

RESUME



Personal Information

Full Name:	Dr. LAKSHMANAGOUDA G. PATIL		
Designation:	Associate Professor and Head of Civil Engineering Department SGGS Institute of Engg. & Tech., Nanded. (M.S.)		
Date of joining:	06-11-1995	Date of birth:	20-05-1968
Local address/ Permanent address: Plot No-59, Konark Vihar, Pharande Nagar, Wadi Road, Nanded-431605			
Phone:	Office: 02462 229386	Res: 02462 266591	Mobile :09423441831
E-mail:	lgpatilnanded@yahoo.com , lgpatil@sggs.ac.in		

Academic Qualifications:

Exam Passed	University/ Institution	Year	Branch/ Specialization	Class/ Division	Overall %age of marks
B.E. (Civil Engg)	B.V.B. College of Engg and Tech. Hubli. Karnataka University	1989	Civil Engg	First Class	65.6%
M.Tech	Regional Engineering College. (NIT) Surathkal	1991	Hydraulics and Water Resources Engg.	First class with Distinction	79%
Ph.D	IIT Bombay, Mumbai	20Feb 2006	Civil Engineering (Hydraulics):” <i>PERFORMANCE OF JET FLOCCULATORS: A COMPARATIVE STUDY</i>		

Employment Data:

Name of Employer	Period		Designation
	From	To	
Karnataka National Institute of Technology (K. NIT), Surathkal.	02-04-91	11-05-91	Asst. Lecturer
D.Y.Patil College of Engg, Pimpri, Pune.	28-05-91	10-03-93	Lecturer
Central Water & Power Research Station. Khadakhwasla, Pune	11-03-93	03-11-95	Research Assistant
Shri Guru Gobind Singhji Institute of Engg & Tech. Nanded	06-11-95	06-11-2000	Lecturer
Shri Guru Gobind Singhji Institute of Engg & Tech. Nanded	06-11-2000	12-11-2005	Sr. Lecturer
Shri Guru Gobind Singhji Institute of Engg & Tech. Nanded	12-11-2005	23-03-2006	Selection Grade
Shri Guru Gobind Singhji Institute of Engg & Tech. Nanded	23-03-2006	23-03-2009	Assistant professor
Shri Guru Gobind Singhji Institute of Engg & Tech. Nanded	12-11-2008	Till today	Associate Professor

Total Teaching experience: For UG: 25Years
For PG: 23 Years

Total Industrial/Research experience: Central Water Power Research Station, Pune (2 Years 8 Months)

Patents:

Patent has been filed and published in journal. The examination of claims by experts is going on.

Patent APP.No:2857/MUM/2014

Title of The Invention: Design guidelines for rapid mixer of WTP using water jet

Administrative Positions Held:

Working as a Member of IQAC of our institute.

Working as Head of Civil Engineering department since 9th April 2019

Coordinator for Extension of autonomy during 2017

Worked as a **Dean Academic** from 16/11/2015 to 12/08/2016

Working as Institute level time table in-charge from 22/05/2015 to till today

Worked in a committee responsible for the branch transfer during 2014 and 2015

Working as Secretary of Academic monitoring committee during 2015-16.

Chairman of Academic cell –under the TEQIP-II with effect from 01-12-2015 to 12/08/2016.

Worked as a **Controller of Examination** of SGGSI&T., during 06/05/2011 to 24/07/2013

Worked as a **Associate Controller of Examination** during 09/07/2010 to 06/05/2011

Worked in many committees meant for revising rules and regulation related to Examination.

Worked as M.Tech Coordinator for three turns (total of 6 years)

University Nominee on Building Committees of various Colleges for SRTMU, Nanded

Projects Completed:

- ❖ Third party technical audit of Water retaining structures around Nanded under JSY. Amount:15,00,000
- ❖ Title: Formulation of Design Guidelines for Jet Assisted Coagulation Unit of WTP Using Experimental and Computational Fluid Dynamics (CFD) Approach
Details: Category: RPS- C type, Sanctioned Amount: 08 Lakhs (Eight Lakhs)
- ❖ Title: Design of water supply system to the newly constructed colony at NPTP, Parli-Vajnath. Amount: Rs.16,500/-
- ❖ Title: Verification of hydraulic design of water treatment plant, Bhokar, Amount:Rs.40,000
- ❖ Title: Third party technical audit (TPTA) in and around Nanded, Amount: Rs. 8,50,000
- ❖ Title: “ Study of existing water supply to Walooore water supply” Amount:Rs.15,000
- ❖ Title: “Study of variation in the carrying capacity of proposed pipeline system – right bank canal- Lendi Project” Amount Rs.30,000
- ❖ Worked in 7 client sponsored (Appox. Rs. 30,00,000) projects at Central Water & Power Research Station, Pune as a Research Assistant.

Technical Publications: Total= 18 nos

International and National Journal (09paper + 01discussion)

Dr.L.G. Patil and Jadhav S S (2017), “Performance evaluation of Stepped Spillway Under Nappe Flow Conditions”, International Advance Research Journal in Science, Engineering and Technology”, Vol.4, Issue no.1 January 2017

Dr.L.G. Patil and Laxmikant Bhosikar (2016) “Discharge Coefficient for Sharp-Crested Side Sluice Gate in Rectangular Channel“, Journal of Indian Water Works Association, Nov 2016

Dr. L. G. Patil , Amol M. Kode (2016) “Analysis of Side Sluice in Trapezoidal Channel”, International Journal of Application or Innovation in Engineering & Management, ISSN 2319 – 4847, Volume 5, Issue 5, May 2016

Jyotiprakash G. Nayak and **Dr. L. G. Patil (2016)** “Assessment of Water Quality of Godavari River at Nashik, Maharashtra, India” **International Journal** of Civil Engineering and Technology (IJCIET) Volume 7, Issue 1, Jan-Feb 2016, pp. 83-92.

Desai R.J. and **Patil L. G. (2015)** “Performance Comparison of Various Labyrinth Side Weirs”, **International Journal** of Application or Innovation in Engineering and Management, June 2015, Vol.4, Issue.6, pp:68-73

Bhore Sagar M. and **Patil L.G (2015)** “Water Resource Analysis and Potential Evaluation of Bhima Basin in Maharashtra (GIS Approach)”, **Journal** of Water Resources Engineering and Management, May 2015, Vol.2 Issue.2, pp:33-47

Bhore Sagar M. and **Patil L.G (2015)** “Potential Evaluation of Water Resources in Krishna Basin in Maharashtra”, **International Journal** of Remote Sensing & Geosciences. May 2015 Vol.4, Issue.3, pp:59-67

Jyotiprakash G. Nayak and **Patil L.G. (2015)** “A comparative Study of Prevalent Water Quality Indices in Streams”, **International Journal** of Engineering and Advanced Technology, Feb 2015, Vol.4, Issue.3, pp:208-212

Pani. B.S and **Patil L.G. (2007)** “Single-Basin Jet Flocculators”, **Journal** of Hydro-Environmental Research., IAHR, Asia Pacific Divion, July.2007, Vol.1. pp: 20-27

Pani B. S. and **Patil L. G., (2003)**, “Discussion of : An Experimental study on turbulent circular wall jets by Adrian Wing-Keung Law and Herlina”, **Journal** of Hydraulic Engineering, ASCE, September 2003, pp: 738-740.

International/National Conference (07):

Jyotiprakash G. Nayak and **Dr. L. G. Patil (2017)**, “Utilization of prevalent Western W.Q.I in Indian Scenario: Limitations and Prospects” , **International conference** on “Recent Advances in Civil and Environmental Engineering (RACEE-2017), held during 4th -5th March 2017 at WCE Sangli, pp:160-165

Bhore Sagar M. and **Dr. L. G. Patil (2017)**, “Piped Irrigation Water Distribution Sysytem for Lift Irrigation Schemes”, **International conference** on “ Technological Advances in climate – Smart Agriculturae and Sustainability” held during 16th – 18th January 2107 at SGGSI&T., Nanded. pp:176-179

Patil L. G. and Kalaskar (2011), “Comparative study of natural coagulants”, National Conference on Water For future, Held on 25-26th Feb 2011, at SGGSI&T., Nanded,

Patil L. G. and Kanchangire (2006), “Rapid mixing in water treatment plant by water jet”, Hydro-2006, International Conference held on 8th -9th December, Pune. pp: 330-336

Patil, L. G. and Pani, B. S., (2005), “Dual Basin Jet Flocculator”, 17th Canadian Hydro-technical Conference, Edmonton, **Alberta**, 17-19th August, pp: 799-807

Patil L. G. and Pani B. S., (2004), “Helicoidal Flow Jet Flocculator”, 4th International Symposium on Environmental Hydraulics and 14th Congress of Asia and Pacific Division,

International Association of Hydraulic Engineering and Research, 15-18 December, 2004, **Hong Kong, China**

Patil, L. G. and Pani B. S., (2002), “Application of CFD in the study of jet flocculator”, Conference on Hydraulics, Water Resources and Ocean Engineering, HYDRO-2002 **International Conference held in IIT Mumbai**, Dec.16-17, 2002, pp: 404-408

Balkrishna S. and **Patil L. G.**, (1995) “Mathematical Model to Study Sedimentation in Navigational Channel.” Forth International Conference on Coastal & Port Engg in Developing countries. COPEDEC –IV. Held at **Rio. De. Janeiro. Brazil-25th to 29th Sept.1995**

Ram Murthy K and **Patil L. G.**, (1991) “A planning Model for a Hydro-system.” National Seminar on “Recent Trends in Water – Resources” Held at IIT Kanpur, 9th Feb 1991

Short Term Courses Attended:

AICTE/ISTE approved Short courses:

Course Title	Duration
“Emerging Frontiers in Civil Engineering”, Under TEQIP-II, held Dept. Of Civil Engineering, SGGSI&T., Nanded	One week 22-06-2015 to 26-06-2015
“Mathematical and Statistical Foundation to Signal and Processing” under TEQIP, held at SGGSI&T., Nanded	Two week 28-05-2015 to 06-06-2015
“Fundamentals and Advances in Artificial Neural Networks”, faculty development Program under TEQIP, held at SGGSI&T., Nanded	One week 09-06-2014 to 13-06-2014
“Fluid Mechanics”, Two Week ISTE Workshop on under National Mission on Education on Education Through ICT, Conducted by IIT Kharagpur and MGM’s College of Engineering, Nanded.	Two week 20-05-2014 to 30-05-2014
“Emerging Trends in Nanoscience and Nanotechnology” Interdisciplinary Faculty Development program, STTP under TEQIP, held at SGGSI&T., Nanded	One week 06-08-2013 to 10-08-2013
“Research Methodology: Tools & Techniques” Interdisciplinary Faculty Development program, STTP under TEQIP, held at SGGSI&T., Nanded	One week 11-03-2013 to 15-08-2013
“Analytical Techniques for Applied Research” STTP under TEQIP, held at SGGSI&T., Nanded	One week 21-01-2013 to 25-01-2013
“Liner Algebra and Its Applications” Under TEQIP held at SGGSC&T, Nanded	Two Weeks 21-05-2012 to 02-06-2012
“Recent Advances in Speech, Image & video processing” AICTE sponsored staff development programme on Recent Advances in Speech, Image & Video Processing” held at SGGSC&T, Nanded	Two week 12-12-2011- 23-12-2011
Emerging Trends in Solids Waste Management” Under IIP cell held at SGGSC&T, Nanded	One day 05-04-2009

“Quality assurance in Technical Education” under TEQIP held at SGGSC&T, Nanded	Three days 4 th to 6 th May 2006
“Water Management: Basic Principles and Interdisciplinary Approach” Held at SGGSC&T, Nanded	Two weeks 25-06-2001 to 07-07-2001
“Computer Applications in Systems Engineering” Held at SGGSC&T, Nanded	Two weeks 21-05-2001 to 02-06-2001
“Programming with C and C++” Held at SGGSC&T, Nanded	Three weeks 29-06-2000 to 19-07-2000
“Systems Engineering Technique and Applications” Held at SGGSC&T, Nanded	Two weeks 18-06-2000 to 28-06-2000
“Neuro-Fuzzy and Expert System Applications in Civil Engineering” Held at Department of Civil Engg., Osmania University, Hyderabad.	Two weeks 03-01-2000 to 13-01-2000
System Techniques and Applications to Civil Engg. Problems ” Held at B.L.D.E.A’S.V.P.Halakatti College of Engg and Tech. Bijapur.	Two weeks 28-12-1998 to 9-1-1999
“Advances in Civil Engineering Practices” Held at SGGSC&T, Nanded	One week 16-03-98 to 21-03-98
“Industry Institute Partnership” Held at SGGSC&T, Nanded	One week 03-03-97 to 08-03-97
“Water Resources Planning” Held at SGGSC&T, Nanded	One week 17-02-97 to 22-02-97
Course on “Built Environment” Organized by CWIT and Govt. College of Engg, Pune	One week From 1-7-91 to 6-7-91

Continuing Education Programs attended: AICTE SPONCERED

“Fundamentals of Fluid Mechanics Through Experiments” Continuing Education and QIP, IIT Bombay, Mumbai	One week 22-12-2014 to 26-12-2014
“Turbulent Jets and Plumes: Theory and Applications” Continuing education and QIP course held IIT Bombay	One week 14-01-2013- 18-01-2013
“Sediment Transport and River Engg” Continuing education and QIP course held IIT Bombay	One week 9-12-2013 to 13-12-13
“Hydraulics and The Environment” Continuing education and QIP course held IIT Bombay	One week 1-08-2011- 05-08-2011

Membership of Professional bodies

Sr No	Organization	Status
1	Indian Society for Hydraulics	Life member LM-585
2	Indian Society for Technical Education	Life member LM-23033

List of short term courses/seminar/conference organized

Coordinator for one-week AICTE sponsored QIP short term course on “**Overview of Structural Design Industry and Design of Buildings using Software**” during 25th May 2019 to 29th May 2019

Coordinator for one-week AICTE sponsored QIP short term course on “**Fundamentals of Fluid Mechanics**” 1st to 5th January 2018.

Coordinator for Two day workshop on “**Dimensional Analysis and Boundary Layer**”, held on 20th and 21nd Feb 2015 at SGGSI&T. under TEQIP-II, FDP, Nanded

Coordinator for One day workshop on “**Application of Specific energy/specific force concept in OCH**” held on 22nd Feb 2014 at SGGSI&T. under TEQIP-II, FDP, Nanded

Coordinator for Two days workshop on “**Fluid Mechanics**” held on 21st and 2nd Feb 2013 at SGGSI&T. Under TEQIP, Nanded

Joint-coordinator for National Conference “**Water for Future-2011**” held 25-26th Feb 2011

Coordinator and resource person in a short-term course (one week) on “**Research Trends in Hydraulics and Water Resources Engineering**” under TEQIP. 24th to 28th January 2006

Coordinated four day training programme for B.Tech students. Title: Software training – Project Management and Structural Engineering during 3-7th Dec.2007.

Additional relevant information:

❖ Resource person:

- i) Resource person in one-week course on “**Advances in Water Engineering**” QIP-AICTE Sponsored course held at SGGSI&T., Nanded, during 11 to 15 March 2019
Lecture on: “**Jet flocculator**”
- ii) Featured Speaker at the **International conference on “Recent Advances in Civil and Environmental Engineering (RACEE-2017), held during 4th -5th March 2017 at WCE Sangli**, and delivered the talk on “**Use of Turbulent Jet in Water Treatment Plant**”
- iii) **Session co-chair for the International conference on “Technological Advances in climate – Smart Agriculture and Sustainability”** held during 16th – 18th January 2107 at SGGSI&T., Nanded.
- iv) Resource person in one-week course on “**Advances in Drinking Water Technology and Solar Energy**” TEQIP-II held at SGGSI&T., Nanded, during 20-25 Dec 2016.
Lecture on: “**Rapid Mixing of coagulant**”
- v) Resource person in One-week course on “**Emerging Frontiers in Civil Engineering**” TEQIP-II, held at SGGSI&T., Nanded, during June 22-26,2015.

- vi) Resource person in one-day training program for young teachers (Young Teachers Orientation Program 2013, YTOP-13) title of lecture: “Examination System, and grading of students” held on 20th July 2013
- vii) Resource person in QIP course held at IIT Bombay title: “Turbulent Jets and Plumes: Theory and Applications” during 14-01-2013- 18-01-2013
- viii) Expert lecture on “Application of jet in rapid mixing” For M.Tech Students of WCE Sangli on 5th October 2012
- ix) Main speaker for Workshop on “Grading System at SGGSIE&T.,” held at Walchand College of Engineering, Sangli, on 5th October 2012
- x) Resource person in QIP course held at IIT Bombay title: “Hydraulics and Environment” 1/8/2011 to 5/8/2011
- xi) Resource person in a short term course (one week) on “Research Trends in Hydraulics and Water Resources Engineering” under TEQIP, 24th to 28th January 2006

❖ Recognized PG Teacher and Research Guide, SRTMU, Nanded

❖ Supervisor for PhD research scholars- five n nos , Work is under progress

- Navnath Pingale, --Title: Feasibility and performance of circular hydraulic jump as an Energy Dissipater Status: On Going
- Jyotiprakash Nayak,--Title: Investigation of Physio-chemical Properties of Godavari river around Nashik city, Status: On Going
- Pandit Shimpale, --Title: Study of Accelerated Curing on Strength of Concrete, Status: On Going
- Ubaid Rrhman Ansari, --Title: Study of Flow Over Labyrinth Spillway, Status: On Going
- Karanpal Singh, -- Title: Performance based evaluation of RC frame building at regularity limit, Status: On Going

Supervised ME/M.TECH dissertation works: Twenty four(24) and details are as follows:

- “Dynamic modelling and optimization of urban sewerage network” by Abhijit S. Thalpate 2017-18
- “Design of water grid system for north Marathwada region” by Prasad B Bagad, 2017-18
- “Supercritical flow measurement using cutthroat flume” by Sagar S Dhande, 2017-18
- “Performance Evaluation of Stepped Spillway under Nappe Flow” by Sarika S. Jadhav 2016-17
- “Performance Evaluation of Helicoidal Flow Jet Flocculator” by Telang Pradnya Rajaram, 2016-17
- “Adjustment of Digital Elevation Model For Flood Modeling Over Eari River” by Lokhande Sujit Uttam, 2016-17

- “Analysis of Side Sluice in trapezoidal channel” by Amol Kode, 2015-16
- “Numerical Analysis of Side Sluice Gate” by Bhosikar Laxmikant, 2015-16
- “Sedimentation study for Part of Mutha River using HEC-RAS. BY Umeshchandra K. Bhosale, 2016
- “Study of Coefficient of Discharge and Pressure over the Ogee-Spillway using CFD” by Nitin R. Dhule, 2014-15
- “Water Resources Analysis and Potential Evaluation of Western Maharashtra” by Bhore Sagar, 2014-15
- “Analysis of Flow over Labyrinth Side Weir” by Ranjit J. Desai., 2014-15
- “Conjunctive Water Use Planning Using Optimization Approach” by Zakerullah Khan 2013-14
- “Determination of Water Quality Index of Source Wells of Rural Water Supply Schemes” by U. S Sakhre 2013-14
- “Rapid Mixing using Rising Air Bubbles” by Vinay S Zate, 2012-13
- “Study of Mahatma Jytiba Phule Soil and Water Conservation Scheme in Parbhani District” by Gaikwad B.M. 2010-11
- “Experimental Study Of Rapid Mixing In Water Treatment Plant By Using Jet” By Santosh Hanumanji Kalaskar 2010-11
- “Effect of retention time on rapid mixing in WTP using CFD”, by SARPATE USHA S. 2008-09
- “Performance evaluation of Upper Penganga Project” by S. R. Kurle. 2006-07
- “Rapid mixing in water treatment plants by water jet”, by Kanchangire Rameshwari B. 2005-06
- “Application of multi-objective fuzzy linear programming technique to Upper Wardha project.” by Mr. Aswin A Gawai, 2000-2001
- “Application of linear programming technique for multi-reservoir operation.” by Raut Sachin G., 1999-2000
- “Multi-reservoir operation using simulation technique.” by Wathore S. N., 1997-98
- “Application of Non-linear multi-objective optimization technique for multi-reservoir operation.” by B. Murali Mohan Dev, 1996-97

I hereby declare that, all statements made here are true, complete and correct to the best of my knowledge and belief.

Dr. L.G.PATIL