**Dr. SHANTINI A. BOKIL**



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Sr.No. 128/2, Navketan Society **Mobile:** +91 8007774113

Manobhav, Karve Road, Lane No.4, **Date of Birth :**30thNovember 1974

Near Rajhans Chowk, Ex-Servicemen Colony, **Category:** Open

Kothrud, Pune – 411 038.

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**SUMMARY**

A fine professional, responsible in preparing and delivering lectures in classroom discussions.Familiarwith various Environmental and Sustainable Engineering concepts and practices. Have formed lesson strategies, presented creative presentation material to students, responding to students learning needs and evaluating students’ progress. Have sound background in engineering and the ability to conduct research and feasibility studies in fields of interest; I have completed a doctorate degree in the area of “Environmental and Sustainable Engineering “. Have a touch base with other engineering professionals to update on latest principles that govern the field that will enhance the learning experience of students.Very communicative, so can reach effectively to students level Passionate and Sensitive about what I deliver to the students. Good Student’s Counselor, coordinator,a good Organizer, Leader.

**AREAS OF INTEREST**

Environmental and Sustainable Engineering, Waste water treatment, Waste Management. Working on various Industrial projects.

**EDUCATION**

***PhD: :***Awarded in by SantGadge Baba Amravati University,

Amravati (Affiliation with I.I.T. Bombay, for Adsorption technique)

***M.E. :* C**ollege of Engineering, Pune in July 2006 with 62%.

***BE (Civil) :*** Maharashtra Institute of Technology, Pune (MIT) in July 1997 with First Class

With Distinction.

***Diploma (Civil) :*** CusrowWadia College of Technology, Pune in March 1993 in First Class with

Distinction with 78%.

***SSC: :***Maharashtra State Board, Pune in March 1990 in First Class withDistinction

with 81%.

**WORK EXPERIENCE (Total 23 years)**

Industrial Experience : 2 years

Academic Experience : a) 2 years (MIT Pune)

b) 17 years (MITCOE Pune, Founder member)

c) Since two years: as a Professor in Civil Engineering in

MITWPU

Major Strengths : Good Counselor, coordinator, a good Organizer, Leader

FE Coordinator, 2002 - 2007

Very Communicative, so can reach effectively to students level

Passionate and Sensitive about what I deliver to the students.

Major Weaknesses : Organization of the time. Can be More focused.

Date of Joining in MIT : 31.8.2001

Designation as on date of Joining: Lecturer in Civil Engineering

Present Designation : Professor and Associate Head in Civil Engg in School of Civil

Engineering

**SUBJECTS TAUGHT**

**RESEARCH/PROJECT WORK**

**PhD:** Thesis title “APPLICATION OFAGRO-BASED WASTE MATERIALSAS ADSORBENT FOR THE REMOVAL OF CONTAMINANTS (ORGANIC /INORGANIC) FROM THE SECONDARY TREATED INDUSTRIAL EFFLUENT” under the guidance of Dr. Rampravesh K. Rai ASSOCIATE PROFESSOR IN CIVIL ENGINEEING GOVERNMENT COLLEGE OF ENGINEERING, AMRAVATI

**TEAMWORK/LEADERSHIP EXPERIENCE**

* Founder member of MIT College of Engineering, Pune.
* Head – First Year Engineering, from 2001-2007, establishing and setting the labs required for First Year Engineering.
* University (SPPU) examination coordinator and custodian for 9 years.
* Mentoring and guiding First Year grooming students.
* Coordinating programs like Gathering, Women’s Day, Foundation Day and other college level programs.
* Coordinator of Indo-Italian Conference.GCE-2007)
* Convener of 5 days CSIR sponsored STTP (FDP) on Environment and Waste Management Technology (EWMT-2008)
* Member of S.E. and B.E. Syllabus Revision Committee of SPPU, Pune
* Team member of the NBA college level committee. 2010-11)
* Developing labs and other infrastructure of Civil Engg. Department (2012)
* Paper setter of ME Civil – Construction Management. (SPPU)
* Member – College level Women Grievances Cell.
* Participated in many Conferences, Workshops and Seminars
* Incharge Cultural activities of the Universit
* Coordinator National FEST: AAROHAN
* Presently Head of Department of Civil Engineering, MIT College of engineering

**PROFESSIONAL AFFILIATIONS**

* Life Member of Indian Water Work Association.
* Life member of ISTE
* Life member of Indian Institute of Engineers

**INDUSTRY INTERACTIONS**

* Apex Environ Pvt. Ltd.
* CWPRS

**Guided : Projects on** –

* Passive Architecture and Engineering.
* Sustainable Transportation Programs
* Smart cities Implementation Devices in Water Management
* Recyclable Embankments for Water Storages
* Unconventional Water Treatment Systems

**Member** for Peace Program at MIT WPU.

Deliver lectures on **“ Sharing Happiness**” for women and “**Science and Spirituality**”

**Personal Mission Statement**

I do believe that every person is unique. Every one of us has the capacity and power to choose abundant life full of happiness, health and joy.

The infinite intelligence always leads and guides me to bless every one with love and harmony in their every action in life. I am passionate about guiding and facilitating the younger generation for their overall development.

In this Era of internet and globalization, every student is well equipped with the latest information and is unable to assimilate to apply it on the in the day to day activities. They remain confused and float in this abundant information available and are not focused to take a definite decision.

The Universe always blesses some human beings with a heart of full of compassion and eager to guide these students. I feel I am one of them and would surely like to use this asset for the benefit of my students.

**PUBLICATIONS**

**Publication in Journals:**

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| **S.No.** | **Research Paper details** | **Journal / publication details** |
| 1 | Application of a Mathematical Modelling Tool for the Evaluation of Hydrological  Parameters using Conventional Survey and Drone Survey | (IJTIMES) Impact Factor: 5.22 (SJIF-2017), e-ISSN: 2455-2585 Volume 5, Issue 04, April-2019 |
| 2 | Applications of nanotechnology in transportation infrastructures | JETIR March 2019, Volume 6, Issue 3,  (ISSN-2349-5162) |
| 3 | Innovations in Transforming a TraditionalBuilding into Green Building | IFERP, Feb,2018,ISSN (Online) 2456-1290 |
| 4 | Life Cycle Cost Analysis- A Decision MakingTool for Implementation of Green InfrastructureProjects | IFERP, Feb,2018,ISSN (Online) 2456-1290 |
| 5 | Removal of dyes from textile effluent using bamboo waste as low cost adsorbent | Journal of Public Health Engineering, July 2016,Vol.XXXXIV, No. 2, pp. 25-31 |
| 6 | Preparation and characterization of activated carbon from bamboo by chemical activation | Journal of Catalyst Catalysis, 2016, Vol. 3, No. 1, pp. 1-6 |
| 7 | Application of Porous Concrete for Tunnel Lining | (IFERP) Feb,2017,ISSN 2456-1290 (Special Issue) |
| 8 | Innovative Technologies of Non-recyclable waste as replacement in transportation engineering | IJESIRD : Vol. III, Issue X, April 2017,ISSN: 2349-6185 |
| 9 | Optimization of a Smart Road Junction | International Journal of Engineering Research in Mechanical an Civil Engineering (IJERMCE) (Special Issue) |
| 10 | An Innovative Approach of using Geo polymer based Fiber Reinforced Concrete | International Journal of Innovative Research in Science, Engineering and Technology Vol.6, Issue 7, July 2017. (ISSN-2347-6710) |
| 11 | Innovations in Transforming a Traditional Building into Green Building | IJERMCE,Feb,2018,ISSN 2456-1290 |

**Publication International and National Conferences:**

1. Bokil, S. A., and Rai, R. K., ” Advanced treatments for sustainable textile waste water management: kinetic studies Indian Water Works Association, Kolkata Centre, 47th Annual Convention on Sustainable Technology Solutions for Water Management, 2015.
2. Bokil, S. A., and Rai, R. K.,”Application of adsorption as an treatment for the textile industry effluent by using non conventional adsorbent,” International Conference on, Advances in Civil and Mechanical Engineering Systems, Government College of Engineering, Amravati, ACMES-2014.
3. Bokil, S. A., Rai, R. K., and Kaul, S. N.,”Innovative techniques for recycle and reuse of

textile wastewater by agriculture wastes as low cost adsorbent “, ASCE, International

Conference on Sustainable Civil Infrastructure, (ICSCI 2014), IIT Hyderabad.

1. Bokil, S. A., and Rai, R. K.,”Low cost adsorbents for the removal of dyes from industrial wastewaters,” National Conference on, Advances in Civil and Structural Engineering, Goverment College of Engineering, Karad, NCACSE-14, 2014.
2. Bokil, S. A., Rai, R. K., and Kaul, S. N.,”Application of agriculture waste as low cost adsorbent for the recycle and reuse of textile waste waters AICTE, National Seminar on, Recent practices and applications in Civil Engineering, Walcand College of Engg, June 2013.
3. Bokil, S. A., Rai, R. K., and Kaul, S. N.,”Innovative methods of recycling textile waste waters by low cost adsorbents,” International Summit on, Waste Water Technology for Green Economy, May 2013.
4. Bokil, S. A., Rai, R. K., and Kaul, S. N.,“Recycle of textile waste waters by low cost adsorbents: adsorption equilibrium,”National Conference on, Emerging Technologies for Sustainable Developments, Department of Technology, Shivaji University, Kolhapur, Maharashtra, 2012.

**Research Experience : (Please provide details for the period after the PhD Award )**

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| **Name of the Institution** | **Position** | **Type of Work done** | **From** | **To** | **Total Period**  **Years Months** |
| Central Water & Power Research Station | guide | Effect of variation in seepage parameters due to design aspects of seepage control measures in earthen dams | 15 July 2018 | 15 June 2019 | 1 year |
| Central Water & Power Research Station | guide | Assessing Discharge Capacity of Drainage Structures Across A high level barrier in flood plain of river | 15 July 2018 | 15 June 2019 | 1 year |
| Central Water & Power Research Station | guide | Hydraulic design of bridge across a river with the help of mathematical modeling | 15 July 2018 | 15 June 2019 | 1 year |
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