

Brief Profile

Dr. Kapil K. Goel

BPharm MPharm PhD MRSC

Assistant Professor (Stage-2)

Branch incharge, Pharmaceutical Chemistry

Department of Pharmaceutical Sciences

गुरुकुल काँगड़ी (समविश्वविद्यालय), हरिद्वार, उत्तराखण्ड
Gurukula Kangri (Deemed to be University), Haridwar, Uttarakhand
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Registered Pharmacist: Registration Number 4593, Uttarakhand Pharmacy Council,

Qualification: B.Pharm., M.Pharm., Ph.D (Pharmaceutical Sciences)

Qualified: GATE 2002 (Pharmaceutical Sciences) with 84.62 percentile

& GATE 2003 (Pharmaceutical Sciences) with 81.07 percentile

Total Experience: 18 Years

Specialization:

Pharmaceutical Chemistry

Research Area:

Medicinal Chemistry, Synthetic and Natural Chemistry,

Anticancer, antimicrobial, anticonvulsant and CNS.

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MEMBERSHIP

1. AMERICAN CHEMICAL SOCIETY
 2. ROYAL SOCIETY OF CHEMISTRY
 3. LIFE MEMBER OF INDIAN PHARMACY GRADUATE'S ASSOCIATION
 4. LIFE MEMBER OF ASSOCIATION OF PHARMACETICAL TEACHER OF INDIA
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Publications

(Updated in Jan 2024)

- Laasya, TPS, Thapliyal, S, **Goel, KK**, Kumar, B, Poduri, R, Joshi, G. Phytochemical analysis and high-performance thin-layer chromatography guided quantification of Boeravinone B from *Boerhaavia diffusa* root extracts: Assessment of in vitro safety analysis. **Sep Sci plus**. 2023;e2300140. <https://doi.org/10.1002/sscp.202300140> (IF 1.1)
- Vikrant Mehta, Ashish Ranjan Dwivedi, Abhilash Ludhiadch, Vikas Rana, **Kapil Kumar Goel**, Prerna Uniyal, Gaurav Joshi, Asim Kumar, Bhupinder Kumar, A decade of USFDA-approved small molecules as anti-inflammatory agents: Recent trends and Commentaries on the “industrial” perspective, **European Journal of Medicinal Chemistry**, 2024, 263, 115942, ISSN 0223-5234, <https://doi.org/10.1016/j.ejmech.2023.115942>. (IF 6.7)
- Goel, K.K.; Thapliyal, S.; Kharb, R.; Joshi, G.; Negi, A.; Kumar, B. Imidazoles as Serotonin Receptor Modulators for Treatment of Depression: Structural Insights and Structure–Activity Relationship Studies. *Pharmaceutics* 2023, 15, 2208. <https://doi.org/10.3390/pharmaceutics15092208> (IF: 5.4)
- **Goel, K.K.**; Hussain, A.; Altamimi, M.A.; Rajput, S.K.; Sharma, P.P.; Kharb, R.; Mahdi, W.A.; Imam, S.S.; Alshehri, S.; Alnemer, O.A.; et al. Identification of Potential Antitubulin Agents with Anticancer Assets from a Series of Imidazo[1,2-a]quinoxaline Derivatives: In Silico and In Vitro Approaches. *Molecules* 2023, 28, 802. <https://doi.org/10.3390/molecules28020802> (IF: 4.927)
- **Goel K.K.**, Rajput S.K., Kharb R., Design, Synthesis and Biological Evaluation of Imidazole-Substituted/Fused Aryl Derivatives Targeting Tubulin Polymerization as Anticancer Agents, **SynOpen**, 2023, 7 (01), 17-28. (IF: 2.15)
- **Goel K.K.**, Rajput S.K., Prince Prashant Sharma P.P., Mukherjee M., Kharb R., Design, Synthesis and Biological Evaluation of 2-Phenylquinazolin-4-yl 4-Methylbenzenesulfonate Derivatives as Anticancer Agents via Tubulin Inhibition, **Synlett**, 2023, 34 (01), 49-56. (IF: 2.206)

- **Goel K.K.**, Rajput S. K., Kumar A., Nilay Kumar Nandi N.K., Gaurav Joshi G, Kharb R., Imidazoquinoxaline as a Privileged Fused Pharmacophore in Anticancer Drug Development: A Review of Synthetic Strategies and Medicinal Aspects, *ChemistrySelect*, 2022, 7 (37), e202200834. (IF: 2.307)
- V Srivastava, SK Verma, N Mathur, **Goel K.K.**, Ameliorative effect of Albizzia procera leaves extract against experimentally induced gastric ulcer models in Wistar albino rats, *Journal of Applied and Natural Science*, 2021, 13 (1), 308-315. (IF:0.47)
- A Kumar, V Anand, RC Dubey, **Goel K.K.**, Evaluation of antioxidant potential of alcoholic stem bark extracts of Bauhinia variegata Linn. *Journal of Applied and Natural Science*, 2019, 11 (1), 235-239. (IF:0.47)
- R Kumari, S Kumar, A Kumar, **Goel K.K.**, RC Dubey, Antibacterial, antioxidant and Immuno-modulatory properties in extracts of Barleria lupulina Lindl. *BMC complementary and alternative medicine*, 2017, 17 (1), 1-11. (IF:4.782)
- A Kumar, V Anand, RC Dubey, **Goel K.K.**, Toxicological evaluation of Bauhinia variegata Linn. for estimating the neurological, hematological and physical alterations in the albino mice, *Environment Conservation Journal*, 2016, 17 (3), 97-102.
- A Gajbhiye, **Goel K.K.**, Synthesis and anticonvulsant screening of N-aryl-2-(3-oxo-1, 4-benzothiazin-2-yl) acetamide derivative, *Int J Pharm Pharm Sci*, 2013, 5 (1), 220-22.
- AK Jangra, **Goel K.K.**, V Nautiyal, NA Jangra, Antiinflammatory Activity of Albizia Lebbek (L.) Benth. Stem Bark Extract, *Asian J. chem.*, 2012, 24 (7), 3259.
- P Singhal, R Singhal, V Kumar, **Goel K.K.**, AK Jangra, R Yadav, Transdermal Drug Delivery System: A Novel Technique To Enhance Therapeutic Efficacy And Safety Of Drugs, *Am J Pharm tech Res* 2012, 106-125
- **Goel K.K.**, P Gupta, S Patil, A Gajbhiye, N-Aryl-[(2R)-3-oxo-1, 2, 3, 4-tetrahydroquinoxalin-2-yl] acetamide as Antifungal Agents, *Asian J. chem.*, 2011, 23 (10), 4705
- V Nautiyal, A Kumar, S Thapliyal, **Goel K.K.**, Antiinflammatory Activity of Aqueous Bark Extract of Butea monosperma (Lam.) Taub. *Asian J. chem.*, 23 (9), 4219-4220
- Thapliyal S., **Goel K.K.**, Goel N., Antiinflammatory activity of Inula cuspidata leaf extract, *Asian J. chem.*, 2011, 23 (2), 943-944.
- Sharma V.K., Nautiyal V., **Goel K.K.**, Sharma A., Assessment of thermal stability of metformin hydrochloride, *Asian J. chem.*, 2010, 22 (5), 3561
- P Singhal, A Tomar, **Goel K.**, M Pandey, SA Saraf, Preparation and evaluation of stomach-specific ionotropically emulsion gelled alginate beads of tinidazole, *Der Pharmacia Lettre*, 2010, 2 (6), 272-282
- **Goel K.K. et.al.**, Synthesis and antifungal activity of N4-(piperazinoyl-methyl)-N, N-diaryl-2-(3-oxo-1, 4-benzothiazin-2-yl) acetamide, *Asian J. chem.*, 2010, 22 (7), 5303-5308.

- **Goel K.K. et.al.**, Synthesis and antimicrobial activity of piperidin-4-one derivatives, *Biomed. & Pharmacol. Journal* 2008, 1 (1), 201
- **Goel K.K. et.al.**, N-aryl-2-(3-oxo-1, 4-benzothiazin-2-yl) Acetamides as antifungal agent, *Orient. J Chem.*, 2007, 23 (3), 1013.

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Book published

- Kumar, A., Sharma P.P., **Goel K.K.**, *Textbook of Pathophysiology* published by Medtech, a division of Scientific International (Pvt) Ltd. Delhi, Total Page:270

Patent

- Solar Assisted IOT Based Automatic Vertical Medicinal Plant Cultivation of critically endangered plant *Nardostachys jatamansi.*, Patent No. 2021 103371, Australian patent, **Granted** on March 9,2022.
- SINGLE CAVITY SOAP CASE MOULD, Indian Patent. 344833-001, Class 15-09, date of registration: 16.06.2021, *The Patent Office Journal No. 27/2022* Dated, **published** on 08/07/2022, 44113
- A method to access Dihydroisooxazole using VEC and Nitrile oxide, **Indian patent**, 20221103912A, *The Patent Office Journal No. 29/2022* Dated 22/07/2022, **Published on** 22/07/2022, 45555.
- Formulation of Sustained release oral floating matrix tablet of Chlorogenic acid, **Indian patent**, 202111056271A, *The Patent Office Journal No. 50/2021* Dated 10/12/2021, **Published** on Dec 12, 2021, 59777.

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Invited talk/Resource person/Presentation

Sr. No.	Title/Subject of paper presented	Conference	Organizing Institution/ and Name of City/ Country
1.	Synthesis and anticonvulsant activity of derivatives of n-aryl-[(2r)-3-oxo-1,2,3,4-tetrahydroquinoxalin-2-yl] acetamide	National Seminar on Importance of cell lines in pharmaceutical Research in India (National/14-15 Nov, 2011)	School of Pharmaceutical Sciences, Shoolini University, Solan/India
2.	Anticonvulsant activity of N-aryl-2-(3-oxo-1,4-benzothiazin-2-yl) acetamide derivatives	International conference on Green Technology for Environmental Rehabilitation (11 th -13 feb, 2012)	Faculty of Engineering and Technology, Gurukul Kangri University, Haridwar

3.	Search for anti-epileptic seizure drugs: a big challenge	National Conference on Recent Advances in Biosciences and Drug Discovery (March 3-4, 2014)	Department of Pharmaceutical sciences, Faculty of Ayurved & Medical Sciences, Gurukul Kangri Vishwavidyalaya, Haridwar
4.	Effect of merger of two Pharma giant on the market	6 th National Conference on Business and Social Science (27 April,2014)	Faculty of management studies, Gurukul Kangri Vishwavidyalaya, Haridwar
5.	Stanozolol: a synthetic anabolic steroids , a drug banned in sports Competitions	5 th National Conference on present innovative approaches & New paradigm in physical education (29 th august,2014)	Department of Physical Education and Sports, Gurukul Kangri Vishwavidyalaya, Haridwar
6.	Lipophilicity of some N-aryl-[3,4-dihydroquinolin-2-yl] acetamide derivatives and its effect on antibacterial activity	International conference on Drug resistance, development, pharmaceutical technology and outcomes(DRDPTO-2014) (11-12 April 2014)	Chitkara college of Pharmacy, Chitkara University, Rajpura, punjab
7	Transforming Global Health	World Pharmacist Day-2020 Date: 25.09.2020	Hakikullah Chaudhary college of Pharmacy, Garighat, Manakpur, Gonda-271312
8	Generic Medicine in India	National Pharmacy week (21/11/2020)	Motherhood University, roorkee
9	Teaching Methodology in Pharmacy: Comparison	Online Faculty Development Program (FDP) on Recent Trends and Advancement in pharmaceutical Sciences (1 feb 2021 to 6 feb 2021) date: 01 Feb 2021	IIMT College of Pharmacy, Greater Noida
10	Drug repurposing: role in pandemic situation	AICTE sponsored Short term Training Programme (STTP) on Future trends in research for drug discovery & development(7-12 June 2021) Date: 10 June 2021	Columbia Institute of Pharmacy, Tekri, Raipur (Chattishgarh) sponsored by AICTE
11	Covid-19 vaccination Program-Role of Pharmacist	Lecture series 2021 Date 12.06.2021	Hakikullah Chaudhary college of Pharmacy, Garighat, Manakpur, Gonda-271312
12	Old Drugs-Newer use	Lecture Series 2021 Date: 09.12.2021	Hakikullah Chaudhary College of Pharmacy, Garighat Gonda

13	Generic Drugs vs patent Drugs	Invited Lecture Date: 18.09.2021	Bhagwati college of Pharmacy, Baraut (U.P)
14	Drug Repurposing	Invited Lecture Date: 23.06.2022	Bhagwati college of Pharmacy, Baraut (U.P)
15	Cyclocondensation reactions of and electron deactivated imidazole with mono/1,2-bis electrophiles and their Biological attributes	International conference on Modern Approaches of research in basic and Applied sciences (MARBAS-2020) Dec 4,2022	Rajkamal Sciences & management college, Haridwar (Uttarakhand)
16	Study of failure of Development of imidazole {(1,2)a} quinoxaline derivatives utilizing low molecular weight aliphatic aldehyde	International conference on role of Molecular Chemistry in drug design and development June 29-30, 2022	Amity University Noida
17	Instrumentation and Interpretation of UV spectroscopy	Online workshop on 21.10.2022	HC College of Pharmacy mankapur Gonda
18	Advances in concept of prodrug in Drug Design	Invited lecture on 08.04.2023	Hari College of Pharmacy, Saharanpur
19	Artificial intelligence in Drug Design (Talk as resource person)	Two Days national Conference on paradigm shift to artificial intelligence (AI) in emerging trends of Pharmaceutical and Nutraceutical science, 31/03/2023	Quantum university Roorkee
20	To investigate better tubulin inhibitors using e-pharmacophore approaches among three different azahetrocycles	International Conference on pharmaceutical technology, Phytopharmaceuticals and Biologicals: trends, 17-18 march 2023	Amity University, Noida,
21	Role of the Transplant Pharmacist : Management of immunosuppressive therapy	World Pharmacist Day Lecture series September 21, 2023 (Online)	HC College of Pharmacy Mankapur Gonda
22	Role of a Pharmacist as Scientist in Drug Discovery	World Pharmacist Day -2023, September 25, 2023	Bhagwati College of Pharmacy, Baraut, U.P

23	Resource person (Chairman Scientific session)	International conference (Pharmacon-2023) on Advancement in Pharmaceutical innovation: exploring benefits and opportunities, Dec 2, 2023	Swami Vivekanand Subharti University, Meerut
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Orientation/refresher/FDP attended

Name of the Course	Place	Duration	Name of Academic Staff College/HRDC	Sponsoring Agency
UGC Sponsored Online Refresher Course in International Studies (ID)	UGC Human resource Development Centre, Jamia Millia Islamia New Delhi	06-19 Sep 2023	UGC Human resource Development Centre, Jamia Millia Islamia New Delhi	UGC Sponsored
Two weeks Online Faculty Development Programme on “ Teaching learning & Research prospective In HEIs”	IEC University Himachal pradesh	June 28- July 7 th , 2021	IEC University	IEC University
14 Ddays Online Faculty development proramme on “ research methodology and data analytics”	Uttaranchal university, Dehradun (NAAC A+ accredited)	July 13-26, 2021	Uttaranchal university, Dehradun (NAAC A+ accredited)	Uttaranchal university, Dehradun (NAAC A+ accredited)
One week online Faculty development programme on “Contemporary Drug Formulation & Development trends: Natural & synthetics”	Uttaranchal university, Dehradun (NAAC A+ accredited)	May 16-22, 2022	Uttaranchal university, Dehradun (NAAC A+ accredited)	Uttaranchal university, Dehradun (NAAC A+ accredited)
FDP on Research methodology (Online)	Graphic Era Hill University, Bhimtal Campus, Bhimtal, Nainital	April 21-27, 2022	Graphic Era Hill University, Bhimtal Campus, Bhimtal, Nainital	Graphic Era Hill University, Bhimtal Campus, Bhimtal, Nainital
Refresher course in professional Courses (ID)	UGC-HRDC Punjabi University Patiala (India)	May 04-23, 2025	UGC-HRDC Punjabi University Patiala (India)	UGC

Orientation Course	UGC-HRDC (Then ASC) GND University Amritsar (India)	Feb 27- March 26, 2013	UGC-HRDC (Then ASC) GND University Amritsar (India)	UGC
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Awards/honours

S. No.	Name of the award	Awarding agency	Date of award	Nature of the award International/National/State
1.	Utkarsh Sikhshak Samman	Gurukul Kangri Deemed to be University, Haridwar	25 Sep 2022	University level
2.	Excellence in Academic and research	International conference on Modern Approaches of research in basic and Applied sciences (MARBAS-2020)Dec 4,2021	Dec 4, 2021	State level
3.	Prof Debjit Bhowmik Memorial Pharma award	National Pharma Summit 2023	Nov 26, 2023	National level

Dr. Kapil Kumar Goel