



Dr. Nishant Sudhir Jain

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Institute of Pharmaceutical Sciences,
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India**

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Education

S. No	Degree	Year	Subject	University/Institution	%
1.	B. Pharm	1999	Pharmacy	University: RTM Nagpur University, Nagpur Institution: Sharad Pawar College of Pharmacy	64.72
2.	M. Pharm	2000	Pharmacology	University: RTM Nagpur University, Nagpur Institution: University Department of Pharmaceutical Sciences, Nagpur, India	65.33
3.	Ph.D	2006	Pharmaceutical Sciences (Pharmacology)	University: RTM Nagpur University, Nagpur Institution: University Department of Pharmaceutical Sciences, Nagpur, India	NA

Teaching Experience

S. No	Positions held	Name of the Institution	From	To	Pay Scale	Total Experience
1.	Associate Professor	Depratment of Pharmacy, Guru Ghasidas University (A central University), Koni, Bilaspur (C.G.), India	17 th January, 2024	Till date	Level 13A (131400-217100)	Till date
2.	Assistant Professor	Depratment of Pharmacy, Guru Ghasidas University (A central University), Koni, Bilaspur (C.G.), India	17 th January, 2012	16 th January, 2024	Basic: 23,540 Pay Band 15600-39100 AGP:6000	12 yr 0 m 4 days
3.	Assistant Professor	Govt. College of Pharmacy, Amravati, (MH) (Selected by MPSC, stood 1st in the selection Merit list)	12 th January, 2011	13 th January, 2012	Basic: 23,540 Pay Band 15600-39100 AGP:6000	1 yr 0 m 2 days
4.	Reader/Associate professor	J. L. Chaturvedi College of Pharmacy, Electronic Zone building, Nagpur (MH)	23 rd June, 2010	11 th January, 2011	Basic 12,000 12000-420-18300	0 yr 6 m 19 days
5.	Lecture	J. L. Chaturvedi College of Pharmacy, Electronic Zone building, Nagpur (MH)	3 rd November, 2006	22 nd June, 2010	Basic: 8000 8000-275-13500	3 yr 7 m 19 days
6.	Lecture	Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR), New Delhi (Selected by UPSC)	26 th September, 2005	11 th October, 2006	Basic: 8000 8000-275-13500	1 yr 0 m 15 days
7.	Lecture	Sharad Pawar College of Pharmacy, Nagpur (MH)	23 rd September, 2002	31 st March, 2005	Ad Hoc	2 yr 6 m 8 days

Research Experience

Patent: 04

1. Arpita Mishra, Nishant Sudhir Jain, Sumit Agrawal, Richa Patel. Elevated H maze. FOR LABORATORY USE. Indian patent in 2023

Design Patent Application Number: 381769-001

Design Grant Serial No: 138874

Date of Grant: 08/03/2023

2. Mr. Balram Kaushik, Dr.Sunil K.Jain, Dr. Nishant Sudhir Jain, Dr. Dinesh K.

Mishra, Dr.Arjun Patra, Dr. K. Kesavan, Dr. Yogesh Yaishnav, Dr. Mahavir H. Ghante, Dr. Aditya Nath Pandey, Ms. Reshu Agrawal, Ms. Prlyarjna Bhagat.
Carbopol Hydrogel System Hybridized With Econazole Nitrate-Loaded Nanostructured Lipid Carriers For Improved Topical Antifungal Activity.

Indian Patent No: 202321075839

Publication date: 08/12/2023

- 3.** Manoj Goyal, Charan Singh, Jayant Kumar, Sandeep Kumar Yadav, Arjun Patra, Biswatrish Sarkar, Anil Pareek, Nishant Sudhir Jain. **ROTA ROD APPARATUS FOR RAT**

Indian Patent No: 418681-001

Date of Grant: 31/05/2024

- 4.** Ashwini Kumar Dixit, Satish Kumar Dubey, Nishant Sudhir Jina. **Improved Wound Healing Using a Topical Gel Formulation created by Silver Nanoparticles Derived from Polyherbal Mixture"**

German Patent No: 20-2024 104929

Date of Grant: 09/09/2024

Research Projects (4 Projects)

Total: 60.1 Lakhs

- 1. DST (SERB) (40.1 Lakhs) (2017-2020)**

Principal Investigator: Nishant S. Jain

“Understanding the role of hippocampal histaminergic transmission in ethanol withdrawal induced behavioral depression associated with alcoholism”.

- 2. University Grant Commission Startup Research Project (6 Lakhs) (2013-2015)**

Principal Investigator: Nishant S. Jain

“To assess the anti-abuse potential of the central histamine receptor analogs on the anxiety-related reinforcing effects of nicotine”.

3. AICTE MODROB (13.5 Lakhs) (2012-2013)

Principal Investigator: Nishant S. Jain

4. International travel grant by DST (1.1 Lakhs) (2009)

For presenting a research paper on GnRH modulates diazepam induced antianxiety and anticonvulsant effect in mice at 19th Neuropharmacology conference: Neuropeptide (14-16th October, 2009), at Chicago, USA.

PhD Research Guidance

1. Student Name: Lokesh Verma; Guide: Nishant S. Jain Thesis title: Role of central histaminergic transmission in the ethanol-induced behavioral reinforcing effects. (2013-2021). Status: **Awarded** (2021)
2. Student Name: Richa Patel; Guide: Nishant S. Jain Thesis title: Role of central histaminergic transmission in the behavioral actions of some centrally acting agents. (2020). Status: **Awarded** (2024)
3. Student Name: Vaibhav Mathurkar; Guide: Nishant S. Jain Thesis title: Studies on the Role of central histaminergic transmission in post-traumatic stress induced some behavioral changes. (2021). Status: **In Progress**
4. Student Name: Chhatrapal Patel; Guide: Nishant S. Jain Thesis title: Studies on the Role of central histaminergic transmission in the diabetes-induced some behavioral changes. (2021). Status: **In Progress**
5. Student Name: Venu Anand Das Vaishnav; Guide: Nishant S. Jain Thesis title: To investigate the functional role of central cholinergic transmission in the hepatic encephalopathy induced some Behavioral alterations. (2024). Status: **In Progress**

M.Pharm. (PG) Research Guidance

PG student research Guidance

1. **Student Name:** Mr. Durlav Chowdhury **Thesis Title:** To study the role of central histaminergic transmission in the hepatic Encephalopathy induced behavioral despair in rats. **Year of Completion:** 2023. **Guide:** Nishant S. Jain

2. **Student Name:** Ms. Kumari Hemlata **Thesis Title:** To investigate the effects of endocannabinoids on chronic caffeine withdrawal-induced anxiety and compulsive-like behavior in mice. **Year of Completion:** 2023. **Guide:** Nishant S. Jain
3. **Student Name:** Ms. Riya Pal **Thesis Title:** To study the role of central histaminergic transmission in diabetes-induced anxiety –like behavior in mice. **Year of Completion:** 2023. **Guide:** Nishant S. Jain
4. **Student Name:** Ms. Km Neha Sharma **Thesis Title:** Modulation of Endocannabinoid induced effects on anxiety and compulsive-like behavior by caffeine in mice. **Year of Completion:** 2022. **Guide:** Nishant S. Jain.
5. **Student Name:** Ajeet Kumar **Thesis Title:** To study the role of central histaminergic transmission in the post-traumatic stress-induced effect on nociception. **Year of Completion:** 2022. **Guide:** Nishant S. Jain.
6. **Student Name:** Mr. Dharmendra Prasad Kewat **Thesis Title:** Effect of olanzapine on compulsive and locomotor behavior in Mice: Modulation by central histaminergic transmission. **Year of Completion:** 2022. **Guide:** Nishant S. Jain.
7. **Student Name:** Mr. Venu Anand Das **Thesis Title:** Role of serotonergic transmission in the berberine-induced effects on behavioral Despair in mice. **Year of Completion:** 2022. **Guide:** Nishant S. Jain.
8. **Student Name:** Chatrapal Patel **Thesis Title:** To study the role of central cholinergic transmission in the endocannabinoid induced anticomulsive like behavior in mice. **Year of Completion:** 2021. **Guide:** Nishant S. Jain.

9. **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.
10. **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.
11. **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.
12. **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.
13. **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.
14. **Student Name:** Deepak Patel. **Thesis title:** Role of central histaminergic transmission in chronic nicotine withdrawal-induced anxiety. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2019 **Guide:** Nishant S. Jain.
15. **Student Name:** Sumit Kumar Agrawal. **Thesis title:** To study the role of hippocampal histaminergic transmission in chronic ethanol withdrawal-induced behavioral despair. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2019 **Guide:** Nishant S. Jain.
16. **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.
17. **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.**
18. 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.**
 19. 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.**
 20. 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.**
 21. 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.**
 22. 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.**
 23. 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.**
 24. 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.**
 25. 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.**

26. 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.
27. 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.
28. 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.
29. Student Name: Disha Agrawal Thesis title: Role of histaminergic transmission in obsessive-compulsive disorders. **University:** Guru Ghasidas Vishwavidyalaya. **Year of Completion:** 2013 **Guide:** Nishant S. Jain.
30. 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.
31. 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.
32. **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.
33. **Student Name:** Arpan Lekurwale. Thesis title: Role of histamine in the induction of and expression to the ethanol-induced locomotor sensitization in mice. **University:** RTM Nagpur University. **Year of Completion:** 2010 **Guide:** Nishant S. Jain.
34. **Student Name:** Antariksha Duratkar. Thesis title: Role of nicotinic receptor in ethanol Induced anxiolysis and Withdrawal Induced Anxiety. **University:** RTM Nagpur University. **Year of Completion:** 2010 **Guide:** Nishant S. Jain.

35. **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.
36. **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.
37. **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.
38. **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.
39. **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.
40. **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.

PhD Research with Dr. Chandrabhan T. Chopde

(2002-2006)

Role of neurosteroids in the adenosine analogs induced behaviors at University Department of Pharmaceutical Sciences, RTM Nagpur University, Nagpur, India

PG Research with Dr. Chandrabhan T. Chopde

(1999-2000)

The effect of neurosteroids on the caffeine induced locomotor stimulation and induction to locomotor sensitization at University Department of Pharmaceutical Sciences, RTM Nagpur University, Nagpur, India.

Research Publications:						
S. No.	Authors (s)	Title	Name of Journal	Volume	Page	Year
1.	Patel C, Patel R, Kesarwani A, Rao, L, Jain NS	Central cholinergic transmission modulates the endocannabinoid-induced marble-burying behavior in mice	Behavioral Brain Research (Impact Factor: 3.9)	476	115252	2025
2.	Anupama Panday, Bhupendra Dixena, Nishant Jain and Akhlesh Kumar Jain	Lipid-based Non-viral Vector: Promising Approach for Gene Delivery	Current Pharmaceutical Design (Impact Factor: 2.8)	24 September	1-19	2024
3.	Richa Patel and Nishant Sudhir Jain	Stimulation of central histaminergic transmission attenuates diazepam-induced motor disturbance on rota-rod and beam walking tests in mice	Behavioral Pharmacology (Impact Factor: 1.6)	35(6): September	351-365	2024
4.	Duratkar A, Patel R, , Jain NS	Neuronal nicotinic acetylcholine receptor of the central amygdala modulates the ethanol-induced tolerance to anxiolysis and withdrawal-induced anxiety in male rats	Behavioral Pharmacology (Impact Factor: 1.6)	35	132–146	2024
5.	Gopal G. Naik, Madavi	In Vitro Cytotoxic Potential of Cow dung and expired tomato	Arabian Journal of Chemistry	17	105576	2024

	R, Minocha T. Mohapatra D, Pratap R. Shreya S, Kumar P Patel, S. Kumar Yadav, A. Parmar, A. Patra, Jain NS ,. Satpathy S, M. Kazi, M. Hussain Delwar, Sahu AN	saucers-derived Carbon nanodots Against A-375 human melanoma cell line	(Impact Factor: 6.1)			
6.	Patel C, Patel R, Maturkar V, Jain NS	Central cholinergic transmission affects the compulsive-like behavior of mice in marble- burying test	Brain Research (Impact Factor: 3.9)	1825	148713	2023
7.	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
8.	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

9.	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
10.	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
11.	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
12.	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
13.	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
14.	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
15.	Dhumal B, Bhusari KP, Patra A, Thareja S, Jain NS	Stability indicating high performance thin layer chromatographic method for the determination of tramadol	Journal of Liquid Chromatography & Related Technologies (Impact Factor: 0.84)	38	1088-1093	2015

		hydrochloride in pharmaceutical formulation.				
16.	Dhumal B, Bhusari KP, Tajne MR, Ghante MH, Jain NS	UV Spectrophotometric Analysis For The Determination Of Mefenamic Acid In Pharmaceutical Formulation.	Indo American Journal of Pharmaceutical Research (Impact Factor: 1.84)	5(11)	3643-3650	2015
17.	Dhumal B, Bhusari KP, Tajne MR, Ghante MH, Jain NS	Stability indicating method for the determination of ketorolac tromethamine in pharmaceutical formulations by HPLC.	Indo American Journal of Pharmaceutical Research (Impact Factor: 1.84)	4(07)	3248-3257	2014
18.	Dhumal B, Bhusari KP, Tajne MR, Ghante MH, Jain NS	Stability Indicating Method for the Determination of Mefenamic Acid in Pharmaceutical Formulations by HPLC	Journal of Applied Pharmaceutical Science (Impact Factor: 0.64)	December, 4 (12)	60-64	2014
19.	Ghante MH, Bhusari KP, Duragkar NJ, Jain NS , Warokar AS	Bronchorelaxant, mast cell stabilizing, anti-inflammatory and antioxidant activity of <i>Randia dumetorum</i> (Retz.) Lamk. extracts.	Acta Pol Pharma (Impact Factor: 0.74)	May-Jun 69 (3)	465-474	2012
20.	Ghante MH, Bhusari KP, Duragkar NJ, Jain NS , Warokar AS	Bronchoprotective, Bronchodilatory and Anti-inflammatory Activity of Ethanolic Extract from <i>Woodfordia fruticosa</i> (Kurz.) Flowers	Indian Journal of Pharmaceutical Research (Impact Factor: 0.64)	Apr - Jun, 46(2)	168-173	2012
21.	Umathe SN, Manna SS, Jain NS	Endocannabinoid analogues exacerbate marble-burying	Neuropharmacology (Impact Factor: 5.1)	Apr; 62(5-6)	2024-2033	2012

		behavior in mice via TRPV1 receptor.				
22.	Umathe SN, Manna SS, Jain NS	Involvement of endocannabinoids in antidepressant and anti-compulsive effect of fluoxetine in mice.	Behavioural Brain Research (Impact Factor: 3.2)	Sep: 30; 223(1)	125-134	2011
23.	Umathe SN, Bhutada PS, Jain NS , Mundhada YR, Borkar SS, Dhumal B.	Role of nitric oxide in obsessive-compulsive behavior and its involvement in the anti-compulsive effect of paroxetine in mice.	Nitric Oxide (Impact Factor: 3.76)	Sep; 21(2)	140-147	2009
24.	Umathe SN, Manna SS, Utturwar KS, Jain NS .	Endocannabinoids mediate anxiolytic-like effect of acetaminophen via CB1 receptors.	Progress in Neuropsychopharmacology Biological Psychiatry (Impact Factor: 4.36)	Oct 1; 33(7)	1191-1199	2009
25.	Umathe SN, Jain NS . Dixit P. V.	Neurosteroids modulate compulsive and persistent behaviour in rodents. Implications for obsessive-compulsive disorder.	Progress in Neuropsychopharmacology Biological Psychiatry (Impact Factor: 4.36)	Oct 1;33(7)	1161-1166	2009
26.	Umathe SN, Wanjari MM, Manna SS, Jain NS	A possible participation of gonadotropin-releasing hormone in the neuroleptic and cataleptic effect of haloperidol.	Neuropeptides (Impact Factor: 2.72)	Jun;43(3)	251-257	2009
27.	Umathe SN, Bhutada PS, Raut VS, Jain NS ,	The 5-HT ₃ receptor antagonist, ondansetron, blocks the development and expression of	Behavioral Pharmacology (Impact Factor: 2.00)	Feb;20(1)	78-83	2009

	Mundhada YR.	ethanol-induced locomotor sensitization in mice.				
28.	Umathe SN, Kochar NI, Jain NS , Dixit PV	Gastrointestinal dysfunction in diabetic rats relates with a decline in tissue L-arginine content and consequent low levels of nitric oxide.	Nitric Oxide (Impact Factor: 3.76)	Mar;20(2)	129-133	2009
29.	Umathe SN, Jain NS , Dixit PV, Wanjari MM	Influence of Quercetine on diabetes induced alteration in CYP3A activity and bioavailability pioglitazone in rats.	American Journal of Infectious Diseases (Impact Factor: 0.22)	5(2)	125-132	2009
30.	Umathe SN, Bhutada PS, Jain NS , Dixit PV, Wanjari MM	Effects of central administration of gonadotropin-releasing hormone agonists and antagonist on elevated plus-maze and social interaction behavior in rats.	Behavioral Pharmacology (Impact Factor: 2.00)	Jul;19(4)	308-316	2008
31.	Umathe SN, Bhutada PS, Jain NS , Shukla NR, Mundhada YR, Dixit PV	Gonadotropin-releasing hormone agonist blocks anxiogenic-like and depressant-like effect of corticotrophin-releasing hormone in mice	Neuropeptides (Impact Factor: 2.72)	Aug; 42(4)	399-410	2008
32.	Umathe SN, Bhutada PS, Dixit PV, Jain NS	Leuprolide: A luteinizing hormone releasing hormone agonist attenuates ethanol withdrawal syndrome and ethanol-induced locomotor sensitization in mice.	Neuropeptides (Impact Factor: 2.72)	Jun ; 42(3)	345-353	2008
33.	Jain NS , Hirani K,	Reversal of Caffeine induced Anxiogenic Effect by	Neuropharmacology (Impact Factor: 5.1)	48	427-438	2005

	Chopde CT	Neurosteroid 3 α -hydroxy-5 α - pregnan-20-one in Rats.				
34.	Hirani K, Sharma AN, Jain NS , Ugale RR, Chopde CT	An Evaluation of GABAergic Neuroactive steroid Allopregnanolone as Neurobiological Substrate for the Anti-Anxiety effect of Ethanol in Rats	Psychopharmacology (Berl) (Impact Factor: 3.540)	180	267- 278	2005

List of Invited Talks/ Conferences / Seminars / Workshops attended/Book published

A. List of Invited Talks/ Conferences / Seminars:

A. International

1. Invited talk at an International conference on emerging research in biosciences (28-30th Oct. 2019) at the Department of Zoology, Guru Ghasidas University, Bilaspur.
2. Poster presentation at on “GnRH modulates diazepam induced antianxiety and anticonvulsant effect in mice” at 19th Neuropharmacology conference: Neuropeptide (14-16th October. 2009), at Chicago, USA. (Sponsored by Department of Science and Technology, Govt. of India).
3. Attended an International Structural Neuroscience Conference on peptide (2-3rd Feb (2008) at UDPS, RTM Nagpur University, Nagpur, India.

B. National

1. Invited Lecture on Reference Manager at ICSSR Sponsored (ONLINE) Two Weeks Capacity Building Programme On Research Methodology in Social Sciences for Faculty Members and Research Scholars organized by DEPT. OF EDUCATION GURUGHASIDAS VISHWAVIDYALAYA, BILASPUR on 18.05.2022.
2. Invited Lecture on Pharmacological simulation modeling at in the Webinar on Pharmacological simulation modeling organized by Kalinga University, Raipur, C.G. India on 28.02.2022.
3. Resource person for evaluating the Poster session at Indian Pharmaceutical Congress at Nagpur on 20-22 Jan 2023.
4. Resource person and delivered a talk on Animal handling and OECD Guidelines in the Two days workshop cum hands-on training on botanical extraction and phytochemical techniques. Conducted by the Department of Pharmacy on March 18-19, 2023

5. Poster presentation at UGC SAP sponsored National seminar on traditional medicine and modern drug research for better health care (8th March. 2019) at SLT Institute of Pharmaceutical sciences, Guru Ghasidas University, Bilaspur.
6. Invited talk in CGCOST sponsored National seminar on Drug abuse and addiction (22nd Feb. 2016) at DLSPG college, Bilaspur
7. Poster presentation at National Seminar on Ethnomedicine and new drug discovery: Challenges and Opportunities (10-11th April. 2015) at SLT Institute of Pharmaceutical Sciences, Guru Ghasidas University, Bilaspur.
8. Poster presentation at National seminar on Standardization of Herbal Drug Formulations: A holistic goal (25-26th Feb. 2012) at SLT Institute of Pharmaceutical Sciences, Guru Ghasidas University, Bilaspur.
9. Invited talk on Screening methods in anxiety and Depression in AICTE-sponsored Quality Improvement Programme (4-16 June. 2012) at M. Patel Institute of Pharmacy, Gondia, MH
10. Poster presentation and Attended an National Seminar on United Pharmacy-Medical Approach for better health care (28th Nov. 2011) at Shard Pawar College of Pharmacy Maharashtra, India.
11. Attended the 62th Indian Pharmaceutical Congress (2010) at Manipal, India.
12. Poster presentation and Attended a National Seminar on Emerging trends in the Advanced Drug Delivery system at Shard Pawar College of Pharmacy on 8th and 9th (2007) at Maharashtra, India.
13. Attended the 57th Indian Pharmaceutical Congress (2005) at Hyderabad, India.
14. Oral Presentation: N. Jain, C. Chopde, M. Morelli. Neurosteroid 3-alpha-hydroxy-5alpha-pregnan-20-one attenuates anxiogenic effect of caffeine. 54th Indian Pharmaceutical Congress (2002). Pune (Maharashtra), India.
15. Poster presentation: N Jain, K. Hirani, R. Ugale, C. Chopde. Role of Neurosteroid allopregnanolone in caffeine-induced locomotor stimulation and tolerance in rats. Indian Pharmacological Society; (2002). Nagpur, India.

16. Oral Presentation: N. Jain, R. Khisti, C. Chopde. "Neurosteroid 3-alpha-hydroxy-5-alpha-pregnan-20-one prevents the development of tolerance and dependence to caffeine. Indian Pharmaceutical congress (2000). Hyderabad, India.

B. STTP/orientation programme/ refresher course/workshop attended:

1. INTER-DISCIPLINARY ONLINE TWO-WEEK REFRESHER COURSE/FACULTY DEVELOPMENT PROGRAMME on "Managing Online Classes & Co- creating MOOCS 8.0" from 04/9/2021 -18/9/2021
2. ARPIT Swayam Online Refresher Course in Pharmacy for Higher Education, ARPIT Swayam, IIT, BHU from 18/10/2019 to 15/01/2020.
3. Refresher Course on Environmental practices for sustainable Development (ID) at HRDC, GGV, Bilaspur from 24.06.2019 to 06.07.2019.
4. UGC sponsored Refresher Course on Environmental practices for sustainable development at HRDC, Guru Ghasidas Vishwavidyalaya, Bilaspur C.G. from 24/6/2019 to 6/7/2019.
5. UGC sponsored Refresher Course ICT (Pharmaceutical Science), RTM Nagpur University, Nagpur from 1/10/2015 to 21/10/2015.
6. UGC sponsored orientation program at HRDC, Guru Ghasidas Vishwavidyalaya, Bilaspur C.G. from 11/5/2015 to 6/6/2015.
7. One-week STTP on Frontiers in Pharmaceutical Sciences at Delhi Institute of Pharmaceutical Sciences and Research, New Delhi from 27/2/2006 to 3/3/2006.
8. Two weeks STTP on Emerging Areas in Pharmaceutical Education and Practice at Shard Pawar College of Pharmacy, Wanadongari, Nagpur from 21/10/2002 to 1/11/ 2002.

C. Books published:

1. **Pharmacological Screening Methods (2018)** Edited by Dr. Nishant S. Jain. 1st Edition, Nirali Prakashan, Pune. **ISBN No: 978-93-88293-13-6.**
2. **Pharmacological Practical-I (2023)** Edited by Dr. Nishant S. Jain. 1st Edition, Nirali Prakashan, Pune. **ISBN No: 978-81-19883-71-4.**

D. Book Chapters

1. **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
2. **35 Book Chapters** contributed in the book entitled as **Pharmacological Practical-I Edited by Dr. Nishant S. Jain. 1st Edition, Nirali Prakashan, Pune.** ISBN No: 978-81-19883-71-4

Achievements

1. Presented a paper at 19th Neuropharmacology Conference: Neuropeptide (14-16th October, 2009), at Chicago, USA. **(Sponsored by Department of Science and Technology, Govt. of India).**
2. Following research papers are cited by the **ANNUAL NEWS LETTER PUBLISHED BY SOCIETY FOR NEUROSCIENCES (SfN), USA, AS THE RECENT FINDINGS OF YEAR 2005-06 IN THE FIELD OF NEUROSTEROIDS RESEARCH.**
 - a) An Evaluation of GABAergic Neuroactive steroid Allopregnanolone as Neurobiological Substrate for the Anti-Anxiety effect of Ethanol in Rats(Psychopharmacology (Berl), 2005; 180: 267-278).
 - b) Reversal of Caffeine induced Anxiogenic Effect by Neurosteroid 3 α -hydroxy-5 α -pregnan-20-one in Rats. (Neuropharmacology, 2005; 48 :427-438).

Research Interest

1. **To understand the neurobiology of addiction.** The key targets of interest are the central histaminergic, GABAergic, nicotinic system and their role in the development of dependence, tolerance, withdrawal-associated symptoms, and in the relapse of drugs of abuse like ethanol and nicotine.
2. **Neuropsychopharmacology:** To assess the role of endogenous molecules in the pathophysiology of various mood disorders like depression, psychosis, and anxiety.

Skills and Techniques

1. Specialized in the drug administration by the intracerebroventricular (ICV) route.
2. Surgical cannula implantation in the specific brain areas using stereotaxic apparatus.
3. Experience in the evaluation and interpretation of data using various rodent behavioral paradigms like tail suspension test, forced swim test, Morris water maze, elevated plus maze test, conditioned avoidance chamber, conditioned place preference test, light and dark model, hot plate, tail immersion/tail flick test, chronic drug administration in liquid diet (ethanol) and electroconvulsive method.
4. Surgical methods like ovariectomy, adrenalectomy, intra-cardiac blood withdrawal, and brain isolation.
5. Skilled in brain sectioning using microtome and cryostat.
6. Fluorescence microscopy.
7. Application of statistics to the data and interpretation using statistical software like Graphpad Prism and SPSS.

Declaration:

I the undersigned declares that the information furnished above is true to the best of my knowledge and no facts are concealed.

A handwritten signature in blue ink, appearing to read 'Nishant S. Jain', is written over a horizontal line.

(Dr. Nishant S. Jain)