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RESEARCH INTEREST

Invasomes: An Advance Drug Delivery System for Effective Management of Topical Fungal Diseases.

EDUCATION and DEGREES

- 2024 **Ph.D. (Pharmacy):** Career Point University, Kota, Rajsthan, India
Guide: Prof. M.K. Gupta
Ph.D. Thesis: Formulation, Development and Evaluation of Ketoconazole Invasomes for Effective Management of Topical Fungal Diseases
- 2012 **M. Pharm (Pharmaceutics):** RMES College of Pharmacy, Kalaburagi, Karnataka
Guide: Dr. Baswaraj Patil
M. Pharm Thesis: Development And In-Vitro Evaluation Of Mucoadhesive Buccal Tablets Of Tizanidine Hydrochloride Using Natural Polymers
- 2009 **B. Pharm** SVPM's College of Pharmacy, Malegaon Bk (Maharashtra)

EMPLOYMENT DETAILS

- 2011 to 2012: Asst. Professor, Meruling Shikshan Santha's, College of Pharmacy, Medha, Satara
2012 to till date: Asst. Professor, SVPM's Institute of Pharmacy, Malegaon Bk, Baramati - 413115

PROFESSIONAL EXPERIENCE

Teaching & Administrative	Research	Industry	Total
14 Years	0 Years	1 Years	14 Years

PATENTS

Bhanu Pratap Singh, Nidhi, Sandeep Somnath Tate 2023. Oxytocin Intranasal Spray Composition For Improved Absorption and Rapid Onset of Action (Patent No. 27/2023 granted on 07/07/2023 (Application No. 202311039804, filled on 10.06.2023)

RESEARCH PAPERS

1. Sandeep Somnath Tate, M.K. Gupta, Formulation And Characterization Of Ketoconazole Loaded Invasomes Using Box-Behnken Design: Journal of Pharmaceutical Negative Results, Volume 13, Special Issue 5, 2022 [IF 5.22].

2. M.K. Gupta, Sandeep Somnath Tate., *Formulation and Evaluation of Ketoconazole Loaded Invasomal Gel for Effective Topical Fungal Treatment* ; *Neuroquantology*, November 2022, Volume 20, Issue 17, Page 2282-2287| Doi: 10.48047/Nq.2022.20.17.Nq880293 **[IF 0.45]**.
3. Basawaraj S.Patil*, Sandeep S. Tate, Upendra Kulkarni (2011). *Development And In-Vitro Evaluation Of Mucoadhesive Buccal Tablets Of Tizanidine Hydrochloride Using Natural Polymer Xanthan Gum*, *International Journal of Pharmaceutical Sciences Review and Research*, Volume 8, Issue 2, May – June 2011; Article-024, Page140-146 **[IF 0.9]**.
4. Basawaraj S.Patil*, Sandeep S. Tate, Upendra Kulkarni, (2011). *Development and in vitro evaluation of mucoadhesive buccal tablets of Tizanidine hydrochloride using natural polymer guar gum*, Vol.2 (2 - 3) March – June -2011 **[IF 0.7]**.
5. Upendra Kulkarni*, Sandeep S.Tate *Formulation And Evaluation Of Pimozide Fast Dissolving Tablets By Solid Dispersion Technique*, *International Journal of Pharmaceutical Sciences*, , 2010;2(3):724-727

REVIEW and GENERAL PAPERS

6. Ganesh V Devkate1*, Sandeep S Tate1 , Atul S Bhujbal 2016. *Stem Cell: A Review IJPPR*, 296-311.
7. Sandeep S. Tate1 *; Ganesh V. Devkate1 , Sonali B. Deokate 2017. *An Overview On Mucoadhesive Drug Delivery System. European Journal of Biomedical AND Pharmaceutical sciences ejbps*, 2017, Volume 4, Issue 02.

PROFESSIONAL AFFILIATIONS

Association of Pharmaceutical Teachers of India (MA/LM-1817); Registered Pharmacist for Maharashtra State Pharmacy Council (Registration No. 103997);

SERVICE (Institute)

Institute

Head, Pharmacy Council of India Activities, Admission, Scholarship, Regional Assessment Cente, Co-ordinator – Fees Fixation Committee, MSBTE Activities, DTE Activities

Research Profile (updated on 07th July 2024)

Number of Research Publications	05
Cumulative Impact Factor	7.2
Patent	Indian Patent No. 27/2023; Granted on 07/07/2023

Administrative Expertise

<ul style="list-style-type: none"> • Believe in Teamwork, Democratic values & Transparency 	<ul style="list-style-type: none"> • Perspective Planning, Performance Monitoring
<ul style="list-style-type: none"> • Apply LMS for improvisation & personalization of the education. 	<ul style="list-style-type: none"> • Bring clarity by defining policies, procedures & rules.
<ul style="list-style-type: none"> • Synergize team efforts 	<ul style="list-style-type: none"> • See Problems & Challenges as Opportunity
<ul style="list-style-type: none"> • Respond & Resolve student's issues 	

Academic Expertise

Curriculum Design	<ul style="list-style-type: none"> • Industry Needs: Engage with industry professionals to understand current trends, challenges, and skills required. • Academic Goals: Align with educational standards and institutional objectives • Student Needs: Consider the background and aspirations of the students • Backward Design of Academic Planning: Results (Goal Setting)---- Assessments---Instructions • Instructions: Ways to 'Uncovering' syllabus
Assessment Designs	<ul style="list-style-type: none"> • Setting authentic performance tasks. • Designed Question paper based on difficulty level & mapped with Course Outcomes & Cognitive. • Criterion-based scoring tools used to evaluate student products and performances. • Various Assessment formats used to provide additional evidence of learning • Assessments used as feedback for students & teacher • Encouraged Self-assessing
Remedial Measures (Assignments & Feedbacks)	<ul style="list-style-type: none"> • 'PBL Assignments' & designed guidelines for giving feedback on student's performance.

Vision for next Five Years

Transform conventional education into Organized, in-depth, & Personalized Learning Experience using ICT tools

Academics: *To bring radical changes in goal setting, Assessments.*

Administration: *To lead team by empowering all to explore synergism.*

Research: *To link diverse peoples to explore the out-of-box solution.*

Accreditation: *To qualify NBA to strengthen institutional differentiation process.*