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Research Booklet 2019-2020



Compiled by

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The Sikh Education Society's

GURUNANAK COLLEGE OF PHARMACY

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Designed By-
Dr. Subhash R. Yende

PUBLICATIONS

BOOK/BOOK CHAPTER

1. Keshav Moharir, Vinita V. Kale, Abhay M. Itadwar, Y. V. Pathak. Book chapter "Introduction to Pharmaceuticals" in the book titled 'Handbook of Space Pharmaceuticals' Springer Nature. 2019.
https://link.springer.com/referenceworkentry/10.1007/978-3-319-50909-9_11-1

RESEARCH/REVIEW ARTICLE

1. Taranpreet Kaur Bamrah, Tirupati Rasala and Shekhar Waikar. Foam granulation v/s wet granulation: The effect of granulation technique on granule size distribution. Journal of Pharmacognosy and Phytochemistry, 2019, 8(6),1389-1391.
<https://www.phytojournal.com/archives?year=2019&vol=8&issue=6&ArticleId=10215>
2. Deepali Tapre, Sheelpriya Walde. A Review: Use of Rauwolfia Serpentina for Antihypertensive Activity. International Journal of Science and Research. 2019, 8(9), 262-265. https://www.ijsr.net/get_abstract.php?paper_id=ART2020833
3. Mojabir Ansari, Sheelpriya Walde. A review on inflammatory bowel disease and their treatment. International journal of science and research, 2019, 8(9), 629-633.
https://www.ijsr.net/get_abstract.php?paper_id=ART2020688
4. Taranpreet Kaur Bhamrah, Sheelpriya Walde. A review on herbal treatment for insomnia. International journal of science and research, 2019, 8(11), 1605 – 1613.
https://www.ijsr.net/get_abstract.php?paper_id=ART20203021
5. Sameer A. Hedao and Mitali Bodhankar. Advantages of Natural diuretics over synthetic diuretics as a part of Treatment. World Journal of Pharmacy and Pharmaceutical Sciences. 2019, 18(3), 310-327.
6. Pranita Kale and Mitali Bodhankar. Alternative approach to current management strategies in Ulcerative colitis. World Journal of Pharmacy and Pharmaceutical Sciences. 2019, 8(2), 336-359.
https://www.wjpps.com/Wjpps_controller/abstract_id/10081
7. Apurva Pokle, Shrikant Tilloo, Mitali Bodhankar. Medicated chewable lozenges:A review. International Journal of Recent Scientific Research (IJRSR), 2019, 10(4), 32071-32076.
<http://recentscientific.com/medicated-chewable-lozenges-review>
8. Neha Nikhade, Roshan Telrandhe, Mojabir Ansari. A review of natural antioxidants in medicinal plants. International Journal of Pharmaceutics and Drug Analysis, 2019, 7(2), 11-15. <https://ijpda.com/index.php/journal/article/view/417>
9. Suhas P. Padmane, Sagar R. Newargade, Pranav P. Kulkarni. Review on fixed dose combinations: Irrational drug combinations and patient compliance. International Journal of Engineering Development and Research, 2019, 7(3), 903-907.
<https://www.ijedr.org/papers/IJEDR1903155.pdf>
10. Tejaswini Kawanpure, Mitali Bodhankar. Insulin Therapy and it's new approaches. World Journal of Pharmaceutical and Life Sciences. 2020, 6(8), 61-75.
https://www.wjpls.org/home/article_abstract/1885

11. Mundhey DA, Daud AS, Sapkal NP, Optimization, Characterization and *In Vitro* Evaluation of Buprenorphine Microemulsion, International Journal of Pharmaceutical Sciences Review and Research. 2020, 60(2), 67-75.
<https://globalresearchonline.net/journalcontents/v60-2/12.pdf>
12. Mundhey DA, Daud AS, Sapkal NP, Fabrication of an abuse-deterrent and microemulsion-based sublingual film of buprenorphine hydrochloride for breakthrough pain management. International Journal of Applied Pharmaceutics. 2020, 12(6), 127–135.
<https://doi.org/10.22159/ijap.2020v12i6.38877>
13. Arora SK, Itankar PR, Yende SR. Phytochemical screening and TLC studies of different extracts of *Chenopodium album*, Journal of Ayurvedic and Herbal Medicine, 2020, 6(1), 15-20. http://www.ayurvedjournal.com/JAHM_202061_05.pdf
14. Subhash R Yende, Sumit K Arora, Vipinchandra B Pande, Keshav S Moharir, Abhay M Ittadwar, Phytochemical Screening and HPTLC study of *Padina tetrastratica* (Hauck). International Journal of Ayurvedic Medicine, 2020, 11(2), 306-309.
<https://doi.org/10.47552/ijam.v11i2.1488>

PATENT

- Dr. N P Sapkal - Water Soluble Pharmaceutical Film with Enhanced Stability, patent number- IN328544; Date-30 Dec, 2019, Status - Patent Granted.

PRESENTATIONS

- T.M. Rasala, Rohini Rakshak and V.V. Kale presented a paper entitled ‘Development and Evaluation of oral diskettes for dental disorders for paediatric population’ in National Conference on QbD & PAT an essential tool of product life cycle management held at SVKM'S Dr. Bhanuben Nanavati Colllege of Pharmacy, Mumbai on 28-29 August 2019.
- Shubham Kalbande, T.M. Rasala, and V.V. Kale presented a paper entitled ‘Optimized Herb drug formulation for psoriasis’ in National Conference on QbD & PAT an essential tool of product life cycle management held at SVKM'S Dr.Bhanuben Nanavati Colllege of Pharmacy, Mumbai on 28-29 August 2019.
- Rahul Langde and T.M. Rasala presented a paper entitled ‘Application of Artificial intelligence in QBD: Review’, in National Conference on QbD & PAT an essential tool of product life cycle management held at SVKM'S Dr. Bhanuben Nanavati Colllege of Pharmacy, Mumbai on 28-29 August 2019.
- Shubham Gupta, Priya Vaswani, Priyanka Bhaisare, Vaishali Kilor presented a poster on ‘Development of discriminating dissolution method of sildenafil citrate tablet in Disso India-Chandigadh 2019 a Conference on Dissolution Science and Applications with theme ‘Ensuring Built-in Quality through Dissolution Studies’, organized jointly by Society for pharmaceutical dissolution sciences (SPDS) and National Institute of pharmaceutical education and Research, Mohali, at Radisson Hotel, Chandigarh Zirakpur, Chandigadh, on 12th-13th Sep, 2019

- Mr. K. S. Moharir presented paper in International Conference of Controlled Release Society conference at Mumbai, on 29th February 2020.

M. PHARM. RESEARCH GUIDANCE

Sr. No.	Name of student	Topic	Name of guide
M. Pharm. (Pharmaceutics)			
01	Ankita Soni	Development of Natural Excipients Composites For Solid Dosage Forms Application.	Dr. V. V. Kale
02	Jash Parikh	Modification, characterization and evaluation of polymeric material as absorbents for topical application.	Dr. V. V. Kale
03	Mohammad Atif Iqbal Ansari	Development, Characterization and Evaluation of Taste Masked Multiparticulate Sprinkles Formulation.	Dr. V. V. Kale
04	Paras Kothari	Formulation and evaluation of topical spray containing Antiseptic agent.	Dr. V. V. Kale
05	Shubham Kalbande	QBD: Formulation and Process Optimization of Granules for Tablet Compression.	Dr. V. V. Kale
06	Ankita Somkuwar	Studies On Ionic Liquids Of Acyclovir As Penetration Enhancers In Transdermal Drug Delivery System	Dr. V. A. Kilor
07	Hemlata Rarokar	Studies on Antipsoriatic Activity of <i>Sapindus Mukorossi</i> fruit pericarp extract and Development of Topical Formulation	Dr. V. A. Kilor
08	Shruti Dongare	Development and evaluation of topical formulation of <i>dolichandron falcate</i> leaf exteact for the treatment of haemorrhoids	Dr. V. A. Kilor
09	Shubham Gupta	Preparation and Evaluation of Curcumin loaded Nanosuspension using High shear homogenization method.	Dr. V. A. Kilor
10	Swapnil Yeul	Preparation and evaluation of topical formulation of <i>Gaultheria fragrantissima</i> Oil for the treatment of inflammation.	Dr. V. A. Kilor
11	Nihal Landge	Formulation and Evaluation of emulgel for topical drug delivery of Azithromycin.	Mr. A.H. Deshpande
12	Satyam Hatwar	Comparative evaluation of permeation	Mr. A. H.

		enhancement activity of natural oil & butter reconstituted by transesterification with glycerin.	Deshpande
13	Vaibhav Shende	Formulation and Evaluation of Wax Microparticles of Albendazole.	Mr. A. H. Deshpande
14	Junaid Ansari	Development, Evaluation And Optimization Of Arrowroot Starch Composites For Oral Solid Dosage Forms.	Dr. A. M. Ittadwar
15	Pooja Bhomle	Formulation and evaluation of alleged agents for alcohol disorder.	Dr. A. M. Ittadwar
M. Pharm (Quality Assurance)			
1	Deepali N. Tapre	Development and Evaluation of Fast Dissolving Sublingual Film of Famotidine	Dr. S. R. Walde
2	Neha S. Nikhade	Development and Evaluation of Herbal Extract Oral Film for Anti-ulcer Activity	Dr. S. R. Walde
3	Shital A. Agashe	Phytochemical and Pharmacological Evaluation of <i>Ipomoea reniformis</i> Chois for Anticancer Activity	Dr. S. R. Walde
4	Shushma K. Girde	Formulation and Evaluation of Anti-Inflammatory Drug Loaded Microsphere	Dr. S. R. Walde
5	Taranpreet Kaur Bamrah	Development and Validation of Analytical Methods for the Estimation of Remogliflozin in Pharmaceutical Dosage Form	Dr. S. R. Walde
6	Trupti C. Bobde	Enhancement of Solubility Of Anti-Diabetic Poorly Water Soluble Drug by Using Solid Dispersion Technique	Dr. S. R. Walde
7	Mojabir Ansari	Formulation and Evaluation of Alginate-Starch Beads loaded with Broad Spectrum Anti-biotic for Colon Specific Drug Delivery	Dr. S. R. Walde
8	Rahul R. Langde	Enhancement of Solubility and Bioavailability of BCS Class II Drug	Dr. S. R. Walde
9	Harshali N. Shende	Development of Cellulose/Micro Crystalline Cellulose from Cotton Waste Using Ecofriendly Process as Tablet Excipient	Dr. S. P. Padmane
10	Priyanka L. Mokharkar	Development and Validation of Analytical Methods for the Estimation of Ramosetron in	Dr. S. P. Padmane

		Pharmaceutical Dosage Form	
11	Priyanka N. Warambhe	Formulation and Evaluation of Herbal Extract Gel Based Hand Wash	Dr. S. P. Padmane
12	Rahul S. Gupta	Development and Validation of Analytical Methods for the Estimation of Igaratimod in Pharmaceutical Dosage Form	Dr. S. P. Padmane
13	Rina G. Kalbande	Phytochemical and Pharmacological Evaluation <i>Balanites Roxburghiana</i> linn for Anticancer Activity	Dr. S. P. Padmane
14	Sagar Newargade	Development and Validation of Analytical Methods for the Estimation of Bilastine in Pharmaceutical Dosage Form	Dr. S. P. Padmane
15	Sonam S. Yadav	Extraction and Isolation of Phytoconstituents of <i>Passiflora foetida</i> Linn. Plant and their Pharmacological Screening for Anti-depressant Activity	Dr. S. P. Padmane
M. Pharm (Pharmaceutical Chemistry)			
01	Harshpal Singh Wahi	Preformulation studies of molecules processed using electrospinning technique.	Dr. N.P.Sapkal
02	Komal S. Gupta	To Establish the Degradation Profile of Betahistine.	Dr. N.P.Sapkal
03	Komal Akare	Synthesis and Characterization of Improved Pharmaceutical Salts of Acyclovir.	Dr. N.P.Sapkal
04	Shikha D. Popali	Synthesis and characterization of improved Pharmaceutical Salts of Betahistine.	Dr. N.P.Sapkal
05	Abhijit N. Daf	Phytochemical screening and evaluation of analgesic activity of flavonoid rich fraction of leaves of <i>Clerodendrum infortunatum</i> Linn.	Dr. S.B. Waikar
06	Dhammadip Nandgaye	Phytochemical screening and evaluation of analgesic activity of flavonoid rich fraction of leaves of <i>Lepidagathis cristata</i> Willd.	Dr. S.B. Waikar
07	Payal A. Chandurkar	Synthesis and Characterization of Hesperidin Derivatives Based on QSAR Studies.	Dr. S. B. Waikar
08	Sameer A. Hedao	Design and Synthesis of Fluoroquinolone Derivatives as Antibacterial agent.	Dr. S. B. Waikar

09	Priya V. Vaswani	Synthesis of 7-substituted Fluoroquinolone derivatives as Antibacterial agents.	Dr. A. M. Ittadwar
10	Shivani Chaudhari	Isolation and Characterisation of Bioactives from <i>Psidium guajava</i> Leaves	Dr. A. M. Ittadwar

Dr. V. V. Kale

Mrs. M. K. Bhurchandi

Mr. K. B. Bhelkar

Dr. S. R. Yende

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