



# K. S. SCHOOL OF ENGINEERING & MANAGEMENT

**KSSEM**  
K. S. SCHOOL OF ENGINEERING & MANAGEMENT

# 15, Mallasandra, Off.Kanakapura Road,Bengaluru-560109, Karnataka, INDIA.

<b>Faculty Name</b>	Dr Rashmi H R	
<b>Designation</b>	Associate Professor	
<b>Educational Qualification</b>	BE, Mtech, PhD	
<b>Experience in Years</b>	Teaching: 6 Industry : 6	
<b>Areas of Interest</b>	Phosphorus removal and recovery, Adsorption, Biological treatment of wastewater, Nanoparticals.	
<b>E-mail</b>	<a href="mailto:Rashusmile14@gmail.co">Rashusmile14@gmail.co</a>	

## Educational Details

<b>Examination/ Degree</b>	<b>College / University</b>	<b>Year of Passing</b>
UG	Bangalore College of Engineering and Technology, Bangalore	2009
PG	PESCE, Mandya	2011
PhD	National Institute of Technology, Surathkal	2021

## Publications

### Journal Publications:

1. **H R Rashmi** and C P Devatha. "Experimental investigation on sludge dewatering using granulated blast furnace slag as skeleton material", **Environmental Science and Pollution Research, Springer**, 2020. Doi.org/10.1007/s11356-020-07614-w. - **SCI and SCOPUS INDEXED**. - Impact Factor: 2.9
2. **H R Rashmi** and C P Devatha. "Experimental investigation on sludge dewatering using modified coconut shell biochar as skeleton material", **International Journal of Environmental Science and Technology, Springer**. - **SCI and SCOPUS INDEXED**. - Impact Factor: 2.9
3. **H R Rashmi** and C P Devatha. "Phosphorus recovery as induced struvite from deep dewatered liquors using magnesium chloride as a magnesium source", Doi/10.1088/1757-899X/561/1/012010. **SCOPUS INDEXED**
4. **H R Rashmi**, G P Shivashankar, Umadevi B. "Impact of onsite sanitation on groundwater quality" Anusandhana- Journal of Science, Engineering and Management", Vol. 3. ISSN.2231-

4031pp 40- 48.

**5. Rashmi H R.** “Ultimate Power Production By Utilizing Methane Gas Resources From Municipal Solid Waste” Midas Touch International Journal Of Commerce, Management & Technology. Vol-2, No.-1,ISSN: 2320-7787, Page: 262 – 265.

### **Conference Papers :**

1. International Conference on Technology Management for Green Environment (ICTMGE-2013) with Titled Ultimate Power Production by Utilizing Methane Gas Resourced from Municipal Solid Waste, 19thSeptember 2013 T 21stSeptember 2013, VTU Regional Centre Mysore.
2. Use Of Plastic Waste To Improve The Properties Of Concrete” at “Indian Congress On Curbing E-Waste, 9th September 2013, Acharya Institute Of Technology, Bangalore
3. Investigation of In-plane shear strength for different types of concrete with partial replacement of glass powder as cementitious material using push-off specimens” in “International conference of frontiers of crystallography”, 29th December 2014 TO 30th December 2014, Field Marshal Cariyappa College, Madikeri
4. “Experimental studies on dewatering of sewage sludge using skeleton material”. At Third International Conference on Sustainable Energy and Environmental Challenges (3 rd SEEC) 18 December 2018 to 21 December 2018, IIT Roorkee
5. “Phosphorus recovery as induced struvite from deep dewatered liquors using magnesium chloride as a magnesium source”- material science and manufacturing technology (ICMSMT), 12 April 2019 to 13 April 2019, Coimbatore.
6. “Sludge dewatering using coconut shell biochar modified with ferric chloride”- National Symposium on Environmental Pollution Prevention and Control: Future perspective (EPPC: FP.:2019) 23August 2019 25 August 2019
7. National Institute of Technology, Surathkal “Phosphorus recovery from the dewatered liquor by struvite crystallization using sea water as magnesium source”- National conference on “Newandeffective Innovations, Technologies and Key Challenges 2020” (NCCE) January 30th 2020 to January 31st 2020.
8. National Institute of Technology, Surathkal “A Review on various parameters which affects the enhanced biological phosphorus removal process.”- National conference on “Newandeffective Innovations, Technologies and Key Challenges 2020” (NCCE) January 30th 2020 to January 31st, 2020.
9. National Institute of Technology, Surathkal "Review on solid-liquid separation using various conditioning methods".“3rd ICMSMT 2021” April 8th 2021 to April 9th 2021, The Hotel Aloft, Coimbatore, Tamil Nadu, India.

## Area of Interest

Phosphorus removal and recovery, Dewatering, Enhanced biological phosphorus removal, Crystallization, Adsorption studies, Biological process Nutrient removal, Nano particle studies.

## Professional Membership

**1. American society  
of Civil Engineers  
(ASCE)**

## Contact Details

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