



Centre/School/Special Centre: School of Natural Resources

Department: Pharmacy

Phone: 9425452174

Email: suniljain25in@yahoo.com

Name : Dr. Sunil K. Jain

Qualifications : M. Pharm., Ph.D.

Area of Interest/Specialization :

- ⊕ Development of nano- and microparticulate delivery systems
- ⊕ Calcium silicate based gastro-retentive microspheres and floating granules
- ⊕ Solubility enhancement of poorly soluble drugs by solid dispersion technique
- ⊕ WGA and Con-A decorated nanoparticles for colon targeting
- ⊕ Folic acid surface modified solid lipid nanoparticles for colon targeting

Experience :

S. No.	Name of the Inst./Employer	Position Held	Duration	Major Job Responsibilities and Nature of Experience
1.	SLT Inst. Pharm. Sci., Guru Ghasidas University, Bilaspur	Asst. Prof.	16 years 7 months (Working) Since Sept. 5, 2005)	Teaching to Undergraduate and Postgraduate class Research work
2.	Dr. Harisingh Gour University, Sagar, (M.P.)	UGC-JRF	2 year	Research work Teaching to Undergraduate and Postgraduate class
3.	Dr. Harisingh Gour University, Sagar, (M.P.)	Lecturer	7 month	Teaching to Undergraduate and Postgraduate class
4.	Acharya Narendra Dev College of Pharmacy, Babhnan (U.P.)	Lecturer	1 year	Teaching to Undergraduate

Awards and Honors

1. JRF (Junior Research Fellowship) by UGC, New Delhi for the post graduation.
2. JRF (Junior Research Fellowship) by UGC, New Delhi for the Ph.D.

Research Projects

S.No.	Title	Role	Agency	Period	Amount Sanctioned	Amount Utilized	File no. and date	Status
1	Development of controlled release gastro-retentive multiparticulate delivery systems for the effective management of type-2 diabetes mellitus	PI	AICTE, New Delhi under Research Promotional Scheme	2 years (session 2007-08)	Rs. 6.9 Lacs	Rs. 5,87,794.00	8023/BOR/RPS-155/2006-07; dated, June 11,2007	Completed
2	Lectin conjugated multiparticulate delivery systems for the effective treatment of <i>H. pylori</i> infections	PI	AICTE, New Delhi under Research Promotional Scheme	3 years (session 2013-15)	Rs. 12 Lacs		20/AICTE/RI FD/ RPS (POLICY-III) 13 (Govt)/2012-13	Completed
3	Development of colon targeted new generation vaccine formulations	Co-PI	UGC, New Delhi	3 years (session 2013-15)	Rs. 7,22,800.00		F.No. 41-742/2012 (SR)	Completed

Best Peer Reviewed Publication

1. Kuldeep Rajpoot, **Sunil K. Jain**. Tc-labeled and pH-awakened microbeads entrapping surface-modified lipid nanoparticles for the augmented effect of oxaliplatin in the therapy of colorectal cancer, Journal of Microencapsulation, 2020, 37(8), 609-623. (ISSN: 02652048) (IP: 2.287) (Citation 01).
2. Kuldeep Rajpoot, **Sunil K. Jain**. Oral delivery of pH-responsive alginate microbeads incorporating folic acid-grafted solid lipid nanoparticles exhibits enhanced targeting effect

- against colorectal cancer: A dual-targeted approach. *International Journal of Biological Macromolecules*, 2020, 151:830-844 (ISSN: 01418130)(**IF-6.953**) (Citation 27)
3. **Sunil K. Jain**, Akhlesh Jain, Kuldeep Rajpoot. Expedition of Eudragit® polymers in development of novel drug delivery systems. *Current Drug Delivery*. 2020, 17(6) 448-469 (ISSN: 15672018) (**IF- 2.565**) (Citation 05).
 4. Kuldeep Rajpoot, **Sunil K. Jain**. Irinotecan Hydrochloride Trihydrate Loaded Folic Acid-Tailored Solid Lipid Nanoparticles for Targeting Colorectal Cancer: Development, Characterization, and In-vitro Cytotoxicity Study Using HT-29 Cells. *Journal of Microencapsulation*, 36(7), 2019: 659-676 (ISSN: 02652048)(**IF-2.287**) (Citation 15)
 5. Kuldeep Rajpoot, **Sunil K. Jain**, Colorectal cancer targeted delivery of Oxaliplatin *via* folic acid grafted solid lipid nanoparticles: Preparation, optimization, and *in vitro* evaluation, *Artificial Cells, Nanomedicine, and Biotechnology*, 2018, 46(6):1236-1247. (ISSN: 21691401) (**IF – 5.678**) (**citation 50**)
 6. **Sunil K. Jain**, Tanweer Haider, Amrish Kumar, Akhlesh Jain, Lectin conjugated clarithromycin and acetohydroxamic acid loaded PLGA nanoparticles: A novel approach for effective treatment of *H. pylori*, *AAPS PharmSciTech*, 2016, 17(5):1131-40. (ISSN: 1550-7416) (**IF – 3.246**) (**Citation 22**)
 7. Amrish Kumar, **Sunil K. Jain**, Preliminary studies for the development of intranasal nanoemulsion containing CNS agent: emphasizing the utilization of cut and weigh method. *Artificial Cells, Nanomedicine, and Biotechnology* 2016, 45(3): 515-521. (ISSN: 2169-1401) (**IF – 5.678**) (**Citation 05**)
 8. **Sunil K. Jain**, Neeraj Prajapati, Kuldeep Rajpoot, Amrish Kumar, A Novel Sustained Release Drug Resin Complex Based Microbeads of Ciprofloxacin HCl, *Artificial cells, Nanomedicine & Biotechnology*, 2016, 44(8): 1891-1900. (ISSN: 2169-1401) (**IF – 5.678**) (**Citation 10**)
 9. Amrish Kumar, Aditya N. Pandey, **Sunil K. Jain**, Nasal-Nanotechnology Combination: Revolution for Efficient Therapeutics Delivery, *Drug delivery* 2016, 23(3), 681-693. (ISSN: 1521-0464) (**IF – 3.095**) (**Citation 97**)
 10. **Sunil K Jain**, AM Awasthi, NK Jain, GP Agrawal, Calcium Silicate Based Microspheres of Repaglinide for Gastroretentive Floating Drug Delivery: Preparation and In vitro Characterization, *Journal of Controlled Release*, 2005, 107, 300-309. (ISSN: 0168-3659) (**IF – 9.776**) (Citation: 413)

Recent Books/Book Chapters/Monographs etc.

Published Books:

1. Book title: **Handbook of Practical Pharmaceutics for Post Graduates**
Authors: NK Jain, Sunil K Jain, Akhlesh Jain, Dinesh Mishra
Publisher: Vallabh Prakashan, DELHI-110033 (ISBN no. 978-93-85529-17-7)
First edition, 2018
2. Book title: Practical Aspects of **Pharmaceutics-I**
Authors: Sunil K Jain, Dinesh Mishra
Publisher: Career Publication, Nasik-422001 (ISBN: 978-93-82322-95-5)
First edition, 2019

Published Book Chapters:

Year	S.No	Publication
2020	1	Kuldeep Rajpoot and Sunil K. Jain, The Role of Nanoparticles in the Treatment of Gastric Cancer, in; Nano Drug Delivery Strategies for the Treatment of Cancers, Edited by AK Yadav, U Gupta, R Sharma, Chapter 07, First Edition, Elsevier Publication, 2020, p. 165-189. (ISBN no. 978-0-12-819793-6)
2018	2	Sunil K. Jain , Development and Characterization of Calcium Silicate Based Formulations for Anti-Obesity Therapy, in; eBook series "Anti-Obesity Drug Discovery and Development", Edited by Rahman A, Choudhary MI, Volume IV. Published by Bentham Science Publisher, 2018, p. 98-120. (eISBN : 978-1-68108-558-6,2018) ISSN : 2467-9615 (Print) ISSN : 2210-2698 (Online)
2018	3	Akhlesh K. Jain, Teenu Sharma, Sunil K. Jain , Nanocarriers-Mediated therapeutic Protein Delivery, in; B Singh, RY Ho, JR Kanwar (Ed.), <i>NanoBioMaterials</i> , Chapter 09, CRC Press, Taylor & Francis Group, New York, First Edition, 2018, p.185-202. (Series ISBN: 13: 978-0-8153-9978-0)
2004	4	Sunil K Jain , GP Agrawal, NK Jain, Prodrugs to Enzymes and Membrane Transporters, in; NK Jain (Ed.), <i>Progress in Controlled and Novel Drug Delivery Systems</i> , Chapter 16, CBS Publishers & Distributors, New Delhi, 2004, p. 361-83.

Research Supervision

Ph.D.

S.No.	Name of student	Registration No.	Title	Thesis Submission Date	Date of award/Viva
1	Mr. Kuldeep Rajpoot	(276/Acad/Res/Pharmacy /2015, dated 14.07.2015)	Development of colorectal cancer targeted ligand engineered multiparticulate systems	14.05.2018	28.11.19
2	Mr. Amrish Kumar	(997/Acad/Res/Pharmacy/ 2013, dated 03.12.2013)	Development and evaluation of nanotechnology based dosage forms for intranasal delivery	24.08.2018	28.11.19
3	Mr. Aditya Nath Pandey	(316/Acad/Res/Pharmacy /2013, dated 15.05.2013)	Targeting of lectin conjugate multiparticulate Carrier(s) to colorectal cancer	24.08.2018	28.11.19

M. Pharm. Students guided: 19

Additional Information:

Published Work

⊕ Research Papers i) International = 35 ii) National = 10

⊕ Review articles i) International = 06 ii) National = 08

H Index: 24, I10 index: 35

Cumulative citations: 2099

⊕ Book published: 02

⊕ Book Chapter: 04

⊕ Conference/Seminar Presentation: 26

⊕ Invited lecture/Session chaired: 15

Foreign visit:

Presented research work entitled “5-Fluorouracil encored PLGA nanoparticles for treatment of colorectal cancer” in 2nd International conference on “Fostering Interdisciplinary Research in Health Sciences 2019” held at AIMST University, Malaysia, 14th-15th September 2019.

Membership in Professional bodies

1. Life member Indian Pharmaceutical Association (IPA) (CHA/LM/0063).
2. Life member Association of Pharmaceutical Teachers of India (APTI) (CG/ LM-013).
3. Life member The Indian Science Congress Association (ISCA) (L25470).
4. Life member Society of Pharmaceutical Education and Research (SPER)
(SPER/LM/CG/014)

**Date: 18-04-22****Signature with day**