



Centre/School/Special Centre: Natural Resources

Department: Pharmacy

Phone: 8827989653

**Email: nishant.s.jain@hotmail.com;
nishant.sjain@ggu.ac.in**

Personal Webpage Link: Nil

Name : Dr. Nishant Sudhir Jain

Qualifications : M. Pharm (Pharmacology), PhD

Area of Interest/Specialization : Pharmacology, Neuropharmacology

Experience : 17 Years

**Awards and Honors : Listed on AD world scientific Index of top 2 %
scientist of world in 2022 and 2023**

Research Projects :

S.No	Title	Role	Agency	Period	Amount Sanctioned	Amount Utilized	File no. and date	Status
1.	Understanding the role of hippocampal histaminergic transmission in ethanol withdrawal induced behavioral depression associated	Principal Investigator	DST (SERB)	2017-2021	40.1 Lakhs	38.4 Lakhs	EMR/2016/005051	Completed

	with alcoholism							
2.	To assess the anti-abuse potential of the central histamine receptor analogs on the anxiety related reinforcing effects of nicotine	Principal Investigator	University Grant Commission: Startup Research Grant	2013-2015	6 Lakhs	4.5 Lakhs	20-23(3)/2012(BSR)	Completed
3.	Modernization of Pharmacology laboratory	Principal Investigator	AICTE-MODROB	2011-12	13.5 Lakhs	13.5		Completed

International Collaboration/Consultancy: Nil

Best Peer Reviewed Publication (Last Five years)

Total publications 28 international 10 National

Research Publications: (Last Five Years)						
S. No.	Authors (s)	Title	Name of Journal	Volume	Page	Year
1.	Patel R, Agrawal S, Jain NS	Stimulation of dorsal hippocampal histaminergic transmission mitigates the expression of ethanol withdrawal-induced despair in mice	Alcohol (Impact Factor: 2.4)	96	1-14	2021

2.	Patel D, Vishwakarma PK, Patel R, Jain NS	Central histaminergic transmission modulates the expression of chronic nicotine withdrawal induced anxiety-like and somatic behavior in mice.	Behavioural Brain Research (Impact Factor: 3.2)	399	112997	2021
3.	Verma L, Agrawal D, Jain NS	Enhanced central histaminergic transmission attenuates compulsive-like behavior in mice	Neuropharmacology (Impact Factor: 5.10)	138	106-117	2018
4.	Kumar S, Verma L, Jain NS	Role Histamine H ₁ receptor in caffeine induced locomotor sensitization	Neuroscience letter (Impact Factor: 2.10)	668	60-66	2018
5.	Jain NS , Kannamwar U, Verma L	Ethanol induced antidepressant like-effect in the mouse forced swimming test: modulation by serotonergic system	Psychopharmacology (Impact Factor: 3.540)	234 (3)	447-459	2017
6.	Verma L, Jain NS	Central histaminergic transmission modulates the ethanol induced anxiolysis in mice	Behavioural Brain Research (Impact Factor: 3.2)	313	38-52	2016
7.	Dhumal B, Bhusari KP, Tajne MR, Ghante MH, Jain NS	UV spectrophotometric analysis for the determination of tramadol hydrochloride in pharmaceutical formulation	Indo American Journal of Pharmaceutical Research (Impact Factor: 1.84)	6(01)	4062-69	2016
8.	Jain NS , Tandi L, Verma L	Contribution of central Contribution of the central histaminergic transmission in the cataleptic and neuroleptic effects of haloperidol	Pharmacology Biochemistry Behavior (Impact Factor: 2.5)	130	59-66	2015

Recent Books/Book Chapters/Monographs etc.

Book Chapters contributed in the book entitled as **Pharmacological Screening Methods Edited by Dr. Nishant S. Jain. 1st Edition, Nirali Prakashan, Pune.** ISBN No: 978-93-88293-13-6 are as follows:

1. Popular Transgenic and Mutant Animals. Page No. 21 – 32

2. Dose Selection, Calculation, Conversions and Preparation of Drug Solutions, Suspension Control. Page No. 56 – 60
3. Rationale for Selection of Animal Species and Sex for the study Page No. 61 – 64
4. Nootropics/Anti-alzheimers. Page No. 65 – 86
5. Antiparkinsons. Page No. 87 – 99
6. Antiinflammatory Page No. 100 – 114
7. Analgesics. Page No. 115 – 128
8. Antipyretics. Page No. 129 – 131
9. General Anaesthetics. Page No. 132 – 139
10. Sedative and Hypnotics. Page No. 140 – 154
11. Antipsychotics. Page No. 155 – 171
12. Antidepressants. Page No. 172 – 185
13. Antiepileptics. Page No. 186 – 194
14. Antianxiety. Page No. 195 – 208
15. Antiasthmatics. Page No. 286 – 302
16. Antitussive. Page No. 303 – 311
17. Antiaggregatory, Coagulants and Anticoagulants. Page No. 318 – 340
18. Selection of Research Topic, Review of Literature, Research Hypothesis and Study Design. Page No. 393 – 407
19. Pre-clinical Data Analysis and Interpretation using Students ‘t’ test and One-way ANOVA. Page No. 408 – 415
20. Graphical Representation of Data. Page No. 416 – 423

Published Books:

Authored and Edited a book entitled “Pharmacological Screening Methods” 1st Edition, Nirali Prakashan, Pune. ISBN No: 978-93-88293-13-6.

Research Supervision

Ph.D. Students guided/under guidance (Details):

Awarded

1. Student Name: Lokesh Verma; Guide: Nishant Jain Thesis title: Role of central histaminergic transmission in the ethanol induced behavioral reinforcing effects. (2013-2021). Status: **Awarded** (2021)

In Progress

1. Student Name: Richa Patel; Guide: Nishant Jain Thesis title: Role of central histaminergic transmission in the behavioral actions of some centrally acting agents. (2020). Status: In Progress
2. Student Name: Vaibhav Mathurkar; Guide: Nishant Jain Thesis title: Studies on the Role of central histaminergic transmission in the post-traumatic stress induced some behavioral changes. (2021). Status: In Progress
3. Student Name: Chhatrapal Patel; Guide: Nishant Jain Thesis title: Studies on the Role of central histaminergic transmission in the diabetes-induced some behavioral alterations. (2022). Status: In Progress

Total no. of M. Pharm (PG). Research project guided:

1. **Student Name:** Ajeet Kumar **Thesis title:** To study the role of central cholinergic transmission in the PTS induced effects on nociception. **Year of Completion:** 2022. **Guide:** Nishant S. Jain.
2. **Student Name:** Dharmendra Prasad Kewat **Thesis title:** Effect of olanzapine on compulsive and locomotor behaviors in mice: modulation by central histaminergic transmission. **Year of Completion:** 2022. **Guide:** Nishant S. Jain.
3. **Student Name:** Neha Sharma **Thesis title:** Modulation Effect of endocannabinoid-induced effect on anxiety and compulsive behaviors in mice by caffeine in mice. **Year of Completion:** 2022. **Guide:** Nishant S. Jain.
4. **Student Name:** Venu anand das Vaishnav **Thesis title:** Role of central serotonergic transmission in the berberine-induced effect on behavioral despair in mice. **Year of Completion:** 2022. **Guide:** Nishant S. Jain.
5. **Student Name:** Chatrapal Patel **Thesis title:** To study the role of central cholinergic transmission in the endocannabinoid induced anticompulsive like behavior in mice. **Year of Completion:** 2021. **Guide:** Nishant S. Jain.
6. **Student Name:** Anuradha Kesarwani **Thesis title:** Histamine Induced effect on MBB in mice: Interaction with cholinergic system **Year of Completion:** 2021 **Guide:** Nishant S. Jain.
7. **Student Name:** Laxmi Rao **Thesis title:** Role of central histaminergic transmission in the diazepam induced some behavioral effects. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2021 **Guide:** Nishant S. Jain.

8. **Student Name:** Rakhi Mishra Thesis title: Endocannabinoid induced behavioral activity in mice on tail suspension test: Modulation by histaminergic transmission. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2020 **Guide:** Nishant S. Jain.
9. **Student Name:** Varsha Yadav. Thesis title: Role of histaminergic transmission in the endocannabinoid induced effect on compulsive like behavior. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2020 **Guide:** Nishant S. Jain.
10. **Student Name:** Arpita Mishra. Thesis title: The construction and validation of a novel model for the screening of some behavioral activities in mice. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2020 **Guide:** Nishant S. Jain.
11. **Student Name:** Deepak Patel. Thesis title: Role of central histaminergic transmission in the chronic nicotine withdrawal induced anxiety. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2019 **Guide:** Nishant S. Jain.
12. **Student Name:** Sumit Kumar Agrawal. Thesis title: To study the role of hippocampal histaminergic transmission in the chronic ethanol withdrawal induced behavioral despair. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2019 **Guide:** Nishant S. Jain.
13. **Student Name:** Kanhiya Lal Gupta. Thesis title: To study the role of central histaminergic transmission in stress. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2019 **Guide:** Nishant S. Jain.
14. **Student Name:** Anjali Swarnakar. Thesis title: To study the role of central histaminergic transmission in the fluoxetine induced effects on behavioral despair. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2019 **Guide:** Nishant S. Jain.
15. **Student Name:** Shalu Kumar. Thesis title: Caffeine induced locomotor sensitization: modulation by the central histaminergic system. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2017 **Guide:** Nishant S. Jain.
16. **Student Name:** Suman Jaiswal. Thesis title: Chronic nicotine induced tolerance to and withdrawal effects on nociception: modulation by the central histaminergic system. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2016 **Guide:** Nishant S. Jain.
17. **Student Name:** Gargi Roy Thesis title: Modulation of caffeine induced locomotor stimulant effect by histaminergic transmission. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2016 **Guide:** Nishant S. Jain.

18. Student Name: Sulekha Khute. Thesis title: The role of histaminergic transmission in the nicotine induced antidepressant effect. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2016 **Guide:** Nishant S. Jain.
19. Student Name: Varsha Saxena. Thesis title: Role of histaminergic transmission in the ethanol induced locomotor sensitization. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2016 **Guide:** Nishant S. Jain.
20. Student Name: Prabhat K. Vishwakarma. Thesis title: Behavioral effects of nicotine on elevated plus maze: Modulation by histaminergic transmission. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2015 **Guide:** Nishant S. Jain.
21. Student Name: Preeti Dubey Thesis title: To study the role of central histaminergic transmission in the nicotine induced effects on nociception. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2015 **Guide:** Nishant S. Jain.
22. Student Name: Rahul Jha. Thesis title: To evaluate the contribution of histaminergic transmission in ethanol induced effects on nociception. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2015 **Guide:** Nishant S. Jain.
23. Student Name: Satya Prakash Kumar. Thesis title: Nicotine induced locomotor sensitization: Modulation by histaminergic transmission. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2015 **Guide:** Nishant S. Jain.
24. Student Name: Anindita Kundu Thesis title: Effect of histaminergic transmission on the Induction Phase of Locomotor Sensitization to nicotine. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2014 **Guide:** Nishant S. Jain.
25. Student Name: Khushboo Kumari. Thesis title: Role of histamine receptors in the ethanol induced tolerance and chronic withdrawal induced behavioral effects on nociception. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2014 **Guide:** Nishant S. Jain.
26. Student Name: Disha Agrawal Thesis title: Role of histaminergic transmission in the obsessive compulsive disorders. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2013 **Guide:** Nishant S. Jain.
27. Student Name: Moika Patankar. Thesis title: Behavioral effects of ethanol on marble burying behavior in mice: modulation by histaminergic transmission. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2013 **Guide:** Nishant S. Jain.

28. **Student Name:** Lakshpati Tandi, Thesis title: Role of central histaminergic transmission in the neuroleptic and cataleptic effect of haloperidol. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2013 **Guide:** Nishant S. Jain.
29. **Student Name:** Lokesh Verma, Thesis title: Behavioral effects of ethanol on elevated plus maze: modulation by histaminergic transmission. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2013 **Guide:** Nishant S. Jain.
30. **Student Name:** Arpan Lekurwale. Thesis title: Role of histamine in induction of and expression to the ethanol induced locomotor sensitization in mice. **University:** RTM Nagpur University. **Year of Completion:** 2010 **Guide:** Nishant S. Jain.
31. **Student Name:** Antariksha Duratkar. Thesis title: Role of nicotinic receptor in the ethanol Induced anxiolysis and Withdrawal Induced Anxiety. **University:** RTM Nagpur University. **Year of Completion:** 2010 **Guide:** Nishant S. Jain.
32. **Student Name:** Heena Upadhye. Thesis title: Role of serotonin receptors in Ethanol induced anxiolysis and withdrawal induced anxiety. **University:** RTM Nagpur University. **Year of Completion:** 2010 **Guide:** Nishant S. Jain.
33. **Student Name:** Uday Kannamwar. Thesis title: Behavioral effects of ethanol in Porsolt's forced swim test: Role of Serotonergic transmission. **University:** RTM Nagpur University. **Year of Completion:** 2010 **Guide:** Nishant S. Jain.
34. **Student Name:** Sangeeta Mohanty. Thesis title: To study the behavioral effects of acetaminophen in the model of depression: Modulation by serotonergic transmission. **University:** RTM Nagpur University. **Year of Completion:** 2010 **Guide:** Nishant S. Jain.
35. **Student Name:** Bhupendra Wanjari. Thesis title: To study the behavioral effects of histamine in Porsolt's forced swim test in mice: Modulation by serotonergic and GABAergic transmission. **University:** RTM Nagpur University. **Year of Completion:** 2010 **Guide:** Nishant S. Jain.
36. **Student Name:** Minal Patil. Thesis title: To study the behavioral effects of Caffeic acid in porsolt's forced swim test: Modulation by serotonergic transmission. **University:** RTM Nagpur University. **Year of Completion:** 2010 **Guide:** Nishant S. Jain, Co-Guide: Shubdha Ingole.
37. **Student Name:** Ashwin Deshmukh. Thesis title: Nootropic effect of quercetin in the experimental Alzheimer's model by colchicine: Modulation by some neurotransmitter system. **University:** RTM Nagpur University. **Year of Completion:** 2010 **Guide:** Nishant S. Jain, Co-Guide: Shubdha Ingole.

Administrative Responsibilities:

- 1. Member of Core committee (UGC-NET exam)**
- 2. Member, Exam Flying Squad (2017-19)**
- 3. Member, Counting/Polling committee (Student Election: 2015-19)**
- 4. Incharge, Animal House (2016-2022)**
- 5. Member, AICTE approval committee (2013-2022)**
- 6. Member, PCI approval committee (2013-2020)**
- 7. Member, Admission committee (UG, PG, PhD) (2015-till date)**
- 8. Member, Time Table committee (2016-2022)**
- 9. Member, Pilot plant establishment committee (2022)**
- 10. Member, Central Animal house facility establishment committee (2022)**



Signature