

## BIO- DATA

- 1. Name** : PATIL GANESH KESHAVRAO
- 2. Designation** : Associate Prof in Civil Engg
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- 4. Contact Number** (mobile) : 9890301922
- 5. Date of Birth** (DD/MM/YYYY) : 22/12/1971



### **6. Educational Qualifications:**

<b>Examination and Specialization</b>	<b>Name of the Institute/University/Board</b>	<b>Year of Passing</b>	<b>Percentage of Marks /</b>	<b>Grade</b>
S.S.C.	Pune Board, Pune	1988	69.00	Ist class
D.C.E.	MSBTE, Mumbai	1991	66.18	Ist class
B.E	Dr. B. A. M. University, Aurangabad	1994	71.00	Ist class with distinction
M. E	Dr. B. A. M. University, Aurangabad	2007	63.68	Ist class
Ph.D.	Dr. B. A. M. University, Aurangabad	2016	-	-

### **7. Experience** (Teaching, Industrial and Research):

<b>Name of the Institute/Organisation</b>	<b>Department</b>	<b>Designation</b>	<b>From</b>	<b>To</b>
S. S. G. B Polytechnic, Bhusawal	Civil Engineering	Lecturer	1/4/1996	22/11/1998
Govt College of Engineering, Pune	Civil Engineering	Lecturer	23/11/1998	27/7/2003
Govt College of Engineering, Aurangabad	Civil Engineering	Lecturer/Assistant Professor	28/7/2003	26/2/2013
Govt College of Engineering, Aurangabad	Civil Engineering	Associate Professor	27/2/2013	Till date

### 8. Courses Taught at Undergraduate Level

1. Survey I
2. Survey II
3. Environmental Engineering
4. Basics of Civil Engineering

### 9. Courses Taught at Post Graduate Level

1. Soil Stabilization
2. Water Supply Systems
3. Water Quality Modelling and Monitoring

### 10. Details of M.E. Dissertations Guided:

Sr. No.	Name of the Candidate	Dissertation Title	Year of Completion
1	Sachin Malhari Bhere	Analysis of Extreme Hydrological Events using Gravity Recovery and Climate Experiment (Grace) and Remote Sensing-Gis Based Model	2020
2	Gajanan Reshwal	Groundwater Vulnerability Assessment using Modified DRASTIC in GIS Environment for Marathwada Region	2020
3	Sandeep K Lungare	Assessing the Suitability of Piped Water Supply for Tanker-fed Villages by Using WaterGems	2020
4	Shubham P Hore	Water Quality Analysis of Mula-Mutha River	2020
5	Snehal Malpani	Behaviour of Strip Footing Supported on Geotextile Reinforced Soil Under Repeated Loading	2019
6	Harsh Vardhan Upadhyay	Investigating the Effects of Change in Land Cover on Stream flow using SWAT MODEL & QGIS	2019
7	Admankar Madhuri Nagnath	Estimation of Soil Erosion using USLE & GIS for Nanded Region	2019
8	Shubham Dixit	Sediment Yield Analysis of Gangapur Dam Reservoir using SWAT & ANN	2019
9	Akshay Sudesh Jaiswal	Effect of Inclusion of Hexagonal Mesh on Expansive Soil	2019
10	Shinde Shriganesh Sandipan	Study on Utilization of Agricultural Waste as Soil Stabilizer	2016
11	Kulkarni Vikas	A Study on Stabilization of Black	2015

	Ramesh Rao	Cotton Soil using Blast Furnace Slag and Glass Fibres	
12	Vilas R Bharambe	Comparative Study on Effect of Chemicals and Fly Ash for Stabilization of Black Cotton Soil	2014

### 11. Details of Ph. D. Guided - Nil

Sr. No.	Name of the Research Scholar	Title of Thesis	Year of Completion
1			

### 12. Details of Training programmes Attended:

Sr. No.	Training Name	From	To	Organization
1	"Environmental Pollution and development: Issues' Challenges for sustainability development'	24/9/2005	24/9/2005	Government College of Engineering, Pune
2	Rain water harvesting and water shed development	21/8/2005	21/8/2005	Government college of Engineering, Aurangabad
3	Induction training programme for engineering college teachers	5 <sup>th</sup> Dec. 2005	17 <sup>th</sup> Dec. 2005	Organised by TTTI, Bhopal, Government college of Engineering, Aurangabad
4	Research methodologies and report writing	18 <sup>th</sup> Feb. 2006	19 <sup>th</sup> Feb. 2006	Government college of Engineering, Aurangabad
5	Solid waste management	31/1/2006	31/1/2006	Government college of Engineering, Aurangabad
6	Modeling and simulation of energy systems in multi energy domain: A bond graph approach	9 <sup>th</sup> Jan. 2006	15 <sup>th</sup> Jan. 2006	Government college of Engineering, Aurangabad
7	Supervisory development and stress management	1/4/2006	1/4/2006	Government college of Engineering, Aurangabad
8	Designing student conducted studies	30/7/2006	30/7/2006	Government college of Engineering, Aurangabad
9	Cyber law for faculty and staff of educational institute	8 <sup>th</sup> Sept. 2006	10 <sup>th</sup> Sept. 2006	Government college of Engineering,

				Aurangabad
10	Advances in pollution control	12 <sup>th</sup> March, 2007	17 <sup>th</sup> March, 2007	BV COE, Pune
11	Efficient usage of laboratory and laboratory equipment for students	21 <sup>st</sup> Jan, 2008	27 <sup>th</sup> Jan, 2008	Government college of Engineering, Aurangabad
12	Integrated survey using Total station and GPS	15 Apr, 2008	17, Apr, 2008	JNTU, Hyderabad
13	Corrosion Engineering, Principles, Protection and Research	14 Dec, 2009	19 Dec, 2009	VNIT, Nagpur
14	Anaerobic digestion of waste waters	22 Feb, 2010	26 Feb, 2010	SVNIT, Surat
15	Engineering Optimization	28 <sup>th</sup> June, 2010	9 <sup>th</sup> July, 2010	Government college of Engineering, Aurangabad
16	Genetic Algorithm and Neuro Fuzzy Applications in Engineering	29 November 2010	10 December, 2010	Government college of Engineering, Aurangabad
17	Pedagogy			Government college of Engineering, Aurangabad
18	Soft Computing Tools and its Applications in Engineering	20 June 2011	1 July, 2011	Government college of Engineering, Aurangabad
19	E-learning tools for PG education	29 Oct 2012	2 Nov 2012	Government college of Engineering, Amravati
20	Genetic Algorithm and Neuro Fuzzy Applications in Engineering	17, Dec, 2012	21, Dec, 2012	Government college of Engineering, Aurangabad
21	Patent and copyright policy	9 April, 2013	9 April, 2013	Government college of Engineering, Aurangabad
22	Quality by design: Innovative development approach in Pharmaceuticals	9, Dec, 2013	21, Dec, 2013	Government College of Pharmacy, Aurangabad
23	Outcome based education and NBA	31 <sup>st</sup> Jan 2015	1 <sup>st</sup> Feb, 2015	Government college of Engineering, Aurangabad
24	Surveying using Total Station	17 Aug, 2015	19, Aug, 2015	NITTR, Chandigarh
25	Enhancement of Quality of Technical Education through Industry Institute Interaction	30 <sup>th</sup> Jan 2017	3 <sup>rd</sup> Feb, 2017	Government college of Engineering, Aurangabad
26	Soft computing techniques	15, Feb	19, Feb	Government college

	in engineering applications	2017	2017	of Engineering, Aurangabad
27	Computational fluid dynamics: Development application and analysis	8, March 2017	12, March 2017	IIT, Mumbai
	Quantum GIS and QSWAT applications in Water Resources Engineering	3 <sup>rd</sup> March 2018	7 <sup>th</sup> March 2018	Government college of Engineering, Aurangabad
28	Waste Management- An opportunity to become Self Relient	4 <sup>th</sup> July 2020		Government college of Engineering, Amravati

### 13. Details of Swayam/ MOOCS/NPTEL programmes attended

<b>Sr. No.</b>	<b>Training Name</b>	<b>From</b>	<b>To</b>	<b>Organization</b>
1	Role of Monitoring Sampling, and Analysis in Waste water treatment cost reduction and suitability of CETO/ETO	3 <sup>rd</sup> July 2020		National Productivity Council, New Delhi
2	Digital Transformation in Teaching and Learning Process	6 <sup>th</sup> April, 2020	22 <sup>nd</sup> April, 2020	SWAYAM

### 14. Conferences / Training programs organised

<b>Sr No</b>	<b>Conferences/ Workshop/Seminars/Training description</b>	<b>Month &amp; Year</b>	<b>National/State/International</b>
1	Training on STADD PRO software for academically weak students of Civil Engineering Department at Government College of Engineering, Aurangabad	16/12/2019 to 31/12/2019	Institute
2	Training on AUTOCAD for academically weak students of Civil Engineering Department, IGTR, Aurangabad	16/12/2019 to 31/12/2019	Institute
3	Training on STADD PRO software for academically weak students of Civil Engineering Department at Government College of Engineering, Aurangabad	19 <sup>th</sup> August to 31 <sup>th</sup> August 2013	Institute
4	Training on AUTOCAD for academically weak students of Civil	23 <sup>rd</sup> Dec 2013 to 9 <sup>th</sup> Feb 2014	Institute

	Engineering Department, IGTR, Aurangabad		
5	Training on AUTOCAD for academically weak students of Civil Engineering Department, IGTR, Aurangabad	3/10/2015 to 1/11/2015	Institute
6	National Conference on Environmental Pollution Management EPM 2011	Feb 2011	National

### 15. Conferences/ workshops Attended

Sr. No.	Conferences/ Workshop/Seminars description	Month & Year	Place
1	National seminar on Rainwater harvesting and water management by Institution of Engineers, Nagpur centre	2006	Nagpur
2	National seminar on Rainwater harvesting and water management by Institution of Engineers, Nagpur centre	2006	Nagpur
3	International Congress of Chemistry and Environment, Indore from	24 <sup>th</sup> to 26 <sup>th</sup> December, 2005	Indore
4	International Conference on Convergence of Science, Engineering and Management in Education and Research, , Dayananda Sagar Institutions, Bengaluru	26-27 Sept 2013	Bengaluru
5	National Seminar on Water Quality- A Major Challenge, Indian Water Works Association, Bhopal Centre	11 <sup>th</sup> Oct 2014	Bhopal

### 16. Memberships of professional bodies

Sr. No.	Name of The Professional Body/ Organization	Membership Type	Membership Number
1	Institution of Engineers	Associate Member	

## 17. Publications (year wise)

### International Journal

<b>Sr. No.</b>	<b>Author(s)</b>	<b>Title of the Paper</b>	<b>Details of Publication Journal, volume, issue, page No. , date</b>
1	Sachin Bhare, G.K. Patil	The Climate Change Analysis on Water Resources over Western Ghat by Deficit Calculation Method	Journal of Water Resource Engineering and Management ISSN: 2349-4336 Volume 7, Issue 1
2	S.K. Lungare, G.K. Patil	Assessing the Suitability of Piped Water Supply for Tanker-fed Villages by Using WaterGems	Journal of Water Resource Engineering and Management ISSN: 2349-4336 Volume 7, Issue 1
3	Shubham P. Hore, Dr. G. K. Patil	Water Quality Analysis of Mula-Mutha River	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; Volume 8 Issue XII Dec 2020
4	Snehal U. Malpani & Prof. G. K. Patil	Behaviour of Strip Footing supported on Geotextile Reinforced soil under Repeated Loading	International Journal of Engineering Applied Sciences and Technology, 2019 Vol. 4, Issue 1, ISSN No. 2455-2143, Pages 103-107
5	Snehal U. Malpani & Prof. G. K. Patil	A Review on "Parametric Study of Geosynthetic Material below Strip Footing	International Journal of Innovative Research in Science, Engineering and Technology Vol. 7, Issue 6, June 2018, ISSN(Online): 2319-8753
6	Sachin Bhare, G.K. Patil	Water Quality of Inland Water Bodies of Mumbai using Hyperspectral Remote Sensing Hyperion EO1	Roorkee Water Conclave 2020
7	Shubham Dixit & Dr. G. K. Patil	Sediment Yield Analysis of Gangapur Dam using SWAT and GIS	Journal of Geotechnical Engineering ISSN: 2394-1987 (Online) Volume 6, Issue 2, 1-9, 2019
8	H V Upadhayay & Dr. G. K. Patil	Investigating the Effects of Change in Land Cover on Streamflow using SWAT Model and QGIS	Journal of Water Resource Engineering and Management ISSN: 2349-4336 (Online) Volume 6, Issue 2, 61-70
9	Malpani & Dr. G. K. Patil	Behaviour Of Strip Footing Supported On Geotextile Reinforced Soil Under	International Journal of Engineering Applied Sciences and Technology, 2019, Vol. 4,

		Repeated Loading	Issue 1, ISSN No. 2455-2143, Pages 103-107
10	A S Jaiswal & Dr. G. K. Patil	Effect of inclusion of Hexagonal Mesh on Expansive Soil	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, p-ISSN: 2320-334X, Volume 16, Issue 3 Ser. V (May. - June. 2019), PP 08-14
11	Madhuri Admankar & Dr G K Patil	Estimation of Soil Erosion using USLE and GIS	International Journal of Recent Technology and Engineering, 8 (2), 3936-3939
12	S S Shinde & G K Patil	“Study on Utilization of Agricultural Waste as Soil Stabilizer”	International Journal of Latest Trends in Engineering and Technology, 2016, 7 (1), 227-230
13	Vikas Kulkarni & G K Patil	Experimental Study of Stabilization of B.C. Soil by Using Slag and Glass Fibres	Journal of Civil Engineering and Environmental Technology Print ISSN: 2349-8404; Online ISSN: 2349-879X; Volume 1, Number 2; August, 2014 pp. 107-112
14	Vilas Bharambe & G K Patil	“A Study on Stabilization of Black Cotton Soil Using Ferric Chloride”	IOSR Journal of Mechanical and Civil Engineering, 2013, Volume 10, Issue 1, PP 26-30
15	G K Patil & Dr P A Sadgir	“Study on Utilization of Moringa Oleifera as Coagulant”	International Journal of Research in Engineering and Technology, 2013, Special Publication, pp. 274-276
16	G K Patil & Dr P A Sadgir	“Removal of Hardness Using Moringa Oleifera Seed Suspension”,	Global Journal of Engineering & Applied Sciences, 2012: 2 (3) pp. 234-236
17	G K Patil & Dr S S Jamkar	“Effect of chemicals as impurities in mixing water on properties of concrete”	Journal of Research in Chemistry and Environment, 2011, Vol. 1, Issue-1, pp. 35-41.

### National Journal

Sr. No.	Author(s)	Title of the Paper	Details of Publication Journal, volume, issue, page No. , date

### International Conferences

Sr. No.	Author(s)	Title of the Paper	Details of Conference Publication, Conf Name, Place, page No. , date
1	G K Patil & Dr P A Sadgir	“Water Purification using Natural Herbs”	International Conference on Convergence of Science, Engineering and Management in Education and Research, 26-27 Sept 2013,



			Dayananda Sagar Institutions, Bengaluru
2	G K Patil & Dr S S Jamkar	“Effect of Concentration of NaOH in Mixing Water on Properties of Concrete”	Indo-Italian Conference on Emerging Trends in Waste Management Technologies, 2009, MAEER’s MIT College of Engineering, Pune & Maharashtra Institute of Technology, Pune
3	G K Patil & Dr P A Sadgir	“Evaluation of impact of polluted water on ground water quality in Kham river basin.”	International Congress of Chemistry and Environment, Indore from 24 <sup>th</sup> to 26 <sup>th</sup> December, 2005.

### **National Conference and workshops**

<b>Sr. No.</b>	<b>Author(s)</b>	<b>Title of the Paper</b>	<b>Details of Conference Publication, Conf Name, Place, page No. , date</b>
1	G K Patil & Dr P A Sadgir	“Assessment of Efficiency of salt extracted Moringa Oleifera as Coagulant”,	National Seminar on Water Quality- A Major Challenge, 11 <sup>th</sup> Oct 2014, Indian Water Works Association, Bhopal Centre
2	G K Patil & Dr K A Patil	“ Rainwater Harvesting Techniques”	National seminar on Rainwater harvesting and water management by Institution of Engineers, Nagpur centre
3	G K Patil & P A Sadgir	“Sustainable development by refilled continuous contour trenching technology”	National seminar on Rainwater harvesting and water management by Institution of Engineers, Nagpur centre

### **18. Details of Books / Chapters Published:**

### **19. Details of Patents / Copyrights / Designs applied/ awarded:**

### **20. Major Consultancy Projects Handled**

- Third party technical auditing of development works under Paithan Apegaon Vikas Pradhikaran
- Third party inspection for drainage works of Aurangabad Municipal Corporation, Aurangabad
- Sarva Shiksha Abhiyan project for Aurangabad District, Maharashtra Prathamik Shikshan Project
- Committee member of Scrutiny of project reports for roads under PMGSY
- Preparation of Environmental Status Report for Aurangabad Municipal Corporation
- Construction quality auditing of water supply schemes under Jalswaraj

**21. Other Major Activities conducted/ portfolio held with details and duration (Department Level, Institute Level, State Level, and National Level, For the Society, for other Departments)**

- Secretary, Building Works Committee
- PG Coordinator
- In Charge of Surveying Laboratory
- Departmental Controller of Examinations
- Worked as Dean, Infrastructure & Planning
- Worked as UG PT admission incharge
- Worked as Member of College Development Committee
- Worked as Assistant Controller of Examination
- Worked as Departmental Incharge, Academically Weak Students, TEQIP II
- Worked as Departmental Incharge, IOC, TEQIP II
- Worked as hostel warden from 2003-2009
- Member of committee for setting syllabus for MPSC Engineering Exam

**22. Funded Research Project**

Major Research Project funded by UGC “Purification of water with herbal extract”,  
(File No. 41-192/2012 (SR) dated 18/7/2012) Duration June 2012- June 2015