LIST OF PUBLICATIONS


33. B. Singh, Professor K.S. Chopra and Professor R.L. Gupta, as We Fathom Them: Biographic Sketches, Pharmacos, 295, 3-21, 1996.

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**COMPUTER SOFTWARE DEVELOPED**

i. **ZOREL**, for evaluation of drug release from compressed matrices

ii. **PROBE**, for protein binding evaluation at varied pH, protein conc. and temperatures

iii. **PATCH**, for evaluation of drug release & permeation kinetics of transdermal systems

iv. **STAKIN**, for treatment of data generated during drug stability kinetic studies

v. **STACON**, for computation of stability constants of drug-metal complexes

vi. **COPE**, for pharmacopeial and manufacturer evaluation of solid dosage forms

vii. **COMP-AAWARE**, for educating on computer applications to pharmacy novitiates

viii. **INPRO-SQC**, for in-process statistical quality control of drug formulations

ix. **BIOAAWARE**, for educating on bioavailability and bioequivalence concepts to novice

x. **PUSHDRUG**, for community pharmacy shop management

xi. **NPSTAT**, A software for nonparametric statistical evaluation of pharmaceutical data

xii. **FACTOP**, for design and evaluation of optimization studies on drug dosage forms

xiii. **MicroM**, for micromeritic evaluation of particulate pharmaceutical systems

xiv. **STOCHA**, for noncompartmental stochastic pharmacokinetic analysis

xv. **Vesical**, for creating awareness on vesicular drug delivery systems to students
INVITED LECTURES DELIVERED

1. Pharmacokinetics and its Role in Development of New Drugs and Drug Delivery Systems, Department of Pharm Sciences, Maharishi Dayanand University, Rohtak. 16 Nov. 2005.
2. Pharmaceutical Informatics and Pharmacy Education, Department of Pharmaceutical Sciences, Maharishi Dayanand University, Rohtak. 16 Nov. 2005.
3. Systematic Design and Optimization of Variegated Drug Delivery Systems, AICTE-Short Term Training Programme, Quality Improvement Programme, Department of Pharm. Sciences, Dr. Hari Singh Gour Vishwavidyalaya, Sagar. 22 June 2005.


21. In-process Statistical Quality Control of Pharmaceutical Dosage Forms: Perspectives, Potential and Problems, Workshop on SQC, Unichem Laboratories Ltd (Baddi, HP), Hotel Sunbeam, Chandigarh. 8 June 2001

22. Drugs, Diseases and Diet: A Three-Dimensional Approach in Health Care, Coaching Center for Indian Administrative Services, Panjab University, Chandigarh. 9 Nov. 2000.


25. Pharmacokinetics: A Bird’s Eyeview, AICTE-ISTE training program on Recent Developments in Pharm Sciences at the Panjab University, Chandigarh. 8 Mar. 2000.


27. Noncompartmental Approaches for Pharmacokinetic Analysis, National training course on Recent Approaches in Clinical Pharmacokinetics and Therapeutic Drug Monitoring, Division of Pharmacology & Toxicology, IVRI, Izatnagar, U.P. 1 Nov. 1999.


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OTHER IMPORTANT ACHIEVEMENTS, HONORS AND AWARDS

- Awarded Membership of Research Board of Advisors, 1999 onwards, American Biographical Institute (ABI), USA.
- Member, Reviewer's panel with several prominent pharmaceutical journals like, International Journal of Pharmaceutics, AAPS PharmSciTech, European Journal of Pharmaceutics and Biopharmaceutics, Journal of Pharmacy and Pharmaceutical Sciences (CSPS, Canada), Indian Journal of Pharmaceutical Sciences, Macromolecules (American Chemical Society), for which reviewed 14 research papers, 08 review papers and several IPC abstracts till date.
- Have handled six major research projects from UGC, MHRD, CSIR and drug industry.
- Supervised research for 26 M. Pharm. projects; Jointly supervised 2 Ph.D. and 1 post-doctoral res. projects. Currently guiding 3 more M.Pharm.; Co-guiding 3 Ph.D. projects
- Member, Panel of Subject Experts (Pharmaceutics), Board of studies or Research Degree Committee with AICTE and half-a-dozen Universities of North India; Selected faculty members, evaluated M. Pharm. theses, Ph.D. synopses, and inspected several pharmacy and technological institutions for approval with AICTE and /or affiliation with the respective Universities.
- Member, Task Force for the establishment of National Institute of Pharmaceutical Education at Research (NIPER), Mohali, Punjab, 1993-95.
- Identified as expert in area of computer applications by All India Board of Pharmaceutical Education (AIBPE) of AICTE on 24 August 1998. Executed the task of framing AICTE syllabus for M. Pharm. students on computer applications and for B.Pharm. students on Pharmacokinetics & Biopharmaceutics, as entrusted by AIBPE.
- Acted as Chairman, Computers & Delegate Data Processing Committee, at several National conferences, seminars and symposia held at Chandigarh, including at the 46th session of Indian Pharmaceutical Congress, Chandigarh, December 1994
- Have authored 42 papers for presentation at various national and international forums.
- Conducted over half-a-dozen workshops on diverse pharmaceutical disciplines esp. Computer-based DoE optimization and advanced pharmacokinetics in India and USA.
- Life member, IPA, APTI and IPGA. Hony. Life member, QSAR & Modeling Society (USA), Pharmacy Consortium for Computer-aided Learning (PCCAL) Int., Bath, UK. Member, Society for Information Science, New Delhi, Controlled Release Society (CRS) Indian Chapter, Canadian Society of Pharmaceutical Sciences (CSPS), Alberta, Canada.
- Involved in socio-philanthropic activities. Secy. Gen., Mata Tripta Ji (C) Trust, a society providing free medi-care to poor. Voluntary blood donor; donated 27 times till date.