



Dr. Shubhangi Patil

Assistant Professor

Department of Chemistry

Qualification: **M.Sc. NET, Ph.D.**

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Ph.D. Thesis: Pi-conjugation of liquid organic hydrides(LOH) via catalytic dehydrogenation for hydrogen delivery application.

Research Area: Liquid organic hydrides(LOH), Bimetallic catalyst

Research publications:

1) **SP Patil**, AB Bindwal, YB Pakade, RB Biniwale (**2017**); On H₂ supply through liquid organic hydrides–Effect of functional groups, International journal of hydrogen energy 42 (25), 16214-16224 (Impact factor 3.58).

2) **SP Patil**, JV Pande, RB Biniwale (2013); Non-noble NiCu/ACC bimetallic catalyst for dehydrogenation of liquid organic hydrides for hydrogen storage. International Journal of Hydrogen Energy 38 (35), 15233-15241(Impact factor 3.58).

Topic Taught:

Spectroscopy, Reaction mechanism, Reagents, Photochemistry, Retrosynthesis, Oxidation-Reduction, Enolates, Natural products, Enzymes.

Other Activities:

1. Completed 45 days Foundation Course training in Yashada , Pune in June-July of 2016

2. Worked as organising committee member for National seminar on Research trends in science and technology for sustainable development 2018 (RTSTSD-2018) on 22nd and 23rd March 2018 at Institute of Science Mumbai

3. Worked as joint secretary in Net set workshop in chemistry held on 10th to 12th march 2016

4. Completed Orientation Course of 21 days from HRDC Mumbai. (1st Dec to 28th Dec. 2017)

