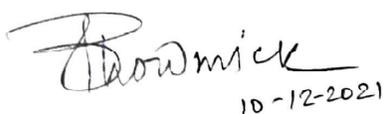


CERTIFICATE OF PUBLICATION

This is to certify that the following enlisted publications (list of publications are attached herewith) belong to my Ph.D. student Mr. Saikat Ghosh who wishes to submit thesis entitled “*Dual drug loaded liposomes for controlled delivery of anticancer agents*” herewith to The Maharaja Sayajirao University of Baroda, Vadodara for the award of Ph.D. in Pharmacy.



10-12-2021

Guide

Dr. Subhas Bhowmick,
Senior Vice President,
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13-12-2021

Co-Guide

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Gujarat-390001, India.

1. Title of the thesis: Dual drug loaded liposomes for controlled delivery of anticancer agents

2. Name, Designation & Institution of the Guide:

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Late. Prof (Dr.). Ambikanandan Misra,
Professor, Department of Pharmaceutics, Faculty of Pharmacy, The Maharaja
Sayajirao University of Baroda, Vadodara, Gujarat-390001, India.

5. List of Publications

5.1 Research articles

- 1) **Saikat Ghosh**, Rohan Lalani, Kuntal Maiti, Shubhadeep Banerjee, Himanshu Bhatt, Yamini Shankar Bobde, Vivek Patel, Swati Biswas, **Subhas Bhowmick**, **Ambikanandan Misra** (2021). Synergistic Co-loading of Vincristine improved chemotherapeutic potential of Pegylated Liposomal Doxorubicin against Triple Negative Breast cancer and Non-Small cell Lung cancer. *Nanomedicine: Nanotechnology, Biology, and Medicine* 31: 102320
- 2) **Saikat Ghosh**, Rohan Lalani, Kuntal Maiti, Shubhadeep Banerjee, Vivek Patel, **Subhas Bhowmick**, **Ambikanandan Misra** (2020). Optimization and efficacy study of synergistic vincristine coloaded liposomal doxorubicin against breast and lung cancer. *Future Nanomedicine (London)* 15:26, 2585-607.

5.2 Review articles

- 1) **Saikat Ghosh**, Ankit Javia, Saritha Shetty, Denish Bardoliwala, Kuntal Maiti, Shubhadeep Banerjee, Ajay Khopade, **Ambikanandan Misra**, **Krutika Sawant**, **Subhas Bhowmick**. Triple negative breast cancer and non-small cell lung cancer: Clinical challenges and nano-formulation approaches (2021). *Journal of Controlled Release*, 337: 27-58.
- 2) **Saikat Ghosh**, Pooja Mishra, Amit Dabke, Anjali Pathak, **Subhas Bhowmick**, **Ambikanandan Misra** (2020). Targeting approaches using polymeric nanocarriers. In A Misra and A Shahiwala edited Applications of Polymers in Drug Delivery. Chapter No. 14. Pages: 383-401, *Elsevier*.
- 3) **Saikat Ghosh**, Rohan Lalani, Vivek Patel, **Subhas Bhowmick**, **Ambikanandan Misra** (2019). Surface engineered liposomal delivery of therapeutics across the blood brain barrier: recent advances, challenges and opportunities. *Expert Opinion on Drug Delivery*, 16:12, 1287-311.
- 4) **Saikat Ghosh**, Rohan Lalani, Vivek Patel, Denish Bardoliwala, Kuntal Maiti, Shubhadeep Banerjee, **Subhas Bhowmick**, **Ambikanandan Misra** (2019). Combinatorial Nanocarriers Against Drug Resistance in Hematological Cancers: Opportunities and Emerging Strategies. *Journal of Controlled Release*. 296:114-39.
- 5) Arun Kumar Kotha, **Saikat Ghosh**, Neeraja Komanduri, Rui Wang, Bhavani Prasad Vinjamuri, **Subhas Bhowmick**, Mahavir Bhupal Chougule (2019). Approaches in Barriers, Modifications, Route of Administrations, and Formulations of Therapeutic Agents for Brain Delivery. In **A Misra** and A Shahiwala edited Novel drug delivery Technologies: Innovative strategies for drug Re-positioning. Chapter No. 11. Pages: 383-401, *Springer Nature Singapore*.

4.3 Other co-authored research & review articles

- 1) Vivek Patel, Rohan Lalani, Imran Vhora, Denish Bardoliwala, Akanksha Patel, **Saikat Ghosh**, Ambikanandan Misra (2020). Co-delivery of cisplatin and siRNA through hybrid nanocarrier platform for masking resistance to chemotherapy in lung cancer. *Drug Delivery and Translational Research*. 11(5): 2052-71.
- 2) Vivek Patel, Denish Bardoliwala, Rohan Lalani, Sushilkumar Patil, **Saikat Ghosh**, Ankit Javia, Ambikanandan Misra (2021). Development of dry powder for inhalation of nanoparticles co-delivering cisplatin and ABCC3 siRNA in lung cancer. *Therapeutic delivery*. 12 (9):651-672.



- 3) Denish Bardoliwala, Ankit Javia, Saikat Ghosh, Ambikanandan Misra, Krutika K.Sawant (2021). Formulation and Clinical Perspectives of Inhalation Based Nanocarriers Delivery: A New Architype in lung cancer treatment. *Therapeutic Delivery*. 12(5):397-418.
- 4) Denish Bardoliwala, Vivek Patel, Ankit Javia, Saikat Ghosh, Akanksha Patel & Ambikanandan Misra (2019). Nanocarriers in effective pulmonary delivery of siRNA: current approaches and challenges. *Therapeutic Delivery*. 10(5):311-332.
- 5) Vivek Patel, Rohan Lalani, Denish Bardoliwala, Saikat Ghosh, Ambikanandan Misra (2018). Lipid-Based Oral Formulation Strategies for Lipophilic Drugs. *AAPS PharmSciTech*. 19(8):3609-3630.

5.4 Poster Presentations

- 1) Saikat Ghosh, Krutika Sawant, Subhas Bhowmick, Ambikanandan Misra, Ajay Khopade, Kuntal Maiti, Shubhadeep Banerjee (2021). "Explorative studies of synergistic co-loading of vincristine into liposomal doxorubicin against breast cancer and lung cancer" at international symposium on "Advances in technology and business potential of new drug delivery systems"; Controlled Release Society-Indian chapter, 2021, ICT, Mumbai, India.
- 2) Saikat Ghosh, Subhas Bhowmick, Ambikanandan Misra (2019). "Synergistic combinatorial liposomal delivery of two drugs for treatment of breast and lung cancer" at international symposium on "Advances in technology and business potential of new drug delivery systems"; Controlled Release Society-Indian chapter, 2019, ICT, Mumbai, India.


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