

Department Name: Pharmacognosy & Phytochemistry

Name: Dr. Veena Sandip Patel

Designation: Associate Professor

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Qualification Specialization: Pharmacognosy

Academic journey started since: 2008

Publications (Research & Review):

- Patel V, Solanki K, Patel K, Gandhi T. Quantification of Lupeol in Polyherbal Formulation by High-Performance Thin-Layer Chromatography Method Using Design of Experiments as a Tool to Assess Optimization of Method Development and Extraction Efficiency. JPC-Journal of Planar Chromatography-Modern TLC. 2019 Oct;32(5):385-92.
- Sandip Patel, Nidhi Patel, Veena Patel. Anti-Fibrotic potential of Nicorandil in the treatment of Bleomycin induced pulmonary fibrosis. Journal of Young pharmacists. 2017; 9(3):376-380.
- Patel VS, Jivani NP, Patel SB. Rapid validated HPTLC method for estimation of betulinic acid in *Madhuca longifolia bark* extract. Research Journal of Pharmaceutical, Biological and Chemical Sciences. 2017; 8(4): 118-124.
- Patel VS, Jivani NP, Patel SB, Patel KG, Panchal HS, Chhalotiya U. Development of validated HPTLC method for quantification of oleanolic acid from bark of *Madhuca longifolia*. Journal of chemical and pharmaceutical research. 2016; 8(5), 559-566.
- Panchal H, Patel B, Shrma S, Patel V. Traditional herbal remedies for gynecological disorders in women of Anand District, Gujarat, India. Journal of Innovations in Applied Pharmaceutical Science. 2016; 1(1).
- Patel SB, Santani D, Shah MB, Patel VS. Antidiabetic effects of ethanol extract of

Bryonia laciniosa seeds and its saponins rich fraction in neonatally streptozotocin induced diabetic rats. *Pharmacognosy Research*. 2015;7:92-99.

- Patel VS, Jivani NP, Patel SB. Medicinal plants with potential nootropic activity: a review. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. 2014;5(1):1-1.
- Patel SB, Santani D, Shah MB, Patel VS. Anti-hyperglycemic and anti-hyperlipidemic effects of *Bryonia laciniosa* seed extract and its saponin fraction in streptozotocin-induced diabetes in rats. *Journal of Young Pharmacists*. 2012 Jul 1;4(3):171-6.
- Patel S, Patel S, Patel V. Investigation into the Mechanism of Action of *Madhuca longifolia* for its Anti-epileptic Activity. *Pharmacognosy Communications*. 2011 Oct 6;1(2):18-22.
- Patel V, Shukla S, Patel S. Free Radical Scavenging Activity of *Grangea maderaspatana Poir*. *Pharmacognosy Magazine*. 2009 Oct 1;5(20):381.
- Patel S, Shah J, Mistry K, Contractor R, Nagda C, Patel V. Antinociceptive activity of tadalafil and adrenergic agents in the writhing test in mice. *Pharmacologyonline*. 2009; 1:533.

Poster presented:

- Gujcost sponsored one day national seminar on challenges and opportunities in herbal drug technology on 18th January, 2020 organized by Indukaka Ipcowala College of Pharmacy, New Vallabh Vidyanagar, Anand. Oral Presentation title: Antidepressant and anxiolytic effects of saponin rich fraction of *Madhuca longifolia* bark extract.
- 24th National annual convention of Association of Pharmaceutical Teachers of India, APTICON-2019 and PCI approved continuous education program during 11th to 13th October, 2019, organized by DIT University, Dehradun, Uttarakhand, India in association with APTI Uttarakhand State branch. Oral Presentation title: Antidepressant and anxiolytic effects of methanolic extract from bark of *Madhuca longifolia*.
- International Conference on 'Herbal Medicines: Research and Commerce' Global Perspectives during 27th to 29th December, 2018 organized by L. M. College of Pharmacy, Ahmedabad, Gujarat, India. Poster Presentation title: Effect of the

methanol extract of *Madhuca longifolia* bark on exploratory activity and emotional behaviour in mice using the open field and elevated plus maze tests.

- 22nd National Convention of Society of Pharmacognosy and International Conference on Integrating Ayurveda & Herbal drugs for next generation therapeutics & Supplements: Opportunities & Challenges on 20th and 21st January, 2018 organized by Ganpat University, Shree S.K. Patel College of Pharmaceutical Education & Research, Gujarat, India. Poster Presentation title: QbD based HPTLC method development for optimization of chromatographic conditions and method validation for estimation of Lupeol in Herbal formulation.
- 3rd International Conference on Dravyaguna and rasasastra – Bhaisajyakalpana organized by Mahagujarat Medicinal Society, J. S. Ayurveda Mahavidyalaya & P. D. Patel Ayurveda Hospital, Nadiad, Gujarat on 2nd and 3rd September, 2017. Oral presentation title: Development and validation of High Performance Thin Layer Chromatographic method for Lupeol in bark of *Madhuca longifolia*.
- 8th International Conference of IACS India Section on Translational research in Cardiovascular Sciences” organized by Anand Pharmacy College, Anand on 5th-6th Feb 2016. Poster presentation topic: Effect Of Saponin Rich Extract of *Bryonia Laciniosa L.* On High Fat Diet Induced Hyperlipidemia.
- 61st IPSF World congress 2015 organized by International Pharmaceutical Students Federation (IPSF) & Indian Pharmaceutical Association Students Forum (IPA SF) on 31st July to 9th August, 2015. Poster presentation topic: Neuroprotection by nutraceuticals in cognitive impairment & Alzheimer's disease.
- 61st IPSF World congress 2015 organized by International Pharmaceutical Students Federation (IPSF) & Indian Pharmaceutical Association Students Forum (IPA SF) on 31st July to 9th August, 2015. Poster presentation topic: Densitometric HPTLC method for analysis of oleanolic acid in *Madhuca longifolia*.
- Conference on Drug Discovery from natural products organized by Ramanbhai Patel College of Pharmacy, CHARUSAT, Changa, Gujarat, supported by Indian Council of Medical Research on 8th -9th January, 2013. Poster presentation topic: Antimicrobial activity of *Grangea maderaspatana Poir.*

Seminar/ Conference/ Workshop/ Refresher course organized as Coordinator/ co-coordinator:

- Coordinator in Gujarat State Pharmacy Council sponsored two days online refresher course organized by Indukaka Ipcowala College of Pharmacy, New Vallabh Vidyanagar held on 12th and 13th December, 2020.
- Co-coordinator in Gujcost sponsored state level seminar on Applicability of Design of Experiment in Herbal Research organized by Anand Pharmacy College, Anand held on 22nd January, 2019.
- Coordinator in National seminar on Startup: Igniting innovations & Leadership, organized by Anand Pharmacy College, Anand, Gujarat held on 18th January, 2018.
- Coordinator in State level seminar on Intellectual Property Rights, organized by Anand Pharmacy College, Anand, Gujarat held on 29th November, 2017.

Area of Research interest: Standardization of herbs and herbal formulations using modern analytical techniques. Isolation of bioactive molecules and its characterization. Phytopharmacological investigation of medicinal plants.

Message to students: