

Research Projects:

Ongoing Projects from Government Funding Agencies			
Grant agency	Title of the project	Duration/ status	Amount (INR)
Dept. of Science and Technology (DST), Govt. of India	Centre for Pharmaceutical Nanotechnology	August 2006 (5 years) (Joined as PI in July 2008)	956 Lakhs
Dept. of Biotechnology (DBT), Govt. of India under Nanotechnology Programme	Development of smart nanocarriers for oral vaccine delivery	April 2010 (Five years)	25.21 Lakhs
Dept. of Science and Technology (DST)-SYSP programme	Design of polyelectrolyte coated multilayered liposomes (stable liposomes) for oral insulin delivery	April 2010 (Three years)	19.96 Lakhs
Indian Council of Medical Research (ICMR) under Nanomedicine program	Development and Characterization of functionalized carbon nanotubes for tumor drug targeting and therapy	November 2010 (Three years)	49.884 Lakhs
Completed Industrial Consultancy Projects			
AD Pharma Pvt. Ltd., Hyderabad (AP)	In vitro skin permeation study of some formulations using Franz Diffusion Cell	December 2008	2.5 Lakhs
Himalaya Drug Company, Bangalore (KA)	Feasibility studies for development of a nano formulation of herbal drugs	April 2009	0.5 Lakh
GlaxoSmithKline (GSK) Consumer Health Care Ltd, Gurgaon (HRY)	In vitro skin permeation study of some topical anti-inflammatory formulations using Franz Diffusion Cell	August 2009	3.75 Lakhs

Publications/ Presentations:

LIST OF PUBLICATIONS (Dr. Sanyog Jain)

International Journals

1. **Sanyog Jain**, Kailas Khomane, Amit K. Jain, Prateek Dani, Nanocarriers for transmucosal vaccine delivery. **Curr. Nanosci.** 2010 (*In Press*). **(1.472)**
2. Amit K. Jain, Manasmita Das, Nitin K. Swarnakar, **Sanyog Jain**, Engineered PLGA nanoparticles: An emerging delivery tool in cancer therapeutics. **CRC Critical Reviews in Therapeutic Drug Carrier Systems.** 2010 (*In Press*). **(3.308)**
3. Amit K Jain, Nitin K. Swarnakar, Chandraiah Godugu, Raman Preet Singh, **Sanyog Jain**, The effect of the oral administration of polymeric nanoparticles on the efficacy and toxicity of tamoxifen. **Biomaterials**, 32, 2011: 503-515. **(7.365)**
4. Vivek S. Thakare, Manasmita Das, Amit K Jain, Swapnil Patil, **Sanyog Jain**, Carbon nanotubes in Cancer Theragnosis. **Nanomedicine (Lond.)**, 5(8), 2010: 1277-1301. **(5.982)**
5. Awesh K. Yadav, Abhinav Agrawal, **Sanyog Jain**, Anil K. Mishra, Hemant Bid, Gopal Rai, Himanshu Agrawal, G. P. Agrawal, Chondroitin Sulphate Decorated Nanoparticulate Carriers of 5-Fluorouracil: Development and *In Vitro* Characterization. **J. Biomed. Nanotech.**, 6, 2010: 1-11. **(1.588)**
6. Awesh K. Yadav, Abhinav Agrawal, Gopal Rai, P. Mishra, **Sanyog Jain**, Anil K. Mishra, Himanshu Agrawal, G.P. Agrawal, Development and characterization of hyaluronic acid decorated PLGA nanoparticles for delivery of 5-fluorouracil. **Drug Deliv.** 17(8), 2010: 561-572. **(1.913)**
7. **Sanyog Jain**, Ankit Mittal, Amit K Jain, Rahul R Mahajan, Dinesh Singh, Cyclosporin-A loaded PLGA nanoparticles: preparation, optimization, *in-vitro* characterization and stability studies. **Curr. Nanosci.** 6(4), 2010: 422-431. **(1.472)**
8. Himanshu Gupta, T. Velpandian, **Sanyog Jain**, Ion- and pH- activated novel in-situ gel system for sustained ocular drug delivery. **J. Drug Target.**, 18(7), 2010: 499-505. **(2.885)**
9. K.K Upadhyay, A. N Bhatt, A.K Mishra, B. S. Dwarakanath, **Sanyog Jain**, C. Schatz, J.-F. Le Meins, A. Farooque, G. Chandraiah, A. K. Jain, A. Misra, S. Lecommandoux, Doxorubicin loaded poly(γ -benzyl L-glutamate)-*b*-hyaluronan polymersomes: Enhanced intracellular drug delivery and anti tumor activity in animals. **Biomaterials**, 31(10), 2010: 2882-2892. **(7.365)**
10. **Sanyog Jain**, Prateek Dani, R. K. Sharma, Pharmacoscintigraphy: A blazing trail for evaluation of new drugs/delivery systems. **CRC Critical Reviews in Therapeutic Drug Carrier Systems**, 26(4), 2009: 373-426. **(3.308)**
11. Atul Pathak, A. Swami, S. Patnaik, **Sanyog Jain**, Krishna Chutani, A.K. Mishra, S.P. Vyas, P. Kumar, K.C. Gupta, Efficient tumor targeting by polysaccharide decked polyethylenimine based nanocomposites. **J. Biomed. Nanotech.**, 5(3), 2009: 264-277. **(1.588)**
12. Atul Pathak, Pradeep Kumar, Krishna Chutani, **Sanyog Jain**, A.K. Mishra, S.P. Vyas, K.C. Gupta, Gene expression, biodistribution and pharmacoscintigraphic evaluation of chondroitin sulphate-PEI nanostructures mediated tumor gene therapy. **ACS Nano**, 3(6), 2009: 1493-1505. **(7.493)**
13. Himanshu Gupta, A. Bhatnagar, Gaurav Mittal, A. Malik, **Sanyog Jain**, Development and characterization of ^{99m}Tc -timolol maleate for evaluating efficacy of in situ ocular drug delivery system. **AAPS Pharm. Sci. Tech.** 10 (2), 2009: 540-546. **(1.19)**
14. Javed Qureshi, Alka Ahuja, Sanjula Baboota, Krishna Chutani, **Sanyog Jain**, Javed Ali, Development and evaluation of time specific pulsatile release tablet of aceclofenac: A solution for morning pain in rheumatoid arthritis, **Method. Find. Exp. Clin. Pharmacol.**, 31(1), 2009:15-23. **(1.136)**
15. Parul Jain, **Sanyog Jain**, K.N. Prasad, S.K. Jain, S.P. Vyas, Polyelectrolytes coated multilayered liposomes for the treatment of *H. pylori* infection. **Mol. Pharm.** 6(2), 2009: 593-603. **(5.408)**

16. A. K. Yadav, Pradeep Mishra, **Sanyog Jain**, Pushpa Mishra, A. K. Mishra, G. P. Agrawal, Preparation and characterization of HA-PEG-PCL intelligent core-corona nanoparticles for delivery of doxorubicin. **J. Drug Target.** 16(6), 2008: 464-478. **(2.885)**
17. Minakshi Garg, B.R. Garg, **Sanyog Jain**, Pushpa Mishra, R.K. Sharma, A.K. Mishra, T. Dutta, N.K. Jain, Radiolabeling, Pharmacoscintigraphic Evaluation and Antiretroviral Efficacy of Stavudine Loaded ^{99m}Tc Labeled Galactosylated Liposomes. **Eur. J. Pharm. Sci.** 33(3), 2008: 271-281. **(3.608)**
18. A. K. Yadav, Pradeep Mishra, A.K. Mishra, Pushpa Mishra, **Sanyog Jain**, G.P. Agrawal, Development and characterization of hyaluronic acid- anchored PLGA nanoparticulate carriers of doxorubicin. **Nanomedicine: NBM**, 3(4), 2007: 246-57. **(5.440)**
19. Himanshu Gupta, **Sanyog Jain**, Rashi Mathur, Pushpa Mishra, A. K. Mishra, T. Velpandian, Sustained ocular drug delivery from a temperature and pH triggered novel in-situ gel system, **Drug Delivery**, 14(8), 2007: 507-515. **(1.913)**
20. H.B. Agashe, A.K. Babbar, **Sanyog Jain**, R.K. Sharma, A.K. Mishra, A. Asthana, M. Garg, T. Dutta, N.K. Jain, Investigations on biodistribution of Technetium-99m-labeled carbohydrate coated poly(propylene imine) dendrimers. **Nanomedicine: NBM**, 3(2), 2007:120-127. **(5.440)**
21. S.P. Vyas, V. Sihorkar, **Sanyog Jain**, Mannosylated liposomes for bio-film targeting. **Int. J. Pharm.** 330(1-2), 2007: 6-13. **(2.962)**
22. **Sanyog Jain**, S.P. Vyas, Mannosylated niosomes as adjuvant-carrier system for oral mucosal immunization. **J. Liposome Research** 16, 2006: 331-345. **(1.792)**
23. S.P. Vyas, Rasika Subhedar, **Sanyog Jain**, Development and characterization of emulsomes based system for sustained and targeted delivery of an antiviral agent to liver. **J. Pharm. Pharmacol.** 58(3), 2006: 321-326. **(1.742)**
24. **Sanyog Jain**, R.K. Sharma, S.P. Vyas, Chitosan nanoparticles encapsulated vesicular systems for oral immunization: Preparation, in vitro and in vivo characterization, **J. Pharm. Pharmacol.** 58(3), 2006: 303-310. **(1.742)**
25. **Sanyog Jain**, Paramjit Singh, Vivek Mishra, S.P. Vyas, Mannosylated niosomes as adjuvant-carrier system for oral genetic immunization against hepatitis B. **Immunol. Lett.**, 101, 2005: 41-49. **(2.906)**
26. **Sanyog Jain**, S. P. Vyas, Mannosylated niosomes as carrier-adjuvant system for topical immunization. **J. Pharm. Pharmacol.**, 57(9), 2005: 1177-1184. **(1.742)**
27. S.P. Vyas, R.P. Singh, **Sanyog Jain**, Vivek Mishra, Sunil Mahor, Paramjit Singh, P.N. Gupta, A. Rawat, P. Dubey. Non-ionic surfactant based vesicles (niosomes) for non-invasive topical genetic immunization against hepatitis B. **Int. J. Pharm.**, 296(1-2), 2005: 80-86. **(2.962)**
28. P.N. Gupta, V. Mishra, A. Rawat, P.K. Dubey, S. Mahor, **Sanyog Jain**, D.P. Chatterji, S.P. Vyas, Non-invasive vaccine delivery in transfersomes, niosomes and liposomes: a comparative study. **Int. J. Pharm.**, 293(1-2), 2005: 73-82. **(2.962)**
29. Praveen K. Dubey, Vivek Mishra, **Sanyog Jain**, Sunil Mahor, S.P. Vyas, Liposomes modified with cyclic RGD-peptide for tumor targeting, **J. Drug Target.**, 12(5), 2004: 257-64. **(2.885)**
30. Paramjit Singh, Prabakaran D., **Sanyog Jain**, Vivek Mishra, Jaganathan, K.S., S.P. Vyas, Cholera toxin B subunit conjugated bile salt stabilized vesicles (bilosomes) for oral immunization, **Int. J. Pharm.**, 278(2), 2004: 379-390. **(2.962)**
31. S.P. Vyas, M.E. Kannan, **Sanyog Jain**, Vivek Mishra, Paramjit Singh, Design of liposomal aerosols for improved delivery of rifampicin to alveolar macrophages, **Int. J. Pharm.**, 269 (1), 2004: 37-49. **(2.962)**
32. **Sanyog Jain**, Vivek Mishra, Paramjit Singh, P.K. Dubey, D.K. Saraf, S.P. Vyas, RGD-Anchored magnetic liposomes for monocytes/neutrophils mediated brain targeting. **Int. J. Pharm.**, 261 (1-2), 2003: 43-55. **(2.962)**
33. P. Venugopalan, **S. Jain**, S. Sankar, P. Singh, A. Rawat, S.P. Vyas, pH-sensitive liposomes: Mechanism of triggered release to drug and gene delivery prospects. **Die Pharmazie**, 56(10), 2002: 659-671. **(0.81)**

National Journals

1. Vivek S. Thakare, Mahesh Katariya, Vishal Rathi, Omesh Bhushinge, Rahul Mahajan, Dinesh Chauhan, **Sanyog Jain**, Nanotechnology: Current Pharmaceutical Perspectives, **Pharma Buzz**, 2010 (*In press*).
2. Vivek S. Thakare, Chandraiah Godugu, Rahul Mahajan, Dinesh Chauhan, **Sanyog Jain**, Functionalized carbon nanotubes: Novel drug delivery cargos, **Curr. Res. Info. Pharm. Sci.**, 10 (3), 2009: 42-47.
3. Prem N. Gupta, P. Singh, V. Mishra, **Sanyog Jain**, P.K. Dubey, S.P. Vyas, Topical Immunization: Mechanistic Insight and Novel Delivery Strategies, **Ind. J. Biotech.**, 3, 2004: 9-21.
4. **Sanyog Jain**, Sandeep Jain, Paramjit Singh, S.P. Vyas, New colorimetric method for estimation of magnetite in drug carrier systems. **The Indian Pharmacist**, 1(2), 2002: 74-76.
5. Sandeep Jain, Neelam Jain, **Sanyog Jain**, Pradeep Mishra, A new sensitive colorimetric method for the estimation of norfloxacin in tablets. **The Indian Pharmacist**, 1(2), 2002: 77-79.

Book Chapters

1. **Sanyog Jain**, Sandeep Kailey, Manasmita Das. Nanocarriers as non-viral vectors for gene delivery. In: S. K. Singh, V.D. Pandey, A.R. Ghosh (Eds.), **Nanotechnology in Biology and Medicine**, CBS Publishers, 2010 (*In Press*).
2. **Sanyog Jain**, Amit K Jain, Vivek S Thakare. Carbon Nanotubes in Drug Delivery. In: S.P. Vyas, R.S.R. Murthy, R.K. Narang (Eds.), **Nano-Colloidal Carriers: Site Specific and Controlled Drug Delivery**, CBS Publishers and Distributors, 2010, pp. 219-251 (*Chapter 11*).
3. Sushama Talegaonkar, Omesh Bhushinge, **Sanyog Jain**. Self Nanoemulsifying system for enhanced lymphatic uptake: An approach to increase oral bioavailability, In: S.P. Vyas R.S.R. Murthy, R.K. Narang (Eds.), **Nano-Colloidal Carriers: Site Specific and Controlled Drug Delivery**, CBS Publishers and Distributors, 2010, pp.320-364 (*Chapter 14*).
4. Sushama Talegaonkar, Zeenat Iqbal, Farhan J. Ahmad, Tripta Bansal, **Sanyog Jain**. Nanoemulsion as tool for brain targeting via intranasal route, In: S.P. Vyas R.S.R. Murthy, R.K. Narang (Eds.), **Nano-Colloidal Carriers: Site Specific and Controlled Drug Delivery**, CBS Publishers and Distributors, 2010, pp.512-552 (*Chapter 20*).

Invited Talks in Conferences/Workshops/Seminars/Symposia

1. PLGA: A versatile polymer for efficient delivery of bioactives, National Conference on Polymer Science and Engineering; Emerging Dimensions (PSE-2010), Panjab University, Chandigarh, 26-27 November, 2010.
2. Design of smart nano-carriers for drug delivery, a guest lecture delivered at Centre for NanoBiotechnology Research (CNBR), Alabama States University, Montgomery Alabama, USA, 18 November, 2010.
3. Nanotechnology in healthcare, Short Term Training Course on Nanotechnology: Opportunities and Challenges, National Institute of Technical Teachers Training & Research, Chandigarh, 11 November, 2010.
4. Design and development of smart nanocarriers as targeted nanomedicine and for drug delivery, 3rd Summer School on Nanotechnology in Advanced Drug Delivery, NIPER, SAS Nagar (Punjab) India, 23-27 August, 2010.

5. Biomedical Applications of Nanotechnology, Faculty Development Program on Advances in Pharmaceutical Sciences, Rayat & Bahra Institute of Pharmacy, Sahauran, Mohali (Punjab), 19-21 July, 2010.
6. Nanomedicines: A complete drug delivery solution, NIPER-NUS Pharmacy Mini Symposium, NIPER, SAS Nagar (Punjab), 26 February, 2010.
7. Design and development of smart nanocarriers for drug delivery, 3rd Winter School on Nanotechnology in Advanced Drug Delivery, NIPER, SAS Nagar (Punjab) India, 8-12 Feb, 2010.
8. Nanotechnology and Drug Delivery, International Conference on Drug Delivery- ICODD 2010, PSG College of Pharmacy, Coimbatore (TN), 29-30 January, 2010.
9. Emerging Trends in Nanomedicines, UGC sponsored Winter School on Emerging Areas in Pharmaceutical Sciences, Panjab University, Chandigarh, 11-16 January, 2010.
10. Nanotechnology and Nanomedicines: Challenges and Opportunities, International Conference on Integrative and Personalized Medicine and 42nd Annual Conference of Indian Pharmacological Society (IPSCON-2009), Kolkata (WB) India, 10-12 December 2009.
11. Nanotechnology, Nanomedicines and Drug Delivery, a guest lecture delivered at College of Pharmacy and Health Sciences, Mercer University, Atlanta, Georgia, USA, 6 November, 2009.
12. Emerging trends in nanotechnology and drug delivery, a guest lecture delivered at Centre for NanoBiotechnology Research (CNBR), Alabama States University, Montgomery Alabama, USA, 3 November, 2009.
13. Emerging Role of Nanotechnology and Nanomedicines in Drug Delivery, 14th Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON-2009), Lachoo Memorial College of Science and Technology, Pharmacy Wing, Jodhpur (Rajsthan), India, October 3-4, 2009 (Delivered Prof. G.P. Shrivastava Memorial Lecture).
14. Emerging trends in nanomedicines, One Day Seminar on Nanomedicines organized by IPA State Branch (Chhatisgarh), Pt. Ravi Shankar Shukla University, Raipur (CG), India, 19 September, 2009.
15. Current and future trends in nanomedicines, 2nd Summer School on Nanotechnology in Advanced Drug Delivery, NIPER, SAS Nagar (Punjab) India, 10-14 August, 2009.
16. Nanotechnology in healthcare, Short Term Training Course on Nanotechnology: Opportunities and Challenges, National Institute of Technical Teachers Training & Research, Chandigarh, May 04-08, 2009.
17. Nanotechnology in oral and topical immunization, RCH-PHARMAMED 2009 National Conference on Recent Advances Reproductive and Child Health: A Confluence of
18. Traditional Medicine and Novel Pharmaceutical Techniques, Jamia Hamdard, New Delhi, 17-18 April, 2009.
19. Nanomedicines: Future therapeutic agents, National Seminar on Frontiers in Nanotechnology: A Pharmaceutical Perspective, Nirma University, Ahmedabad (Gujarat) India, 20 March 2009.
20. Nanomedicines: A nanoway to treat ailments, 2nd Winter School on Nanotechnology in Advanced Drug Delivery, NIPER, SAS Nagar (Punjab) India, 24-28 February, 2009.
21. Novel nano colloidal carrier systems for targeted drug and vaccine delivery, National Conference on Nanomaterials: Synthesis and Applications, Jalandhar (Punjab) India, 06-07 February, 2009.
22. Novel nano colloidal carrier systems for controlled and targeted drug delivery, Faculty Development Program, Rayat Bahra Institute of Pharmacy, Ropar (Punjab), 25 January , 2009.

23. Design of polyelectrolyte coated multilayered liposomes (stable liposomes) for oral vaccine delivery, Indo-French workshop on Nanotechnology for Biomedical Applications, Paris (France), 13-14 Nov 2008.

Papers/ Abstracts Presented/ Published In Conferences/ Seminars/ Symposia

1. Vishal V. Rathi, Amit K. Jain, Godugu Chandraiah, Sanyog Jain, Engineered PLGA Nanoparticles for Oral Insulin Delivery, 8th Meeting of Globalization of Pharmaceutics Education Network (GPEN) GPEN-2010, UNC Eshelman School of Pharmacy, Chapel Hill, North Carolina, USA, November 10-12, 2010
2. Vivek S. Thakare, Godugu Chandraiah, Amit K. Jain, Sanyog Jain, Functionalization dependent nanotoxicology and characterization of novel carbon based excipients, 2010 AAPS Annual Meeting and Exposition, New Orleans, LA, USA, November 14-18, 2010.
3. Vivek S. Thakare, Sanyog Jain, Functionalized carbon nanotubes for tumor drug targeting and therapy: PEGylation, drug loading and in vitro studies, 10th International Symposium of Controlled Release Society (CRS) Indian Chapter on Advances in Technology and Business Potential of New Drug Delivery Systems, Mumbai, 17-18 February 2010.
4. Amit K. Jain, G. Chandraiah, Nitin K. Swarnakar, Sanyog Jain, Efficacy and toxicity evaluation of orally administered doxorubicin loaded PLGA nanoparticles. 10th International Symposium of Controlled Release Society (CRS) Indian Chapter on Advances in Technology and Business Potential of New Drug Delivery Systems, Mumbai, 17-18 February 2010. (WON 3rd BEST POSTER AWARD).
5. Vivek S. Thakare, Sanyog Jain, Development and characterization of functionalized carbon nanotubes for cancer therapy, 3rd Winter School on Nanotechnology in Advanced Drug Delivery, NIPER, SAS Nagar (Punjab) India, 8-12 Feb, 2010. (WON BUDDING NANOTECHNOLOGIST AWARD).
6. Amit K. Jain, G. Chandraiah, Sanyog Jain, Orally administered tamoxifen loaded PLGA nanoparticles: In-vivo efficacy and toxicity evaluation, 3rd Winter School on Nanotechnology in Advanced Drug Delivery, NIPER, SAS Nagar (Punjab) India, 8-12 Feb, 2010.
7. Sanyog Jain, G. Chandraiah, Amit K. Jain, Orally administered polymeric nanoparticles enhance efficacy and reduce toxicity of anticancer drugs. Bio Asia 2010, Hyderabad (AP) India, 03-06 February, 2010. (nominated for YSR innovation award- 2010)
8. Ankit Mittal, Sanyog Jain, Preparation and characterization of cyclosporin loaded PLGA nanoparticles. National Conference on Nanomaterials: Synthesis and Applications, Jalandhar (Punjab) India, 06-07 February, 2009.
9. Meghal Mistry, Sanyog Jain, Preparation and Characterization of Acyclovir loaded solid lipid nanoparticles. National Conference on Nanomaterials: Synthesis and Applications, Jalandhar (Punjab) India, 06-07 February, 2009.
10. Amit K. Jain, Sanyog Jain, N.K. Jain, Galactosylated Multiwalled Carbon Nanotubes: Development and Characterization, National Conference on Nanomaterials: Synthesis and

Applications, Jalandhar (Punjab) India, 06-07 February, 2009. (WON S.S. BHATNAGAR CHEMICAL SOCIETY BEST POSTER AWARD).

11. Himanshu Gupta, Aqil Malik, R.K. Khar, Asgar Ali, Sanyog Jain, Pushpa Mishra, Anil K. Mishra, T. Velpandian, Physiologically activated novel in-situ gel system for sustained ocular drug delivery. 60th Indian Pharmaceutical Congress, New Delhi, 12-14 December, 2008.
12. Rashi Mathur, R.P. Chauhan, Sanyog Jain, Anil K. Mishra, Magnetite nanoparticles as potential marker for imaging and targeted delivery. Special Symposium on Advanced MR applications and 14th Annual Conference of National Magnetic Resonance Society, Delhi, 16-19 Jan, 2008.
13. Sanyog Jain, Rashi Mathur, Pushpa Mishra, Anil K. Mishra, Radiolabeling and biological evaluation of HSA-methotrexate conjugate for targeted tumor imaging and therapy. 39th Annual Conference of the Society of Nuclear Medicine, India, Lucknow, 05-09 December, 2007.
14. Sanyog Jain, Rashi Mathur, Pardeep Punia, Pushpa Mishra, Anil K. Mishra, Folic Acid Coupled Stealth Nanoparticles For Tumor Targeting, 39th Annual Conference of the Society of Nuclear Medicine, India, Lucknow, 05-09 December, 2007.
15. Himanshu Gupta, Pushpa Mishra, A.K. Mishra, T. Velpandian, Sanyog Jain, Chitosan based novel hydrogel system for sustained ocular drug delivery, 58th Indian Pharmaceutical Congress, Mumbai, 1-3 December, 2006
16. Sanyog Jain, Pushpa Mishra, A.K. Mishra, Radiolabelling and biological evaluation of dextran methotrexate conjugate for targeted tumor therapy, 58th Indian Pharmaceutical Congress, Mumbai, 1-3 December, 2006
17. Pushpa Mishra, Sanyog Jain, Sangeeta Rajvanshi, Nitin Kumar, A.K. Mishra, Radiolabelling and scintigraphic evaluation of Tc-99m labeled glutamic acid and its DTPA conjugate for brain/bone imaging, 38th Annual Conference of the Society of Nuclear Medicine, India, Jamshedpur, 13-16 December, 2006.
18. Sanyog Jain, Rashi Mathur, Pushpa Mishra, Anil K. Mishra, Radiolabeling and biological evaluation of dextran-folate conjugate for tumor scintigraphy, 6th Annual Symposium on Frontiers in Biomedical Research, Delhi, 30 November-02 December, 2006.
19. Sanyog Jain, A.K. Mishra, R.K. Sharma, S.P. Vyas, Non-invasive topical genetic vaccine against hepatitis B using mannosylated niosomes, Alexander von Humboldt Stiftung, Germany sponsored Kolleg on "Bio-Nano-Geo-Sciences: Addressing issues of concern to mankind" Palampur (H.P.), 24-26 March 2006 (WON BEST ORAL PRESENTATION AWARD).
20. Sanyog Jain, R.K. Sharma, S.P. Vyas, Mannosylated niosomes for non-invasive topical genetic vaccination against hepatitis B, 38th Annual Conference of Indian Pharmacological Society, Chennai, 28-30 December, 2005.
21. A.K. Babbar, H.B. Agashe, Sanyog Jain, N.K. Jain, R.K. Sharma, Evaluation of carbohydrate coated poly propylene (imine) dendrimers as potential drug carrier(s): pharmacoscintigraphic studies with Tc-99m labeled system, 37th Annual Conference of the Society of Nuclear Medicine, India, Calicut, 8-11 December, 2005.

22. Sanyog Jain, S.P. Vyas, Non-ionic surfactant based vesicles (niosomes) for oral immunization, National Symposium on Futuristic Trends in Pharmacotherapeutics and Formulation Development, Varanasi, 4-5 March, 2005.
23. Sanyog Jain, Polysaccharide coated niosomes for oral mucosal immunization, 8th Punjab Science Congress, Patiala, 7-9 February, 2005. (WON PUNJAB STATE YOUNG SCIENTIST AWARD).
24. Sanyog Jain, Mannosylated niosomes as adjuvant-carrier system for oral genetic immunization against hepatitis B, 19th M.P. Young Scientist Congress, Sagar, 12-13 April 2004.
25. Sanyog Jain, S.P. Vyas, Development and characterization of niosomes for oral immunization, 55th Indian Pharmaceutical Congress, Chennai, 19-21 December, 2003.
26. Sanyog Jain, M.E. Kannan, S.P. Vyas, Development of rifampicin-loaded liposomal aerosol for alveolar macrophages targeting. 54th Indian Pharmaceutical Congress, Pune, 13-15 December, 2002.
27. Sanyog Jain, S.P. Vyas, Development and characterization of magnetic liposomes for monocytes/neutrophils mediated brain targeting. 53rd Indian Pharmaceutical Congress, New Delhi, 21-23 December, 2001.

Awards and honor:

- DST International Travel Award for attending and presenting the poster at 2010 AAPS Annual Meeting and Exposition, New Orleans, LA, USA during November 14-18, 2010.
- OPPI Young Scientist Award 2009 in the field of Pharmaceutics (Novel & Improved Drug Delivery Systems)
- Punjab State Young Scientist Award 2005.
- IDMA G.P. Nair Award 1998 for securing 1st Position in B.Pharm. in the university merit list.
- Best Oral Presentation award at Alexander von Humboldt Stiftung, Germany sponsored Kolleg on "Bio-Nano-Geo-Sciences: Addressing issues of concern to mankind" held at Palampur (H.P.) during 24-26 March 2006.
- Lead Guest Editor of special issue on Nanotechnology in Advance Drug Delivery of the Journal of Drug Delivery
- Invited member of the editorial board of the international journal "Recent Patents on Drug Delivery and Formulation" (Publishers: Bentham Science)
- Nominated as expert member for drafting the monographs on Radiopharmaceuticals for Indian Pharmacopoeia
- Invited manuscript reviewer for some international journals (e.g. Pharm. Res., Mol. Pharm., Int. J. Pharm., Nanomedicine, Biomacromolecules, J. Pharm. Sci., Immunobiology, Expert Opinion in Drug Delivery, Current Nanoscience, J. Drug Targeting, J. Pharm. Pharmacol., J. Liposome Res., Drug Delivery, Cancer Therapy, Recent Patents on Drug Delivery and Formulations, Journal of Cosmetic Dermatology, Pharmaceutics etc.)

- Listed as outstanding reviewer 2010 by prestigious journal Pharmaceutical Research
- Invited as resource person to deliver invited lectures in several prestigious national and international conferences and to chair the scientific sessions.
- University Gold Medal for first position in both B.Pharm. and M.Pharm. (1998 and 2000 respectively).

Work of the research group recognized and students won the award:

- 3rd Best poster award at 10th International Symposium of Controlled Release Society (CRS) Indian Chapter on Advances in Technology and Business Potential of New Drug Delivery Systems, Mumbai, 17-18 February 2010 (Mr. Amit K. Jain, Ph.D. scholar).
- Budding Nanotechnologist Award at 3rd Winter School on Nanotechnology in Advanced Drug Delivery, NIPER, Mohali (Punjab) India, 08-12 February 2010 (Mr. Vivek S. Thakare, M.S. student).
- S.S. Bhatnagar Chemical Society Best Poster Award at National Conference on Nanomaterials: Synthesis and Applications, Jalandhar (Punjab) India, 06-07 February 2009 (Mr. Amit K. Jain, Ph.D. Scholar).

Foreign visits:

The Netherlands (January 14-15, 2007):

- Visit to University Medical Center Groningen, University of Groningen, Groningen, The Netherlands and delivered a guest lecture

France (November 13-14, 2008):

- Indo-French workshop on Nanotechnology for Biomedical Applications, Paris (Delivered an invited talk).

USA (November 2-13, 2009)

- November 2-4, 2009: Visit to Centre for NanoBiotechnology Research (CNBR), Alabama States University, Montgomery, Alabama and delivered a guest lecture
- November 5-6: Visit to College of Pharmacy and Health Sciences, Mercer University, Atlanta, Georgia and delivered a guest lecture
- November 7, 2009: Visit to Nanotechnology Centre, Georgia Institute of Technology, Atlanta, Georgia and visit to Emory University School of Medicine, Atlanta Georgia
- November 8-12, 2009: 2009 AAPS Annual Meeting and Exposition, Los Angeles, CA
- November 13, 2009: Visit to College of Pharmacy, Western University of Health Science, Pomona, CA

USA (November 13-19, 2010)

- November 13-17, 2010: AAPS Annual Meeting and Exposition, New Orleans, Louisiana (Poster presentation)

- November 18-19, 2010: Visit to Centre for NanoBiotechnology Research (CNBR), Alabama States University, Montgomery, Alabama and delivered a guest lecture