

# Curriculum Vitae



Gaurav V. Kapse  
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## Education

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- 06/2014-05/2016     **Indian Institute of Technology (Indian School of Mines) Dhanbad**  
**M. Tech Environmental Science & Engineering**  
Grade: 9.32/10  
  
*Project Title:* Performance of Moringa oleifera seed as a coagulant for removal of fine particles from coal washery effluent  
  
*Activities:* Worked with Coal India Ltd. to develop a cost-effective physico-chemical treatment technique using bio-coagulant, Teaching Assistance, etc
- 08/2008-10/2012     **University of Mumbai**  
**Bachelors of Engineering (Civil)**  
Grade: 73.8 %
- 06/2006-02/2008     **Maharashtra State Board**  
**12<sup>th</sup> (HSC)**  
Grade: 69.67 %

## Work Experience

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- 01/2017-Present     **Charotar University of Science & Technology, Anand, Gujarat**  
*Position:* Assistant Professor, Quality Manager, Environmental Auditor  
*Activities:* Teaching, Consultancy and Research, Responsible for Environmental Audit (Team Leader) related work.
- 06/2016-01/2017     **Kalsekar Technical Campus, Mumbai, Maharashtra**  
*Position:* Assistant Professor  
*Activities:* Teaching, Consultancy and Research, Responsible for development of Environmental Engineering Laboratory
- 08/2012-06/2014     **St. John College of Engineering & Technology, Palghar, Maharashtra**  
*Position:* Lecturer  
*Activities:* Teaching, Consultancy and Research, Work with Material Testing Centre for QC of Construction Materials

## Professional Experiences

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- Team Leader**     Recognized Schedule-I Auditor by Gujarat Pollution Control Board, Gandhinagar  
**Environment Audit**     from Sept. 2017. Audited more than 17 Industries including PSU's
- Quality Manager**     Coordinating NABL (ISO 17025) activities, Environmental Analysis and  
**Environmental**     Consultancy from Sept. 2017.  
**Engineering Lab**

**Expert Member** Appointed as Expert Member (Environment) in the DEAC, Palghar, Maharashtra  
**District Environment Appraisal Committee,**  
**(DEAC) Palghar** by Div. Commissioner, Konkan Division, Navi Mumbai from Sept. 2016

**Technical Member** Appointed as Technical Member (Environment) in the Sand Mining Approval  
**District Sand Mining Committee,**  
**Palghar** Committee, Palghar, Maharashtra by Collector, Palghar from Oct. 2018

## **Consultancy & Funds Received**

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**Environmental Consultancy** Handled Environmental Consultancies of more than **Rs. 15 Lacs** from Sept 2017

**Funds received** Rs. 1 Lacs from SERB, DST, GoI and Rs. 30 Thousands from GUJCOST, GOG for organizing STTP

## **Publications**

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**Journal** Kapse G. V., Patoliya P. R., Samadder S. R. (2017). Characterization of coal washery effluent and optimization of coagulation behaviour of Moringa oleifera seed as a coagulant. Environ Monit Assess 189: 133. doi:10.1007/s10661-017-5844-3.

**Conferences** Kapse G. V. (2014) "Utilization of Waste ETP Sludge as Building Material: An Eco-friendly Approach towards Waste Management." October 17-18, 2014. International Conference on Sustainable Civil Infrastructure, American Society of Civil Engineers, IIT Hyderabad.

Kapse G. V., Chougale J. B. (2013) "Performance, Damage Patterns and Failure Mechanisms of Pile Foundations during Seismic Liquefaction." March 7-8, 2013, Search-2013, Pravara Rural Engineering College, Ahmednagar.

Kapse G. V. (2011) "Quality Control of Concrete in Marine Environment." August 19-20, 2011. Rehabilitation and Retrofitting for sustainable Structures, The Institution of Engineers (India), M.B.M. College of Engineering, Jodhpur.

Kapse G. V., Chougale J. B. (2011) "High Strength Steel Fibre Reinforced Concrete." February 8-9, 2011. Innovative Techniques in Civil Engineering, J. T. Mahajan College of Engineering, Jalgaon.

## **Patent**

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**IPI Patent Published** A process for the preparation of biocoagulant using Moringa oleifera seed defatted cake for the removal of fine particles from coal washery effluent (201631037159)

## Skills

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**Computer Skills** Good Knowledge of: Design Expert, SPSS, AutoCAD, Statistica 12.5  
Some knowledge of: Origin Lab, STTAD Pro, Matlab

**Languages** English, Hindi, Marathi, Gujarati

## Other Activities

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**Industrial Training** Summer Internship, May 12, 2015 to July 14, 2015. Global Wires India, Tata Steel Ltd., Tarapur, Maharashtra. Worked on the project entitled "Performance Assessment of the Reheating Furnace."

**Seminar/Workshops Organized** SERB and GUJCOST Sponsored Six Days STTP on Capacity Building for Interdisciplinary Research on Climate Change, 3-8 Dec, 2018

Workshop on Towards Climate Resilient India, 31 July 2018

Endowment Chair Activity on Climate Change & Adaptation, 1-4 Aug, 2018

Endowment Chair Activity on Climate Change & Remote Sensing, 26-30 Dec 2017

Workshop on Climate change and Environment Benefits from space observations, 28 Dec 2017

**Seminar/Workshops Attended** STTP on Finite Element Method and Applications in Civil Engg., 4-9 June 2018  
Organized by CHARUSAT

Laboratory Management system as per ISO/IEC 17025:2005 and Internal Audit, 12-15 March 2018 organized by CHARUSAT

Training program on Environment Audit Made Easy, 12-16 January 2018 organized by GPCB and SVNIT Surat

FDP on Creativity, problem solving & Innovation, 12-22 Nov 2017 organized by CHARUSAT

Energy Sector Strategies to Support Green Growth, 3-23 Nov, 2015. Organized by World Bank e-Institute, World Bank Group, Washington, DC.

National Convention on Climate Change 30 Oct, 2015. Organized by Ministry of Earth Sciences (India), Indian School of Mine, Dhanbad.

"National Environmental Engineers Meet." 29-31 Oct, 2015. Indian School of Mines, Dhanbad.

**Memberships** Affiliated Member of American Society of Civil Engineers (ASCE) (Member ID: 1014122)

## Personal Details

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**Date of Birth**      **22 Dec 2018**

**Address**              Old Manor Road, Near Shankar Temple, Palghar (E.), Pin-401404, Maharashtra

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## References

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Dr. S. R. Samadder  
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