

Vitae

Name: Aditi Oza

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Qualifications

Exams	Board/University	Year of Passing	Division/Class
Secondary School	CBSE	1997	Distinction (80%)
Higher Secondary	CBSE	1999	Distinction (82%)
Bachelors in Engineering (Mechanical Engg.)	Sardar Patel University, Anand, Gujarat.	2003	Distinction (CGPI 8.22 out of 10)
Masters in Engineering (Cryogenic Engg.)	Gujarat University, Ahmedabad, Gujarat.	2005	Distinction (75%)

List of Publications

1. Aditi Oza and Kanchan Chowdhury, "Safe Design of Oxygen System Components: A Review", Indian Journal of Cryogenics, Vol. 31, Pg. 91-95, 2006.
2. Aditi Oza, Sudipto Ghosh and Kanchan Chowdhury, "Electrostatics: A Possible Cause of Fire in Contaminated Oxygen Systems", AIIGMA-Gas News, Vol. 32, Pg. 9-23, February-March and Vol. 33, Pg. 7-31, April-May, 2008.
3. Aditi Oza, Sudipto Ghosh and Kanchan Chowdhury, "Tribocharging of particle contaminants evaluated as an ignition source in oxygen-enriched environments", Journal of ASTM International, Vol. 6, Issue 8, 2009, DOI: 10.1520/JAI102317, 2009.
4. Aditi Oza, Sudipto Ghosh and Kanchan Chowdhury, "Tribo-electrification of Metallic Dust Particles: Simulation and Validation", Journal of ASTM International, (under review).
5. Aditi Oza, Sudipto Ghosh and Kanchan Chowdhury, "Modeling of Dispersion and Settling of Micron-sized Dust Particles in Pressure Regulator Used in Oxygen-enriched Environment", Journal of ASTM International, (under review).

Conferences

1. Aditi Oza and Kanchan Chowdhury, "Safe Design of Oxygen System Components: A Review" presented at the "Twenty-first National Symposium on Cryogenics", held at National Physical Laboratory, New Delhi in November, 2006.
2. Aditi Oza and Kanchan Chowdhury, "Ignition Mechanisms and Material Properties in Oxygen-Enriched Environment: A Review" presented at "CHEMCON 2006" (annual conference of Indian Institute of Chemical Engineers), held at Gujarat Narmada valley Fertilizers Limited, Ankleshwar, Gujarat, in December, 2006.
3. Aditi Oza, Sudipto Ghosh and Kanchan Chowdhury, "CFD Modeling of Globe Valves for Oxygen Application", presented at The 16th Australasian Fluid Mechanics Conference, held at Gold Coast, Queensland, Australia December, 2007.
4. Aditi Oza, Sudipto Ghosh and Kanchan Chowdhury, "Electrostatics: A Possible Cause of Fire in Contaminated Oxygen Systems", presented at the 30th NSIG, AIIGMA, held at Bhubaneswar, India, February, 2008.