

# Dr. Jagdish Kumar Sahu

Associate Professor  
Department of Pharmacy  
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## ACADEMIC EXPERIENCE: 15.5 Years

S. No.	Organization	Designation	From	to
1.	Department of Pharmacy, Tripura University (A Central University), Suryamaninagar, Tripura (W)	Associate Professor	13/12/2023	Till Date
2.	School of Pharmacy & Technology Management, SVKM's NMIMS (Deemed to be University), Shirpur, Maharashtra	Assistant Professor	31/08/2019	09/12/2023
3.	Kharvel Subharti College of Pharmacy, Swami Vivekanand Subharti University, Meerut (U.P.)	Associate Professor	16/08/2018	27/08/2019
4.	Pharmacy Academy, IFTM University, Moradabad (U.P.)	Assistant Professor	14/08/2015	15/08/2018
5.	Institute of Professional Studies College of Pharmacy, Gwalior (M.P.)	Assistant Professor	12/08/2008	13/08/2015

## RESEARCH INTEREST

1. Synthesis and Biological Evaluation of New Chemical compounds with special reference to Heterocyclic moieties
2. Pharmacophore Modelling and Drug Design
3. Analytical method development and Validation
4. Forced Degradation Studies of API and combined dosage forms

## ACADEMIC QUALIFICATIONS

S. No.	Name of Examination	Board / University	Year of passing	Percentage / Grade
1.	Ph.D.	Birla Institute of Technology, Mesra, Ranchi (Jharkhand)	2016	Awarded
2.	M. Pharm. (Pharmaceutical Chemistry)	Dept. of Pharm. Sci., Dr. H. S. Gour Central University, Sagar (M.P.)	2008	65 %
3.	B. Pharm.	S.O.S. in Pharm. Sci., Jiwaji University, Gwalior (M.P.)	2005	70 %

## NET/GATE/GPAT QUALIFIED

S. No.	Name of Examination	Score/Percentile	Year
1.	GATE (IIT, Mumbai)	88.37	2005

## RESEARCH GRANT

S. No.	Title of the Project	Funding Agency	Period	Amount sanctioned	Status
1.	Synthesis of some newer Triazole derivatives and Evaluation of their Biological activity (A Major Research Project)	Madhya Pradesh Council of Science and Technology, Bhopal	03/07/2012 to 30/07/2015 (Worked as Co-PI)	3,58,000/-	Completed
2.	Ligand based and structure based design of some fused triazole analogs as antimicrobial agents	NMIMS Mumbai	03/08/2020 to 30/06/2022	85000/-	Completed

## CURRENT PROFESSIONAL ACTIVITY

Teaching / Guiding postgraduate and Ph.D. students.

1. Ph.D. Guidance: 01 (Awarded)
2. M. Pharm Research Guidance: 06 (completed)
3. Google Scholar Citations: 433
4. h-index (Google Scholar): 11, i-10 index: 11
5. h-index (Scopus): 8, Citations: 229 (Scopus Author ID: 55137708600)
6. Orcid ID: 0000-0002-7904-6962, Vidwan-ID: 205875

## AWARDS AND MERITS

- Invited as Resource Person in International Conference on Drug Discovery, Design and Delivery Approaches organized by Guru Nanak College of Pharmaceutical Sciences, Dehradun, Uttarakhand on 26/11/2022 in collaboration with APTI, IPA.
- Presented paper entitled Pharmacophore-Based Virtual Screening and Molecular Docking study of 3-(3,4-dimethoxyphenyl)-6-phenyl-7H-[1,2,4]triazolo [3,4-b][1,3,4]thiadiazine" in an International Conference on Drug Discovery held at BITS Pilani K K Birla Goa Campus, Goa on 10<sup>th</sup> and 11<sup>th</sup> November, 2022 sponsored by Schrodinger, US.

- Invited as Guest Speaker on February 17, 2022 to deliver a lecture on the topic “Drug Repurposing: A Novel Approach for addressing COVID-19 outbreak” in PU Webinar Series organized by Parul Institute of Pharmacy and Research, Parul University, Vadodara, Gujarat.
- Invited as Guest Speaker in Faculty Development Programme sponsored by Association of Pharmaceutical Teachers of India (APTI) on Emerging Trends and Challenges in Pharmaceutical Sciences and Health Care-2022 from 15/01/2022 to 21/01/2022 held at School of Pharmaceutical Sciences, IIMT University, Meerut, U.P.
- Invited as Speaker in Dr. A. P. J. Abdul Kalam Technical University, Lucknow sponsored e Faculty Development Programme from 08/12/2020 to 12/12/2020 held at Shri Ram Murti Smarak College of Engineering & Technology (Pharmacy) Bareilly.
- Nominee of CPCSEA, Govt. of India since 2017 onwards. Currently, member of Institutional Animal Ethics Committee (IAEC), Sardar Vallabh Bhai Patel University of Agriculture and Technology, Meerut.
- Awarded as Bentham Brand Ambassador (2019-20) – Bentham Science Publishers
- Best Research Paper Award- Department of Pharm. Sciences, B.I.T., Mesra, Ranchi on April 9-10, 2010.
- Best Paper Appreciation Award- Indian Pharmaceutical Association Annual Convention, Indore on Feb 19-20, 2011
- Recipient of AICTE Fellowship for M. Pharm programme (GATE Qualified) in 2005.

## **MEMBERSHIP OF PROFESSIONAL BODIES**

- Life Member of Association of Pharmaceutical Teachers of India (APTI)
- Life Member of Indian Pharmaceutical Association (IPA)
- Life Member of Society of Pharmaceutical Education and Research (SPER)
- Life Member of Association of Community Pharmacists of India (Regd.)

## **OTHER ACTIVITIES**

- Editorial Board Member – International Journal of Chemical and Pharmaceutical Analysis, SF Journal of Pharmaceutical and Analytical Chemistry
- Reviewer – Journal of Advanced Pharmaceutical Technology & Research, Medicinal Chemistry Research
- Managing Editor – Current Research in Pharmaceutical Sciences

## PUBLICATIONS AND PRESENTATIONS

### ➤ No. of patents: 03

Sr. No.	Name of the Author/s	Patent No. & Country	Title of the Patent	Status of the patent	Date / Year
1.	<u>Dr. Jagdish K Sahu</u> , et al	No. 49/2020 Dated 04/12/2020 Application No. 202011050685, INDIA	Derivatives 7-Hydroxy-4-Methyl Coumarin	Published	04/12/2020
2.	<u>Dr. Jagdish K Sahu</u> , et al	Patent No. 2021105736 Dated 19/01/2022 AUSTRALIA	Synthesis, characterization and biological evaluation of Cyclo-octapeptide, Cyclogossine B (77)	Granted	19/01/2022
3.	<u>Dr. Jagdish K Sahu</u> , et al	Patent No. 202211052475A, Dated 23/09/2022 INDIA	Chemo-selective Synthesis of 1,2-disubstituted Benzimidazole Derivatives	Published	23/09/2022

### ➤ No. of papers published in Journals: 37

1. Kavita Rana, Avijit Mazumder, Salahuddin, Anurag Agrawal, Jagdish K Sahu, Synthesis, in vivo Biological Evaluation and Molecular Docking Study of some newer Oxadiazole Derivatives as Anticonvulsant, Antibacterial and Analgesic agents, Current Computer-Aided Drug Design (2023) 19 (6), 408-450 [Bentham Science] [IF-1.639].
2. Ujwal R Chaudhari, Jagdish K. Sahu and Payal R. Dande. An Updated Review on the Chemistry, Biological Characteristics and Analytical Techniques of Dapagliflozin, Current Organocatalysis (2023) 10 (4), 283-296. [Bentham Science] [IF-1.4].
3. Divya Chauhan, Anurag Agrawal, Jagdish K. Sahu and Sushil Kumar. Acute oral toxicity, antioxidant activity and molecular docking study of 2-(4-Bromo-phenoxy)-N-[6-chloro-4-(4-chlorophenyl)-3-cyano-4H-chromen-2-yl]-acetamide, Current Drug Discovery Technologies (2023) (Accepted – E pub ahead of print) [Bentham Science].
4. Mukesh Gupta, Muskan Gupta and Jagdish K. Sahu. Impact of Benzimidazole containing scaffolds as Anticancer Agents through diverse modes of action, Current Bioactive Compounds (2023) 19 (9), 12 [Bentham Science].
5. Akshita Agrawal, Jagdish K Sahu, Shilpa Dawre, Abhishek Kanugo. Determination of Olmesartan in bulk and pharmaceutical dosage form through the Development and Validation of a stability indicating RP-HPLC method, Drug Metabolism and Bioanalysis Letters (2023) 16 (1), 65-72 [Bentham Science].

6. Shikha Sharma, Mukesh Gupta, Muskan Gupta and Jagdish K. Sahu. Significance of Benzimidazole analogues for the creation of novel molecules in drug discovery. *Current Chemistry Letters* 12 (2023) 27–44 (Growing Science, Canada).
7. Vallabh D. Suryavanshi, Sanjay Sharma and Jagdish K Sahu, Review on Characteristics and Analytical Methods of Remogliflozin etabonate: An Update, *Mini-Reviews in Medicinal Chemistry* (2022), 22 (9): 1341-1350 [Bentham Science] [IF-4.059].
8. Satendra Kumar, Arvind Kumar Anurag Agrawal, Jagdish K Sahu Synthesis, in vivo biological assessment and molecular docking study of some newer indole derivatives as COX 1/2 inhibitors. *Journal of Molecular Structure* (2021), Vol. 1230, 129831 [Elsevier] [IF-3.841].
9. Kavita Rana, Salahuddin, Jagdish K Sahu. Significance of 1,3,4-Oxadiazole Containing Compounds in New Drug Development. *Current Drug Research Reviews* (2021), 13(2): 90-100 [Bentham Science].
10. Mohit Gupta; Ravi Shekhar; Jagdish K Sahu. Role of Drug Discovery in Central Nervous System Disorders: An Overview. *Cur Res Pharm Sci* 2021, 11, 86-90.
11. Charul Lautre, Sanjay Sharma & Jagdish K Sahu. Chemistry, Biological Properties and Analytical Methods of Levonadifloxacin: A Review. *Critical Reviews in Analytical Chemistry* (2020), 52 (5), 1069-1077 [Taylor & Francis Group] [IF-6.535].
12. Pratiksha N Chopra and Jagdish K Sahu. Biological Significance of Imidazole-Based Analogues in New Drug Development. *Current Drug Discovery Technologies* (2020), 17 (5), 574-584 [Bentham Science].
13. Anuj Kumar, Yogesh Kumar, Jagdish K. Sahu, Sushil Kumar. Synthesis, Characterization and Antimicrobial Evaluation of some N-substituted benzimidazole derivatives. *Current Drug Discovery Technologies* (2020), 17 (1), 87-91 [Bentham Science].
14. Arun K. Mishra, Arvind Kumar, Jagdish K Sahu, Amrita. Recent Advancements in Biological Activities of Oxadiazole and their Derivatives: A Review: *Letters in Organic Chemistry*. (2020), 17 (6), 409-429 [Bentham Science] [IF-0.797].
15. Jagdish K Sahu and Arun K. Mishra. Ozenoxacin: a novel drug discovery for the treatment of impetigo. *Current Drug Discovery Technologies* (2019), 16 (3), 259-264 [Bentham Science].
16. Arun K. Mishra, Arvind Kumar, Harpreet Singh, Shweta Verma, Jagdish K Sahu, Amrita Mishra. Chemistry and Pharmacology of Luliconazole (Imidazole Derivative): A Novel Bioactive Compound to Treat Fungal Infection-A Mini Review: *Current Bioactive Compounds*. (2019), 15 (6), 602-609 [Bentham Science].
17. Mohd. Zeeshan, Arvind Kumar, Jagdish K Sahu, Amrita Mishra and Arun K. Mishra. Chemistry and Pharmacology of Deflazacort: A Novel Bioactive Compound for the Treatment of Duchenne Muscular Dystrophy-A Mini Review. *Current Bioactive Compounds*. (2019), 15 (1), 41-44 [Bentham Science].
18. Jagdish K Sahu and Arun K. Mishra. Tools in the design of therapeutic drugs for CNS disorders: An Up-to-Date Review. *Current Molecular Pharmacology* (2018), 11(4), 270-278 [Bentham Science][IF-3.855].

19. Jagdish K Sahu, Swastika Ganguly and Mohammad Yasir. Synthesis, SAR and molecular docking studies of certain new derivatives of 1,2,4-triazolo [3,4-b][1,3,4] thiadiazole as potent antimicrobial agents. *Anti-Infective Agents* (2018), 16 (1), 40-48 [Bentham Science].
20. Sahu JK and Mishra A. Dalfampridine: A Bioactive Compound for Improvement in Patients with Multiple Sclerosis. *SF Journal of Pharmaceutical and Analytical Chemistry*. 2018; 01 (01): 01-03.
21. Jahan S, Sahu JK. A Market Survey of Amlodipine (Antihypertensive) in Moradabad City. *Curr. Res. Pharm. Sci.* 2017; 07 (01): 30-32.
22. Shamra P and Sahu Jagdish K. Structure based drug design: a review. *Pharmacia: An Int. J. of Pharm. Sc.*, 2016, 3(1): 01-10.
23. Sahu JK, Sahu N, Kaushik A. Synthesis and biological evaluation of some newer 1,2,4-triazolo [3, 4b][1,3,4]thiadiazole derivatives. *WJPPS*, 2016, Volume 5, Issue 8, 1194-1203.
24. Sikka P, Sahu JK, Mishra AK, Hashim SR. Role of Aryl Urea Containing Compounds in Medicinal Chemistry. *Med chem*, 2015; 5:479-483.[OMICS International]
25. Sahu JK, Ganguly S, Kaushik A. Synthesis and antimicrobial activity of some novel fused heterocyclic 1,2,4-triazolo [3,4-b][1,3,4] thiadiazine derivatives. *Journal of Advanced Pharmaceutical Technology & Research* (2014), 5(2), 90-95 [Medknow][IF-1.4].
26. Sahu JK, Ganguly S, Kaushik A. Synthesis of Some Novel Heterocyclic 1,2,4-triazolo [3,4-b][1,3,4] Thiadiazole Derivatives as Possible Antimicrobial Agents. *Journal of Applied Pharmaceutical Science* (2014), Vol. 4 (02), pp. 081-086.
27. Sahu Jagdish K, Ganguly S, Kaushik A. Triazoles: A valuable insight into recent developments and biological activities. *Chinese Journal of Natural Medicines*. (2013), 11(5), 456-465 [Elsevier][IF-4.6].
28. Sahu, N, Sahu Jagdish K, Kaushik, A. A review on 'triazoles': their chemistry and pharmacological potentials *Curr. Res. Pharm. Sci.* 2013; 3(4): 108-113.
29. Gupta S and Sahu J. "Benefit of Accreditation in Hospitals" *Curr. Res. Pharm. Sci.* 2013; 3 (2): 39-44.
30. Sahu Jagdish, Singhai A.K, Narayan Sailesh, Tayal Shivam, Diwan Ankit. The therapeutic role of chelation in poison, *PHARMACIA* (2011), 1 (2): 43-46.
31. Sahu Jagdish K; Kaushik A.; Banerjee L. Anti-inflammatory, analgesic & ulcerogenic activity of Ketoprofen glucopyranoside conjugates. *International Journal of Pharmaceutical Sciences and Research* (2010), 1(4), 96-101[Web of Science indexed][IF-1.83].
32. Sahu Jagdish K.; Banerjee L. Synthesis and biological properties of ketoprofen glucopyranoside conjugates. *Asian Journal of Chemistry* (2009), 21(5), 3443-3448 [IF-1.22].
33. Das R, Sahu J, Gupta R.N. Potentiative activity of Cucurbita maxima seed extract to reduce extra fats from the body. *International journal of Pharmaceutical Sciences & Research (IJPSR)* (2010), Vol. 1, Issue 2, 56-62. [Web of Science indexed][IF-1.83].
34. Sahu, Jagdish K; Banerjee, L. Evaluation of ulcerogenicity of Ketoprofen glucopyranoside derivatives. *International Journal of Research in Ayurveda & Pharmacy* (2010), 1(1), 186-191.

35. Jain A, Sharma S, Goyal M, Dubey S, Jain S, Sahu J, Sharma A, Kaushik A. Anti-inflammatory activity of Syzygium Cumini leaves. International Journal of Phytomedicine. 2 (2010) 124-126.
36. Dubey S, Jain A, Mehta SC, Gupta P, Jain S, Sahu J. Niosomes: The ultimate drug carrier. Drug Invention Today 2010, 2(1), 72-77.
37. Jain A, Dubey S, Sahu J, Gupta A, Tyagi AK and Kaushik A. Butea monosperma: The Palash- A Versatile Tree Full of Virtues, Research Journal of Pharmacognosy and Phytochemistry Year : 2010, Volume : 2, Issue : 1, 7-11.

➤ **Book / Chapter in book: 1**

1. “Advanced Research and Practices in Pharmaceutical Sciences” edited by Dr. Fakhruddin Ahmed Qureshi et.al Title: Triazole: A Molecule of Interest for Medicinal Chemist Authors: Jagdish K Sahu, Neha Sahu and Swastika Ganguly Page no. 115-128 ISBN: 978-88805-59-4 S. R. Scientific Publications, Agra (U.P.)

➤ **No. of papers published as Conference proceedings: 1**

1. Arun K Mishra, Jagdeesh Sahu, Amrita Mishra (2016). In Silico Approach: A Novel Tool In Drug Design. In: International Journal of Pharmacy & Life Sciences. 7 (9), 55. Proceedings of the MPCST Sponsored National Seminar on “Recent Trends and Advancement in Alternatives to Animal Experiments” held at RKDF Institute of Pharmaceutical Sciences, Indore on October 1, 2016.

➤ **No. of papers presented in refereed conferences/Workshops/QIP attended:**

1. Oral Presentation at 44th Annual Convention of Chemists organized by Indian Chemical Society, Kolkata, Dec. 23th-27th, 2007 held at Jaipur (ORG (OP)-40). Synthesis and Studies of some Glucopyranoside Conjugates of NSAIDs.
2. Oral Presentation at 44th Annual Convention of Chemists organized by Indian Chemical Society, Kolkata, Dec. 23th-27th, 2007 held at Jaipur (AEC (AP)-6). Development of Spectrophotometric Methods for the Simultaneous Estimation of Atorvastatin and Ezetimibe in Tablet Dosage Forms.
3. Poster Presentation at Indian Pharmaceutical Congress, Dec. 12th-14th, 2008 at New Delhi (Poster no. MC – 88). Synthesis and Pharmacological Evaluation of Glucopyranoside Conjugates of Naproxen
4. Poster Presentation at Indian Pharmaceutical Congress, Dec. 11th-13th, 2009 at Ahmedabad (Poster no. B – 77) Synthesis of Ketoprofen Glucopyranoside Conjugates and Study of their Biological properties
5. Poster Presentation entitled Emerging Drug Discovery Approaches against Infectious Diseases at National Conference, June. 26th-27th, 2010 held at Shoolini University, Solan.
6. Poster presentation at Institute of Pharmacy, AKS University, Satna, Sep. 30, 2012 entitled Synthesis and Pharmacological Evaluation of Glucopyranoside Conjugates of Ketoprofen.

7. Quality Improvement Programme on Drug Discovery Approaches (14 days) during May 4-16, 2009 held at Dept of Pharm. Sciences, Birla Institute of Technology, Mesra, Ranchi
8. Professional Development Workshop (2 days) during Oct. 29-30, 2013 held at SOS Neuroscience, Jiwaji University, Gwalior
9. Analytical Instrumental Training Programme cum Workshop during July 21-23, 2016 held at Adina Institute of Pharmaceutical Sciences, Sagar (M.P.)
10. Poster Presentation in National Seminar, Mar. 4th, 2017 at SNMC, Agra entitled "Significance of Imidazole heterocyclic nucleus in new drug development"
11. Three Days Training Programme for Nominees of CPCSEA, Ministry of Environment, Forest and Climate change, Government of India held at Indira Paryavaran Bhawan, New Delhi, during 07-09 March, 2017.
12. 69th Indian Pharmaceutical Congress on "Skill and will to make and serve Quality Pill" held at Chitkara University, Chandigarh, during 22-24 December, 2017.
13. Poster Presentation in ICMR sponsored National Seminar, Feb. 23, 2018 at School of Pharmacy, Chouksey Engineering College, Bilaspur entitled "Importance of Indole Heterocyclic Core in New Drug Development".
14. Poster Presentation in MPCST sponsored National Seminar, Apr. 7<sup>th</sup>, 2018 at People's University, Bhopal entitled "Necessity of Triazole heterocyclic nucleus in new drug development and therapy".

## ADDITIONAL EXPERIENCES/ACTIVITIES

### a) University Administration:

1. Worked as Superintendent of Examination for 3 years at IPS College of Pharmacy, Gwalior affiliated to Rajiv Gandhi Technical University, Bhopal (M.P.)
2. Worked as NIRF Coordinator in Subharti University, Meerut (U.P.)

b) In charge, Project Placement Committee: SVKM'S NMIMS, Shirpur, Maharashtra

## PERSONAL DETAILS

Date of Birth	:	26/06/1976
Marital status	:	Married
Languages	:	English and Hindi
Nationality	:	Indian
Present Address	-	Department of Pharmacy, Tripura University (A Central University), Suryamaninagar, West Tripura - 799022
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