

# Faculty

School of Pharmacy  
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## Sunita Dahiya, Ph.D.

### Research Areas and Active Projects

Our research area deals with solubility issues complicating the delivery of active pharmaceutical ingredients with focus on providing solutions to the development challenges of “difficult to deliver” drugs. We design, characterize and develop various techniques to address the specific needs of a particular drug in order to recommend potential novel drug delivery systems which may exhibit highest market potential and cost effectiveness.

Specific research interests are:

- Bioavailability augmentation by solid state manipulation techniques.
- Inclusion complexation and their structure elucidation using sophisticated analytical techniques.
- Formulation development of ternary systems using parent cyclodextrin and/or their derivatives with auxiliary polymers.
- Double hydrophilization and co-complexation for enhancement of complexation efficiency and reduction of formulation bulk of solid oral dosage forms.
- Formulation development incorporating amorphous solid dispersions for poorly water soluble drugs for pediatric and geriatric population.
- *In vitro* characterization, preclinical studies and pharmacokinetic parameters of formulations.
- Drug release retardation of highly soluble drugs by employing single and combined hydrophilic and/or hydrophobic polymers.
- Development and optimization of various controlled release drug delivery systems such as matrix tablets, multiparticulate systems, polymeric dispersions, transdermal drug delivery systems.
- Lipid based drug delivery including self-emulsifying and self-microemulsifying drug delivery systems.
- Polymeric nanoparticles for highly problematic poor-soluble and poor-permeable drug candidates.

### Goal of the research work:

The research targets diverse technological development to deliver poorly soluble and other drugs to fulfill growing interest of the pharmaceutical industries in addressing key challenges. Also, in the coming years, new chemical entities are relied upon for a large share of the revenue within the

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pharmaceutical market by innovator companies; and similarly, generic drug manufacturers also need to employ economically efficient methods of delivery. The current demand of pharmaceutical market is not only to provide quality medicines, but also to maintain a competitive edge in this price-sensitive industry. In this context, research focus is toward patient-centric product design and innovative technologies for providing solutions in delivery of problematic drugs to meet challenges being faced by F&D and R&D for achieving enhanced regulatory, industrial and treatment outcomes.

## Publications

**Dahiya S.** (2017) Fundamentals of Solubility Enhancement Techniques: What do We Need to Consider? **Bull. Pharm. Res.** Vol. 7, No. 1, 138 (1-8).

**Dahiya S,** Banerjee DN. (2016) Complementary and Alternative Medicine: What is it Good for? **Bull. Pharm. Res.** Vol. 6, No. 3, pp. 83-92. [DOI: 10.21276/bpr.2016.6.3.2]

**Dahiya S.,** Kaushik A and Pathak K. (2015) 'Improved Pharmacokinetics of Aceclofenac Immediate Release Tablets Incorporating its Inclusion Complex with HP- $\beta$ -CD', **Sci. Pharm.**, Vol. 83, No. 3, pp. 501-10

**Dahiya S.** and Onker R. (2015) 'Influence of Polymethacrylates and Compritol on Release Profile of a Highly Water Soluble Drug – Metformin Hydrochloride', **Ars. Pharm.**, Vol. 56, No. 1, pp. 27-31.

**Dahiya S.** and Dahiya R. (2015) 'Class Room Seminar and Journal Club as an Effective Teaching Learning Tool: Perception to Post Graduation Pharmacy Students'. **J. Effect. Teach.**, Vol. 15, No.1, pp. 55-70.

**Dahiya S.** (2015) 'Constipation: A Pharmacist's View and Role', **Bull. Pharm. Res.**, Vol. 5, No. 1, pp. 35-41.

**Dahiya S.** and Tayde P. (2013) 'Binary and Ternary Solid Systems of Carvedilol with 2-Hydroxypropyl- $\beta$ -cyclodextrin and PVP K30', **Bull. Pharm. Res.**, Vol. 3, No. 3, pp. 128-34.

**Dahiya S.,** Asati S and Mallurwar V. (2011) 'Formulation and Evaluation of Granisetron Hydrochloride Orodispersible Tablets', **Bull. Pharm. Res.**, Vol. 1, No. 2, pp. 41-46.

**Dahiya S.** and Gupta ON. (2011) 'Formulation and In Vitro Evaluation of Metoprolol Tartrate Microspheres', **Bull. Pharm. Res.**, Vol. 1, No. 1, pp. 31-39.

Jain A., **Dahiya S.** and Pathak K. (2010) 'Development and characterization of piracetam-aerosil R 972 adsorbates for controlled delivery of highly water soluble drug', **Indian Drugs**, Vol. 47, No. 7, pp. 33-39.

**Dahiya S.** (2010) 'Studies on formulation development of a poorly water-soluble drug through solid dispersion technique', **Thai J. Pharm. Sci.**, Vol. 34, No. 2, pp. 77-87.

**Dahiya S.** and Kaushik A. (2010) 'Effect of water soluble carriers on dissolution enhancement of aceclofenac', **Asian J. Pharm.**, Vol. 4, No. 1, pp. 34-40.

**Dahiya S.** and Tyagi L. (2008) 'Preparation and evaluation of oxytetracycline hydrochloride microbeads for delayed release', **Pak. J. Pharm. Sci.**, Vol. 21, No. 2, pp. 103-108.

**Dahiya S.**, Pathak K. and Sharma R. (2008) 'Development of extended release coevaporates and coprecipitates of promethazine HCl with acrylic polymers: Formulation considerations', **Chem. Pharm. Bull. (Tokyo)**, Vol. 56, No. 4, pp. 504-508.

Pathak D., **Dahiya S.** and Pathak K. (2008) 'Solid dispersion of meloxicam: Factorially designed dosage form for geriatric population', **Acta Pharm.**, Vol. 58, No. 1, pp. 99-110.

**Dahiya S.** and Pathak K. (2007) 'Influence of amorphous cyclodextrin derivatives on aceclofenac release from directly compressible tablets', **Pharmazie**, Vol. 62, No. 4, pp. 278-283.

**Dahiya S.** and Pathak K. (2006) 'Physicochemical characterization and dissolution enhancement of aceclofenac-hydroxypropyl  $\beta$ -cyclodextrin binary systems', **PDA J. Pharm. Sci. Tech.**, Vol. 60, No. 6, pp. 378-388.

**Dahiya S.** and Pathak K. (2006) 'Dissolution enhancement of aceclofenac by  $\beta$ -cyclodextrin complexation', **J. Pharm. Res.**, Vol. 5, No. 4, pp. 99-103.

**Dahiya S.** (2006) 'Formulation and evaluation of release retardant matrix tablets of diclofenac sodium', **FABAD J. Pharm. Sci.**, Vol. 31, No. 3, pp. 119-126.

**Dahiya S.** (2006) 'Performance evaluation of marketed brands of sustained release diclofenac sodium tablets using statistical approaches', **Ethiop. Pharm. J.**, Vol. 24, No. 2, pp. 91-97.

**Bhatt S.**, Ramana M.V. and Pathak K. (2006) 'Fabrication and Evaluation of Polymeric Films for Transdermal Delivery of Metoprolol Tartarate', **Egypt. Pharm. J.**, Vol. 5, No. 1, pp. 19-28.

**Dahiya S.**, Dahiya R., Lodhi NK., Shrivastava SK., Soni L. (2012) 'Patient-Oriented Pharmacy Education and Redefining Role of Pharmacist: A Challenge to Educationists', **Bull. Pharm. Res.**, Vol. 2, No. 3, pp. 154-8.

**Dahiya S.**, Pathak K., Dahiya R. and Pathak D. (2007) 'Nanoparticle

engineering processes: Industrial technologies for delivery of poorly water soluble drugs', **Egypt. Pharm. J. (NRC)**, Vol. 6, No. 2, pp. 87-101.

Pathak K. and **Dahiya S.** (2007) 'Limulus amebocyte test: need for harmonization', **The Pharma Review**, Vol. 5, pp. 125-132.

Pathak K., **Dahiya S.**, Pathak D. and Dahiya R. (2006) 'Electrically Assisted Drug Delivery', **The Indian Pharmacist**, Vol. 5, pp. 27-30.

Dahiya R., Pathak D. and **Dahiya S.** (2006) 'Fever: An overview', **Pharma Times**, Vol. 38, No. 10, pp. 26-29.

Pathak D., Dahiya R., Pathak K. and **Dahiya S.** (2006) 'New Generation Antipsychotics: A Review', **Ind. J. Pharm. Educ. Res.**, Vol. 40, No. 2, pp. 77-83.

## Presentations

**Dahiya S.** (2015) 'Exploration of Solid Dispersion Technology for Controlled Drug Release: Capabilities and Challenges', 5<sup>th</sup> International Conference and Exhibition on 'Pharmaceutics and Novel Drug Delivery Systems' (Dubai, UAE), 16<sup>th</sup>-18<sup>th</sup> March.

**Dahiya S.** (2014) 'BCS: A Scientific and Regulatory Tool in Drug Development Process', 3<sup>rd</sup> **International Conference and Exhibition on 'Biowaivers, Biologics & Biosimilars'** (Hyderabad, India), 27<sup>th</sup>-29<sup>th</sup> October. (Proceeding published in *J. Bioanal. Med.* 2014;6(2):46)

**Dahiya S.** and Pathak K. (2013) 'Complexation and Characterization of a Phenylacetic Acid Derivative Non-Steroidal Anti-Inflammatory Drug with Cyclodextrin Derivative', 6<sup>th</sup> **International Congress of Chemistry and Environment ICCE-2013 (Belgium)**, 6<sup>th</sup>-8<sup>th</sup> July.

**Dahiya S.** and Gupta P. (2012) 'Formulation and Optimization of Clarithromycin Gastroretentive Tablets for the Treatment of *Helicobacter Pylori*', **National Conference on 'Comparative Analysis between Conventional & Current Research Trends in Pharmacy' (Bareilly)**, 16<sup>th</sup> Sep, Abstract No. – *OP-02*, p. 15.

**Dahiya S.** and Saraswat S. (2012) 'Preparation and Evaluation of Stavudine Microspheres', **SPER 1<sup>st</sup> Annual Conference on 'PharmaVision: Raising Awareness Towards Recent Advancement in Pharmaceutical Research (New Delhi)**, 23<sup>rd</sup> June, Abstract No. – *OP-02*, p. 2.

**Dahiya S.** and Bardiya N. (2011) 'Formulation and Evaluation of Lidocaine HCl Gel', **National Symposium on 'Current Challenges in Pharmaceutical Education and Research' (Bhopal)**, 29<sup>th</sup> Sep, Abstract No. – *OP-21*, p. 24.

**Dahiya S.** and Pushkar S. (2011) 'Formulation and Evaluation of Release Retardant Matrix Tablets of Diclofenac Sodium', **National Conference on 'Current Status and Ongoing Development in Pharmaceutical Research' (Bhopal)**, 13<sup>th</sup> June, Abstract No. – *OP-31*, p. 35.

**Dahiya S.** and Ramana MV. (2011) 'Fabrication and Evaluation of Polymeric Films for Transdermal Delivery of Metoprolol Tartrate', **National Seminar on 'Emerging Trends in Pharmaceutical Education' (Bhopal)**, 01<sup>st</sup>-03<sup>rd</sup> June, Abstract No. – *OP-12*, p. 19.

**Dahiya S.** and Kumar L. (2011) 'Toward Formulation and Physicochemical Characterization of Meloxicam Co-complexes', **5<sup>th</sup> International Congress of Chemistry and Environment (Malaysia)**, 27<sup>th</sup>-29<sup>th</sup> May, pp. 185-186.

**Dahiya S.** (2010) 'Formulation optimization of meloxicam solid dispersion: An environment friendly approach', **4<sup>th</sup> International Congress of Chemistry and Environment (Thailand)**, 21<sup>st</sup>-23<sup>rd</sup> Jan, Abstract published in Special Issue of '*Res. J. Chem. Environ.*', pp. 63-64

**Dahiya S.**, Singhai S. and Gupta P. (2009) 'Formulation and development of floating drug delivery system containing clarithromycin', National Seminar on "Current Pharmaceutical Developments" (**Bhopal**), 12<sup>th</sup> Sep, Abstract No. – *OP-09*, p. 23.

**Dahiya S.** and Dhakad BS. (2009) 'Formulation development and evaluation of gastroretentive floating microballons of salbutamol sulphate', National Seminar on "Current Pharmaceutical Developments" (**Bhopal**), 12<sup>th</sup> Sep, Abstract No. – *OP-14*, p. 28.

**Dahiya S.** and Patel SS. (2009) 'Formulation and evaluation of floating, pulsatile multiparticulate drug delivery system of aceclofenac', National Seminar on "Current Pharmaceutical Developments" (**Bhopal**), 12<sup>th</sup> Sep, Abstract No. – *OP-15*, p. 29.

Ramana M.V., **Bhatt S.**, Satyanarayana D. and Himaja M. (2001) 'Preparation and Evaluation of Transdermal Patches of Metoprolol Tartrate', **53<sup>rd</sup> Indian Pharmaceutical Congress (New Delhi)**, 21<sup>st</sup> - 23<sup>rd</sup> Dec, Abstract No. – *A15*, pp. 6-7.

**Dahiya S.** (2015) 'Herbal Polymers in Designing of Controlled Drug Delivery Systems', **3<sup>rd</sup> International Conference and Exhibition on 'Pharmacognosy, Phytochemistry & Natural Products'** (Hyderabad, India), 26<sup>th</sup>-28<sup>th</sup> October.

**Dahiya S.**, Tripathi M, Tiwari B. and Lodhi N.K. (2012) 'A Comparative Assessment of Solid Dispersion and Nanotechnology as Potential Bioavailability Enhancement Tools' **2<sup>nd</sup> International Symposium on Frontiers in Pharmaceutical Research and NanoTechnology (Chennai)**, 28<sup>th</sup>-29<sup>th</sup> Sep, Abstract No. – *2012NP083*.

Dahiya S. and **Sahu B.** (2012) 'Role of Mucoadhesive Material in Vaccination', **National Conference on 'Comparative Analysis between Conventional & Current Research Trends in Pharmacy' (Bareilly)**, 16<sup>th</sup> Sep, Abstract No. – *PP-20*, p. 48.

Kushwaha B.P., Tripathi M. and **Dahiya R.** (2012) 'Current FDA Guidance on BCS: What do we need to consider?' **National Conference on 'Comparative Analysis between Conventional & Current Research Trends in Pharmacy' (Bareilly)**, 16<sup>th</sup> Sep, Abstract No. – *PP-31*, p. 59.

Tiwari BK., **Dahiya S.** and Deshmukh V. (2012) 'Nanosuspensions: A Promising Drug Delivery Strategy', **National Seminar on 'Pharmacy & Pharmaceutical Sciences – Bench to Market' (Indore)**, 28<sup>th</sup> Apr, Abstract No. – 23, p. 31.

Mohabe V., **Dahiya S.** and Soni LK. (2012) 'Mesoporous Silica as a Diffusion Controlled Drug Delivery System', **National Seminar on 'Pharmacy & Pharmaceutical Sciences – Bench to Market' (Indore)**, 28<sup>th</sup> Apr, Abstract No. – 08, p. 16.

Tripathi M., **Dahiya S.** and Gour C. (2012) 'Ethosomes – A Novel Drug Delivery System', **National Seminar on 'Pharmacy & Pharmaceutical Sciences – Bench to Market' (Indore)**, 28<sup>th</sup> Apr, Abstract No. – 07, p. 15.

Kumar U., Mohabe V. and **Dahiya S.** (2012) 'Recent Advances in Oral Pulsatile Drug Delivery', **ICMR Sponsored National Seminar on 'Recent Trends in Herbal Drug Technology' (Jabalpur)**, 15<sup>th</sup> Apr, Abstract No. – *PY-038*, pp. 22-23.

Tripathi M., **Dahiya S.** and Kushwaha BP. (2012) 'Ultra Flexible Vesicles for Transdermal Delivery', **ICMR Sponsored National Seminar on 'Recent Trends in Herbal Drug Technology' (Jabalpur)**, 15<sup>th</sup> Apr, Abstract No. – *PY-002*, p. 8.

Saket SP., Tiwari BK. and **Dahiya S.** (2012) 'Orodispersible Tablets: New Fangled Drug Delivery Systems', **ICMR Sponsored National Seminar on 'Recent Trends in Herbal Drug Technology' (Jabalpur)**, 15<sup>th</sup> Apr, Abstract No. – *PY-033*, p. 20.

Thakur AS., Nagwanshi U. and **Dahiya S.** (2012) 'Microemulsions as Drug Delivery Systems', **ICMR Sponsored National Seminar on 'Recent Trends in Herbal Drug Technology' (Jabalpur)**, 15<sup>th</sup> Apr, Abstract No. – *PY-001*, p. 8.

Bunkar R., Mohabe V. and **Dahiya S.** (2012) 'Solid Dispersion: A Promising Approach for Solubility Enhancement', **APP 1<sup>st</sup> Annual National Convention on 'Quality Pharmaceutical Education and Research – Need of Hour' (Bhopal)**, 7<sup>th</sup> Apr, Abstract No. – *PT-74*, p. 74.

**Dahiya S.,** Gurjar V. and Raina P. (2012) 'Targeted Pharmaceutical Nanocarriers for Cancer Therapy and Imaging', **APP 1<sup>st</sup> Annual National Convention on 'Quality Pharmaceutical Education and Research – Need of Hour' (Bhopal)**, 7<sup>th</sup> Apr, Abstract No. – *PT-67*, p. 67.

**Dahiya S.,** Tripathi M. and Parashar M. (2012) 'Transdermal Drug Delivery System', **APP 1<sup>st</sup> Annual National Convention on 'Quality Pharmaceutical Education and Research – Need of Hour' (Bhopal)**, 7<sup>th</sup> Apr, Abstract No. – *PT-66*, p. 66.

Dahiya R., Thakur S. and **Dahiya S.** (2012) 'Nutraceuticals – The Ultimate Health Promoters', **APP 1<sup>st</sup> Annual National Convention on 'Quality Pharmaceutical Education and Research – Need of Hour' (Bhopal)**, 7<sup>th</sup> Apr, Abstract No. – *PT-21*, p. 21.

**Dahiya S.,** Sharma P. and Pandya A. (2011) 'Influence of double hydrophilization on complexation efficiency of cyclodextrins and formulation bulk of a BCS class II drug', **63<sup>rd</sup> Indian Pharmaceutical Congress (Bangalore)**, 16<sup>th</sup>-18<sup>th</sup> Dec, Abstract No. – *A-910*.

**Dahiya S.,** Dhakad B, Yadav A. and Kumar P. (2011) 'Formulation Development of Salbutamol Sulphate Floating Microballoons', **16<sup>th</sup> Annual National Convention of APTI (Moga)**, 7<sup>th</sup>-9<sup>th</sup> Oct, Abstract No. – *PT-100*.

**Dahiya S.,** Gupta O.N. and Saraswat S. (2010) 'Formulation Considerations of Stavudine Microspheres: Influence of Polymethacrylates as release Retardants', **15<sup>th</sup> Annual National Convention of APTI (Hyderabad)**, 1<sup>st</sup>-2<sup>nd</sup> Oct, Abstract No. – *A54*, p. 13.

**Dahiya S.** and Mohammad S.N. (2010) 'Design and Optimization of Meloxicam Suspension employing its Solid Dispersion', **International Conference on 'Drug Delivery - 2010' (Coimbatore)**, 29<sup>th</sup>-30<sup>th</sup> Jan, Abstract No. – *PP 324 A*, p. 73.

**Dahiya S.,** Mallurwar V., Asati S. and Chorey K. (2009) 'Granisetron hydrochloride orodispersible tablets: Evaluation of superdisintegrants and formulation considerations', **National Convention on 'Recent Advances in Pharmaceutical Sciences and Drug Discovery' (Nagpur)**, 22<sup>nd</sup>-23<sup>rd</sup> Nov, Abstract No. – *PH-A04*, pp. 1-2.

**Dahiya S.** and Zharbade O. (2009) 'Cosmeceuticals: Effective segments in skin care market', **National Conference on 'Recent Trends in Pharmaceutical Sciences' (Agra)**, 14<sup>th</sup>-15<sup>th</sup> Nov, Abstract No. - *PH-6*, p. 42.

**Dahiya S.,** Gupta O.N. and Chourey K. (2009) 'Metoprolol tartrate microspheres for sustained drug delivery: Effect of hydrophobic polymer and process variables', **Silver Jubilee Conference of IPGA-2009 (Moga)**, 7<sup>th</sup>-8<sup>th</sup> Nov, Abstract No. – *C8*, PT.



**Dahiya S.**, Dangi A. and Patel Z. (2009) 'Formulation considerations of zidovudine matrix tablets: Influence of hydrophilic polymers as release retardants', **14<sup>th</sup> APTI National Convention (Jodhpur)**, 3<sup>th</sup>-4<sup>th</sup> Oct, Abstract No. – A-160, p. SA45.

**Dahiya S.** and Shavadi N. (2009) 'Biopharmaceutics classification system in current FDA guidance: Potentials and limitations', National Seminar on "Current Pharmaceutical Developments" (**Bhopal**), 12<sup>th</sup> Sep, Abstract No. – PP-77, p. 119.

**Dahiya S.**, Bhati L. and Pathak K. (2008) 'Influence of double hydrophilization on physicochemical properties and formulation bulk of a BCS class II drug through co-complexation approach', **60<sup>th</sup> Indian Pharmaceutical Congress (New Delhi)**, 12<sup>th</sup>-14<sup>th</sup> Dec, Abstract No. – PH-520, p. 131.

**Dahiya S.**, Batra A. and Pathak K. (2008) 'Glibenclamide extended release solid dispersions with combined polymers: Characterization and formulation considerations', **13<sup>th</sup> APTI National Convention' (Bilaspur)**, 3<sup>th</sup>-4<sup>th</sup> Oct, Abstract No. – PC-25, p. 19.

**Dahiya S.**, Pathak K. and Mishra N. (2007) 'Binary and ternary solid dispersions of etoricoxib with PEG 4000 and Gelucire 44/14 as surface-active carriers', **59<sup>th</sup> Indian Pharmaceutical Congress (Varanasi)**, 20<sup>th</sup>-23<sup>th</sup> Dec, Abstract No. – A-272, p. 70.

**Dahiya S.**, Pathak K. and Mishra N. (2007) 'Investigations on etoricoxib-polyglycolized glyceride solid dispersions with Aerosil 200 and Sterotex K', **APTI 12<sup>th</sup> Annual National Convention (Chandigarh)**, 25<sup>th</sup>-27<sup>th</sup> Oct, Abstract No. – B<sub>8</sub>, 2 B PT, p. 8.

**Dahiya S.**, Pathak K. and Sharma R. (2007) 'Extended release coevaporates and coprecipitates of promethazine hydrochloride with methacrylate copolymers: Formulation considerations', **APTI 12<sup>th</sup> Annual National Convention (Chandigarh)**, 25<sup>th</sup>-27<sup>th</sup> Oct, Abstract No. – B<sub>9</sub>, 2 B PT, p. 8.

Jain A., **Dahiya S.** and Pathak K. (2007) 'Preparation and evaluation of silica gel based multiparticulate modulated delivery of piracetam', **IPGA National Seminar on 'Recent Trends in Pharmaceutical Education and Research' (Sirsa)**, 29<sup>th</sup>-30<sup>th</sup> Sep, Abstract No. – RTPER 006, p. 16.

**Dahiya S.**, Pathak K., Singh M. and Virmani T. (2006) 'Preparation and evaluation of aceclofenac binary systems with  $\beta$ -cyclodextrin and PEG 6000', **58<sup>th</sup> Indian Pharmaceutical Conference (Mumbai)**, 1<sup>st</sup> - 3<sup>rd</sup> Dec, Abstract No. – AP143, p. 138.

**Dahiya S.**, Pathak K. and Pushkar S. (2006) 'Performance evaluation of some marketed brands of Diclofenac sodium SR tablets using statistical approaches', **APTI - 11<sup>th</sup> Annual National Convention (Bangalore)**, 1<sup>st</sup> - 3<sup>rd</sup> Sep, Abstract No. – PT116, p. 189.



**Dahiya S., Pathak K. and Pathak D. (2006)** 'Influence of water-soluble carriers on dissolution characteristics of meloxicam solid-dispersions', **APTI - 11<sup>th</sup> Annual National Convention (Bangalore)**, 1<sup>st</sup> - 3<sup>rd</sup> Sep, Abstract No. – *PT129*, p. 191.

**Dahiya S. and Pathak K. (2006)** 'Design and optimization of multicomponent pseudosolid dispersions of meloxicam', **CSPS 9<sup>th</sup> Annual International Symposium: Current Scientific Regulatory Challenges in Drug Development & Safety (Canada)**, 24<sup>th</sup> - 27<sup>th</sup> May, *Poster 12*, p. 41.

**Dahiya S., Pathak K., Dahiya R. and Pathak D. (2006)** 'Patient-oriented pharmacy education in community health promotion', **II National Convention of Pharmacy Educators (Coimbatore)**, 4<sup>th</sup> - 5<sup>th</sup> Mar, Abstract No. – *P4, A2*.

**Dahiya S. and Kumar R. (2006)** 'Pharmacist: An integral part of health care system', **National Symposium "Pharmavision 2006" (Bhopal)**, 1<sup>st</sup> - 3<sup>rd</sup> Mar, Abstract No. – *PP-1*, p. 1.

**Dahiya S. and Pathak K. (2006)** 'Dissolution enhancement of diclofenac sodium using solid dispersion technique', **National Symposium "Pharmavision 2006" (Bhopal)**, 1<sup>st</sup> - 3<sup>rd</sup> Mar, Abstract No. – *OP-11 (oral)*, p. 11.

**Dahiya S., Pathak K. and Dahiya R. (2006)** 'Biopharmaceutics classification system: A scientific and regulatory tool in drug development process', **10<sup>th</sup> International Conference on 'Drug Discovery: Perspectives and Challenges' (Lucknow)**, 24<sup>th</sup> - 26<sup>th</sup> Feb, *Poster-3*, pp. 68-69.

**Dahiya S., Pathak K., Dahiya R., Singh A., Nandini D. and Ajeet (2006)** 'Pro-drugs: An approach to improve biopharmaceutical and pharmacokinetic complication', **10<sup>th</sup> International Conference on 'Drug Discovery: Perspectives and Challenges' (Lucknow)**, 24<sup>th</sup> - 26<sup>th</sup> Feb, *Poster-11*, p. 76.

**Dahiya S., Pathak K., Dahiya R. and Tyagi L. (2006)** 'Nanotechnology and its clinical applications', **2<sup>nd</sup> International Symposium on Drug Discovery and Process Research (Belgaum)**, 10<sup>th</sup> - 12<sup>th</sup> Feb, Abstract No. – *[54-86]*, pp. 66-67.

**Dahiya S., Pathak K., Dahiya R., Dubey R. and Kumar M. (2006)** 'Mosquito-borne diseases at a glance', **International Conference on Urban Health Initiative (Surat)**, 9<sup>th</sup> -11<sup>th</sup> Feb, Abstract No. – *39*, pp. 55-56.

**Dahiya S. and Pathak K. (2005)** 'Design and formulation of fast dissolve tablets of pantoprazole', **10<sup>th</sup> APTI National Convention (Nagpur)**, 17<sup>th</sup> - 18<sup>th</sup> Oct, Abstract No. – *PH-40*, p. 32.