

REPORT ON
ATTENDED INTERNATIONAL CONFERENCES
UNDER INTERNATIONAL TRAVEL SUPPORT SCHEME

From TEQIP-II,
University Institute of Chemical Technology
North Maharashtra University, Jalgaon-425001

- Permission letter No. and date : NMU/UICT-Pharma./895/2013 dated 29/08//2013
1. Name of the Faculty : Mr. Vinod Jagannathrao Mokale
2. Full address of the University
with Department : Department of Pharmaceutical Technology,
University Institute of Chemical Technology,
North Maharashtra University, Jalgaon
3. Name of the Event : International Conference on Biomedical and
Pharmaceutical Sciences (ICBPS'13) October 10-11,
2013, Batam Island (Indonesia)
5. Place and Date of the Event : Batam Island (Indonesia), October 10-11, 2013

6. Academic Highlights including new Development presented at the Conference (200 words):

Abstract:

Context: The purpose of this work was preparation and evaluation of floating microsphere using cimetidine (CM) as a model drug by solvent evaporation method (O/O).

Objective: To achieve an extended retention of floating microsphere using cimetidine (CM) microsphere in the upper GIT followed by enhanced absorption and improved bioavailability.

Methods: The microspheres were prepared by the solvent evaporation method using different ratios of polymers like hydroxy propyl methyl cellulose and ethyl cellulose.

Results: The prepared Cimetidine microspheres were evaluated for FTIR and XRD study and found no interaction between drug and excipients, entrapment efficiency was found to be 91.12%, microspheres was spherical in shape with smooth surface in micro size it reveals by surface morphology (FE-SEM) and *in vitro* drug release study shown 79.6% drug release within 12 hrs.

Conclusion: *In vitro* study of polymer encapsulated Cimetidine shown good buoyancy and entrapment efficiency along with decrease in dosing frequency.

Key Words: Floating microsphere, Hydroxypropyl methyl cellulose, ethyl cellulose, solvent evaporation (O/O).

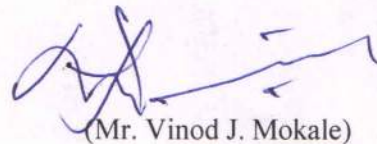
7. Participation Contribution to the Conference (100 words):

I successfully presented my research paper orally entitled "Formulation and *In Vitro* Evaluation of Cimetidine Microsphere as Gastro Retentive Floating Drug Delivery System" in the said conference and get the positive response from all the present global delegates as well from International Scientist towards my research work with some beneficial suggestions.

8. Outcome from the visit:

In the said conference I was invited to chair the session in the field of pharmaceutical sciences and technology, as well at the said conference I meet international scientist and got some novel ideas regarding how we can improve the quality of our research as well health of society for better patient compliance.

Date: 15/10/2013



(Mr. Vinod J. Mokale)