



## **Pravin D. Nemade**

Professor and Head Department of Civil Engineering,  
MVPS's KBT College of Engineering, Nashik,  
Nashik-422013 (mobile; 9423975240)

---

### **Research and Teaching Interest:**

In areas of Civil Engineering such as geotechnical engineering, Environmental Geotechnics, cement concrete technology, Watershed development. Physico-chemical processes for water and wastewater treatment, biological systems for wastewater treatment including removal of priority pollutants, Solid and Hazardous Waste Treatment and Disposal Technologies. Removal of heavy metal like Fluoride, chromium, phosphate & Arsenic from Water, Application of UASB, ASP, SBR, RBC, Ozone treatment in Industrial Waste Water Treatment.

**Scopus ID :** 23768624300

**Google Scholar :** H Index: 11 (citations 630) **i10-Index : 15**

**ORCID: No :** <https://orcid.org/0000-0001-9705-6964>

**ResearchGate :** 22.72 (citations 491)

**Web of Science ResearcherID :** ABD-1173-2020

**Publications :** Journals: 94 **Conferences : 23**

**Personal information :**

**Date of birth :** 27<sup>th</sup> February 1967

**Present address :** Shivajinagar, Pune-411005, Maharashtra

**Email :** pravin.nemade@gmail.com

### **Education Qualification:**

**Ph.D.** Indian Institute of Technology (IIT) Bombay, India, 2010  
**M.Tech** Civil Engineering, Indian Institute of Technology, Kharagpur, India, 1999  
**B.E.** (Civil Engg) College of Engineering, Loni, Pune University, India, 1990  
**D.C.E.** Diploma in Civil Engineering, Bombay Board, 1986

**Ph.D. Guide** approved under Savitribai Phule Pune University in Civil and Environmental Engineering, 2011-12

**No of Students guided for PhD: 02**

**Working PhD students: 04**

**Consultancy provided:**

Testing and analysis of construction materials, like cement, aggregates, soil, sand.

**Laboratory/Experimental Skills**

- 1) Batch and continuous study for the treatment of wastewater using Electrocoagulation.
- 2) Treatment of water and wastewater using UASB, SBR other reactors.
- 3) Experiments for phytoremediation of a heavy metal-containing wastewater.

**Grants and Projects are undertaken:**

- 1) BCUD (15ENG001210) project: "Performance of structural concrete using recycled plastics as Coarse aggregate", Cost of Rs. 2.1 Lakh, the year 2016-18. Completed.
- 2) BCUD (11ENG001486) project: "Assessment and Investigation of Occurrence of Heavy Metals in Ground Water: A Case Study of Indapur City of Pune District", cost of Rs. 2.3 Lakh, completed.
- 3) BCUD Solid Waste Management aGIS-basedsed transportation: A Case Study of Indapur District- Pune. Cost of Rs. 2.0 Lakh, completed.
- 4) MODROB, grants in civil engg. Dept of Rs. 15 Lakh, received from AICTE, New Delhi, India recently, 2019-2020.
- 5) Other miscellaneous grants received from SPPU under QIP, like equipment up to Rs. 1 Lakh, Xerox machine, projector, workshop equipment, etc. all to SBPCOE, Indapur.

**Summary of Experience**

- Approved Professor and Principal under Savitribai Pune University.
- E-Yantra Robotics Laboratory was established sponsored by IIT Bombay on 2nd March 2016 at E&TC dept.
- Established the ARC of IIT, Bombay
- Experience and knowledge of ISO-2015 (EMS), NAAC and NBA accreditation.
- Established IIC Cell of MHRD, New Delhi and achieved 4 star certification, 2020.
- Get recognition for Atal Ranking of Institution for Innovation Achievement, (ARIIA) of AICTE, New Delhi.
- Established the Startup Innovation Cell and EDP Cell at SBPCOE.
- Get certification for Recognized Social Entrepreneurship, Swachhta & Rural Engagement Cell (SES REC) Institution, Hyderabad, MHRD, GOI, India.

- Chairman and Paper Setter, M.E. Environmental Engg, Pune University.
- Professor & Head, Department of Civil Engineering, J. T. M. College of Engineering, Faizpur, Dist: Jalgaon ( from Feb 1992 till date).
- Member, Board of Study of North Maharashtra University, Jalgaon.
- Chartered Engineer (April 2003 onwards)
- 20 years of teaching experience in bachelor degree in civil engineering, especially in environmental science & engineering. Presently,
- Hands on experience in the field of Environmental Analysis
- Basic background in the area of Wastewater treatment & management, heavy metal removal like arsenic fluoride, etc., solid waste management, Microbiology, Biotechnology, Environmental Science and chemistry, Soil science and Environmental Engineering.

### **Professional Experience**

**Research Scholar**, Department of Chemical Engineering, IIT-Bombay (Feb.2006 to till date)

- ❖ Various research proposals in the field of wastewater treatment.
- ❖ Execution of laboratory scale pilot plant in the treatment of industrial as well Municipal liquid waste
  - Scaled up the laboratory research to pilot scale for wastewater purification using partially weathered Deccan Trap Basal as part of Ph.D thesis work
  - Part of the team member to design and scale up a 3 MLD wastewater treatment facility from lab scale pilot plant to field scale
  - Executed the same for BrihanMumbai Municipal Corporation, at Lovegrove Pumping Station complex, Worli, Mumbai, 2005 as a joint team work with BMC.
  - Monitored the facility for 7 months with the help of BMC and presented a conference paper on its performance at Trombay Symposium on desalination and water reuse (TSDWR 07), February 7-9, 2007, BARC, Mumbai (See the conference publication list at the end)
  - Design & executed 120 KLD sewage treatment facility for recycling and reuse of AirPort Authority of India at Udaipur, Rajasthan.
  - Design & execution of 20 KLD wastewater treatment facility for P M Writer's at Khandala, Shilim project for Hill resort.

### **Reviewer of International Journals**

- International Journal of Environmental Technology
- Journal of Environmental Management (JEMA)
- Environmental Engineering Research (EER)
- Ecological Engineering
- Fresenius Environmental Bulletin (FEB)
- Canadian Journal of Chemical Engineering
- Environmental Engineering Science

## Research and Development

**Senior Research Fellow (SRF)**, Centre for Environmental Science & Engineering, IIT Bombay, (Nov 04–31<sup>st</sup> Jan 06)

This project was funded by the Department of Science & Technology, Government of India. Project activities and responsibilities include:

- Analysis of arsenic from water & field study in West Bengal.
- Develop a simple & robust technology to remove arsenic from water by Electrocoagulation.

## Honors and Awards

- Best Teacher Award, by ArogyaSandeshBahuddeshiyaSamajseviPratishthan, Indapur, and Nehru Yuva Kendra, on eve of Teachers Day, on 5<sup>th</sup> September 2019.
- Best Principal” Award by SavitribaiPhule Pune University (SPPU), Pune from Rural Area, 10<sup>th</sup> February 2018.
- “ManiratnaShikhsak Gaurav Puraskar” given by ManibhaiManavSeva Trust, UraliKanchan, Pune on eve of 2nd October 2015 Mahatma Gandhi Jayanti.
- Member, Board of Studies, Civil Engineering, SPPU, Pune, 2018to 2023.
- Paper setter/Examiner for M Tech ( EnvEngg) Civil Engg under Pune University, 2011; Paper setter/Examiner for M Tech (EnvEngg) Civil Engg/Water Resource and EnvEngg under Pune University (Year: 2014 to till date).
- Elected as a member of the Section Management Committee (SMC) ISTE from Maharashtra and Goa section from 1st January 2003 to 2006.
- Best paper for “Electrochemical Removal of Arsenic from Water”, (3rd prize) in International Workshop on R & D frontiers in Water & Wastewater held at NEERI, Nagpur, 20- 21 February 2005.
- Chancellor’s Nominee for Buildings & Works Committee of North Maharashtra University, Jalgaon from January 2003.
- “Promising Engineer Award” by Institution of Engineers, India, Nashik Local Centre, on the occasion of Engineers Day, 18 Sept. 2003.
- Deepesh Narayan & Mira De Award) Best Thesis Award at M. Tech Level at I.I.T., Kharagpur, 1999.

## Book Chapters:

1. Book Natural Arsenic in Groundwaters of Latin America-occurrence, health, impact, and remediation, editors: *J. Bundschuh, M.A. Armienta, P. Bhattacharya, J. Matschullat, & A.B. Mukherjee*, **Chapter 65 “ A simple Electrocoagulation Setup for Arsenite removal from water”**, Taylor & Francis, publication pp. 595-601.
2. Book “Water Supply Systems: Demand, Distribution, and Pollution”, Editors: M.R. Islam (Dalhousie University, Canada), Pravin D. Nemade and Hariharan S. Shankar. (2011), Chapter titled “ Removal of Arsenite from Contaminated Water by Constructed Soil Filter (CSF)” Nova Publisher, pp. 127-137

## Courses Undertaken

- At M. Tech level: Wastewater Management, Solid Waste Management, industrial

wastewater management, Environmental system management, Statistics, Environmental Chemistry, computer software, air pollution & management

- At IIT-Bombay: Environmental chemistry, Lab work, Physicochemical unit processes

### **Teaching Experience**

30 years of teaching experience at bachelor of engineering levels and taught following subjects:

- Surveying, Building Construction & Planning, Transportation Engg, Irrigation Engg
- Water and Wastewater engineering; industrial water pollution control
- Water supply engineering
- Ecology, hazardous waste management, solid waste management

### **Membership in Professional Organizations**

- Life Member of Association of Consulting Engineers, (ACCE) (M-5511-L)
- Fellow Member and Chartered Engineer of Institution of Engineers, India, (FIE) (M-123555-3)
- Life member of Indian Association of Environmental Management (IAEM) (LM-1596)
- Life Member of Indian Water Resource Society (IWRS), Roorkee, India. (2018-7761)
- Life member of Indian Waterworks Association (IWWA)
- Life member of Association of Hydrologist, India, (AHI-LM 226/576)
- Life member of Indian Society of Remote Sensing (ISRS) (L-2615)
- Life member of Indian Science Congress (L-26453)
- Life member of Bombay Natural History Society (BHNS) (L-02582)
- Life member of Indian Society for Technical Education (ISTE) (LM-20722)
- Life member of Indian Society of Engineering Geology (ISEG) (LM-1122)
- Member of GeoForum, Association Geologist & Hydrologist, Aurangabad, India

### **Computer Skills:**

- Office applications: AutoCAD, Photoshop, MS Office

### **Appointed as Chairman/Advisory Board, Session Chairman etc.:**

1. Advisory board member on International eConference on International e-Conference on Sustainable Development in Concrete Technology - ICSDCT 2021, 19-21 August 2021 organized by D. Y. Patil COE, Akurdi, Pune
2. Keynote Speaker, MULTICON-W-2021 organized by Thakur College of Engineering and Technology, Mumbai, 26<sup>th</sup> and 27 February 2021

### **Seminars /Workshops/Conference/Camps organized**

- Organized One week FDP on Hydrological Modelling, Climate Change and Soft Computing Applications in Water Resources Engineering, at MVPS'S, KBT College of Engineering, Nashik, Maharashtra, 23<sup>rd</sup> August to 27<sup>th</sup> August 2021.
- Organized One week FDP on Advances in Concrete Construction and Technique, at MVPS'S, KBT College of Engineering, Nashik, Maharashtra, 24<sup>th</sup> May 2021 – 28<sup>th</sup> May 2021.
- Organized three day workshop on Research, Development and Innovation at MVPS'S, KBT College of Engineering, Nashik, Maharashtra, 17<sup>th</sup> May to 19<sup>th</sup> May 2021.
- Organized one week FDP on Consultancy in Civil engineering Opportunities and Challenges at

MVPS'S, KBT College of Engineering, Nashik, Maharashtra, 10<sup>th</sup> May to 14<sup>th</sup> May 2021.

- Organized One Week Faculty Development Program on E&TC, collaborated with Bharti College of engg, Pune, 2020.
- Organized One Week Faculty Development Program on First year Engineering, collaborated with Bharti College of engg, Pune, 2020.
- Organized One Week Faculty Development Program on civil Engg, collaborated with Bharti College of engg, Pune, 2020.
- Organized One Week Faculty Development Program on Mechanical engg, collaborated with Bharti College of engg, Pune, 2020
- Conducted One/Two week First Year Engineering Student Inductio program on “ Human Values and Ethics” from 16<sup>th</sup> July to 21<sup>st</sup> July 2018 and 2019.
- Organized One week workshop on “Challenges and Innovation in Structural Engineering” on 7<sup>th</sup> May 11 May 2018 by Department of Civil Engg, and sponsored by SPPU
- Organized One week workshop on “Product Design and Development” on 23 April to 27 April 2018 by Department of Mechanical Engg and sponsored by SPPU
- Organized One week workshop on “Electrical Power System” on 24 April to 28 April 2018 Department of Electrical Engg and sponsored by SPPU
- Organized One week workshop on “IOT and Virtual Reality” on 23 April to 27 April 2018 sponsored by SPPU.
- Organized One week workshop on “Research Methodologies and Research Scholar” on 31<sup>st</sup> October to 4<sup>th</sup> November 2017 sponsored by ISTE and SPPU.
- Organized One week workshop on “ Nanotechnology and Microstructures” on 6<sup>th</sup> to 10 November 2017 sponsored by ISTE and SPPU.
- Organised One Day workshop for faculty development by PCCOE, Principal, Dean Acad and its faculty on 2017.
- Organized One workshop on “ Inernet of Things” by Dr. ParikshitMahalle, SKN COE, Pune on 19 August 2017.
- One day Workshop on Life Skills and Entrepreneurship and Employment” by IIT, Bombay Alumni, Pune section on 14 August , 2017.
- Massive greening campus by plantation of 300 Trees in SBPCOE campus, ‘**Vanmohotsav**’.initiative of Maharashtra Govt., on 1 July 2017.
- Organised national Level technical Event “ Technorise” by dept of E&TC on 10<sup>th</sup> March 2016.
- Organised One day workshop on “AURAFESTO” 2K16 on 13<sup>th</sup> March 2016 by Dept of mechEngg.
- Organised Two days workshop on Patents and Intellectual Property Rights from 11<sup>th</sup> to 12<sup>th</sup> March 2016.
- Organised Two Days workshop on Waste Mgt and Practices from 8<sup>th</sup> to 9<sup>th</sup> March 2016 by Dept of Civil Engg.
- Organised III summit on 13<sup>th</sup> Jan 2016 with all HR meet conclave by SBPCOE.
- Organised One day program for girls NirbhayaKanyaAbhiyan on 7<sup>th</sup> Jan 2016 presenting Karate skills to girls by sponsored by SPPU for student welfare.
- Organised one week Workshop on “ Introduction to Structural Engineering under NMEICT by MHRD, New Delhi and IIT Kharagpur, from 4<sup>th</sup> Jan to 9<sup>th</sup> Jan 2016.
- Organized Two Day Workshop on “Soft Skill Development for engineering students”, sponsored by B.C.U.D., SP Pune University, at SBPCOE, on 17-18 March, 2015.
- Organized Two Day Workshop on “Water Crisis and Challenges”, sponsored by B.C.U.D., SP Pune University, at SBPCOE, on 7-8 March, 2015.
- Organized Two week Workshop on Signals and Systems (DBMS)–I.I.T., Kharagpur, under the

National Mission on Education through ICT (MHRD, Govt. of India) at remote centre (RC) of from 2<sup>nd</sup> Jan to 12<sup>th</sup> Jan, 2014.

- Organized Two weeks Workshop on Engineering Mechanics–I.I.T., Kharagpur, under the National Mission on Education through ICT (MHRD, Govt. of India) at remote centre (RC) of from 26<sup>th</sup> November to 6<sup>th</sup> December, 2013.
- Organized Two week Workshop on Database Mgt System (DBMS)–I.I.T., Bombay, under the National Mission on Education through ICT (MHRD, Govt. of India) at remote centre (RC) of from 21<sup>st</sup> May to 31<sup>st</sup> May, 2013.
- Organized Two Week Workshop on “Analog Electronics” was conducted by IIT Kharagpur under the National Mission on Education through ICT (MHRD, Govt. of India) at remote centre (RC) of S. B. Patil College of Engineering, Indapur, from 4<sup>th</sup>-14<sup>th</sup> June 2013.
- Organized National Level Two Day Seminar on “Recent Development in Wireless Sensor Networks” (RDWSN-2K13) on 1-2 March 2013 by E&TC Department at S. B. Patil College of Engineering, Indapur.
- Organized State level Two Day Workshop on “MATLAB-SIM Power System on 25-26 February 2013 by Electrical Engineering Department, at S. B. Patil College of Engineering, Indapur.
- Organized 16<sup>th</sup> ISTE Student Convention Oculus-2K13, 24 and 25 January 2013 and National Level Seminar on “Technological Excellence- An endeavour towards India as Superpower” at S. B. Patil College of Engineering, Indapur.
- Organized Two Day Quality “Improvement Program in Geotechnical Engineering”, 3 and 4 January 2013 at S. B. Patil College of Engineering, Indapur.
- Establish Remote Centre of I.I.T., Bombay to regularly organize different kinds of training, knowledge enhancement and workshop in all disciplines of engineering for staff and students at S. B. Patil College of Engineering, Indapur.
- Develop separate laboratory for AKASH Tablet R&D centre of I.I.T., Bombay at S. B. Patil College of Engineering, Indapur.
- Organized career fair, Engineering online submission form, ARC and MH-CET guidance to 11 and 12 standard students in and around Indapur Taluka, Dist: Pune regularly in the year 2010, 2011, 2012.
- Organized two Day National Level Student Paper Contest “Oculus” 16, 17 March 2012 at S. B. Patil College of Engineering, Indapur.
- Organized two Day State level Seminar on “Emerging Trends in Mechanical Engineering” (ETME-2012), 2-3 March 2012 sponsored by Pune University, at S. B. Patil College of Engineering, Indapur.
- Organized One Week Camp on “Shashwat Ani Sarvangin Gramin Vikas” under National Service Scheme (NSS) funded by Pune University at Village Gangavalan, Tal: Indapur on 17- 23 January 2012.
- Organized two Day National level Conference on “Science & Technology (SCITECH-2012), 6-7 January 2012, sponsored by Pune University, at S. B. Patil College of Engineering, Indapur.
- Organized two Day State level Seminar on “Recent Trends in Civil Engineering”, 19-20 February 2011 sponsored by Pune University, at S. B. Patil College of Engineering, Indapur.
- Organized One Week Camp on “Paryavaran Purak Paryatan” National Service Scheme (NSS) funded by Pune University at Village Bhodni, Tal: Indapur on 8- 14 January 2011.
- Organized two National Level Student Paper Contest “Millennium-2000”, Techwave-2002, 2003, 2004
- Recently organizing Two Day national level Seminar on “Geo-Environmental hazards- A Future Perspectives, 6-7 October, 2003.
- Organized Two Day ISTE Convention, on “Value Based Engineering Education – A Call Of the Time, 15-16 September, 2003 for Maharashtra & Goa Section

- Organized Two week “Induction Training Programme for Engineering Teachers”, on 9th to 15th 2002, sponsored by AICTE/ISTE, New Delhi.
- Organized Two week “Induction Training Programme for Engineering Teachers”, on 26th to 4th 2001, sponsored by AICTE/ISTE, New Delhi.
- Organized One week “ Groundwater Management & Development, (GWMD-2001), sponsored by Indian Society for Technical Education, ISTE, New Delhi, 24th to 28th December, 2001.
- Organized National level Short Term Courses (one week) on “Environmental Management – A Future Perspective” 21st to 25th December 2000, sponsored by ISTE, Delhi.

### **Journal publication list:**

1. Y. H. Tambe, **P. D. Nemade** (2022) Experimental investigation on Low Density Foamed Concrete(LDFC) Blended with Nano-RHA and Nano-GGBS as cement replacement, SSRN Proceedings, Elsevier, International Conference on Contents, Computing & Communication (ICCCC-2022), 26th and 27th February, 2022.
2. **P. D. Nemade**, Y. H. Tambe, K. T. Patil, S. J. Kadbhane, P. D. Aher (2021). Fluoride removal from Drinking Water Using Electrocoagulation (EC) Process with AL electrodes, Strad Research, 8(12), pp. 1-12.
3. **P. D. Nemade**, K. T. Patil, S. J. Kadbhane, M. B. Patil, Y. H. Tambe (2021). Removal of hardness from drinking water by electrocoagulation using iron electrodes, International Journal of Emerging Trends in Engineering Research, Vol. 9 (11), pp. 1413-1417.
4. P. B. Kulkarni, **Pravin D. Nemade**, Ranjit Chavan, M. P. Wagh (2021). Development of Single-Phase Microbial Cementation Method and to Investigate its efficacy on Bearing Capacity, UCS, and permeability of Sandy Soils. Journal of Engineering and Technological Sciences, Vol. 53(6), (IF: 0.75) in press.
5. **Pravin D Nemade**, Krishnadeo T Patil, Pranita N Balve, Sharad J Kadbhane (2021). Treatment of Arsenic Contaminated Water by Electrocoagulation Using Punched Iron Electrode. International Research Journal of Engineering and Technology, 8(8), pp. 1335-1341. (IF: 7.5)
6. Ypgesh B. Tambe, **Pravin D Nemade** (2021) Efficacy of palm oil fuel ash as filler on mechanical properties of aerated concrete, Innovative Infrastructure Solutions, 6(2), (IF: 1.154)
7. Yogesh B. Tambe, **Pravin D. Nemade**. (2020). Efficacy of Cementing Materials in Proportioning And Optimization of Foamed Concrete Design Mix- A Review, Seybold Journal 15(9), pp. 4148-4162. (IF: 0.103)
8. M. P. Wagh, **P. D. Nemade**, Uday Naik, A. Sengupta (2020). Enhancing Colour and Chemical Oxygen Demand Degradation in Distillery Spent Wash by electrocoagulation and Ozone Assisted Electrocoagulation. Desalination and Water Treatment. 197, pp. 213-223. (IF: 1.23)
9. M. P. Wagh, **P. D. Nemade**, A. Sengupta (2021). Augmentation with Ozone-Assisted Electrochemical degradation of distillery spent wash for the removal of color and chemical oxygen demand. International Journal of Environmental Science and Technology, 18 (3), 619-630. (IF: 2.83)
10. Prakash B Kulkarni, **Pravin Dinkar Nemade**, Manoj Pandurang Wagh (2020). Healing of Generated Cracks in Cement Mortar Using MICP. Civil Engineering Journal, 6(4), pp. 679-692. (IF: 2.3)



11. P. B. Kulkarni, **P. D. Nemade** (2020). Strength Improvement of Locally Available Sand Using Enzymatically-Induced Calcite Precipitation. International Springer Conference at IIT Gandhinagar, Proceedings on Advances in Computer Methods and Geomechanics, pp. 495-503.
12. P. P. Kumbhare, S. M. Kale, M. B. Katkar, **P. D. Nemade** (2020). Monitoring and Evaluation of Water Quality of BHIMA River Based on Physico-chemical Data. Techno Societal-2018, 2<sup>nd</sup> International Conference on Advanced Technologies for Societal Applications, SVERI, Pandharpur, India, pp. 751-762.
13. PR Admile, **P. D. Nemade** (2020). Performance of Structural Concrete Using Recycled Plastics as Coarse Aggregate. International Springer Conference at IIT Gandhinagar, Proceedings on Advances in Computer Methods and Geomechanics, pp. 347-359.
14. Prakash Bhaskarrao Kulkarni and **PravinDinkarNemade**(2020). Evaluation of Experimental Datasets on Physical properties of Natural Sands and Crushed Sand. International Journal of Emerging Technologies, 11(3), pp. 127-132. (IF: 3.1)
15. ManojPandurangWagh, **PravinDinkarNemade**, Pradeep Jadhav (2020). Continuous Electro Coagulation Process for the Distillery Spent Wash Using Al Electrodes. Techno Societal-2018, 2<sup>nd</sup> International Conference on Advanced Technologies for Societal Applications, SVERI, Pandharpur, India.
16. ManojWagh, **Pravin D. Nemade** (2019). Remediation And Decolourization Of Distillery Spent Wash By Using Advanced Oxidation Processes – A Review. Indian Journal of Environmental Protection, 39(7), pp. 651-658. (IF: 0.25)
17. YogeshTambe and **PravinNemade**, (2019). Validation of Experimental and Analytical Results of Foamed Concrete Beam and Conventional Concrete Beam using ANSYS Workbench 14.5. Journal of Emerging Technologies and Innovative Research, 6(4), pp. 490-495. (IF:7.8)
18. **PravinNemade** et al., (2019). Wastewater Treatment by Locally Available Materials Using Bio Filter. International Research Journal of Engineering and Technology, 6(5), pp. 7387-7391. (IF: 7.5)
19. **PravinNemade** et. al., (2019). Treatment of Textile Wastewater by Using Electrocoagulation Process. International Journal of Technical Innovation in Modern Engineering & Science, 5(5), pp. 1085-1088. (SJIF: 5.85)
20. MeghaLawan, S. S. Bansode and **Pravin D. Nemade** (2017). A GIS Based Route Optimization For Solid Waste Management: A Case Study on IndapurMunicipalpty. International Journal of Advanced Research, Vol. 5(12), pp. 1427-36. (Impact Factor: 6.118).
21. SandipPalve, **Pravin D. Nemade**, GhudeS. D. (2018). MOPITT carbon monoxide its source distributions, interannual variability and transport pathways over India during 2005-2015, International Journal of Remote Sensing, (Taylor and Francis), Vol. ( ), pp. (Impact Factor: ).
22. ManojWagh, **Pravin D. Nemade**, (2018). Biodegradation of anaerobically treated distillery spent wash by Aspergillus species from a distillery effluent contaminated site. "Desalination and Water Treatment Journal. pp. 234-240. Doi: 10.5004/dwt.2018.21838. SCI Expanded, Scopus.

23. ManojWagh, **Pravin D. Nemade**, (2018). Biodegradation of anaerobically treated distillery spent wash by Aspergillus species from a distillery effluent contaminated site. *Desalination and Water Treatment*, Vol. 104 pp.234-240. (Impact Factor: 1.631).
24. ManojWagh, **P. D. Nemade**, (2017). An influence of experimental parameters in the treatment of anaerobically treated distillery spent wash by using ozone assisted electrocoagulation. *Desalination and Water Treatment*, Vol. 83 pp.7-15.(Impact Factor: 1.631)
25. A T GavaliVindoChaudhari, **P D Nemade**, S SJadhav, (2016). Retrofitting And Rehabilitation Of Existing Elevated Storage Water Tank, *International Journal of Civil and Structural Engineering Research*, 4(1), pp. 103-113 (Impact Factor:4.18)
26. **Pravin D. Nemade**Nalawade, Jagdale, Galande, Nimbalkar, Karche (2016). Effect of Nanosilica and Sugarcane Bagasse Ash on Strength of Concrete- A Review, *International journal of Recent Research in Civil and Mechanical Engineering*, 3(1), pp. 10-16. (Impact Factor: )
27. ManojWagh, **Pravin D. Nemade** (2016). Electro-Coagulation (Ec) Process to Treat Basic Dye. *International Journal Development and Research*, 6(5), pp. 7858-7862. (ISSN: 2230:9926) (Impact Factor: 4.25 SJIF)
28. **Pravin D. Nemade** et al., (2016). Effect of Nanosilica and Sugarcane Bagasse Ash on Strength of Concrete- A Review. *International journal of Recent Research in Civil and Mechanical Engineering*, 3(1), pp. 10-16. (ISSN: 2393-8471) (Impact Factor: )
29. **Pravin D. Nemade**, (2015). Arsenite and Arsenate Removal from Water by Household Bucket Filter. *International Journal of Water Research*, 5(2), pp. 58-63. (ISSN 2348 – 2710)
30. ManojWagh, **Pravn D. Nemade**, (2015). Treatment of Distillery Spent Wash by Using Chemical Coagulation (CC) and Electro -coagulation [EC]. *American Journal of Environmental protection*, 3(5), pp. 159-163. (ISSN 2328-7233)
31. Manoj P. Wagh, **Pravin D. Nemade**, (2015). Treatment Processes and Technologies for Decolourization and COD Removal of Distillery Spent Wash: A Review. *International Journal of Innovative Research in Advanced Engineering*, 7(2), pp. 30-40. (ISSN 2349-2163)(Impact factor: 3.916)
32. **Pravin D Nemade**, Bansode S S, Deshmukh P. S., V. B. Lawand, S. S. Kulal, S. M. Pawar (2015). Solid Waste Management and Route OptimizationBy Using GIS-A Case Study of Indapur City. *International Journal on Recent and Innovation Trends in Computing and Communication*, 3(5), pp.3293-3295. (ISSN 2321-8169)
33. **Pravin D. Nemade**, M. P. Wagh., (2015). Colour and COD removal of Distillery spent wash by using Electro coagulation. *International Journal of Engineering Research and General Science*, 3(3), pp.1159-1173. (ISSN 2091-2730)(Impact factor: 3.843)
34. PawarShahaji P., NipateKeshav V.,**Pravin D. Nemade**, (2015).Assessments of Soil Properties by Using Bacterial Culture. *International Journal of Innovations in Engg Research and Technology*, 2(6), pp.1-7. (ISSN2394-3696)(Impact factor:5.5)

35. Dalvi Mahesh, Sapkal Vijay, Barge Tushar, DhumalHarshan, AdmilePushkraj, Pravin D Nmedae, (2015). Effect on Shear in Deep Beam by Using Crimped Steel Fiber. International Journal of Innovations in Engg Research and Technology, 2(6), pp. 1-7. (ISSN 2394-3696)(Impact factor: 5.5)
36. **Pravin D. Nemade**. Admile P. et al., (2015).Assessment of P-Delta Effect on High Rise Buildings, International Journal on Recent and Innovation Trends in Computing and Communication, 3(5), pp. 3231-3236. (ISSN2321-8169)(Impact factor: 5.8)
37. M.V. Gaikwad, R. B. Ghogare, **P. D. Nemade** (2015). Finite element Analysis of Frame with Square meshing & radial meshing in soil structure Interaction., International Journal of Modern Engineering Research 5 (3), pp. 16-22. (ISSN 2249–6645)
38. S.D.Ghude S. N. Palve, **P. D. Nemade** (2014). Retrieval and Evaluation of Tropospheric and Stratospheric Air Pollution Over The Indian Tropical Subcontinent By Using Satellite Data., ISRS Proceeding, vol. 424, pp1-6. (ISSN)(Impact factor: )
39. **Pravin D. Nemade**, NageshSuryawanshi, (2014). Simple electrocoagulation set up using cloth filter for arsenite removal from aqueous solution, International journal of Elixir (Pollution), 75, pp. 27543-27546. (ISSN 2229-712K)(Impact factor: )
40. Deepika Singh, **P. D. Nemade** et al., (2013). Effect Of Phosphate and Silicate on Remediation of Arsenic from Drinking Water Using Zero Valent Iron, International Asian Academic Research Journal Of Multidisciplinary, Vol. 1, issue 9, pp. 243-251. (ISSN 2319-2801)(Impact factor: 1.03)
41. **P.D. Nemade**, S.M. Dutta, and H.S. Shankar, (2013). Tracer Dispersion in Constructed Soil Filter for Wastewater Treatment. International Journal Nature Science and Sustainable technology (JNSST), Vol. 7, Issue 1.(ISSN1933-0324)(Impact factor: )
42. Ramesh Rathod, NageshSuryawanshi, **Pravin D. Nemade**, (2013). Evaluation of the properties of Red Mud Concrete, International organization of scientific research journal of Mechanical and Civil Engineering (IOSR-JMCE), pp. 31-34. (ISSN2278-1684)(Impact factor: )
43. Nagesh T. Suryawanshi, Samitinjay S. Bansode, **Pravin D. Nemade**. (2012). Use of Eco-friendly Material Like Fly Ash in rigid Pavement Construction and Its Cost Benefit Analysis. International Journal of Emerging Technology and Advanced Engineering, Vol. 2, Issue 12, pp. 795-800. (ISSN2250-2459)(Impact factor: )
44. **P. D. Nemade**, Thakare R. R., Suryawanshi N. T. (2012). Comparison of Arsenic Adsorption by Electrocoagulation and Chemically Generated Hydrous Ferric Oxide (HFO) from Water, International Journal of Engineering Research & Technology(IJERT), Vol. 1, Issue 5, July, 2012, pp. 1-10.(ISSN 2278-0181)(Impact factor: )
45. **Nemade P. D**Patil R. N. and Wagh P. R. (2011). Adsorption of As(III) and As(V) from Aqueous Solution by Rice Husk, International Journal of Research in Engineering and Technology( InJoREST), January Issue pp. 32-40.(ISSN 2229-5135)(Impact factor: )

46. **Nemade P. D.**, Kadam A. M., Oza G.H, Dutta S. M., Shankar H.S., (2010). Removal of Arsenite from water by soil biotechnology, International Journal of Environment & Pollution, Vol. 43, No. 1/2/3.(ISSN1741-5101)(Impact factor: )
47. **Nemade, P. D.**, Dutta, S. M., Shankar, H. S. (2010). Residence Time Distribution & Oxygen Transfer in Constructed Soil Filter. Journal of Chemical Technology & Biotechnology, 85(1), 77-84. (ISSN 1097-4660)(Impact factor: )
48. **Nemade, P. D.**, Kadam, A. M., Shankar, H. S. (2009). Removal of iron, Arsenic & Coliform from Water by Novel Constructed Soil Filter (CSF) System. Ecological Engineering, 35, 1152–1157.(ISSN 0925-8574)(Impact factor: )
49. Kadam, A. M., **Nemade, P. D.**, Oza, G. H., Shankar, H. S. (2009). Wastewater Treatment using Laterite based Constructed Soil Filter. Ecological Engineering, 35(7), 1051–1061.(ISSN 0925-8574)(Impact factor: )
50. **Nemade, P. D.**, Kadam, A. M., Shankar, H. S. (2009).Wastewater Renovation using Constructed Soil Filter (CSF): a novel approach. Journal of Hazardous Materials, 170, 657–665.(ISSN0304-3894)(Impact factor: )
51. **P. D. Nemade**, A. M. Kadam, H. S. Shankar. (2009). Adsorption of Arsenic from Aqueous Solution on Naturally Available Red Soil, Journal of Environmental Biology, 30 (3), pp.(ISSN 2394-0379)(Impact factor: )
52. Kadam, A., G. Oza, **P. Nemade**, A. Surti, H. Shankar. (2009). Sorption of pathogens on to Natural Materials. Journal of Environmental Biology, 30 (3), pp.(ISSN2394-0379)(Impact factor: )
53. Avinash M. Kadam, Goldie H. Oza, **Pravin D. Nemade**, Hariharan S. Shankar. (2008). Pathogen removal from municipal wastewater in Constructed Soil Filter, Ecological Engineering, 33(1), pp. 37-44.(ISSN0925-8574)(Impact factor: )
54. Avinash M. Kadam, Goldie H. Oza, **Pravin D. Nemade**, S. Dutta, Hariharan S. Shankar. (2008). Pathogen removal from municipal wastewater in Constructed Soil Filter, Chemosphere, 71(5), pp. 937-981.(ISSN 0045-6535)
55. **P. D. Nemade**, A. M. Kadam, H. S. Shankar. (2008). Arsenic and Iron removal from Water using Constructed Soil Filter- a Novel Approach. Asia Pacific Journal of Chemical Engineering, 3(5), pp. 497-502. (ISSN1932-2143)(Impact factor: )
56. **Nemade P.D.**, Kadam A.M., Oza G.H., Dutta S. M., Shankar H.S. (2007). Adsorption of Arsenite and Arsenate from water by HFO. Indian Journal of Environmental Protection, 27(4), pp. 296-302.(ISSN 0253 - 7141)(Impact factor: )

57. **Nemade P. D.**, Kadam A.M., Oza G.H., Dutta S. M., Shankar H.S. (2007). Effect of anions on arsenic adsorption with iron hydroxide- a review. *Indian Journal of Environmental Protection*, 27(12), pp.1057-1064.(ISSN 0253 - 7141)(Impact factor: )
58. Kadam, A. M., **P. D. Nemade**, G. H. Oza, H. S. Shankar. (2008). Uptake of Nitrogen from Aqueous Solution by Adsorption onto Various Low Cost Materials. *Indian Journal of Environmental Protection*, 28(6), pp. 535-539.(ISSN0253 - 7141)(Impact factor: )
59. **Nemade P D**, Nayak D, and Hussain U M. 2003. Fluoride concentration in groundwater and its effects: an Indian scenario. *Environmental Pollution Control Journal* 7(1): 39–46.(ISSN)(Impact factor: )
60. **Nemade et al.**, (2002). Removal of Fluoride from Water Using Low Cost Adsorbents. *International Journal of Water Supply*, Vol. 2, No. 1, pp.311- 317, 2002.(ISSN)(Impact factor: )
61. **Nemade P. D.**, Alappat B. J. (2000).Nox Control Technology Stationary Sources”, *Indian Jr. of Environmental Protection*, 20 (1), pp. 1-5.(ISSN0253 - 7141)(Impact factor: )
62. **Nemade et al.**, (2002). Enzyme Technology for treatment of paper and pulp wastewater, *Nature, Environment and Pollution Technology*. (ISSN 2395-3454)(Impact factor:1.621)
63. **Nemade et al.**, (2002). Methane Generation from landfills In India, *Indian Jr. Environmental Protection*, Vol. 22, No.4, 2002, pp. 473-480. (ISSN0253 - 7141)(Impact factor: )
64. **Nemade et al.**, (2002). Bio-energy Potential of Distillery Spent wash, *Indian Jr. Of Environmental Pollution Control*. (ISSN 0972-1541)(Impact factor: )
65. **Nemade et al.**, (2003). Application of Anaerobic Technology for Biomethanation of Paper and Pulp Mill Effluent- An Insight, *Environmental Pollution Control Journal*, Vol. 6, No. 6, pp. 6-15.(ISSN 0972-1541)(Impact factor: )
66. **Nemade et al.**, (2003). Studies on the Bench Level Aerobic Biological Treatment of Raw Distillery Waste. *Indian Journal of Environmental Protection* 23 (1), pp. 69-73. (ISSN0253 - 7141)(Impact factor: )
67. **Nemade et al.**, (2003). Anaerobic batch digestion of vegetable market waste. *Nature Environment Pollution Technology*, 2(2), pp. 229-234. (ISSN2395-3454)(Impact factor:1.621)
68. **Nemade et al.**, (2003). Importance of alkalinity and volatile fatty acids during start-up and operation of UASB reactor, *Indian Journal of Environmental Protection* 23 (12), pp. 1382-1387. (ISSN0253 - 7141)(Impact factor: )
69. **Nemade et al.**, (2003).Fluoride Concentration in Groundwater and its Effects – An Indian Scenario, *Environmental Pollution Control Journal*, Vol. 7, No. 1, pp. 39 -44.(ISSN 0972-1541)(Impact factor)

## Selected Conference and Poster

1. P. B. Kulkarni, Pravin D. Nemade, (2019). Strength improvement of locally available sand using enzymatically-induced calcite precipitation. Springer Proceeding of IACMAG, March 5-7, 2019, IIT Gandhinagar.
2. Pushkaraj Admile, Pooja P. Kumbhare, Pravin D. Nemade, (2019). Performance of structural concrete using recycled plastic as a coarse aggregate. Symposium of the International Association for Computer Methods and Advances in Geomechanics (IACMAG) on March 5-7, 2019 at IIT Gandhinagar, Springer Proceeding of IACMAG, 2019, IIT Gandhinagar.
3. Manoj Wagh, Pravin D. Nemade (2017). Mathematical Modeling by using Taguchi and Surface Response Methodology (SRM) to treat the distillery spent wash. International Conference on Groundwater, IGWC, held at Delhi, 11<sup>th</sup> to 13<sup>th</sup> December 2017.
4. S.D. Ghude S. N. Palve, **P.D. Nemade** (2016). The application of remote sensing techniques for air pollution analysis and climate change on Indian subcontinent, IOP Conf. Series: Earth and Environmental Science, Vol. 37, pp. 1-10, IOP Publishing.
5. Anuradha Pore, P. D. Nemade, (2016). Understanding Parking System And Its Importance For Smart City- A Case Study Of Pune. International Conference on Advances in Civil Infrastructure and Development of Smart Cities ICACIDS-2K16, on 26-28 February, 2016, at RIT Sakhrle, Sangli, Maharashtra, India.
6. **Pravin D. Nemade** (2015). Sustainable Approach for Recycle of Wastewater Using GeoBioFilter. International Conference on Water From Pollution To Purification, (ICW-2015), at M. G. University, Kottayam, Kerala, 23 to 26 January, 2015.
7. Yogesh Tambe, Chavan Dhiraj, Rakesh Thakare, **Pravin Nemade** (2013). Removal of Fluoride from Water using Electrocoagulation (EC) Using Combine Al and Fe Electrodes, National Conference on environmental Surveillance for Natural Resources and Management (ESNRM-2012), held at School of Environmental and Earth Sciences, NMU, Jalgaon.
8. Rathod R. R, N.T. Suryawanshi, **P. D. Nemade**, (2013), Evaluation of the properties of Red Mud Concrete” Presented in ICETE-2013 2<sup>nd</sup> International Conference on Emerging Trends in Engg at Dr. J. J. Magdum COE, Kolhapur on Feb 22<sup>nd</sup> & 23<sup>rd</sup> 2013.
9. Ramesh Rathod, Nagesh Suryawanshi, **Pravin D. Nemade**, (2013). Assessment of Properties of Composite Concrete Made by Using Rice Husk and Red Mud, International Conference Emerging Trends in Technology And It's Applications, (Icetta - 2013), 6<sup>th</sup> - 7<sup>th</sup> March 2013, held at Yadavrao Tasgaonkar Institute of Engineering & Technology. Karjat, Dist Raigad.
10. **P. D. Nemade**, R. N. Patil, S.V. Wagh, D. P. Joshi (Jan 2011). Adsorption of As(III) and As(V) from Aqueous Solution by Rice Husk. International Conference on Sunrise Technologies, SSVPS B. S. Deore College of Engineering, Dhule, Jan, 13-15, 2011 selected.
11. **P. D. Nemade**, R. B. Ghogare, P. A. Sawant, P. S. Karthik and H. S. Shankar. (Sept, 2010). Wastewater Renovation by Constructed Soil Filter-A Green Sustainable Technology. 3<sup>rd</sup> International Congress of Environmental Research, University of Mauritius, Reduit, Mauritius, Sept 16-18, 2010.

12. **P. D. Nemade**, P. S. Karthik, T. R. Reddy, H. S Shankar. (2010). Removal of carbon and nitrification of wastewater using Constructed Soil Filter. 3rd International perspective on current & future state of water resources & the environment Conference (ASCE) India-2010 at IIT, Madras, Tamilnadu, India.
13. **P. D. Nemade**, A. M. Kadam, H. S. Shankar. (2008). Remediation of Arsenic & Iron Contaminated Groundwater Using Novel Constructed Soil Filter (CSF) System, International groundwater Conference on Groundwater Dynamics & Global Change, March 11-14, 2008, University of Rajasthan, Jaipur.
14. **Nemade P.D**, Shankar H.S., Kadam A.M., Oza G.H. (2007). Removal of Arsenic from Drinking Water: Recent Trends and Development. Third International groundwater conference (IGC-2007) on Water, Environment and Agriculture Present Problems and Future Challenges (Feb. 7-10, 2007), at Coimbatore, Tamilnadu, India.
15. Kadam A.M.,Oza G.H. **Nemade P.D.**, Dutta S.M., Shankar H.S., 2007. "Reuse of Municipal Wastewater by Soil Biotechnology system-a case study". Trombay symposium on desalination and water reuse (TSDWR 07), February 7-9, 2007, Mumbai.
16. **Pravin D. Nemade**, Avinash M. Kadam, Goldie H. Oza, Supritam M. Dutta, H. S. Shankar. (2007). Arsenic Adsorption onto Hydrous Ferric Oxide (HFO) from Water. 2<sup>nd</sup> IWA ASPIRE, *Asia-Pacific regional Group conference & Exhibition on Water and Sanitation in the Asia-Pacific region: opportunities Challenges and Technology*, 28 Oct-1 Nov 2007, Perth Convention Centre, Australia.
17. **Pravin D. Nemade**, A. M. Kadam, H. S. Shankar. (2008). Removal of Arsenic from Water in presence of Phosphate by Constructed Soil Filter (CSF), 8th Specialized Conference on Small Water and Wastewater Systems (SWWS) and 2nd Specialized Conference on Decentralized Water and Wastewater International Network (DEWSIN), Kumaraguru College of Technology, Coimbatore, India February 5 to 9, 2008.
18. **Nemade P.D.**, Kadam, A.M., OzaG.H.,Dutta S.M., Shankar H.S., 2007. "Adsorption of Arsenite (As III) by soil biotechnology and hydrous ferric oxide". International conference on water management and technology applications in developing countries, Water Malaysia, 14-16<sup>th</sup> May, 2007.
19. Kadam A.M.,Oza G.H. **Nemade P.D.**, Sathyamoorthy M.V., Dutta S.M., Shankar H.S., 2007. "Wastewater Purification using *Soil Biotechnology* System". National Conference on "Emerging Technology and Developments in Civil Engineering", 22-23 March, 2007, Govt. College of Engineering, Amravati, India.
20. Kadam A.M., Oza G.H. **Nemade P.D.**, Dutta S. M., Shankar H.S. Reuse of Municipal Wastewater by Soil Biotechnology system-a case study. Trombay symposium on desalination and water reuse (TSDWR 07), February 7-9, 2007, Mumbai.
21. Kadam A. M., **Nemade P. D**, Oza G.H., Sathyamoorthy M.V., Dutta S.M., Shankar H. S. (2006). Water Purification using Soil Biotechnology System. PAN IIT Conference at VandreKurla Complex, Mumbai, Dec 23- 25.

### **Faculty development programs (STTP/workshops/QIP) attended:**

1. One-Week Short Term Training Programme on “Advances in Geotechnical Earthquake Engineering” conducted by Marathwada Institute of Technology, Aurangabad, during 25<sup>th</sup> - 29<sup>th</sup> October 2021.
2. AICTE sponsored one week Short Term course on Design of landfills and Waste Containment System from 5<sup>th</sup> July to 9<sup>th</sup> July 2021, organized by IIT Bhubaneswar.
3. One week Short Term Training Program on Advances in Geotechnical Engineering and Reliability of Structures, from 23<sup>rd</sup> August to 27<sup>th</sup> August 2021, organized by MIT, Aurangabad and IGS chapter.
4. QIP STTP on “Distillery Wastewater management: achieving the goal of zero discharge” conducted by CESE, IIT, Bombay during October 29 to November 2 2007.
5. QIP STTP on “Managing municipal and biomedical wastes for communities” conducted by CESE, IIT, Bombay during November 28 to December 2 2005.
6. QIP STTP on “Environmental management in industries” conducted by CESE, IIT, Bombay during October 13 to October 17 2008.
7. QIP STTP on “Advanced Water and wastewater treatment technologies and modeling techniques” conducted by CESE, IIT, Bombay during November 29 to December 3 2004.
8. QIP STTP on “Advanced waste minimization and management technologies” conducted by Department of Civil Engineering, IIT, Kharagpur during November 20 to November 25 2000.
9. STTP on “Remote sensing and geographic information system for resources management” organized by Department of Applied Mechanics and Hydraulics NITK, Surathkal, Karnataka during February 3-15, 2003.
10. AICTE-ISTE STTP on “Environmental management for the new millennium” organized by Department of Civil Engineering, RIT Sakharale, Islampur, during may 22- June 2, 2000.
11. QIP STTP on “Data structures in C and C++ ” conducted by Department of Mathematics IIT, Kharagpur during June 29 to July 17 1998.
12. Indo-Italian workshop on “Emerging technologies for industrial wastewater treatment and environment” held at NEERI, Nagpur during September 2-4, 2002.
13. Workshop on “Environmental Assessment” organized by Environmental Management Centre (EMC), Pune during January 12-13 2002.
14. Workshop on “Geological studies related to groundwater exploration and management” organized GeoForum and Career Guidance of Maulana Azad College, Aurangabad, during April 10-11 2004.
15. One day Workshop on “Solid waste management” organized by Department of Civil Engineering at D. Y patil College of Engineering, Pimpri, Pune, on March 23, 1997.
16. International workshop on “R & D frontiers in water and wastewater management” held at NEERI, Nagpur, during January 20-21 2006.



17. 3 Days Workshop on “Environmental development for the Environmental citizenship cell managers of technical institutions” sponsored by ISTE conducted by TTTI, Madras, during 22 January to 24 January 1996.
18. National workshop on “Environmental protection- A scientific perspectives”, conducted by Y. C. College of Engineering, Nagpur during 27 December to 28 December 1996.
19. 3<sup>rd</sup> International groundwater conference (IGC-2007) on water, environment and agriculture present problem and future challenges organized by Tamilnadu Agricultural University at Coimbatore, during 7-10 February 2007.
20. 8<sup>th</sup> IWA specialized conference on small water and wastewater system & 2<sup>nd</sup> specialized conference on decentralized water and wastewater international network, held at Kumaraguru College of Technology (KCT), during February 6-9 2008.
21. International conference on “Environmental management: Scenario and strategies to 2020” Sponsored by (TEQIP) by Department of Chemical Engineering held at Ujjain Engineering college, Ujjain, (M.P.)
22. One Day workshop on Social media Awards and its use in Higher Education organized by ASMA Annual Convention , at Pune on 19 August 2017.
23. One day Workshop on Education Innovation Conference on 27 July at Pune
24. One day Workshop on IndoGlobal Education Summit on 17 July 2017 at Mumbai
25. One Day Workshop on “ Aiming for Excellence: Pathways to Institutional Advancement through Research, 30 November, 2017 at COEP, Pune, Maharashtra.
26. One Day workshop on Future of Work, organized by ICT Academy at Grand Sheraton, Pune, Maharashtra on
27. National conference on Indian Higher Education, Theme: Challenges on Autonomy and Accountability, Sunday 19<sup>th</sup> August 2018 organized by EPSI, at Hyatt Regency, Pune.
28. Attended the 4<sup>th</sup> International conference on “ NANOCON”, organized by Bharti Vidyeeth, College of Engg, Pune on 25, 26 October, 2018.
29. Industry interaction meet organized by COEP, Pune, on at Grand Sheraton, Pune
30. Higher education Technology, 2<sup>nd</sup> November, 2018 at Grand Sheraton, Pune organized by

#### **Extra-curricular activities**

1. Delivered lecture in the ISTE approved short term training programs on several topics such as environmental engineering, ground water, teaching methodologies etc in May 2001, 2003
2. Delivered lectures in North Maharashtra University in School of Environmental Sciences and University, Nanded.

**Administrative Responsibilities:**

1. Approved Professor and Principal Under SavitribaiPhule Pune University, Pune
2. Experience and knowledge of ISO-2015 (EMS), NAAC and NBA accreditation
3. Member, on North Maharashtra University, Jalgaon approval committee
4. Worked as in-charge of NBA preparation committee for the department for NBA committee visit of 2003.
5. Worked as Head of Civil Engineering Department at J.T.M. College of Engg, Faizpur.

**Design of new course/syllabus:**

1. Involved in new syllabus and course for SE civil, 2019-20 as per AICTE guidelines under SavitribaiPhule Pune University.
2. Introduced and updated new course/electives in EnvEngg at North Maharashtra University, Jalgaon.

**Career Aspirations**

- To work with renowned organization.
- To develop best institution to cater the needs of societal problems and employments.
- To work in rural as well as urban environmental problems in India and abroad, particularly in the area of water and sanitation, agriculture practices, environmental health & toxicology.
- Keen to work in the area of research and technology development