

**Name of the Faculty : Dr.Vivek N.Bhusari**

**Position : Assistant Professor in Engineering Chemistry, Dept of First Year Engineering**

### **International Journals**

- 1) **Rushali Mane, Vivek Bhusari** , Removal of Colour (dyes) from textile effluent by adsorption using Orange and Banana peel in **International Journal Of Engineering Research and Application** ,May 2012, Vol. 2, Issue 3,1997-2004.
- 2) **V. N. Bhusari, Rashmi Dahake, Sadhana Rayalu, Amit Bansiwai**, Highly Efficient Removal of Chromium (VI) from Water by Mesoporous Alumina, IJARIE-ISSN(O)-2395-4396, 2015,Vol-1 Issue-5.
- 3) **V. N. Bhusari, Rashmi Dahake, Sadhana Rayalu, Amit Bansiwai**, Comparative study of removal of hexavalent chromium from water using metal oxide nanoparticles", *Advances in Nanoparticles*, February 2016, Vol.5 No.1, 67-74.

### **International Conferences**

1. **Vivek Bhusari, Amit Bansiwai, Sadhana Rayalu**, Adsorptive Removal of Chromium from Water by Nanostructured Materials. In International Conference on Chemistry for Mankind Innovative Ideas in Life Sciences 2011, RTM University, and Institute of Science, Nagpur. February 9-10, 2011.
2. **V.N.Bhusari,Dr.Amit Bansiwai, Sadhana Rayalu**, Copper-Aluminium binary mixed oxide nanoparticles for removal of hexavalent Chromium from aqueous solutions, NCRS, Kyushu University & NEERI,Nagpur, 15-16 December 2011.
3. **Vivek Bhusari, Alok Kumar Meher, Amit Bansiwai**, Hexavalent chromium removal using copper oxide coated alumina from water, International Science Congress December 24-25, 2011 (**Best poster presentation**)
4. **Vivek.Bhusari, Sadhna Rayalu, Amit Bansiwai**, Synthesis, Characterization and evaluation of binary metal oxide nanoparticles for the removal of chromium from water, Chemcon 2013, 66<sup>th</sup> Annual Session of Indian Institute of Chemical Engineers, 27-30 December 2013.
- 5 **Vivek Bhusari, Amit Bansiwai, Sadhana Rayalu**, Adsorptive Removal of Chromium from Water by Nanostructured Materials. In International Conference on Chemistry for Mankind Innovative Ideas in Life Sciences 2011, RTM University, and Institute of Science, Nagpur. February 9-10, 2011.

### **National Conference:**

1. **V.N.Bhusari, Dr. G. K. Ghoshal**, Fuel from used oil with coal blending by petroleum coking,AUFUEL 2002, Institute of Engineers, Nagpur, 24<sup>th</sup> August 2002.
2. **V.N.Bhusari, Dr.R.R.Shrivastava**, Fuel cell –A promising Alternate Fuel Source, Emerging Trends in Chemical Sciences,Shree Shivaji Science College Amaravati, 6<sup>th</sup> February 2003.
3. **V.N.Bhusari, Dr. G. K. Ghoshal**, Hazards and Safety Measures in Delayed Coker, Institute of Engineers, Nagpur, 14<sup>th</sup> March 2004.
4. **V. N. Bhusari**, Utilization of fly ash in India – a review, EOCHEM 2006, Dharampeth Science College Nagpur, 13<sup>th</sup> October 2006.
5. **Dr.R.R.Shrivastava,V.N.Bhusari**, Toxicity of Radioactive Waste and its Management, Sant Gadge Baba Amaravati University, 6<sup>th</sup> February 2008.
6. **V.N.Bhusari**, Polyaniline-Processing and application-A review, Recent Trends in Material Synthesis and Characterisation.Bhalerao Science College, Saoner, 4- 5<sup>th</sup> December 2009
7. **R.S.Mane, V.N.Bhusari**, Colour Removal From Textile Waste Effluent By Adsorption, Priyadarshini college of Engineering, 25 March 2012.
8. **V.N.Bhusari, Sadhna Rayalu, Amit Bansiwai**, Synthesis of novel mesoporous copper Oxide coated alumina for the removal of chromium(VI) from aqueous solution in 1<sup>st</sup> National Conference on Advanced Research Trends in Sciences (NCARTS-2013),

G.H.Raisoni College of Engineering, Nagpur on January 2013.(ISBN No 978-93-5087-988-7).

9. **V.N.Bhusari, Sadhna Rayalu, Amit Bansiwal**, Binary mixed metal oxide nanoparticles for the removal of hexavalent chromium from water, 2nd National Conference on Advanced Research Trends in Sciences (NCARTS-2014) organized by G.H.Raisoni College of Engineering, Nagpur on March 2014.
10. **Alaka Das, P.B Nagarnaik, V. N. Bhusari, Amit Bansiwal**, Adsorption studies on the removal of Cr (VI) from water using CuO coated alumina, 3<sup>rd</sup> National conference on Advanced Research Trends in India (NCARTS-2015) organized by G.H.Raisoni College of Engineering, Nagpur.
11. **V.N.Bhusari, Sadhna Rayalu, Amit Bansiwal**, Adsorption of chromium (VI) from water by Copper Aluminum oxide nanoparticles supported Zeolite, 4<sup>th</sup> National conference on Advanced Research Trends in India (NCARTS-2016) organized by G.H.Raisoni College of Engineering, Nagpur, 3<sup>rd</sup> January 2016.