

Faculty Profile

Name *Dr. Shivraj Laxmanrao Patil*

Father's name *Shri Laxmanrao Patil*

Date of birth *January 1st, 1962*

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College of Engineering and Technology,
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Academic qualification

Degree/ certificate	Specialization	Year of Passing	Percentage	Institute	University/ Board
<i>S S C</i>	<i>-</i>	<i>1978</i>	<i>50</i>	<i>Shardanagar boys higher secondary school Sagroli (MS)</i>	<i>SSC Board Aurangabad (MS)</i>
<i>H S C</i>	<i>Science (maths)</i>	<i>1981</i>	<i>48.82</i>	<i>Junior college Degloor (MS)</i>	<i>HSC Board Aurangabad (MS)</i>
<i>B Sc</i>	<i>Geology</i>	<i>1984</i>	<i>69.32</i>	<i>Science college Nanded (MS)</i>	<i>Marathwada University Aurangabad (M)</i>
<i>M Sc (Tech)</i>	<i>Applied Geology</i>	<i>1987</i>	<i>71</i>	<i>Geology department</i>	<i>Nagpur University Nagpur (MS)</i>
<i>Ph D</i>	<i>Geology</i>	<i>2011</i>	<i>-</i>	<i>North Maharashtra University, Jalgaon, MS</i>	<i>North Maharashtra University, Jalgaon, MS</i>

Date Of Joining- *July 1st 1988*

Status as on date joining- *Lecturer*

Present status- *Professor*

Salary as on date joining- *Rs.700 basic*

Salary as on date -

Rs.37400-67000 scale

Research area:-

Title of Ph D thesis: Reuse of Fly Ash to enhance soil fertility and as a Building Aggregate: A Case Study of Deepnagar Thermal Power Plant, Bhusawal”.

Guide: Dr M V Baride, Formerly Registrar, North Maharashtra University, Jalgaon, MS; Presently Associate Professor at Z B Patil College, Dhule.

Details of research work done:

My Ph D work is a case study done for the re-use fly ash of Thermal Power plant of Deep Nagar, Bhusawal (MS). The fly ash obtained from Deep Nagar Thermal Power Plant has been used for following three objectives:

1. Soil nourishment: Laboratory scale studies are done using local crops in order to determine the optimum proportion of fly ash that can enhance the crop growth. The crops thus produced are examined from edibility point of view.
2. Cement replacement in concrete: optimum proportion of fly ash is determined to enhance the compressive and flexural strength of cement concrete. The effect of using fly ash on cost of structure is analyzed.
3. In clay bricks manufacturing: Optimum proportion of fly ash that can be used in clay bricks is determined. The improvement in compressive strength and water absorption is determined by laboratory testing and is compared with standard values. Effect on efflorescence development is also determined.

R & D Activity in college:-

- 1) Guided several batches of students for projects of their final year .
- 2) Design and Layout of Oxidation pond for the town of Kandhari near Bhusawal (MS) in collaboration with the engineers of MJP.
- 3) Design of Rain water Harvesting scheme for the campus.
- 4) Case study of housing project at Mamurabad for serviceability feasibility examination.

Papers published in International Journals:-

1. Enhancing soil fertility by fly ash (2010), An International Research journal of Agriculture and Allied Sciences (Green Farming), S L Patil, M V Baride, M Husain, 1(1), 67 – 69.
2. Fly ash for soil nourishment: a case study for brinjal and ground-nut (2010) *Environmental Conservation Journal*, S L Patil, M V Baride, M Husain, 11 (1 & 2), 25-29.
3. Fly ash concrete for road pavement: a techno-economic analysis (2010) International Journal of Advanced Engineering Technology, S L Patil, M V Baride, and M Husain, 1(3), 93-100.
4. Fly ash concrete- A Technical Analysis for Compressive Strength (2012) International Journal of Advanced Engineering Research and Studies, S L Patil, J N Kale , and S Suman, Vol II , 128-129.
5. Carbon Credit Gains due to Reuse of Fly Ash in Concrete Technology (2013) International Journal of Engineering Research and Technology, S L Patil, V R Diware, and M Husain.

Papers published in the proceedings of International conferences.

1. *“Curriculum design environment” S L Patil, M Husain and V Diware, in the proceedings of International Congress of chemistry and environment, at Indore (MP) on 16-18 December 2001.*
2. *“Performance appraisal of water treatment plant at Bhusawal and Jalgaon” S L Patil, M Husain and V Diware, in the proceedings of International Congress of chemistry and environment, at Indore (MP) on 16-18 December 2001.*

3. *“An oxidation pond in river!!!” S L Patil, M Husain and Smt Sakina Shakir, in the proceedings of International Congress of chemistry and environment, at Indore (MP) during Dec 25 to 27, 2005.*
4. *“Environmentally consistent reuse methods of fly ash” by S L Patil, M V Baride, M Husain, Indo-Italian Conference on Green and Clean Environment on March 20th 2008.*
5. *“Fly ash enriched bricks” by Emerging S L Patil, M V Baride, M Husain, Indo-Italian Conference on Emerging trends in waste management technologies, on Dec 3-4, 2009.*
6. *Energy Recovery from Municipal Solid Waste by B. K. Dattary, S. L. Patil, V. R. Diware, International Conference on Advances in Energy Technology, on March 29th 2013*
7. *Towards Zero Energy a case study of pearl river tower Guangzhou by S. L. Patil, International Conference on Sustainable Development, on Feb 25- 26, 2014*

Papers published in the proceedings of National conferences:-

1. *“Salinity- a case study of Tapi basin” S L Patil, M Husain, in the proceedings of National level seminar on salinity in Purna alluvial basin held at Govt college of engineering Amravati (MS) on 28-29 January 1999.*
2. *“Solid waste management for the campus of COET Bambhori” S L Patil, M Husain, in the proceedings of the National level seminar on Geo-technical and environmental aspect of managing municipal solid waste, at MNREC Allahabad, UP on 30TH Oct 1999.*
3. *“Industry institute interaction, a path ahead” S L Patil, M Husain, in the proceedings of National level seminar on Towards excellence in technical education in 21ST century, at College of engineering Pusad (MS) on 23-24 November 1999.*

4. "Performance appraisal of water treatment plant for the city of Jalgaon" S L Patil, M Husain, in the proceedings of IWWA National level seminar on operation and maintenance of water supply schemes at Amravati (MS) on 25-26 December 1999.
5. "Value based engineering education and compliance expected from self financing engineering colleges" S L Patil, S B Pawar and Dr Rakesh Mowar, at state level convention of ISTE Goa-Maharashtra convention on the theme of Value based quality engineering education: a call of the time, at JTM college of engineering Faizpur on 15-16 September 2003.
- 6) "Future perspective of industrial waste water management" SL Patil, M Husain and Veerseh Kaul, at the National level seminar on Geo-environmental hazards- a future perspective, at JTM college of engineering Faizpur (MS) on 6-7 October 2003.
- 7) "Fly ash as a soil Nourishing agent for Tomato crop" S.L.Patil,P.A.Shirule,at the University level paper presentation at North Maharashtra University Jalgaon M.S.,during December 18 -19,2007.won the second prize. Selected for state level paper presentation in Avishakar 2008,Inter University Research Competition during jan11-12th 2008.atSNDT Women's University Mumbai.
- 8) "Construction Technology Scheme of Green Building ", S.L.Patil &S.B.Pawar at National level seminar on Green& Clean Technology at SSBTs College Of Engineering &Technology, Bambhori ,Jalgaon ,M.S. on 11th March 2012

Subjects taught:

At UG level

1. Engineering Geology in Civil Engineering Department.
2. Advanced Engineering Geology in Civil Engineering Department.
3. Remote sensing in geomorphology and civil engineering
4. Watershed management
5. Surveying at second year and third year in Civil Engineering Department.
6. Elements of civil engineering at first year.
7. Projects and Seminars for final year students in Civil Engineering Department.

At PG level:

Watershed management for Master of Engineering in Civil Engineering with specialization in environmental engineering.

Guided several projects at PG level.

Note: Got recognition as PG teacher for Master of Engineering in Civil Engineering with specialization in environmental engineering.

Career profile:

1. From July 1st 1988 to November 30TH 2002 as Lecturer in Civil Engineering at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS.
2. From Dec 1st 2002 to Jan 31st2007 as Senior Lecturer in Civil Engineering at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS.
3. From Feb 1st 2007 to Feb 28th2010 as Lecturer in Selection Grade in Civil Engineering at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS.

4. From March 1st 2010 to June 30th 2012 as Associate Professor in Civil Engineering at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS.
5. From July 1st 2012 till date as Professor in Civil Engineering at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS.
6. From Sep 15th 2011 to March 30th 2013 as Head Of Applied Science Department at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS.

Administrative experiences:

1. Worked as Principal In-charge at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS from May 15th 1999 to July 30th 1999.
2. Also looked after the charge of Principal in absentia of regular Principal from time to time.
3. Holding additional charge of Principal in-charge of new polytechnic, Bambhori, Jalgaon, MS from October 28th 2005 till date.
4. Worked as Board of Studies in Civil Engineering during academic year 2008 to 2011 at North Maharashtra University, Jalgaon, MS.
5. Working as Rector for Boys' Hostel at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS from April 2003 till date.
6. Working as Chairperson, Cultural Committee since appointment till date. Organized various Cultural Activities for students including Annual day every year.
7. Looked after catering and stage arrangement aspects for each every National/Inter-national workshop/seminar/conference/paper presentation activity etc organized in the College since last 23 years.
8. Did complete event management during the visit of President of India to the SSBT's College of Engineering and Technology, Bambhori, Jalgaon, M.S.on 13th June 2011.

9. Did complete event management during the visit of President of India to the SSBT's College of Engineering and Technology, Bambhori, Jalgaon, M.S. on 25th March 2012.
10. Working as member of Anti Ragging Committee and member of Anti Ragging squad Since 2003.
11. Worked as Staff Representative in the Local Management Committee of the college from 2006 to 2009.
12. Worked as an officiating principal of the institute in absence of the regular principal.
13. Working as member of Proctorial Board since 2003.
14. Worked as faculty advisor for Civil Engineering students association.

Short-term Courses attended:

1. AICTE- ISTE short term course for one week at JTM college of engineering Faizpur (MS) during 21st-25th December 2000 on the topic of Environmental management- a future perspective.
2. AICTE- ISTE short term course for two weeks at NITK Suratkal (KS) during 6th-18th January 2003 on the topic of coastal erosion areas protection and management.
3. AICTE- ISTE short term course for two weeks at Mepco schelk college of engineering Shivakashi, (TN) during 1st-12th December 2003 on the topic of Rain water harvesting for rural and urban areas.
4. Attended three days Orientation Program for Engineering teachers Organized by SSBT's College of Engineering and Technology, Bambhori, Jalgaon, on 11th-13th July 2003.
5. AICTE- QIP –Short Term Course for one week at IIT Mumbai during Feb 14th-18th 2005 on Geographic information systems and its applications.

Attended and participated in International & National Seminars and Workshops:-

- 1) Attended District Level Exhibition Organized by District Disaster Management committee on Disaster Management Jan jagruti Exhibition 2011 from 10th oct.13th oct.at Jalgaon, Bhusawal,Pachora,Amalner.
- 2)Attended one day workshop on Disaster Management and Safety, organized by SSBT's College of Engineering and Technology, Bambhori, Jalgaon, MS on Jan 23rd2010.
- 3)Attended one day workshop on Awareness in Auditing Practices organized at SSBT's College of Engineering and Technology, Bambhori, Jalgaon, in Collaboration with Max ISO Certification Consultants, Mumbai. On 1st March 2010
- 4) Attended and participated in Poster Competition For Fire Services Day at SSBT's College of Engineering and Technology, Bambhori, Jalgaon.on 20th March2010
- 5) Attended International Conference on "Digital Governance and Hot spot geo-informatics"from 1stJune to7th June 2009 at New Delhi,&M.J.College Jalgaon Organized by K.C.E Society JALSRI Watershed Surveillance & Research Institute M.J.College Jalgaon.
- 6) Attended one day National workshop on Watershed Management and Development at School of Environment &Earth Sciences Department North Maharashtra University, Jalgaon, MS. On 19th sept.2008.
- 7) Attended One Day National Seminar on "Nano Technology perspective &future" Organized by SSBT's College of Engineering and Technology, Bambhori, Jalgaon on 8th march 2008.

8) Attended One Day National Seminar on Low Cost Automation Organized by SSBT's College of Engineering and Technology, Bambhori, Jalgaon on 21st April 2007.

9) Attended three days Orientation Program for Engineering teachers Organized by SSBT's College of Engineering and Technology, Bambhori, Jalgaon, on 11th-13th July 2003.

10) Attended One Day National Seminar on Quality Engineering Education Organized jointly by SSBT's College of Engineering and Technology, Bambhori, Jalgaon & Engineering Education foundation Pune on 26th Dec.1998.

Books written:

Written book titled "Elements of Civil Engineering" published by Everest Publications, Pune, MS.

Three major strengths.

1. I have a capability to control the students and to keep a discipline. This is helpful for me in dealing the hostel affairs and organizing various students activities and visits etc.

2. I have good cordial relations with my colleagues, subordinates and higher authorities. This helps me getting done the departmental and Institutional administration work and to co-ordinate various activities.

3. I reside in campus .Hence I can devote my off hours for guiding the students as well can work for the development of campus. this also helps me in dealing the hostel affairs.

Major Weakness.

1. I am not a good orator. While I organize various students and staff activities I do not come up for addressing them.

2. Completed Ph. D quite late that obstacle my career development.

I hereby declare solemnly that the information given herein is correct to the best of my knowledge and understanding.

Dr.Shivraj Laxmanrao Patil

Date:

Place: