



Saraswathi Vidya Bhavan's College of Pharmacy, Dombivli.



Recognized by AICTE & PCI, New Delhi, DTE and Affiliated to University of Mumbai & MSBTE

Faculty Profile

Dr (Mrs) Sandhya Parameswaran

M.Pharm (Quality Assurance), Ph.D. (Pharmaceutical Sciences)

Designation: Professor, In-charge Principal

Professional Experience:

Academic : 24 Years

Professional affiliations

- Registered pharmacist,
- Pharmacy Council of India.
- Life member of APTI
- PCI and LIC inspector (Mumbai University)

Achievements

1. Recipient of Senior Research Fellowship awarded by All India Council of Technical Education (AICTE) for three years (2000-2003)
2. Best oral paper in the Prize paper session of Update Ayurveda –2007 for the paper titled 'Isolation of a bioactive terpenoid from the fruit of *Helicteres isora* Linn'.
3. Prof. M.L. Khurana best paper award in the field of Pharmacognosy and Phytochemistry for year 2004 for the paper titled "Interaction of Embelin, and Iron in Ayurvedic Formulations"
4. Best poster award for the paper titled Studies on the latex of the indigenous medicinal plant *Jatropha curcas* at the International Symposium on Current Status and Opportunities in Aromatic and Medicinal Plants, Lucknow, 21st-24th February 2010.
5. Best poster award for the paper titled "Study of alkaloidal extract of *Jatropha curcas* Linn against oral pathogens" at International Conference and Expo on Challenging and Emerging Dimensions in Medicinal/Herbal Plants & Their Products: A Global Perspective from 26-28 November, 2010 at Chennai, India.
6. Recipient of the best teacher's award from the NES/SVB group of institution on their 48th Foundation day – 12th April 2011

Projects

- Supervised and successfully completed the following research projects for which Mumbai University minor research grants were received.
 - i. Phytopharmaceutical and Pharmaceutical studies on ethosomes



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of *Plumbago zeylanica* Linn.

ii. Isolation and Pharmacological studies on the alkaloids of *Jatropha curcas* Linn.

iii. Evaluation of Plant drugs for their Antiobesity activity.

iv. Phytochemical and Pharmacological investigation on the stems and leaves of *Jatropha curcas* Linn.

v. Studies on some herbal drugs for their antiepileptic activity

Core competency area

- Analytical method development on synthetic and plant molecules.

- Standardization of Herbal formulation and Phytochemicals

- Formulation development and analytical studies of synthetic and plant constituents

- Bioactivity guided fractionation and isolation of phytoconstituents from traditional plants

Students guided

Guided 40 Postgraduate students and 4 research projects are in progress

Patents

Received a patent for A stable composition of Navayasa churna comprising microencapsulated embelin and process for preparation thereof. Patent app no. 98/MUM/2014.

Research publications

- Sandhya P, Grampurohit N.D., "Bioactivity Guided Fractionation & Phytochemical Investigation on fruits of *Helicteres isora* Linn". Paper published in the Proceedings of the World Ayurved Conference 2002 Organised by Swadeshi Science Movement, Kochi, Kerala in a CD, P: 221-225.
- Sandhya P, Grampurohit N.D., "Interaction of Embelin and Iron in Ayurvedic Formulations", *Indian Journal of Pharmaceutical sciences* Vol 66, 2004, P:739-744.
- Sandhya P, Grampurohit N.D., "Comparison of Supercritical Fluid Extraction and Solvent Extraction on fruits of *Helicteres isora* Linn", *Indian Drugs*, 43(3), March 2006, P:740-745
- Sandhya P, Grampurohit N.D., "Isolation of bioactive terpene from the fruits of *Helicteres isora* Linn." *Pharmacognosy magazine*, Vol.4, Issue 14, 2008, P:107-111.
- Kadam S, Sandhya P, "Micropropagation and Organogenesis in *Adhadoda vasika* for estimation of vasicine", *Pharmacognosy magazine* Vol.5, Issue. 20, 2009, P:359-363.
- Nilesh, Sandhya P, "Evaluation of malva sylvestris and pedaliem mure: mucilage as suspending agent", *International Journal of Pharm Tech Research* Vol.2, No.1, Jan-March 2010, P :385-389.

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7. Nandan M, Sandhya P, "Standardisation of an Ayurvedic Formulation 'Sanjivani vati'", International Journal of Green Pharmacy Vol 4, Issue 3, 2010, P: 153-155.
8. Nilesh G., Sandhya P., "Evaluation of Curculigo orchioides Mucilage a Suspending Agent", International Journal of Pharm Tech Research, Vol 3, No.2, April-June 2011, P:831-835.
9. R. Snehal, and P. Sandhya, "Chromatographic analysis of bioactive markers in 'Vidangarista' an Ayurvedic polyherbal formulation", Journal of Planar Chromatography- Modern TLC. Vol.25, No. 1 (2012),p:42-47
10. Adate P.S, Sandhya P, Antisecretory Activity of Different Extracts of *Jatropha curcas* (Linn.) on Pylorus Ligated Rats, Inventi Impact Ethnopharmacology Vol. 2011, Issue 1, P:17-20.
11. Nilesh G and P. Sandhya, "Evaluation of *Aegle marmelos* fruit mucilage for binding properties", International Journal of Pharmaceutical Sciences and Research. Volume 3(2), 2012, P :620-622.
12. Rode S, Bhujbal P, and Sandhya.P, "Quantification of piperine and 18-β Glycyrrhetic acid in herbal formulation "Eladi Gutika", *Acta Chromatographica* 25(2013)1,P: 135-146.
13. Chaudhary Chetan and Sandhya P, "Alkaloid from *Jatropha curcas* Linn and its oral pathogenic activity", International Journal of Natural Products Research 2013; 2(1), P: 25-28.
14. Shruti B, Sandhya P., "Quantitative estimation of piperine, 18-β glycyrrhetic acid and 6- gingerol from Suryacid tablet formulation by HPTLC method", International Journal of Research in Pharmaceutical Sciences, 2013, 4(3), P:453-459.
15. Sandhya P. and Shalaka K., "Quantitative Estimation of Piperine and Diosgenin in Ayurvedic Formulation", *British Journal of Pharmaceutical Research*, 2014,4(8), P: 910-919.
16. Sandhya P & Renu K., "Stabilisation Of Curcumin With Ferrous Ion An Evaluation Of Its Pharmacological Property, *International Journal Of Pharmacognosy And Phytochemical Research* 2015; 7(5), P: 943-947.
17. Sandhya P & Bharat D., "Study Of A Herbal Sweetener In Pharmaceutical Dosage Forms", *World Journal Of Pharmaceutical Research*, 2015, 4(9), P 943-947.
18. Sandhya P, Trupti G "Studies on Hypocholesterolemic and Antidiabetic Activity of Capsicum annum Linn on Diet Induced Obese Rats, International Journal of Pharmacognosy and Phytochemical Research 2017; 9(7); 921-9273
19. Sandhya P and Snehalata J Design, Development and Characterisation of Ethosomal gel loaded with Plumbago zeylanica root International Journal of Research in Pharmaceutical Sciences 11(4):5511-5516
20. Diksha Aghor, Sandhya Parameswaran, Overview of migraine and novel approach in its treatment, Asian Journal of Pharmacy and Pharmacology 2021; 7(4): 190-199
21. Sandhya P and Pooja Kole Simultaneous estimation and Validation of Four antiepileptic drugs from bulk and formulation using reverse HPLC .. Brazilian Journal of Pharmaceutical Sciences 59, 2023

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Presentations

1. Sandhya P, Grampurohit N.D, "Comparison of Supercritical Fluid Extraction and Solvent Extraction on fruits of *H. isora* Linn", National Convention on Current Trends in Herbal Drugs and Annual Conference of Indian Society of Pharmacognosy organised by K.B. Institute of Pharmaceutical Education and Research. Gujrat, Jan17-18, 2003.
2. Sandhya P, Grampurohit N.D, "Isolation and Characterization of a Bioactive Terpene from the fruits of *H. isora* Linn", Update Ayurveda-2002, Organised by T.N.M.C. & B.Y.L. Nair Ch. Hospital Mumbai, 29 Nov-1st Dec, 2002.
3. Sandhya P, Grampurohit N.D, "Bioactivity Guided Fractionation & Phytochemical Investigation on fruits of *Helicteres isora* Linn", World Ayurved Conference 2002, Organised by Swadeshi Science Movement, Kochi, Kerla, 1-4 Nov 2002.
4. Sandhya P, Grampurohit N.D, "Stability Studies of Ayurvedic Formulation containing Vidang and Loha Bhasma.", International Ayurveda Conference, Chennai, January 2000.
5. Nandan M, Sandhya P., "Microscopical studies and Standardisation of Tannins in Sanjivani vati.", Indian Pharmaceutical Conference- Varanasi, December 2007.
6. Kadam S, Sandhya P, "Secondary metabolite production and organogenesis from *Adhatoda vasika*", International Seminar on Medicinal Plants and Herbal Products, organised by Department of Botany, Sri Venkateshwar University, Tirupathi and A.P. Medicinal and aromatic plant board, 7-9 Mrch 2008.
7. Two papers in International Conference in new developments in drug discovery from natural products and traditional medicine. Organised by Department of Natural Products, NIPER, Chandigarh, 16-20 Nov 2008.
 - Kadam S, Sandhya P, "Standardisation of Vasaka and Glycyrrhiza in Ayurvedic remedies"
 - Jadhav V., Sandhya P, "Study of anticariogenic properties of roots of *Mimosa pudica* Linn."
8. Four papers in International Symposium on Current Status and Opportunities in Aromatic and Medicinal Plants, Lucknow, 21st-24th February 2010.
 - Pallavi B., Sandhya P, "Chromatographic analysis of Vidangarishta."
 - Priyanka C., Sandhya P., "Screening and Evaluation of traditional medicine for antidandruff activity."
 - Pallavi M., Sandhya P. "Studies on the latex of the indigenous medicinal plant *Jatropha curcas*."
 - Nilesh Y., Sandhya P, "Studies on the mucilage of *Pedaliium murex*."

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9. Four papers in International Conference and Expo on Challenging and Emerging Dimensions in Medicinal/Herbal Plants & Their Products: A Global Prospective, 26-28 November, 2010 at Chennai, India.

- Bharat D., Snehal R., Nilesh G. and Sandhya P., "Herbal sweeteners : A boon for diabetic patients."
- Chetan C., Sandhya P., Lalit S. and Nilesh G., "Study of alkaloidal extract of *Jatropha curcas* Linn against oral pathogens."
- Nilesh G., Sandhya P., Bharat D. and Chetan C., "Studies on mucilage of *Aegle marmelos*."
- Snehal R., Pallavi B., Bharat D. and Sandhya P., "Chromatographic analysis of Eladi Gutika an ayurvedic polyherbal formulation".

10. Two papers in International Conference on Current trends in Medicinal Plant research, Pune, 10-12 Jan. 2012

- Pingale S and Sandhya P., "Antiobesity effects of galls of *Quercus infectoria*"
- Vishal Mhatre and Sandhya P, "Plant tissue culture and secondary metabolite development from *Cinnamom tamala* Nees"

11. Gaikar Nilesh, Kolte Renu and Sandhya P, Enhancement of curcumin activity by complexation with ferrous ion, 9th to 11th March, 2012 at Saurashtra University, Rajkot, Gujarat – India

12. Asmita mane and Sandhya P, Utility of *Jatropha curcas* as wound healing and antiulcer agent, 5th International conference on medicinal plants & herbal products Manipal college of pharmaceutical sciences Manipal university, Manipal, 25th – 27th January, 2013.

13. Pradnya P and Sandhya P, Phytopharmaceutical And Stability Studies Of Navayasa Churna, 2nd International Congress On Society For Ethnopharmacology, February 20-22 , 2015 at Nagpur, India

14. Two papers in 20th National convention of society of Pharmacognosy, Belgaum, 26-28 , March 2016.

- Priyanka N and Sandhya P, Simultaneous estimation of 6-gingerol and berberine in pol herbal formulation
- Snehalatha M and Sandhya P, Evaluation of antiacne activity and formulation development of ethosomes of *Plumbago zeylanica* Linn.

15. Sarvada dhage , Sandhya P presented poster presentation entitled simultaneous estimation, validation and bioanalytical studies of

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lamotrigine, oxcarbazepine and levetiracetam at 72nd IPC Nagpur 20th-22nd January 2023

16. Rohan Rajkumar, Sandhya P presented an oral presentation entitled "Formulation and evaluation of a bilayer tablet with herbal nutrient beetroot and drug isoniazid" at NSANPRM-2022: National Symposium on Advances in Natural Products Research Methodology on 23rd and 24th November

17. Two papers in 22th International Congress of the International Society for Ethnopharmacology (ISE) & the 10th International Congress of the Society for Ethnopharmacology (SFE), India (ISE-SFEC 2023) Manipur, February 24- February 26

- Sandhya parameswaran, Sarvada dhage , Microencapsulation of essential oils from lavender and anise and study of its anti epileptic activity.
- Sarvada dhage, Diksha aghor, Sandhya parameswaran Phytochemical & pharmacological investigation on the fruits of *Ficus racemosa*.