



Department of Science & Technology
Government of Gujarat

Gujarat Council on Science and Technology (GUJCOST)
Sponsored One Day National Seminar on
“Futuristic Perspectives on Inhaled Drug Therapy”

[January 9th, 2016]



Organized by:
Maliba Pharmacy College
UkaTarsadia University
Bardoli-Mahuva Road
Bardoli, Surat, Gujarat (394350)

Patron: Dr. Dinesh R. Shah, Provost, UTU

Convener: Dr. Shailesh A. Shah, Principal, Maliba Pharmacy College

Organizing Secretary: Dr. Sanjay Tiwari

Coordinator: Dr. Pranav J. Shah

Local Organizing Committee:

Mr. Furqan Maulvi (Finance)

Ms. Hetal Patel (Hospitality)

Dr. Gajanan Kalyankar (Travel)

Dr. Arti Gupta (Registration)

Dr. Bhavin Marolia (Scientific Committee)

Dr. Jignesh Raval (Scientific Committee)

Prof. Rajshekhar Ingalhalli (Scientific Committee)

Mr. Vivek Patel (Accommodation)

About the University

The establishment of UkaTarsadia University (UTU) in 2011 by the Bardoli Pradesh Kelavani Mandal (BPKM) is an effort towards meeting the growing demand for quality education. The University offers admissions in a comprehensive array of academic programs across the

disciplines of Pharmacy, Management, Architecture, Nursing, Physiotherapy, Computer Science, Engineering & Technology and Applied Sciences. The university provides educational opportunities to over 9000 students. More than 450 faculty members of the university represent an eclectic mix of professional and academic, national and international experiences. UTU has established MoUs with several Foreign Universities, like Cape Breton University (Canada), University of Ilorin (Nigeria) and University of Prince Edward Island (Canada).

About the Institute

Maliba Pharmacy College, a constituent Institute of UTU, is located in the picturesque campus of GopalVidyanagar on Bardoli-Mahuva road. The college is approved by All India Council for Technical Education (AICTE), the Pharmacy Council of India (PCI) and Directorate of Technical Education, Govt. of Gujarat. Our B.Pharm.program is accredited by National Board of Accreditation (NBA).

The college has state-of-the-art infrastructure and instrumental facilities and provides a serene atmosphere for academic excellence. The college houses a voluminous library, classrooms with multimedia facilities, well equipped laboratories, CPCSEA approved animal house, modern Computer and Language labs. The college has its own sophisticated laboratory of instruments for the characterization and analysis of pharmaceuticals. The college offers B.Pharm., M.Pharm. (Pharmaceutics, Quality Assurance and Pharmacology, and Ph.D. degree.

About the Seminar

Inhaled therapies have been used since ancient times and may have had their origins with the smoking of datura preparations in India 4,000 years ago. Atomizers and nebulizers were developed in the mid-1800s. Around the turn of the 20th century, combustible powders and cigarettes containing stramonium were popular for asthma and other lung complaints. Following the discovery of the utility of epinephrine for treating asthma, hand-bulb nebulizers were developed, as well as early compressor nebulizers. There have been remarkable advances in the technology of devices and formulations for inhaled drugs in the past 50 years. These have been influenced greatly by scientific developments in several areas: theoretical modeling and indirect measures of lung deposition, particle sizing techniques and in vitro deposition studies, scintigraphic deposition studies, pharmacokinetics and pharmacodynamics. We are now in an era of rapid technologic progress in inhaled drug delivery and applications of aerosol science, with the use of the aerosolized route for drugs for systemic therapy and for gene replacement therapy, use of aerosolized antimicrobials and immunosuppressants, and interest in specific targeting of inhaled drugs. Aerosol therapy for the treatment of tuberculosis and other pulmonary infections is growing due to the accessibility of local targeting, the complexities of treatment by conventional routes and the impressive advancement of inhalation technology.

Hence, it becomes imperative to keep an update on the recent developments in this area. The present seminar has been planned with the following objectives:

- To allow exchange and sharing of the latest development of the inhaled drug therapy from innovators and experts on the area
- To understand translation of products, technologies and procedures for efficiently treating the pulmonary infective diseases
- To understand the impact of pathophysiology factors on the fate of inhaled medicines

Who should attend:

We hereby invite experts, B.Pharm students, M. Pharm. Students, M. Sc students and Ph.D. scholars in research, industry, clinical and the related areas to join us for brainstorming scientific deliberations.

Poster Presentation:

Research or review articles related to the following areas are invited.

Pharmaceutical Technology & Pharmaceutics,

Pharmacognosy, Natural Product Research

Pharmaceutical/Medicinal Chemistry, Computational Chemistry and Molecular Drug Design,

Pharmacology,

Pharmaceutical Analysis,

Cell Biology, Genomics and Proteomics,

Bioinformatics and Biotechnology

Authors are instructed to send the abstract (not exceeding 250 words) in soft copy using Times New Roman (Font Size 12 & single line spacing). Author name(s), affiliation, postal address and email for communication must be invariably mentioned. The name of presenting author should be marked by asterisk. The deadline for submission of paper is 01/01/2016. **Registration is compulsory for the presenting authors.**

Our distinguished speakers:**Dr. Ambikanandan Misra**

Professor Ambikanandan Misra is currently Dean at Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda. He has been associated with the field of pharmaceutical sciences as an industrialist and an academician for more than 35 years. His key areas of his research include nasal and pulmonary drug delivery systems, gene delivery vectors, protein delivery systems, cancer therapeutics, targeted nanocarriers and transdermal drug delivery systems. 37 Ph.D and about 111 Master students have completed their dissertation works under his guidance. He has filed 29 national and 4 international patents, out of which 6 have been granted so far. He is recipient of many prestigious awards namely national award for TAPTEC research project from Vice-President of India, Best scientist of the year award by APTI in 2009 and many more. He is coordinating the activities of six major research project funded by government of India amounting above 300 million rupees. He is the coordinator of TIFAC-Centre of Relevance and Excellence in New Drug Delivery System, PURSE, DST, SBIRI, Department of Biotechnology and Sub-coordinator of Interdisciplinary Life Science program of Advance Research and Education, Department of Biotechnology.

Dr. Vandana Patravale

Dr. Patravale is a Professor of Pharmaceutics at the Institute of Chemical Technology, Mumbai. Her research area includes nanotechnology based drug and gene delivery systems, tissue engineering and scaffolds, novel carriers for solubilization and formulation development, lipid conjugates and surfactant synthesis. Prof. Patravale owns 3 granted patents and 4 trademark registries with 15 additional filed patents in pipeline that include European as well as US patents. She currently has four DBT projects, one Indo-Swiss joint project, one ICMR project and two projects from private industries. She has received certain prestigious awards like, BVDUPCP-Pharmacy Teacher of the Year (2012) and Dr. P.D. Patil Best Pharmaceutical Scientist of the Year (2014).

Dr. Mala Menon

Dr. Menon is a Professor of Pharmaceutics at the Bombay College of Pharmacy, Mumbai since 1987. Her research area includes nasal and pulmonary drug delivery systems, probiotics, vaccine delivery approaches, enzyme delivery systems and dissolution rate test evaluations. She has handled several projects from government agencies like AICTE, UGC, BRNS, Mumbai University as well as from private industries like Glenmark, Famy Care, Abott, Mother dairy, Yash Pharma, US Vitamins. She has received several prestigious awards. Several Ph.D and about Master students have completed their dissertation works under her guidance.

Address for correspondence:

Maliba Pharmacy College
UkaTarsadia University
Bardoli-Mahua Road (Surat) – Gujarat (394350)
Contact No.: 91-2625-255882

Registration Fee:

- Students/Research Scholars: Rs. 100
- Faculty: Rs. 150
- Delegates from industries: Rs. 200

Last date of registration: 1st January, 2016

Note: Queries regarding the seminar may be directed to Dr. Pranav Shah (9979296582)



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Registration Form

Name (In Capital Letters): _____

Academic Qualification: _____

Designation: Student/Research Scholar/Faculty/Delegate from Industry

Name of the Institute/Industry: _____

Address for correspondence: _____

Details of Payment: Cash/Demand Draft/At Par Cheque (Please mention the Cheque/DD No.)

(Demand Draft/At Par Cheque should be drawn in the favor of “Principal, Maliba Pharmacy College” payable at Bardoli)

Mobile: _____ Telephone: _____

E-mail: _____

Signature of the Applicant

Head of the Institute
[Signature and Seal]



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Cell No. 997929682
Website: www.utu.ac.in

- Registration Forms can be downloaded from the Website of Uka Tarsadia University.
- Duly filled registration form, along with the registration fee, should be sent at the above-given address.