

Bio-Data

Name: M. U. Khobragade (Ph.D., IIT Kharagpur)

Sex: Male

Date of Birth: 29/07/1976

Nationality: Indian

Date of Joining (COEP): 14/03/2008

Designation: Assistant Professor

Department: Civil Engineering Department, College of Engineering Pune (COEP)

Specialization: Environmental Engineering

Residential address: Sr. No. 36/1, Anandi Vihar, Flat No. A-201, Near Pragati Vidyalaya, Kale-Borate Nagar, Hadapsar, Pune- 411028

Email: muk.civil@coep.ac.in, muk.civiliitkgp@gmail.com

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Educational Qualification

| Sr. No. | B.E./MTech /Ph.D | College/Institute/University | Year of passing | % of marks/ CGPA | Class |
|---------|------------------|---|-----------------|------------------|-----------------|
| 1. | B.E. | Government College of Engineering Karad | 2000 | 62.58 | 1 st |
| 2. | M.Tech* (Civil) | Indian Institute of Technology Roorkee, Roorkee | 2002 | 7.39 | 1 st |
| 3. | Ph.D ** | Indian Institute of Technology Kharagpur, Kharagpur | 2015*** | - | - |

MTech (Civil with specialization in Environmental Engineering)*

*Ph. D** (Environmental Engineering)*

*2015*** (Admitted year was 2012)*

Teaching/Research Experience

| Sr. No. | College/Institute | From | to | Year | Month |
|---------|---|------------|------------------------|------|-------|
| 1. | J.T. Mahajan College of Engineering | 22/07/2002 | 31/05/2003 | - | 10 |
| 2. | R.C. Patel Institute of Technology, Shirpur | 16/08/2004 | 13/03/2008 | 3 | 7 |
| 3. | College of Engineering Pune, Pune | 14/03/2008 | Till date (15/12/2016) | 8* | 9 |
| Total | | | | 13 | 2 |

** Including three year research experience at Indian Institute of Technology Kharagpur, Kharagpur from 2012-2015.*

Subject taught

A) Undergraduate level:

Theory

Engineering Mechanics, Environmental studies, Transportation Engineering, Fluid Mechanics, Basic Civil Engineering, Building Design and Material, Environmental Engineering, Wastewater Engineering, Advanced Environmental Engineering

Laboratory

Environmental Engineering Lab, Wastewater Engineering Lab, Engineering Mechanic Lab, Building Design and Material Lab, Quantity Surveying and Valuation lab

B) Postgraduate level

Theory

Principle of water and Air Quality Legislation, Solid and Hazardous Waste Management, Design of Reactor and Environmental Chemistry

Laboratory

Hydroenvironmental Lab Practice-I and II

List of publications

A) National Journal

Year 2002-2003

1. M. Parida, Renu Bhargava and Moni U. K., "Analysis of transport related SPM", Indian Journal of Environmental Protection, 2003 (23), 864-871

B) International Journal

Year 2013-2014

1. M. U. Khobragade, Anjali Pal, "Surfactant adsorption on solid surfaces and further application to adsolubilization: A comprehensive review", Recent Patents on Engineering, 7 (2013), 167-181.

Year 2014-2015

1. M. U. Khobragade, Anjali Pal, "Adsorptive removal of Cu(II) and Ni(II) from single-metal, binary-metal, and industrial wastewater system by surfactant-modified alumina", Journal of Environmental Science and Health Part A, 50 (2015), 385-395.
2. M. U. Khobragade, Anjali Pal, "Investigation on the adsorption of Mn(II) on surfactant-modified alumina: Batch and column studies". Journal of Environmental Chemical Engineering, 2(2014), 2295-2305.

Year 2015-2016

1. M. U. Khobragade, Anjali Pal, “Adsorptive removal of Mn(II) from water and wastewater by surfactant modified alumina”, *Desalination and Water Treatment*, 57 (2016), 2775-2786.
2. M. U. Khobragade, Anjali Pal, “Batch and continuous fixed-bed adsorption for the removal of Ni(II) from aqueous solution using surfactant treated alumina”, *Recent Patents on Engineering*, 10 (2016), 36-50.
3. M. U. Khobragade, Ashish Kumar Nayak, Anjali Pal, “Application of response surface methodology to evaluate the removal efficiency of Mn(II), Ni(II) and Cu(II) by surfactant-modified alumina”, *Clean Technology and Environmental Policy*, 18 (2016), 1003-1020.
4. M. U. Khobragade, Anjali Pal, “Fixed bed column study on removal of Mn(II), Ni(II) and Cu(II) from aqueous solution by the surfactant supported alumina”, *Separation Science and Technology*, 51 (2016), 1287-1298.

Year 2016-2017

1. M. U. Khobragade, Ashish Kumar Nayak, Anjali Pal, “Solid phase extraction of Cu(II) from aqueous solution using surfactant-modified alumina: Batch and Fixed-Bed Column Studies”, *ASCE’s Journal of Hazardous, Toxic and radioactive Waste* (Accepted)
2. M. U. Khobragade, Ashish Kumar Nayak, Anjali Pal, “A review on the removal technologies of nickel(II) ion from aqueous solution”, *Recent Patent on Engineering* (Accepted).

C) National conference

Year 2006-2007

1. M. U. Khobragade, S.R. Suryawanshi, “Integration of computer application for design and construction of civil engineering structures”, Organized by Sou. Venutai Chavan Polytechnic, Pune, February, 16th and 17th 2007.

Year 2007-2008

1. M. U. Khobragade, S.R. Suryawanshi, “Environment and Health”, National Conference on Sustainable Urban Environment: Issues & management Strategies, Organized by Civil Engineering Department, SVNIT, Surat, 27th and 29th, February, 2008
2. M. U. Khobragade, “Effects of particulate matter: A case study”, National Conference on Emerging Technologies in Civil Engineering (NCETCE-2008), Organized by Civil Engineering Department, Padmashree Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar, Maharashtra, 28th and 29th, February, 2008

Year 2014-2015

1. M. U. Khobragade, Anjali Pal, “Enhanced removal of Mn(II) from aqueous solution using surfactant-modified alumina: kinetics, equilibrium and thermodynamic study”, 17th National Symposium in Chemistry, organized by CSIR-National Chemical laboratory, Pune (India), 6th to 8th February, 2015.

D) International conference

Year 2010-2011

1. M. U. Khobragade, P. Turerao, “Cost effective housing: A overview on green building”, International Conference on Sunrise Technologies, Organized by SSVPSs Bapusaheb Deore College of Engineering and Polytechnic, Dhule and JJJ University, Rajasthan, 13th – 15th January, 2011.

Short Term Training Programme (STTP) attended

| Sr. No. | Name of course | Organization | Duration | Number of week |
|---------|---|---|-----------------------|----------------|
| 1. | Solid and Hazardous Waste Management | S.V. National Institute of Technology, Surat | 15-19 December, 2008 | One |
| 2. | Environmental Statistics | College of Engineering Pune (COEP) | 13-17 January, 2009 | One |
| 3. | Solid and Hazardous Waste Management | Indian Institute of Technology, Kharagpur | 12-19 November, 2010 | One |
| 4. | Technical Communication Skill | College of Engineering Pune (COEP) | May 2011 | One |
| 5. | Engine Emission Formation and Control | Indian Institute of Technology Kanpur, Kanpur | 28 June-3 July 2011 | One |
| 6. | Waste Management in Smart Cities | S.V. National Institute of Technology, Surat | 09-13 May, 2016 | One |
| 7. | Theory and Application of Adsorption process | National Institute of Technology Calicut | 27 June-2 July, 2016 | One |
| 8 | Waste to Wealth: Fundamentals and Hands on Experience | S.V. National Institute of Technology, Surat | 26-30 September, 2016 | One |

Resources person (Lectured delivered)

1. Lecture delivered by Dr. M.U. Khobragade on “Sewerage Treatment Plant and Recycling of Water”, at Indian Railway Institute of Civil Engineering, Pune, on

04/03/2016 in the workshop “Course on Water Supply and Sewerage Including Water Audit for SSE/Wks” at IRECIN (ITTI) Pune

Lecture conducted

1. Expert lecture by B. Alapat, Professor, IIT Delhi on “Solid Waste to Energy: Challenges, Options & Opportunities in Indian Scenario on 28/09/2015 at Civil Engineering Department, College of Engineering Pune, Pune.
2. Expert lecture by Dr. K. D. Yadav., Assistant Professor, SVNIT, Surat on “Decentralized Wastewater Treatment” on 09/09/2016 at Civil Engineering Department, SVNIT, Surat.

Industrial/Educational visit arranged for students

1. Visit to “Water Treatment Plant”, Pradhikaran Pune, on 04/04/2016 to T.Y. BTech Civil Engineering student
2. Site visit to "Solid Waste Treatment/Disposal Plant", Vengurla, Sindhudurg, for F.Y. MTech (Civil-EWRE) on 13/04/2016.
3. Site visit to Surat Municipal Corporation’s “Tertiary Wastewater Treatment”, Surat, on 09/09/2016 to Final Year BTech, F.Y. and S.Y. M.Tech students of Civil Engineering Department.

B.Tech thesis guided

1. Sandra Sunny, Ankita Shiyale, “Removal of fluoride from drinking water using a natural binary adsorbent”, Civil Engineering Department, College of Engineering Pune (COEP), May, 2012.

M.Tech thesis guided

1. Sanchit C. Joshi, “Treatment of dairy wastewater by combined process of upflow anaerobic sludge blanket reactor and high rate aeration process”, Civil Engineering Department, College of Engineering Pune (COEP), June, 2012.
2. Sharad S. Shinde, “Removal of phosphate using lemon peel powder from aqueous solution”, Civil Engineering Department, College of Engineering Pune (COEP), July, 2016.
3. Geetanjali Prakash Anjali, “Removal of phosphate using lemon peel powder from aqueous solution”, Civil Engineering Department, College of Engineering Pune (COEP), July, 2016.

Additional responsibilities

- Worked as Sport Coordinator at RCPIT, Shirpur from 2004-2008
- Worked as a rector at COEP Hostel campus during 2008-2012
- Worked as Building Committee Member (BWC) during 2008-2012 and from 2015 to till date
- Working as Environmental Engineering Lab In charge since 2015

- Worked as faculty advisor at institute level activities such as Mind spark, Gathering etc.
- Involved in F.Y. (Engineering, Pharmacy) and Direct Second Year admission.
- Worked as Department Training Placement Cell Coordinator from 2015-2016
- Worked as Mentor to F. Y. BTech student from 2015-2016