

Ashutosh Mishra

1300 30th St., D7-12, Boulder, CO-80303

Phone: +1(720)318-2225

Email: ashutosh.mishra@colorado.edu

RESEARCH INTEREST

Catalysis, surface science and sustainable energy technology,

EDUCATION

University of Colorado at Boulder

Doctorate of Philosophy, Advisor: Dr. J. Will Medlin

August '15 - Present

GPA: 3.81/4.0

Indian Institute of Technology (B.H.U.), Varanasi, India

Bachelor of Technology in Chemical Engineering (with Honors)

July '09 - May '13

GPA: 8.51/10

WORK EXPERIENCES

Advanced Graduate teaching assistantship, CU-Boulder

Intermediate Chem. Egg. Thermodynamics (CHEN 5370)

Fall '17 sem

Graduate teaching assistantship, CU-Boulder

Chemical Engineering Thermodynamics (CHEN 3320)

Fall '15 sem

Reliance Industries Limited, India

Worked as a Process Engineer in commissioning project of India's largest PTA manufacturing facility.

July '13 - Feb '15

PRESENTATIONS

- Poster presentation on 'Mechanistic insight on role of Zr dopant in ceria based ketonization catalyst' in AIChE 2018, Pittsburgh, PA.
- Paper presentation on '**Removal of hexavalent chromium from aqueous sol. using wheat bran (*Triticum aestivum*) as biosorbent**' in 3rd International conference on Energy Technology, Power Engineering & Environmental Sustainability (ETPEES-2014), New Delhi, India.
- Paper presentation on '**Yeast mediated transformation of sugars to biofuel**' in COMET-2013 (National Conference of Mechanical Engineering & Technology), Varanasi, India.
- Poster presentation on '**Impact and removal of heavy metals in industrial effluents**' in *UDBHAV-2012*, an annual fest of Dept. of Chemical Engineering, IIT (BHU), Varanasi.

ACHIEVEMENTS

- Received **Golden Jubilee Scholarship by IChE** (Indian Institute of chemical engineers) for meritorious students.
- Awarded **ONGC (Oil and Natural Gas Corporation of India) Scholarship** for outstanding academic performance.
- An **overall rank fifth in the batch of 85 students and topper in junior year** of Bachelors.
- Among top 1% of approx. 0.4 million students appeared in the *Joint Entrance Examination*, 2009, for admission in coveted Indian Institute of Technology.

EXTRA- CURRICULAR ACTIVITIES

- Member of IChE (Indian Institute of Chemical Engineers).
- Organized IDP (*Industry Defined Problem*) in UDBHAV-2013.
- Won third prize in *Simulera* in UDBHAV-2011 in which we employed GiD software for the designing of a shell and tube heat exchanger and simulating the temperature profile of the same.
- Associated with *Kashi Utkarsh*, a social welfare organization looking after education of children in nearby slums of Varanasi (July '09 - Jan '13).
- Won chess and carom at Institute level.