



Name : Dr. Prasad B. Patil

Qualification : M.E., Ph.D. (Chemical Engineering)

Designation : Assistant Professor

Email : pbpatil@bvucoep.edu.in

Phone : +91 20-24107316

Experience (Years)

Teaching : 23.6

Industry : 1.7

Research : 12

Portfolio at college level:

- (1) Custodian for University Examinations of BV(DU)COE, Pune
- (2) NAAC Criteria-II in-charge of BV(DU)COE, Pune during NAAC Visit.

Conferences: National/ International (Participation and publication):

- (1) Prasad U. Deshmukh, Niraj S. Topare, Sunita Raut-Jadhav, **Prasad B. Patil**, Anish Khan, Adsorption Characteristics: Potential Use of Waste Pineapple Peel in the Removal of Acid Yellow 42, paper presented in 2nd international conference on Novel materials and technologies for Energy and environment applications, Volume 1, BITS Pilani, Hyderabad on 17-18 February 2024, Paper published in Springer Nature Proceedings in Materials (SPM) volume 77, Q3, Scopus indexed, 1 (2025) 303-318, ISSN: 2662-3161, IF-0.40.

(2) **P.B. Patil**, S. Raut-Jadhav, Photocatalytic and sonophotocatalytic degradation of carbamate pesticide using anatase TiO_2 and rGO- TiO_2 nanocomposite, international conference NANOCON018, 4 (2018) 570-576.

Publications: National/ International Journal

(1) **Prasad B. Patil**, Sunita Raut-Jadhav, Niraj S. Topare, Aniruddha B. Pandit, Combined strategy of hydrodynamic cavitation and Fenton chemistry for the intensified degradation of acetamiprid, Sep. Purif. Technol. 325 (2023) 124701.

(2) **P.B. Patil**, S. Raut-Jadhav, Intensification of degradation of acetamiprid by combination of ultrasonic cavitation with other advanced oxidation processes (AOPs), Journal of Indian Chemical Society, 99 (2022) 100353

(3) **Prasad Patil**, Sunita Raut-Jadhav, Ultraviolet light (UV) based advanced oxidation processes for degradation of acetamiprid, International conference on Science Engineering and Technology organized by ISSRD, 7(2021) 12-16.

(4) **P.B. Patil**, S. Raut-Jadhav, A.B. Pandit, Effect of intensifying additives on the degradation of thiamethoxam using ultrasound cavitation, Ultrason. Sonochem. 70, (2021) 105310.

(5) P.L. Chaudhari, V.G. Joshi, **P.B. Patil**, K.S. Kulkarni, Sonochemical Synthesis of Polyacrylic acid Nano CaCO_3 Nano composite for the adsorption of Rhodamine B dye, Int. J. Adv. Tech. in Eng. Sci., 03 (2015) 2348-7550.

(6) R. F. Momin, **P. B. Patil**, S. Raut –Jadhav, Sonolytic Degradation of Acid Blue 80 Dye, Int. J. Res. App. Sci. Eng. Tech., 5 (2017) 2342-2349.

Patents/ Copyright:

Title of the patent: A system for removal of dispersed yellow dye from a dye solution, Patent application number: 202221070879, Patent number: 533184

Filed on: 08/12/2022, Published on: 30/12/2022, Granted on: 16/04/2024

Projects/ Achievements:

(I) Projects

Title of the research project: Studies in wastewater treatment with reference to advanced oxidation processes (AOPs).

Funding agency: Institutionally funded research project under TEQIP-II.

Amount: 2.98 lakh.

Duration: 2017-2019.

Status: Completed.

(II) Achievements:

Recognized Ph.D. guide of Bharati Vidyapeeth (Deemed to be University), Pune