

PRASHANT GAHTORI

B. Pharm., M. Pharm., Ph.D., Postdoc

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Dehradun Uttarakhand, India

SUMMARY

An accomplished pharmaceutical professional with over 16 years of academic and research experience. Expertise in the grant writing, publications, book authorship, and patents. Proven track record of leading research projects, mentoring scholars, and contributing to scientific advancements. Strong collaborative and interdisciplinary approach aimed at driving innovation and scientific excellence.

EXPERIENCE (16 Yrs plus)

Professor and Director

Vasudev College of Pharmacy

- Apr 2025 - Present | Haldwani, Uttarakhand
 - Leading academic and research activities to strengthen pharmacy education and innovation.
 - Managed multidisciplinary teams, enhancing laboratory competencies and boosting research productivity.
 - Actively mentoring students, and early-career researchers.

Professor/ Associate Professor

Graphic Era (Deemed to-be University / Hill University) Dehradun

(52th NIRF Ranking 2024, University Category)

- 04/2019 - 04/2025 | Dehradun, Uttarakhand
 - Developed comprehensive curricula for B. Pharm. and Ph.D. programs, resulting in increased student enrollment and academic reputation.
 - Authored/co-authored 13 SCI articles in high-impact journals.
 - Filed five patent applications, including one disposed patent on a dual-purpose natural dental care composition.

Postdoctoral Researcher

IIT Roorkee (8th NIRF Ranking 2024, Overall)

- 10/2017 - 10/2018 | Roorkee, Uttarakhand
 - Conducted advanced CoMFA/CoMSIA modeling for exploring mechanism of Resveratrol derivatives.
 - Managed lab inventory and equipment maintenance ensuring no downtime in ongoing experiments.
 - Under the guidance of supervisor, trained PhD/ MSc students towards improving laboratory operations and experiment setups.

Assistant Professor

Uttarakhand Technical University (State Government University)

- 10/2011 - 10/2017 | Dehradun, Uttarakhand
 - Established advanced labs with modern instrumentation (Quaternary HPLC, FTIR, UV Spectrophotometry etc.).
 - Secured ₹4,700K+ in research funding from DBT, Govt. of India, as Principal Investigator (PI).
 - Mentored one JRF, one lab technician, and 17 M.Pharm. students, enhancing lab productivity.
 - Published 15 SCI articles and developed curricula for B.Pharm. and M.Pharm. courses.
 - Taught MPharm Drug Regulatory Affairs & Intellectual Property Right and Advanced Analytical Techniques courses.

Senior Lecturer

Devsthal Vidyapeeth

- 08/2008 - 08/2011 | Rudrapur, Uttarakhand
 - Established Infrastructure for B. Pharm.
 - Published 07 SCI articles.

Guest Faculty

Kumaun University Bhimtal Campus

- 10/2007 - 07/2008 | Bhimtal, Uttarakhand
 - Taught Pharm. Analysis, Biochem, Pharmacotherapy etc.

KEY ACHIEVEMENTS

₹47Lakh+ Grant Acquisition

Principal Investigator role in acquiring research funding of over ₹47L from DBT, Govt. of India.

Administration

AICTE/UTU Observer, PCI/ UTU inspector

Publications

Published over **forty-one** peer-reviewed SCI articles in prestigious journals with **nine as first/ corresponding** author with impact factor **0.9 to 13**.

Mentorship

Successfully trained and mentored a team of seventeen MPharm scholars.

Awards & Recognitions

- Indian Government Fellowship during Postdoc studies at IIT Roorkee ₹55k pm for one yr and MPharm at DU ₹5k pm for two yrs.
- Awarded the Best Researcher Award £50 among International Candidates at Loughborough University UK by the Royal Society of Chemistry.

TRAINING/ EDUCATION

Postdoctoral studies in Med. Chemistry

IIT Roorkee India (8th NIRF Ranking 2024, Overall Category)

10/2017 - 10/2018 | Roorkee, Uttarakhand

PhD in Pharmaceutical Science

Dibrugarh University (28th NIRF Ranking 2024, Pharmacy Category)

12/2008 - 03/2012 | Dibrugarh, Assam

M. Pharm. in Pharmaceutical Chemistry

Dibrugarh University (28th NIRF Ranking 2024, Govt University)

07/2005 - 07/2007 | Dibrugarh, Assam

B. Pharm.

SBS(PG)I Balawala H.N.B. Garhwal University

07/2002 - 07/2005 | Srinagar, Uttarakhand

COURSES

RSC Medicinal Chemistry School

Loughborough University United Kingdom (212th QS Ranking 2024)

- 06/2015 - 06/2015 | Loughborough, England
 - Learned Hit identification: Selectivity, patentable novelty and acceptable pharmacokinetics
 - Lead optimization: High solubility across buffers, low hERG interaction, Ligand- receptor crystal structure, and potent bioactivity.

LANGUAGES

- Hindi** Native 
- English** Advance 

REGISTERED PHARMACIST

- Uttarakhand Regd. No. 124

RESEARCH PROFILES WoS ID: AAR-5192-2021 || ORCID ID: 0000-0002-2944-7856 || Vidwan-ID: 215046 || Scopus ID: 27067728400



- Book** Medicinal Chemistry-I (ISBN 97893 87686 373) Plagiarism: Less than 1.16% Publisher: M/s. Nirali Prakashan Pune
- Journals** h-index Scopus= 15; Google Scholar=17; RG Score= 361.8; SCI Journals= 40 Scopus Profile: <https://www.scopus.com/authid/detail.uri?authorid=27067728400>
- Patents** 01 Disposed in order for Grant under sec. 43 and 04 Applications in progress.



PUBLICATIONS

Book / Peer-Reviewed Journals

	Journal of Biomolecular Structure and Dynamics (1)			Tetrahedron Letters (1)	
	Journal of Chemometrics (1)			Enzyme Inhibition and Medicinal Chemistry (1)	
	Medicinal Chemistry Research (4)			Chemical Biology & Drug Design (2)	
	RSC Advances (1)			Pharmacological Reports (1)	
	Current Pharmaceutical Design (1)			Experimental Parasitology (1)	
	Expert Opinion on Drug Delivery (1)			Journal de Mycologie Medicale (1)	
	Biomedicine & Pharmacotherapy (1)			Indian Journal of Pharmaceutical Sciences (2)	
	Journal of Biochemical and Molecular Toxicology (1)			Arabian Journal of Chemistry (1)	
	Saudi Pharmaceutical Journal (1)			New Journal of Chemistry (1)	
	Letters in Drug Design & Discovery (2)			Asian Journal of Chemistry (1)	
	Preprint (2)			Preprint (1)	
					

Book

Medicinal Chemistry-I

Plagiarism: Less than 1.16%



Prashant Gahtori, Abhishek Tiwari, Archana Gahtori.
Medicinal Chemistry-I (ISBN 97893 87686 373)
M/s. Nirali Prakashan, Shivaji Nagar Pune

Scientific Journals

Scopus h-index=15; Google Scholar h-index= 17; **Research Interest Score 336.4;**
SCI plus Scopus Journals= 41

Top 10 SCI Publications from a Total of 41 SCI/ Scopus

01. **Prashant Gahtori***, Aparoop Das and Hans Raj Bhatt (2009) Synthesis and antibacterial assessment of N-[4-(4- substitutedphenyl)-1,3-thiazolyl]-1,3,5-triazine-2-amine. Indian Journal of Pharmaceutical Sciences, Volume 71, Issue 01, Pages 79- 82 (Publisher: **Medknow** Publications & Media Pvt. Ltd. ISSN: 0250-474X) **IF: 0.30**.
02. **Prashant Gahtori*** and Surajit K. Ghosh (2012) Design, synthesis and SAR exploration of hybrid 4- chlorophenylthiazolyl-s-triazine as potential antimicrobial agents. Journal of Enzyme Inhibition and Medicinal Chemistry, Volume 27, Issue 02, Pages 281-293 (**Informa** Healthcare ISSN: 1475-6366) **IF: 5.051**.
03. **Prashant Gahtori***, Surajit Kumar Ghosh, Brijesh Singh, Udaya Pratap Singh, Hans Raj Bhat and Archana U (2012) Synthesis, SAR and antibacterial activity of hybrid chloro, dichloro- phenylthiazolyl-s-triazines. Saudi Pharmaceutical Journal, Volume 20, Issue 01, Pages 35-43 (Publisher: **Elsevier** Science BV ISSN: 1319-0164) **IF: 4.330**.

04. **Prashant Gahtori**, Surajit Kumar Ghosh, Pratap Parida, Anil Prakash, Kabita Gogoi, Hans Raj Bhat and Udaya Pratap Singh (2012) Antimalarial evaluation and docking studies of hybrid phenylthiazolyl-1,3,5-triazine derivatives: A novel and potential antifolate lead for Pf-DHFR-TS inhibition. *Experimental Parasitology*, Volume 130, Issue 03, Pages 292-299 (Publisher: **Elsevier Science**. ISSN: 0014-4894) **IF: 2.036**.
-Featured in Elsevier Malaria Nexux, Science.gov, MedSci and Malariaworld.
-Cited as top three most downloaded article in last 90 days by the Scopus.
05. Archana Gahtori, Abhay Kumar, Preeti Kothiyal and **Prashant Gahtori*** (2014) Facile and efficient preparation of hybrid phenylthiazolyl-1,3,5- triazines and their antidepressant-like effect in mice. *Tetrahedron Letters*, Volume 55, Issue 36, Pages 4987–4990 (Publisher: Pergamon-**Elsevier Science Ltd**. ISSN: 0040-4039) **IF: 2.391**.
06. **Prashant Gahtori***, Rahul Pandey, Vinod Kumar, Surajit Kumar Ghosh, Aparoop Das, Jun Moni Kalita, Supriya Sahu, Anil Prakash, and Divya Ranjan Bhattacharyya (2016) Toward resistance-compromised DHFR inhibitors part 1: Combined structure/ligand-based virtual screenings and ADME-Tox profiling. *Journal of Chemometrics* Volume 30, Issue 8, Pages 462–481. (Publisher: John **Wiley & Sons** ISSN: 1099-128X) **IF: 1.873**.
07. Akshara Pande, Mahesh Manchanda, Hans Raj Bhat, Partha Sarathi Bairy, Navin Kumar and **Prashant Gahtori*** (2022) Molecular insights into a mechanism of resveratrol action using hybrid computational docking/CoMFA and machine learning approach. *Journal of Biomolecular Structure and Dynamics* 40 (18), 8286-8300 (Publisher: **Taylor & Francis Online** ISSN: 0739-1102) **IF: 3.392**.
08. Gaurav Joshi, Akshara Pande, Omdeep Gupta, Anoop Nautiyal, Sanjay Jasola, **Prashant Gahtori*** (2023) Analyzing Uttarakhand's COVID-19 Outbreak: Demographic Insights and Strategies for Future Pandemic Prevention. *Coronaviruses* Doi: 10.2174/0126667975257267231213071226 (Publisher: **Bentham Science** ISSN: 2666-7967).
09. Archana Gahtori, Sarika Khandari, Shweta Pandey, **Prashant Gahtori** (2024) Substituted 1, 3, 5-Triazine Heterocycles: Synthesis and Antibacterial Activity. *Pharmaceutical Chemistry Journal* 57, 1580–1585 Doi: 10.1007/s11094-024- 03051-y (Publisher: **Springer** Online ISSN 1573-9031; Print ISSN 0091-150X) **IF: 0.9**.
10. Aarti Sati, Pynshngainlang Kyllait, **Prashant Gahtori**, Hans Raj Bhat, Md Sadique Hussain, Gaurav Gupta, Archana Gahtori (2025) Behavioral and histopathological insights into phenylthiazolyl-1, 3, 5-triazines: potential antidepressant candidates in a rat model of depression. *Journal of Complementary and Integrative Medicine* Doi: 10.1515/jcim-2024-0417 (Publisher: **De Gruyter** ISSN: 1553-3840) **IF: 2.3**.

Patents



5. Dual Purpose Natural Dental Care Composition (Indian Patent Application No. 202211051831) **Patent Disposed** in order for a grant under Sec. 43, Awaiting NBA approval.
4. A System for Pesticides Monitoring and Controlling in Farm Environment (Indian Patent Application No. 202211037604)
3. Efficient Tea Bag/ Packet Squeezer with Spring Compression System (Indian Patent Application No. 202211031288)
2. One step Process of dihydroisoxazole synthesis using VEC and nitrile oxide. (Indian Patent Application No. 202211039712)
1. Design and prototyping of a low-cost efficient incubation system for air/soil microbial and biomedical studies thereof (Indian Patent Application No. 202211058515)

INVITED TALKS

- (i) Uttranchal University (22 July to 04 Aug 2022) FDP on "Artificial Intelligence and Its Impact on Industry 4.0 and Healthcare System".
- (ii) Royal Global University, Guwahati (May 26, 2021) on "Quest for Small Molecule Drugs Repurposing to accelerate COVID-19 therapeutics via Computer Aided Drug Design".
- (iii) Gurukul Kangri University, Haridwar (Oct 15, 2022) on "Computer-Aided Drug Design in Contemporary Drug Discovery/Design Pipeline".
- (iv) GIS Institute of Professional studies Dehradun (Dec 25, 2011 to Feb 05, 2012) on "Sample handling and measurement in UV-Visible Spectroscopy, Interpreting Infrared spectra, Data interpretation in Proton Nuclear Magnetic Resonance Spectroscopy and Mass Spectrometry Fundamentals".

E- LEARNING MATERIAL

- **Regulations in conduct of Clinical trials and filing New Drug Application in India**
(Ref: <http://www.authorstream.com/Presentation/praniori-3010291-regulations-conduct-clinical-trials-filing-nda-india>)
- **Predicting UV absorption: Beer–Lambert Law and Woodward- Fieser, Nielsen, Fieser-Kuhn Rules**
(Ref: <http://www.authorstream.com/Presentation/praniori-3018683-predicting-uv-absorption-laws-rules>)
- **Step-by-step interpretation of an IR spectrum**
(Ref: <http://www.authorstream.com/Presentation/praniori-3019644-ir-spectrum>)

CONFERENCE/ WORKSHOP ORGANISED

- (i) Student Coordinator, Contemporary Facets in Organic Synthesis (CFOS'17) 22nd -24th December, 2017 at IIT Roorkee. (Allocated Budget approx. 8 lacs)
- (ii) One day workshop on Aug 24, 2015, sponsored by Uttarakhand State Council for Science and Technology. Intellectual Property Rights: In-house Patent filing. (Allocated Budget approx. 1.89 lacs)

PRESENTATIONS AT SCIENTIFIC MEETINGS

- Poster presentation on Jun 21, 2015 at Medicinal Chemistry Resident School Loughborough University, UK. Evaluation of high throughput docking performance using a novel antifolate experimental data.
- Oral presentation Fifth Uttarakhand State Science and Technology congress on Nov 10-11, 2010 at Doon University, Dehradun. Green Chemistry: An approach towards sustainability.
- Poster presentation National Conference in Current Status and Challenges in Pharmacy and Healthcare on Mar 28, 2010 at Kanpur University, Kanpur. Antibacterial potential of some substituted 1H,2H,3H,4H-naphthalene derivatives.
- Oral presentation National conference, Innovations in drug discovery & research on Mar 03-05, 2009 at Dept. of Pharm. Sciences & Research, Punjabi university. Synthesis and Physicochemical characterization of substituted Phenylthiazolyl-1,3,5-triazine derivatives.

उत्तराखंड के पहाड़ी जिलों में कोविड का असर काफी कम रहा

■ शैलेन्द्र सेगवाल

देहरादून। उत्तराखंड के पर्वतीय जिलों में कोविड का असर न केवल कम रहा बल्कि वहां कोविड की रिकवरी दर सबसे अधिक रही। इसके बूते राज्य की आयोग्य प्राप्ति की दर 96.41 फीसदी रही। पर्वतीय जिलों में रुद्रप्रयाग की रिकवरी दर सबसे अधिक 99.21, पौड़ी गढ़वाल की 98.49 व पिथौरागढ़ की 98.25 फीसदी रही। ग्राफिक एरा पर्वतीय विवि के प्रोफेसरों का कोविड को लेकर किया गया शोध अंतरराष्ट्रीय जर्नल कोरोना वायरस में प्रकाशित हुआ है।

ग्राफिक एरा पर्वतीय विवि के शोधकर्ताओं की टीम ने कोविड 19



प्रो. संजय जसोला



प्रो. प्रशांत गहतोड़ी



अनूप नौटियाल



डॉ. गौरव जोशी

के स्वास्थ्य बुलेटिन से प्राप्त डेटा के विश्लेषण के बाद कुछ सुझाव दिए हैं, जिससे शोध का उपयोग भविष्य में कोविड जैसी महामारी से निपटने में किया जा सकता है।

शोध में कहा गया है कि कोविड 19 वायरस का प्रसार बढ़ाने में 20 डिग्री सेल्सियस से ऊपर का तापमान, बढ़ी हुई आर्द्रता, उच्च युवी विकिरण

भी जिम्मेदार रहा। मैदानी क्षेत्र में तीव्र धूप पड़ने से लोग धूप के संपर्क से बचते हैं, वहीं अधिक जनसंख्या घनत्व होने से अधिक संक्रामक मामले व मीते हुई।

जबकि पहाड़ी क्षेत्रों में लोग ज्यादा धूप के संपर्क में रहते थे। लोगों को भरपूर विटामिन डी मिला, इसलिए वहां कम संवेदनशील मामले आए।

बेहतर वेंटिलेशन, बेहतर धमनी ऑक्सीजन परिवहन भी बड़ी वजह रहा। शोध में राज्य के दस पर्वतीय जिले व तीन मैदानी जिले शामिल किए गए।

शोध ग्राफिक एरा पर्वतीय विवि के कुलपति प्रो. (डॉ.) संजय जसोला, विवि के स्कूल ऑफ फार्मैसी के प्रो. डॉ. प्रशांत गहतोड़ी, एसडीसी

शोधकर्ताओं ने यह अहम सुझाव दिए

शोध परिणामों में भविष्य में इस महामारी से बचाव के लिए सुबह की धूप लेने के साथ, सामाजिक दूरी, स्वास्थ्य सलाह, पलायन पर रोक, टेलीमेडिसिन का उपयोग, हेल्थ बुलेटिन, सोशल मीडिया की आम लोगों तक पहुंच जैसे सुझाव दिए गए हैं। कॉरिसपोडिंग ऑर्थर डॉ. प्रशांत गहतोड़ी के मुताबिक कोविड इलाज के लिए हर कोई देहरादून भाग रहा था, जबकि सबसे अच्छी रिकवरी दर रुद्रप्रयाग समेत अन्य पहाड़ी जिलों में रही।

फाउंडेशन के संस्थापक अनूप नौटियाल, डॉ. गौरव जोशी, डॉ. अक्षरा पांडे, डॉ. ओमदीप गुप्ता ने किया है।

पहला मामला 15 मार्च 2020 को सामने आया : राज्य में कोविड का पहला मामला 15 मार्च 2020 को दर्ज हुआ। हालांकि 11 अप्रैल से 3 मई 2020 के दौरान कोविड पर

प्रभावी नियंत्रण रहा, लेकिन 21 से 26वें सप्ताह में मामले बढ़े। कोविड की पहली लहर में देहरादून, ऊधमसिंहनगर व नैनीताल अधिक संवेदनशील थे। जबकि इसी समय पर्वतीय जिले चमोली, पौड़ी गढ़वाल व रुद्रप्रयाग में पॉजीटिव मामले 30 व 31 वें सप्ताह के बीच आए, जो कि कम संवेदनशील थे।

Target 4: Herbal Medicine/ Formulation Development

One product in Hand

Uttarakhand Himalaya's
DUAL PURPOSE **NATURAL DENTAL CARE COMPOSITION**
for extrinsic stain removal and whitening teeth
IP AVAILABLE FOR LICENSING

BEFORE USE

AFTER USE

Human Teeth



Extracted Human Teeth



Feral Goat (*Capra hircus*) Teeth



For more information, please refer to [Indian Patent No. 202211051831](#)



Goat



Extracted Human teeth



