

**PERSONAL DETAILS: Dr S N TIRTHAKAR**  
**(As on 02/04/2021)**



**FULL NAME** : Dr SHAVARU NAGANATH TIRTHAKAR

**DATE OF BIRTH** : 11/09/1967

**ORGANISATION** : COLLEGE OF MILITARY ENGINEERING, PUNE  
Category 'A' Establishment of Ministry of Defence,  
Govt of India

**DESIGNATION** : Professor in Civil Engineering

**ACADEMIC QUALIFICATIONS :**

- Ph D (Civil Engg );Oct 2007
- M E (Civil Engg );Jan 1993, Walchand College of Engineering, Sangli  
Environmental Engineering
- B E (Civil Engg); July 1990,  
Stood Third in University Rank  
Qualified in GATE-90 Examination.

**CONTACT DETAILS:**

**Residential Address** : Svy No. 87/14+16, 'Manas Green', Flat :- 204, Veerbhadra Nagar,  
PUNE-411 045

**Telephone No** : 9890813570 (M), 020-25805061 (O); 020-27293124 (R)

**E-Mail ID** : shavaru1109@gmail.com

**TEACHING AND RESEARCH EXPERIENCE**

Teaching – 28 years, Research - 5 years, Field/Consultancy/Professional- 02 years.

- **Professor**, College of Military Engineering, Pune-31  
(28/8/2014 onward)
- **Associate Professor**, College of Military Engineering, Pune-31  
(28/8/2011 to 27/8/2014)
- **Assistant Professor**, College of Military Engineering, Pune-31  
(01/01/2006, 28/8/2008 to 27/8/2011)
- **Assistant Professor**  
(28/8/2008 to 27/8/2011)
- **Sr. Lecturer**, College of Military Engineering, Pune-31  
(28/8/2004 to 27/8/2008)

- **Lecturer**, College of Military Engineering, Pune-31  
(28/8/1999 to 27/8/2004 )
- **Lecturer**, AISSMS College of Engineering, Kennedy road, Pune-1  
(2/4/1993 to 27/8/1999)
- **Environmental Engineer**, Environmental Protection Research Foundation,  
(EPRF), Vishrambag, Sangli  
(Jan 1992 to March 1993)

#### **ADMINISTRATIVE EXPERIENCE:**

- Staff Officer(SO2, Trg) to Faculty Commander,  
(July 2000 to June 2001)
- Staff Officer(SO1, Trg) to Faculty Commander,  
(Apr 2013 to June 2013)
- Staff Officer(SO Exam) to Faculty Commander,  
(July 2014 to Jun 2016)

**(Separate copy attached)**

#### **COUNTRY VISITED / COURSE ABROAD (2 Weeks- Dec 2000)**

Two weeks basic training on Scanning Electron Microscope (Imaging and EDAX) at Philips laboratory, Endovan city, **THE NETHERLANDS (HOLLAND)**. Other European countries visited- FRANCE (PARIS), BELGIUM.

#### **PAPERS PUBLISHED IN NATIONAL JOURNALS (ISSN):** 25(Twenty Five)

Published sixteen research/technical papers in ISSN numbered journals on various upcoming areas in Environmental Engineering. Details attached as appendix "A".

#### **PAPERS PUBLISHED IN INTERNATIONAL JOURNAL**

Published a paper in International Journal - Asian **Journal for Water, Environment and Pollution**. IOS Press, Nieuwe Hemweg 6B, 1013 BG Amsterdam, "**THE NETHERLANDS**" on "Upgradation of Sewage Treatment Facility of Pune and Pimpri-Chinchwad City : A Step Towards Sustainable Development", April 2012 issue, Volume 9, Number 2/2012, pages, 91-99.

**PAPERS PRESENTED IN NATIONAL SEMINARS/CONFERENCE: 07 (Seven)**

Presented seven technical papers in national seminars/conference on various up coming areas of Environmental Engineering. Details attached as appendix "A".

**CENTRAL/ QIP LECTURES DELIVERED : 09 (Nine)**

Delivered eight central/QIP programme/ tailor made lectures to CME, various organizations. Member of the team of central lecture at CME on "**INTERBASIN WATER TRANSFER**". 21 st March 2013. Resource person for short term programmes /QIP programs of Engineering Colleges in and around Pune. Details attached as appendix "A".

**RESEARCH GUIDE:**

Approved guide of University of Pune for Ph D research in the faculty of Civil Engineering.

**EVALUATION OF Ph D THESIS:**

Evaluated thesis report and conducted open defence of one Ph D Thesis of Solapur University, on the research topic " Turbidity removal using blended coagulant Moringa Oleifera and Alum" 8 June 2015.

**DEVELOPED A TRAINING MODULE TO POST GRADUATE STUDENT OFFRS (APM TRAINEES) OF ARMED FORCES MEDICAL COLLEGE (AFMC) PUNE**

Developed and delivered a one week module on **Water quality, Purification, Advanced Water Treatment Processes and Sewage Treatment, Disposal** to post graduate student officers of **Armed Forces Medical College (AFMC)**, Pune. (Dec 2007, Dec 2008, July 2009, April 1012, April 2013)

**LEARNING RESOURCES DEVELOPMENT**

Developed a comprehensive Computer Based Training (CBT) Package on "**WATER SUPPLY ENGINEERING**" and "**SANITARY ENGINEERING**" for College of Military Engineering, Pune

## **COMMUNITY EDUCATION**

- (i) Published two articles in daily “Sakal” - Pune and Solapur edition on “**Sensible Water Use**” and “**Water Quality**” on 23<sup>rd</sup> March 2011 world water day and June 2011 respectively.
- (ii) Published an article on “Sensible Use of Water and Waste Water Re-use” in **JAL SAUNWAD**, July 2012 issue, a monthly magazine published by a Bhartiya Jalsanskriti Mandal, Aurangabad/Pune
- (iii) Conducted a health and hygiene survey of village- Kasurdi, Taluk-Daund, Dist: Pune in association of Preventive Medicine dept of AFMC, Pune in the month of April 2012 and submitted a proposal for improvement of water supply and sanitation.

## **FIELD/CONSULTANCY PROJECTS**

Worked on several Civil/ Environmental Engg related consultancy projects at EPRF, Sangli. List attached as Appx “B”.

## **PUBLICATION OF BOOK**

Authored a full section on “**WASTE TREATMENTS**” in a book titled Chemistry II, Nirali Publications, Pune (Jan 2010, Jan11, Feb12, Feb 13 editions).

## **MEMBER OF PROFESSIONAL BODIES**

- (i) Life Member of Indian Society of Technical Education,(ISTE) New Delhi.
- (ii) Associate member of Journal of Institution of Public Health Engineers (IPHE),Kolkata
- (iii) Associate member of Journal of Indian Water Works Association(IWWA), Mumbai
- (iv) Life member of Journal of Institution of Military Engineers,(IME),Pune

## **REVIEWER/ REFEE OF THE JOURNALS**

- (i) The Journal of National Institute of Construction Management and Research (NICMAR), Pune.
- (ii) The Journal of Institution of Military Engineers(IME), Corps of Engineers, Pune

### **M. TECH STUDENT GUIDANCE.**

- (i) Guided as external guide to M Tech student of School of Environmental & Earth Sciences, North Maharashtra University, Jalgaon for the dissertation on the subject 'Studies on Effectiveness of Different Waste Polymer Materials in Concrete and its Use in repair of Pavements-A waste Management' academic yrs 2013-2016.
- (ii) Guided two M.Tech student of SPPU (DYP) for the dissertation topic ' Removal of Fluoride from Drinking Water by using low cost Adsorbant' and Removal of lead from battery Industry wastewater by powdered activated carbon 'June-2015-2016
- (iii) Guided two M Tech (Civil)-Environmental Engg students of AP College of Engg and Research /SP University of Pune, for the dissertation topic ' Simplified Sequencing Batch Reactor for the treatment of centralized kitchen wastewater in urban areas' and 'Experimental study on use of treated sewage for urban Agriculture" . June 2016- 2017

### **Ph D/ M. TECH / PGDCM DISSERTATION EVALUATION**

- (i) Evaluated one PhD Thesis and conducted open defence of research scholar of Solapur University, Solapur on 08 June 2015 in Civil Engineering discipline and Pre-synopsis of one research scholar of VTU, Belgavi on 11 Oct 2015.
- (ii) Evaluated 16 M.Tech (Environmental Engineering) dissertations, Walchand College of Engineering, Sangli and Department of Technology, Shivaji University Kolhapur and 4 M.Tech (Environmental Engineering) dissertations of Dr D Y Patil college of Engineering and Research, Akurdi, Pimpri-Chinchwad , Nov 2015/Sept16.
- (iii) Evaluated more than 20 PGDCM, Project reports/Dissertations of National Institute of Construction Management (NICMAR), Pune

**(Dr S N Tirthakar)**

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**FIELD/CONSULTANCY PROJECTS**

- Worked on several environmental consultancy projects at Environmental Protection Research Foundation (EPRF), SANGLI (Year 1991-93)
- Environmental Audit of about 10 Sugar and Distillery Industries in Maharashtra and Karnataka. (Year 1992-93)
- Air Pollution: Stack monitoring of about 15 Sugar Industries in Maharashtra and Karnataka (Year 1991-93)
- Storm Water Drainage Design of 5 Sugar Industries in Maharashtra., (Year 1991-93)
- Survey of All India Shri Shivaji Memorial Society, HQ and Garden area, Shivaji Nagar, Pune- 5, (Year 1996)
- Drip irrigation project of township project, Pune ( year 1998)
- Drip Irrigation System Design for rear garden of College of Military Engineering (HQ), Pune-31, (Year 2003)
- Process design for wastewater treatment of potato and sweet corn processing unit, Satara road, Pune ( Year 1999)

**(Dr S N Tirthakar)**

**Administrative responsibility as Staff Officer (Trg)/Staff Officer (Exam) of Faculty of Civil Engineering**

**Staff Officer(SO1) Training:** The duties and responsibilities of staff officer training were co-ordination of training activities of the faculty, teaching work load of the semester, preparation and publication of weakly training programme of the faculty, coordination with the JNU regarding block syllabus, detailed syllabus of degree course, evaluation methodology, training assessment, scheduling of syndicate seminars, presentation of integrated projects. Complete coordination of JNU Academic Council Meeting and Scroll presentation of passing out courses etc. – includes preparation of final scroll presentation, various awards, and certificates.

**Staff Officer(SO) Examination:** The duties and responsibilities of staff officer examination were scheduling of faculty examinations P-I, P-II and end semester examinations, arranging the invigilators, collection of question papers, xerox and seal of question papers, supervision of conduct of examination, conduct of theory, practical, seminar examinations, collection of marks sheets, compilation of exam results, cross checking the results with results prepared by course officers and professors. Preparation, compilation and arranging the results of EODE/TES for verification by JNU, New Delhi. Preparation for ratification of results by JNU Academic Council Meeting (ACM)

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