

# Appendices

**PUBLICATIONS FROM THESIS****Research**

- **V.K. Rapalli**, S. Sharma, A. Roy, G. Singhvi, Design and dermatokinetic evaluation of apremilast loaded nanostructured lipid carriers embedded gel for topical delivery: A potential approach for improved permeation and prolong skin deposition, *Colloids Surf. B.* 206 (2021) 111945.
- **V.K. Rapalli**, S. Sharma, A. Roy, A. Alexander, G. Singhvi, Solid lipid nanocarriers embedded hydrogel for topical delivery of apremilast: In-vitro, ex-vivo, dermatopharmacokinetic and anti-psoriatic evaluation, *J. Drug Deliv. Sci. Technol.* 63 (2021) 102442.

**Review**

- **V.K. Rapalli**, G. Singhvi, Dermato-pharmacokinetic: assessment tools for topically applied dosage forms, *Expert Opin. Drug Deliv.* (2020) 1–4.
- **V.K. Rapalli**, T. Waghule, S. Gorantla, S.K. Dubey, R.N. Saha, G. Singhvi, Psoriasis: pathological mechanisms, current pharmacological therapies, and emerging drug delivery systems, *Drug Discov. Today.* 25-12 (2020), 2212-2226.
- **V.K. Rapalli**, T. Waghule, N. Hans, A. Mahmood, S. Gorantla, S.K. Dubey, G. Singhvi, Insights of lyotropic liquid crystals in topical drug delivery for targeting various skin disorders, *J. Mol. Liq.* 315 (2020) 113771.
- **V.K. Rapalli**, G. Singhvi, S.K. Dubey, G. Gupta, D.K. Chellappan, K. Dua, Emerging landscape in psoriasis management: From topical application to targeting biomolecules, *Biomed Pharmacother.* 106 (2018) 707-713.

**Book chapters**

- **V.K. Rapalli**, A. Khosa, G. Singhvi, V. Girdhar, R. Jain, S.K. Dubey, Application of QbD Principles in Nanocarrier-Based Drug Delivery Systems, *Pharm. Qual. by Des.* (2019) 255–296.
- G. Singhvi, S. Hejmady, **V.K. Rapalli**, S.K. Dubey, S. Dubey, Nanocarriers for topical delivery in psoriasis, in: R. Shegokar (Ed.), *Deliv. Drugs*, Elsevier Inc., Germany, 2020: pp. 75–96.

### Conferences attended

- **Vamshi Krishna Rapalli**, Tejashree Waghule, Srividya Gorantla, Sunil K. Dubey, Ranendra N. Saha, Gautam Singhvi. Topical Delivery of Curcumin Loaded Lipidic Nanocarrier for Improved Efficacy towards Pivotal Microbes and Inflammation in Psoriasis and Atopic Dermatitis Skin Conditions. “DISSO INDIA-Chandigarh-2019, Theme: Ensuring built-in quality through dissolution studies”. 12-13 September 2019, SAS Nagar, Chandigarh.
- **Vamshi Krishna Rapalli**, Gautam Singhvi, Sunil K. Dubey, Ranendra N. Saha, Lipid based Nanocarriers of Anti-Psoriatic Drugs for Enhancing Permeation through the Skin. International Conference on Life Science Research & its Interface with Engineering and Allied Sciences (LSRIEAS-2018). 1-3 November 2018, Pilani, Rajasthan.

### Patents filed from Thesis

- Lipidic nanocarriers embedded topical preparation of PDE4 inhibitors. 201911011317 (TEMP/E-1/11991/2019-DEL).
- Apremilast loaded liquid crystalline nanoparticles for topical delivery in the treatment of psoriasis. 201911015370 (TEMP/E-1/16093/2019-DEL).

### **Dr. Gautam Singhvi Bibliography**

He is working as Assistant Professor in the Department of Pharmacy, BITS, Pilani. He obtained his Ph.D. from BITS Pilani. He has been working as a faculty member in BITS-Pilani since the year 2015. He has industrial research experience on solid oral, pellets, and complex pharmaceutical product development. Currently, he is involved in industrially feasible nanocarriers-based formulation development and optimization for various therapeutic agents. He has many publications in reputed international and national peer-reviewed journals and filed 6 patents. He is actively involved in sponsored research projects in collaboration with the pharmaceutical industries. He is also passionate about practicing the newer teaching pedagogy in his classroom teaching and motivating students to face the challenges of the new era.

### **Mr. Rapalli Vamshi Krishna Bibliography**

He has completed M. Pharmacy from St. Peter's Institute of Pharmaceutical Sciences, Kakatiya University, Warangal. He has qualified GPAT-2012, achieved all India rank 2988. He has three years of industrial work experience in Aizant Drug Research Solutions Pvt. Ltd., Hyderabad for two years (trainee executive and Executive) from February 2014 to July 2016 and Hetero Health Care Ltd. Hyderabad (Research Associate) from August 2016 to July 2017. He has industrial experience in developing oral solid dosage forms, oral liquid dosage forms and topical gels. He has research experience development and characterization of lipid-based nanoformulations for topical delivery.