

AWARDS

- **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.
- **Punjab State Young Scientist Award 2005.**
- **IDMA G.P. Nair Award 1998**

LIST OF PUBLICATIONS

International Journals

1. 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. 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. 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**, 3(4), 2007: 246-57.
4. 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.
5. 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**, 3(2), 2007:120-127.
6. S.P. Vyas, V. Sihorkar, **Sanyog Jain**, Mannosylated liposomes for bio-film targeting. **Int. J. Pharm.** 330(1-2), 2007: 6-13.
7. **Sanyog Jain**, S.P. Vyas, Mannosylated niosomes as adjuvant-carrier system for oral mucosal immunization. **J. Liposome Research** 16, 2006: 331-345.
8. 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.
9. **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.

10. **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.
11. **Sanyog Jain**, S. P. Vyas, Mannosylated niosomes as carrier-adjuvant system for topical immunization. **J. Pharm. Pharmacol.**, 57(9), 2005: 1177-1184.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. **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.
18. 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.

National Journals

1. 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.
2. **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.

3. 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.

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

1. 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.
2. **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.
3. **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.
4. 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
5. **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
6. 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.
7. **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.
8. **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**).

9. **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.
10. 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.
11. **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.
12. **Sanyog Jain**, Polysaccharide coated niosomes for oral mucosal immunization, **8th Punjab Science Congress**, Patiala, 7-9 February, 2005. (**WON PUNJAB STATE YOUNG SCIENTIST AWARD**).
13. **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.
14. **Sanyog Jain**, S.P. Vyas, Development and characterization of niosomes for oral immunization, **55th Indian Pharmaceutical Congress**, Chennai, 19-21 December, 2003.
15. **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.
16. **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.