operation of spillway gates and reservoir for Ukai dam	2013-2014
22	Ajay R. Patel	One dimensional numerical modeling for flood events using HEC-RAS	2013-2014
23	Kaoustubh Tiwari	One- dimensional numerical modeling of unsteady flow and reservoir sedimentation: A case study of lower Siang project	2013-2014
24	Vipin Kumar Yadav	Analysis of dimensional flow parameters influencing sediment transport rate	2014-2015
25	Prajapati Hilay Naginbhai	Evaluation of total sediment load transport using unit stream power approach for Shetrunji River	2014-2015
26	R. Naveen Kumar	Testing of stream power equation for the computation and prediction of total sediment concentration	2014-2015
27	Shah Manali Sanjay	Analysis of total load transport using microscopic approach for Purna River	2014-2015

Sr. No.	Name of Student	Title	Year
28	Jabbar Yazad Cyrus	Development of total sediment load transport model for Mahi River	2014-2015

Expert Lecture Delivered

Sr. No.	Title of Lecture	Place and Venue
1	People's Participation in Water Resources Project	One day Seminar on Integrated Development and Management of Water Resource organized by Central Water Commission and Civil Engineering Department, S.V.N.I.T., Surat on 24 March 2008.
2	Opportunities in Technical Education	Khatriya Mochi Education Society and sponsored by Manav Seva Trust at Khatriya Mochi Seminar Hall, Nanpura, Surat on 1 June 2008
3	Future of Quantity Surveyor	Shree Tapi Brahmcharyashram Sabha College of Diploma Engineering organized by Civil Engineering Department of S.T.B.S College of Diploma Engineering, Surat, June 06-12, 2008.
4	Application of Mathematical modeling in Fluvial hydraulics.	Application of Mathematical Sciences and soft computing, STTP, ASHD, SVNIT, Surat. December 8 -12, 2009.
5	Velocity distribution over sand roughened flat plates.	Wind energy, STTP, CED, SVNIT, Surat during January 19-23, 2009.
6	Rehabilitation of earthquake affected Tapar dam	One day Seminar on Management of Water Resources organized by Central Water Commission and Civil Engineering Department, S.V.N.I.T., Surat on 27 March 2009.
7	Carrier in Technical Education	Khatriya Mochi Education Society and sponsored by Manav Seva Trust, Navsari, May 2009.
8	Cyclic Activated Sludge Process	STTP on Treatment & Disposal of Waste Waters organized by Chemical & Civil Enng. Department during October 5-9, 2009
9	Contract Management	Civil Project: Development & management organized by CED, SVNIT, Surat during July 20-24, 2009.
10	The Evaluation of Professor as Teacher	Effective Teaching, Co-operative learning, Effective faculty development outcome based education organized by CED, SVNIT, Surat during December 14-18, 2009

Awards/Honors & Scholarships

- Best paper award for the paper entitled "Evaluation of DuBoy's Bed Load Equation using Tapi River Data" presented at National Conference on "Innovations and Applications of Mathematical Modeling Techniques in Engineering System", ADIT, Vallabh Vidya Nagar held on 10th Dec. 2008.
- Best paper award for the paper entitled "Bed load Equation based on Alluvial River Data, India" by "Hari Ohm Ashram Prezit Shri Bhaikaka Inter University Smarak Trust" for the year 2008-2009 in Civil Engineering by Sardar Patel University, Vallabh Vidya Nagar, Gujarat, India.

- Session's best paper award for the paper entitled "Mathematical Relationship between Particle Reynolds Number and Ripple Factor" using Tapi River Data", India at 3rd International Multi Conference on Engineering and Technological Innovations held at Orlando, USA during 29-2 July 2010.
- Received fellowship from Aus Aid, Government of Australia to present paper entitled "Mapping Salinity Ingress Using GALDIT Model" at 13th International River Symposium, Perth, Australia, 11-14 October 2010.
- Received fellowship from Aus Aid, Government of Australia to present paper entitled "Performance evaluation of water supply services in developing country", Rivers in a rapidly urbanizing world at 15th International River Symposium, Melbourne, Australia, 9-11 October 2012.
- Received fellowship from Aus Aid, Government of Australia to present paper entitled "Managing Water through Public Private Partnership", Rivers: Water-Energy-Food at 16th International River Symposium, Brisbane, Australia, 11-14 October 2013.
- Best paper award for the paper entitled "Fuzzy Logic based Operation of Gated Spillway" presented in National conference on "Trends & Challenges of Civil Engineering in Today's Transforming World", at SNPIT & RC, UmraKh, Bardoli, 29th March 2014.

Publications

Articles in International Journals

- [J.1] **S. M. Yadav** and B. K. Samtani, Evaluation and Improvement of Bed Load Formula Using Tapi River Data, India, *Journal of Water Resource and Protection*, 2(3), pp. 245-250, 2010.
- [J.2] **S. M. Yadav** and R. Mishra, Rehabilitation of earthquake affected Chang earthen dam, *International Journal of Research and Reviews in Applied Sciences*, 2(1), pp. 41-46, 2010.
- [J.3] **S. M. Yadav** and B. K. Samtani, An exponential equation for predicting bed load transport rate in Tapi River India, *Ultra Scientist of Physical Sciences – International Journal of Physical Sciences*, 20(3), 2009.
- [J.4] **S. M. Yadav** and B. K. Samtani, Bed load equation evaluation based on alluvial river data, India, *KSCE Journal of Civil Engineering*, 12(6), 2008.
- [J.5] **S. M. Yadav** and B. K. Samtani, High Bed Load Transport in Tapi River, *Global Journal of Environmental Research*, 1(3), 2007.
- [J.6] **S. M. Yadav** and B. K. Samtani, A Case Study of Ripple Factor with Special Reference to Boundary Reynolds number for Tapi River, *World Applied Sciences Journal*, 3(2), , 2008.
- [J.7] **S. M. Yadav** and Aarti Avalkar, Sahita Waikhom, Dr. P. R Mehta, A Study of Ground Water Fluctuation in Coastal Region, Valsad and Navsari District, *Global Research Analysis*, pp.81-85, April-2013.
- [J.8] **S. M. Yadav** and Daivakshi Shastri, B.M Vadher, Estimation of Storage of Sukhi Reservoir Using ANN Techniques, *Global Research Analysis*, pp.1-4, April-2013.
- [J.9] **S. M. Yadav**, Darshan Mehta, Sahita Waikhom, Geomorphic Channel Design and Analysis Using HEC-RAS Hydraulic Design Functions, *Global Research Analysis*, pp.5-8, April-2013.
- [J.10] **S. M. Yadav**, Jayshree Talreja and Sahita Waikhom, Estimating the Sediment Transport Capacity Using HEC-RAS, *Global Research Analysis*, pp.9-14, April-2013.
- [J.11] Prof D.K Pandit and **S. M. Yadav**, Effective Project Controls at Project Development Stage, *International Journal of Scientific Research*, July 2013.
- [J.12] **S.M.Yadav**, Dr.N.P.Singh, Kalpana A. Shah and Jigar H. Gamit, Performance Evaluation of Water Supply Services in Developing Country: a Case Study of Ahmedabad City, *KSCE Journal of Civil Engineering* (Accepted).

- [J.13] Mr.H.J.Parekh,Dr.K.D.Yadav,**S.M.Yadav**,Dr.N.C.Shah, Evaluation of collection and transportation of Municipal Solid Waste Management System in JnNURM cities in Gujarat, India: A Case Study of Ahmedabad, Surat, Vadodara and Rajkot, *International Journal of Scientific Research*, 23/06/2013.
- [J.14] **Devanshu Pandit, S. M. Yadav**, Project Control Factors at Front End: Indian Perspective, *American Journal of Civil Engineering and Architecture*, 2014.
- [J.15] **Parekh, Harshul, Kunwar Yadav, S.M.Yadav, Navinchandra Shah**, Identification and assigning weight of indicator influencing performance of municipal solid waste management using AHP, *KSCE Journal of Civil Engineering*, 2015.

Articles in National Journals

- [J.1] **S. M. Yadav**, Co-efficient Discharge for Double & Triple Cycle Labyrinth Weir, *Journal of Soil & Water Sciences*, 15(2), pp. 07-15, 2010.
- [J.2] **S. M. Yadav**, Estimation of Bed Load by Kalinske's Equation using Tapi River Data, *ISH Journal of Hydraulic Engineering*, 15(3), pp.97-104, 2009.
- [J.3] **S. M. Yadav** and B. K. Samtani, Evaluation of bed load equation using Tapi River data, India, *ISH Journal of Hydraulic Engineering*, 15(1), pp. 1-13, 2009.
- [J.4] **S. M. Yadav** and B. K. Samtani, Evaluation of Meyer Peters Bed-Load Equation Using Tapi River Data, *Journal of Soil and Water Sciences*, 1(2), 2008.
- [J.5] **S. M. Yadav** and B. K. Samtani, An exponential equation for predicting bed load transport rate in sand bed river, *ADIT Journal of Engineering*, 5(1), 2008.
- [J.6] Prof. D.K Pandit and **S.M Yadav**, Efficient Bid Process Management for Project Success, *NICMAR-Journal of Construction Management*, June 2013.
- [J.7] Prof. D.K Pandit and **S.M Yadav**, Need for Better Consultant Selection Procedures, *Civil Engineering & Construction Review*, March 2013.

Articles in International Conference Proceedings

- [C.1] **S. M. Yadav**, Study of Rainfall pattern for Surat, India, *International conference on Sustainable Water Resources Management and Climate Change adaptation (SWRMCCA)*, National Institute of Technology, Durgapur, West Bengal, India, February 17-19, 2011.
- [C.2] **S. M. Yadav**, Study of Particle Reynolds number and Ripple factor for Tapi River, India, *International Conference on Rivers 2011*, Penang, Malasiya, December 09-11, 2011.
- [C.3] **S. M. Yadav**, Case study of Narmada main canal based drinking water supply project: Issues and challenges, *5th International Conference on Sustainable Development and Planning*, NEW FOREST, UK, July 12-14, 2011.
- [C.4] **S. M. Yadav**, Sea water Intrusion Mapping using GALDIT Model, *Second International Conference on Coastal Zone Engineering and Management (Arabian Coast 2010)*, Sultan Qaboos University, Sultanate of Oman, Muscat, Oman, November 1-3, 2010.
- [C.5] **S. M. Yadav**, Mapping Salinity Ingress Using GALDIT Model, *13th International River Symposium*, Perth, Australia, October 11-14, 2010.
- [C.6] **S. M. Yadav**, Mathematical relationship between Ripple factor and shear velocity Reynolds number for Tapi India, *11th International Symposium on River Sedimentation(ISRS)*, Stellenbosch, South Africa, September 06-09, 2010.
- [C.7] **S. M. Yadav**, Sea Computation of ripple factor and particle Reynolds number using Tapi river data, India, *Ninth International Conference on Hydro-Science And Engineering*, CED,IIT Madras, Chennai, India, August 02-05, 2010.
- [C.8] **S. M. Yadav**, Mathematical Relationship between Particle Reynolds Number & Ripple Factor, *3rd International Multi Confrence on Engineering and Technological Innovations*, Orlando, Florida,USA, July 29-30, 2010.

- [C.9] **S. M. Yadav**, Rehabilitation of earthquake affected Tapar dam, Gujarat, India, *12th International Conference of International Association for Computer Methods and Advances in Geomechanics*, Goa organized by IITB, Mumbai, October 01-06, 2008.
- [C.10] **S. M. Yadav**, Variation Effect of Particle Reynold's number on Ripple factor for Tapi river, *Third International Groundwater Conference (IGC-2007) on Water, Environment and Agriculture-Present problems and Future Challenges*, TNAU, Coimbatore, February 07-10, 2007.
- [C.11] **S. M. Yadav**, Modifying Bagnold's equation and determining ripple factor for monsoon season, Savkheda Gauging station of Tapi river., *Modifying Bagnold's equation and determining ripple factor for monsoon season, Savkheda Gauging station of Tapi river*, IWTC-2008, Alexandria-Egypt, March 27-30, 2008.
- [C.12] **S. M. Yadav** Rehabilitation of earthquake affected Kaswati Dam,Gujarat,India, *11 th International Conference on Inspection, Appraisal, Repair and Maintenance of Structures (RB07)*, CI-premier ltd ,North Cyprus, November 14-17,2007
- [C.13] **S. M. Yadav**, Bed load transport rate correction for Tapi river., *International Workshop on Complex Systems in Fluid Flows and sedimentation processes*, Indian Statistical Institute-Kolkata, August 27-31,2007
- [C.14] **S. M. Yadav**, Variation effect of Reynolds no. on Ripple factor for Tapi river, *International conference on Hydrology and Watershed Management*, JNTU Hyderabad, December 05-08, 2006.
- [C.15] **S. M. Yadav**, Construction of hundreds of check dams – a joint effort to solve water scarcity problems of Saurashtra and Kachchh region by public participation, *International conference on Public Private Partnership in Water Sector*, Nagpur, November 10-11,2006
- [C.16] Prof. D.K Pandit and **S. M. Yadav**, Identification of Project Development Factors using Factor Analysis (Poster presentation), *International Conference on Applied Mathematics and Statistics, Gujarat University, Ahmedabad*, 17-18 December 2011.
- [C.17] Mr.H.J.Parekh, Dr.K.D.Yadav, **S.M.Yadav**, Dr.N.C.Shah, “Comparison of municipal solid waste management system in world's two fastest growing cities for better tomorrow: A Case Study of Surat and Kabul”, *4th International congress of Environmental Research*, SVNIT, Surat, 17-12-2011.
- [C.18] H.J.Parekh, Dr.K.D.Yadav, **S.M.Yadav**, Dr.N.C.Shah, “Comparison of Municipal Solid Waste Management System in Developing Countries: A Case study of Ahmedabad, Surat and Kabul”, *International Conference on Civil Engineering and Infrastructural Issues in Emerging Economies*, Sastra University, Thanjavur, Tamil nadu, India Deakin University, Australia, 27 – 28 February 2013.

Articles in National Conference Proceedings

- [C.1] **S. M. Yadav**, Solid Waste Management System: A Case Study of Navsari Town, Gujarat, India, *National Conference on New Horizons for Suistanable Tommorrow*, SCET,Surat (Gujarat),India, February 18-19, 2011.
- [C.2] **S. M. Yadav**, Rehabilitation of Butta Dam – A case study, *National Conference on Hydraulics, Water Resources, Coastal and Environmental Engineering*, M.M.University, Mullana, Ambala, December 16-18, 2010.
- [C.3] **S. M. Yadav**, Case Study: Estimation of probable maximum precipitation for Surat, *National Conference on Hydraulics, Water Resources, Coastal and Environmental Engineering*, M.M.University,Mullana, Ambala, December 16-18, 2010.
- [C.4] **S. M. Yadav**, Sea Computation of ripple factor and particle Reynolds number using Tapi river data, India, *Ninth International Conference on Hydro-Science And Engineering*, CED,IIT Madras, Chennai, India, August 02-05, 2010.
- [C.5] **S. M. Yadav**, Water supply Management in SVNIT campus through mixed usage of fresh and saline water, *National Seminar on Conservation of Lakes and Water Resources: Management Strategies*, Maharana Pratap University of Agriculture and Technology, Udaipur, February 19-20, 2010.

- [C.6] **S. M. Yadav**, Conservation of fresh water through mixed usage of saline and fresh water –A case study of SVNIT Campus, *National seminar on Water and Sanitation for all, 42nd Annual Convention of IWWA*, Jodhpur, January 29-31, 2010.
- [C.7] **S. M. Yadav**, Study of Shields Entrainment Function (Monsoon) for river Ambika of South Gujarat, *National Conference on Hydraulics, Water Resources and Environment, HYDRO 2009*, CWPRS, Pune, December 15-16, 2009.
- [C.8] **S. M. Yadav**, Study of Ripple factor and Boundary Reynolds number for Post monsoon, Tapi river, India, *The National Specialty Conference on River Hydraulics*, Mullana and Indian Society for Hydraulics at Maullana, October 29-30, 2009.
- [C.9] **S. M. Yadav**, Mathematical relationship between ripple factor and boundary Reynolds number for Tapi river, India, *Innovation without limits (CEC-09)*, Civil engineering Department, Hamirpur, September 18-19, 2009.
- [C.10] **S. M. Yadav**, Estimation of Bed Load by Kalinske's equation using Tapi river data, *Innovation without limits (CEC-09)*, Civil engineering Department, Hamirpur, September 18-19, 2009.
- [C.11] **S. M. Yadav**, Mathematical model for Labyrinth single cycle Trapezoidal weir, *National Conference on Hydraulics, Water Resources and Environment, HYDRO 2008*, MNIT, Jaipur, December 15-16, 2008.
- [C.12] **S. M. Yadav**, Evaluation of Duboy's Bed load equation using Tapi river data, *National Conference on Innovations and Applications of Mathematical Modeling Techniques in Engineering Systems*, ADIT, V V Nagar, December 10, 2008.
- [C.13] **S. M. Yadav**, Evaluation of Kalinske's Bedload Equation *National Conference on Integrated Water and Wastewater Management (IWWM-2008)*, Jadavpur University, Kolkata, November 20-22, 2008.
- [C.14] **S. M. Yadav**, Evaluation of Kalinske's equation using Tapi river data, *Indian National Conference on Advances in Hydraulic Engineering with specific emphasis on Model-Prototype conformity*, CWPRS, Pune, November 6-7, 2008.
- [C.15] **S. M. Yadav**, Modifying E.Brown's equation and determining Ripple Factor for Pre Monsoon Season, Sarangkhedga Gauging Station of Tapi River, *National Conference on Advances in Civil Engineering organized*, Maharashtra Academy of Engineering Education and Research's Institute of Technology, Pune, 2008.
- [C.16] **S. M. Yadav** and B.K.Samtani, Modifying Bagnolds Equation and determining Ripple Factor For Monsoon Season, Savkheda Gauging Station of Tapi River, *2nd National Conference on Focusing on Advances in Civil Engineering*, Thangal Kunju Musaliar College of Engineering, Kollam, Kerala, February 21-23, 2008.
- [C.17] **S. M. Yadav** and B.K.Samtani, Modifying Bagnolds Equation and determining Ripple Factor for Pre Monsoon Season, Savkheda Gauging Station of Tapi River, *National Seminar on Application of GIS in Civil Engineering*, Karunya University, Coimbaore, TamilNadu, India, February 16, 2008.
- [C.18] **S. M. Yadav** and B.K.Samtani, Modifying Shields Equation and determining Ripple Factor for Monsoon Season, Savkheda gauging Station of Tapi River, *National Seminar on Integrated Water Management and Sustainable Water Pricing (IWMSWP-200)*, Rajasthan Technical University, Kota, February 08-09, 2008.
- [C.19] H. G. Bavishiya, **S. M. Yadav** and B. K. Samtani, Effects of Sea Water Intrusion and its Control by various Surface spreading Method for a Coastal Area of Saurashtra Region, *Hydraulics and Water Resources, National Conference on Hydraulics & Water Resources HYDRO-2007*, SVNIT, Surat, December 21-22, 2007.
- [C.20] H. G. Bavishiya, **S. M. Yadav** and B. K. Samtani, Effect of Multiple Well Recharging on Sea Water Intrusion, *Hydraulics and Water Resources, National Conference on Hydraulics & Water Resources HYDRO-2007*, SVNIT, Surat, December 21-22, 2007.
- [C.21] B.J. Mahida and **S. M. Yadav**, Effect of Impervious Barrier on Salt Water Intrusion, *Hydraulics and Water Resources, National Conference on Hydraulics & Water Resources HYDRO-2007*, SVNIT, Surat, December 21-22, 2007.
- [C.22] **S. M. Yadav** and B.K.Samtani, Modifying E. Browns Equation and Determining Ripple Factor for Monsoon Season, Savkheda Gauging Station of Tapi River, *Hydraulics and Water Resources*,

National Conference on Hydraulics & Water Resources HYDRO-2007, SVNIT, Surat, December 21-22, 2007.

- [C.23] H. D. Dadhania, **S. M. Yadav**, B. K. Samtani and G. D. Kale, Experimental study of effect of increase of recharge on sea water intrusion, *National Conference on Emerging Trends In Civil Engineering*, Engineering College, Tumkur, May 22-23, 2007.
- [C.24] K. A. Chauhan, N. C. Shah and **S. M. Yadav**, A Case Study on Housing affordability Based on Area Vs Income for Three Nodes of Surat Urban Area, *National Conference on Soft computing Techniques*, Govt. College of Engineering, Ujjain, March 20-21, 2007.
- [C.25] **S. M. Yadav** and B. K. Samtani, Variation Effect of Shear Velocity Number on Ripple Factor for Tapi River, *National Conference on Soft computing Techniques*, Govt. College of Engineering, Ujjain, March 20-21, 2007.
- [C.26] **S. M. Yadav** and B. K. Samtani, Case study of Hydraulic Geometry of Sarangkhedda Station of Tapi River, *National Conference on Emerging Technology and Developments*, Govt. College of Engineering, Amaravati, March 22-23, 2007.
- [C.27] H. D. Dadhania, **S. M. Yadav** and B. K. Samtani, Experimental study of effect of increase of recharge on sea water intrusion, *National conference on Civil Engineering: Advancement and Challenges*, Mullana M. Engineering college, Ambala, Haryana, March 07-08, 2007.
- [C.28] **S. M. Yadav**, H. G. Bavishiya and B. K. Samtani, Sea Water Intrusion and Its Control By Surface Spreading Method for Kodinar Taluka of Saurashtra Region, *National Conference & Exhibition on Civil Engineering: Meeting the Challenges of Tomorrow (CEMET:2006)*, Guru Nanakdev Engineering College, Ludhiana, Punjab, November 24-25, 2006.
- [C.29] Prof. D.K Pandit and **S. M. Yadav**, Consultant Selection in India : Far from Ideal, *Emerging Trends in Contracts and Dispute Resolution*, Indian Institute of Technical Arbitrators, Chennai, 2-3 March 2012.
- [C.30] Prof. D.K Pandit and **S. M. Yadav**, Performance Indicators for Measuring Performance of Construction Projects, *Symposium on Sustainable Infrastructure Development*, IIT Bhubneswar, Orissa, 8-9 February 2013.
- [C.31] Mr.H.J.Parekh, Dr.K.D.Yadav, **S.M.Yadav**, Dr.N.C.Shah, Solid Waste Management System: Case study of Navasari town, *National Conference on 'Sustainable Tomorrow'*, SCET , Surat, 19th Feb. 2011.
- [C.32] Mr.H.J.Parekh, Dr.K.D.Yadav, **S.M.Yadav**, Dr.N.C.Shah, "Role of Refuse Transfer Station in Modern Solid Waste Transportation Systems", *Workshop and Symposium on sustainable Infrastructure Development (SID)*, IIT Bhubaneswar, Odisha, India, 8-9 February 2013.
- [C.33] **S.M.Yadav**, "Solid Waste Management System: Case study of Navasari town", *National Conference on 'Sustainable Tomorrow'*, SCET , Surat
- [C.34] **S.M.Yadav** , "Role of Refuse Transfer Station in Modern Solid Waste Transportation Systems", *Workshop and Symposium on Sustainable Infrastructure Development(SID)* IIT Bhubaneswar Odisha, India.

Reviewer – Journal

- Indian Society of Hydraulics- Journal of Hydraulic Engineering
- International Association for Computer Methods and Advances in Geo-mechanics Conference, Goa
- Indian Journal of Water and Waste Water Association
- Global Journal of Environmental Research (Chief Associative Editor)
- International Journal of Sediment Research, China
- Journal of Soil and Water Sciences, ICFAI University Press, Hyderabad
- Journal of Civil Engineering, ICE, Thomas Telford, London (Panel member)

Professional Affiliations

- Life Member, Indian Society for Technical Education ,New Delhi, India
- Life Member, Institute of Engineers, Calcutta, India
- Life Member , Indian Water Works Association , Bombay, India
- Life member, ISH, Pune, India
- Life member, IASWC, Dehradun, India
- Life member, IVS, Delhi, India
- Life member, IUTP, Delhi, India
- Member, World Association of Sedimentation and Erosion Research, Beijing, China.
- Life member, Association of Hydrologists of India, Hyderabad.
- Member, International Association of Hydraulic Engineering and Research (IAHR), Madrid, Spain.
- Life member, Association of Wind Engineering, Roorkee.

General Information

- **Surname, First Name:** YADAV, Sanjay kumar M.
- **Sex:** Male
- **Date and Place of Birth:** 13 June, 1965 in Bodeli, Vadodara, Gujarat, INDIA
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- **Nationality:** INDIAN
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Supplementary information

Winter Summer School/Training

Sr. No.	Details	Duration
1.	Application orientation in Engineering Mathematics and Mathematical Modeling, organized by ASHD, SVNIT, Surat	December 26-30, 2006
2	Fuzzy set theory & its Application in Civil and Environmental Engineering, organized by CED, SVNIT, Surat	January 08-13, 2007
3	Management capacity development program For Future Managers, EQUATE SVNIT, Surat	February 04-08, 2008
4	MIKE 11 Training course, SVNIT, Surat	May 05-09, 2008
5	Applications of mathematical sciences and soft computing	December 08-12, 2008
6	Urban infrastructure and services: Planning and implementation, SVNIT, Surat	January 05-09, 2009
7	Pavement design and management system SVNIT, Surat,	January 2009
8	Advances in water resources engineering, SVNIT, Surat	December 22-26, 2008
9	Treatment and disposal of Waste waters, SVNIT, Surat	October 05-09,2009
10	Engineering Drawing Using CAD, SVNIT, Surat	November 23-27, 2009
11	Urban Infrastructure Development and Finance Management, SVNIT, Surat	February 15-19, 2010

Research Project

Sr. No.	Details	Duration
1.	Need for development of water resources and flood management centre, <i>National Co-ordinate project(NCP)</i>	3 years
2	Erosion of non uniform unimodal and bimodal sediments, <i>Department of science and technology(DST)</i>	3 years
3	Mapping and monitoring of water resources data and modeling water system in selected watershed, <i>NRDS</i>	3 years

Technical Visits

- N.M. Sadguru Foundation, Dahod
- Water Treatment Plant, Surat
- Narmada dam and Ukai Dam
- Ambaji (Contour survey project)
- For the subject of Estimation and specification every year technical visits are arranged since last 10 years
- For the subject of Professional Practice every year technical visits are arranged since last 5 years
- Member, Technical Tour, Final year, PDDC (Civil),2006-07

Organization skills

- Coordinator for Workshop on Watershed Management organized by CED, SVNIT, Surat on 23 May 2011.
- Coordinator for Seminar on Water Resources Development and Management on the occasion of World Water Day 2011 organized by CED, SVNIT, on 28 March 2011.
- Coordinator for Three day workshop on Urban Storm Drainage Designing and Modeling organized by CED, SVNIT and Sponsored by BVM, VV Nagar during 7-9 January 2011.
- Coordinator for AICTE Sponsored Staff Development programme on Civil Project: Development and Management during 20-24 July 2009.
- Coordinator for Seminar on Water Resources: Issues and Challenges organized by Institute of Engineers(I), Surat on 30 March 2009
- Coordinator for Seminar on Water Resources Management organized jointly by CWC and CED, SVNIT, Surat on 27 March 2009.
- Coordinator for AICTE Sponsored Staff Development programme on Wind Energy during 19-23 January 2009

Declaration

I hereby declare that all the information above is complete and true to the best of my knowledge and belief.

Place: SVNIT, Surat

Date: **January 2016**

(Dr. SANJAY KUMAR M. YADAV)