

## RESUME

	All	Since 2020	
<b>Dr. TIRATH KUMAR</b>			
Associate Professor	<u>Citations</u>	362	202
Department of Pharmaceutical Sciences	<u>h-index</u>	10	7
Kumaun University, Bhimtal campus, Bhimtal, Distt. Nainital (Uttarakhand) E-mail: tirath.kamboj@gmail.com Mobile: 9412124396, 9719127333	<u>i10-index</u>	10	5

## ACADEMIC EXPERIENCES

- Working as Associate Professor in Department of Pharmaceutical Sciences, Kumaun University Nainital since March 2021.
- Worked as Assistant Professor in Department of Pharmaceutical Sciences Kumaun University Nainital since November 2008 to March 2021
- Worked as a Lecturer (senior scale) in Department of Pharmacy, IFTM, Moradabad, Uttar Pradesh, from December 2005 to November 2008
- Worked as a Lecturer in Department of Pharmacy, Kumaun University, Bhimtal, Nainital, Uttaranchal from August 2005 to December 2005.

## DOCTORAL RESEARCH

**Ph. D.** : Shobhit University, Meerut  
(Feb, 2012)  
**Title of Research Work** : Randomized Control and Double Blind  
Cross-over study to clinically assess the  
Rasayana effect of a standardized extract of  
*Brahmi (Bacopa monniera)* in adult human  
volunteers”  
**Specialization** : **Pharmaceutical Sciences (Pharmacology)**

## PROFESSIONAL QUALIFICATIONS

**Master of Pharmacy** : Annamalai University, Chidambaram.  
(2003 – 2005) Tamilnadu.  
C.G.P.A 7.88

**Specialization** : **Pharmacology**  
Project undertaken : "Pharmacological Screening of anticancer activity of  
*pinus roxburghii* by using swiss albino mice”

**Bachelor of Pharmacy** : M.J.P Rohilkhand University, Bareilly  
(1999-2003) (U.P)  
D.G.P.A : 7.76

## PROJECTS

S. No.	Title of Project	Funding agency	Amount (Rs)	Year (From-To)
1	(a) Randomized Control Double Blind Study to Clinically Assess the Effect of Brahmi ( <i>bacopa monniera</i> ), in Postmenopausal Women.  (b) Randomized Control Double Blind Study to Clinically Assess the Effect of standardized extract of Brahmi ( <i>bacopa monniera</i> ), in Sciatica Pain.	Lumen Research Foundation Chennai	Rs 87,371	2010
2	Randomized Control and Double Blind Cross-over study to clinically assess the Rasayana effect of a standardized extract of Brahmi ( <i>Bacopa monniera</i> ) in adult human volunteers.	Lumen Research Foundation Chennai	Rs 200000.	2008

## CANDIDATES WORKING FOR PH.D AWARD

03 Candidate awarded with PhD

04- Candidates working in Kumaun University Nainital.

## PROJECTS GUIDED

M. Pharm. Students- 55

## PATENT

02

## PAPERS PUBLICATIONS

- Tirath Kumar, M Rastogi, V Kaur, Antihyperlipidemic Activity of Leaves of *Malvaviscus arboreus* Dil.Ex.cav in High-fat Diet (HFD) Induce Hyperlipidemia in Wistar Rats. **Current Bioactive Compounds** . 2025 21 (5)
- Tirath Kumar, Govind Raj Pal, Rajeshwar K.K. Arya, Sumit Durgapal, Investigation of anti-cataract potential and irritancy of *Dcliptera paniculata* in diabetic -cataract: an Ex Vivo and In vivo study. **International Journal of zoological investigations**. 2024 10(1) 383-392
- Tirath Kumar, Komal Chandra, Preetam Kumar, Deepa Arya, Nutraceuticals Role In Management Of Urolithiasis. <http://ymerdigital.com>. 2024, 23(03) 340-354

- Tirath Kumar, Kajal Gurow, Anjul Pant, Pharmacological activity of *Trigonella foenum Greaceum*, *Pterocarpus Marsupium*, *Gymnema sylvestre*: an exhaustive review on antidiabetic Potential, **International journal of research and analytical reviews**. 2024 11(1) 1-18
- Tirath Kumar, Anchal Arya, Arun Kumar, Virender Kaur, Polyherbal formulation mediated inhibition of crystal nucleation and aggregation: An experimental study on ethylene glycol induced Urolithiasis in wistar rats. **European Journal of Biomedical and Pharmaceutical sciences**. 2024 11(3) 155-161
- Depak Janoti, Tirath Kumar, Kumud Upadhyaya, Evaluation of Antioxidant assay in hydroalcoholic extract and its fraction with HPLC-DAD screening and quantification of analytical marker compounds in *pipper long um* fruit. **European Chemical Bulletin**. 2023,12(10) 12565-12578
- Tirath Kumar, Rashmi, virender Kaur, Komal Chandra, Evaluation of Anti-Urolithiatic activity of *Rumex hastatus* D.Don in wistar rats **International journal of Pharmaceutical and Biological Sciences Archive** 2023, 11(4) 23-24.
- Tirath Kumar, Rashmi, Kirti Roy, Pharmacological evaluation of baubinia Acuminata leaf extract for antipyretic and wound healing activity. **International journal of Pharmaceutical and Biological Sciences Archive**. 2023 11(4) 1-11.
- Tirath Kumar, Babul Kumari, Dhananjay Kumar, Hepatoprotective potential of phytoconstituents and vitamins against anti-tubercular drug induced hepatotoxicity in albino rats, **Current Drug Therapy**. 2023 18 (3) 237-246
- Tirath Kumar, Geetika Pant, Virender Kaur and Priyanka Gauniya, "In-vivo Diuretic activity of ethanolic extract of the leaves of *Ficus auriculata* lour." **http://ymerdigital.com** 2023; 22: (1) 853-865.
- Tirath Kumar, Deepak Chandra Joshi, Nirmal Joshi and Harshita "To Evaluate Preliminary Pharmacological Screening of Plant Extract of *Ficus auriculata* Lour for Anti-ulcer activity" **Journal of Advances in Medicine and Medical Research**. 2022, 34(22): 206-213,
- Tirath Kumar, Priyanka Gauniya, Virender Kaur and Geetika Pant. "Evaluation of the combined effect of L-Arginine and Honey extracted Polyphenols for wound healing activity in Wistar rats, in vitro anti-inflammatory and antioxidant activity." **http://ymerdigital.com** 2022; 21(11) 2220-2238
- Tirath Kumar, Komal Chandra, Preetam Kumar, Virender Kaur and Yatindra Kumar. "Evaluation of Antiobesity Activity of *Bryophyllum pinnatum* (Lam) Oken Leaves Extract in Cafeteria Diet Induced Obesity in Rats". **Asian Pacific Journal of Health Sciences**. 2021;8(3):194-200.
- Tirath Kumar, Himani Bajaj, Vinod Singh, Ranjit Singh, Fabrication and Evaluation of Chitosan-Based Film Forming Gel of Aceclofenac for Transdermal Drug Delivery." **Indian Drugs**. 2021: 58(06)
- Tirath Kumar, Himani Bajaj, Vinod Singh, Ranjit Singh, "Preparation and Characterization of Aceclofenac-Loaded Amphiphilic gels for Transdermal Drug Delivery" **Research J. Pharm. and Tech**. 2021; 14(3):1298-1304.
- Kumar T Bajaj H, Singh V, Singh R, "Film Forming Systems: An Emerging Platform for Drug Delivery". **International Journal of Biology, Pharmacy and Allied Sciences**, 2020, 9(5) 1068-1077.
- Tirath Kumar, Himani Bajaj, Vinod Singh, Ranjit Singh, "Evaluation of Antiarthritic Activity of Aceclofenac Amphiphilic gels Against Freund's Complete Adjuvant Induced Arthritis in Rats." **International Journal of Pharmaceutical Research**. 2020 (1) 1861-1865.
- Tirath Kumar, Babul Kumari, "Hepatoprotective Effect of *Zingiber Officinale* Roscoe against Anti-Tubercular Drug-Induced Liver Toxicity in Albino Rats", **Journal of Global Pharma Technology**, 2019, 11(11) 01-06

- Babul Kumari, Tirath Kumar, "Hepatoprotective Effect of Vitamin C and E on Antitubercular Drugs Induced Hepatotoxicity in Albino Rats". **Journal of Global Pharma Technology**. 2018; 10(08):12-18
- Tirath Kumar, Harikesh Maurya, "Pharmacological Potential of Polyherbal Combination for the Treatment of Glomerulonephritis in Albino Rats." **International Journal of Pharmaceutical Sciences and Research**. 2019 10(11), 4889-4898.
- Tirath Kumar, Harikesh Maurya, "Formulation, Standardization, and Evaluation of Polyherbal Dispersible Tablet "International **Journal of Applied Pharmaceutics** 2019 (1), 1 158-166,
- Tirath Kumar, Harikesh Maurya, Sunil Kumar, "Pharmacological Potential of Polyherbal Root Extracts Combination for the Management of Nephrotic Disorders in Rats" **Archives of Nephrology** 2018 (1 ) 11 . 19-27
- Tirath Kumar, Harikesh Maurya, "Clinical Exploration of Medicines used in the Patient with Nephrotic Disorders and its Consequence on Endocrine Function "Archives **of Nephrology** 2018 (1) 11 41-50.
- Tirath Kumar, Harikesh Maurya, and Sunil Kumar "Anatomical and Physiological similarities of Kidney in different Experimental Animals Used for Basic Studies" **Journal of Clinical & Experimental Nephrology** 2018 (3) 2-6.
- Pankaj Lohumi, Tirath Kumar, Lipi Nogai "Evaluation of Ethanolic Root Extract of *Parthenium Hysterophorus* Linn For Antioxidant and Anti-Inflammatory Activity" **International Journal of Current Pharmaceutical Research** 2017,(9) 5,
- Harikesh Maurya and Tirath Kumar "Clinical Assessment of Drugs used in Nephrotic Syndrome " **Annals of Pharmacology and Pharmaceutics**. 2017, 2-4-1026.
- Harikesh Maurya, Tirath Kumar "Formulation, Characterization and Pharmacological Evaluation of Anti-Inflammatory Polyphyto matrix tablet as a novel drug delivery system" **Indian Journal of Pharmaceutical and Biological Research (IJPBR)** 2016; 4(3):50-57
- Harikesh Maurya, Tirath Kumar "A Comprehensive Overview In The Management Of Nephrotic Disorders " **Journal of Critical Reviews** 2016 3, ( 2)
- Tirath Kumar, Harikesh Maurya, "Antinephrotic potential of CATCAB-50 in CCL4 induced glomerulonephritic animal", **International Journal of Pharmaceutical and Medicinal Research**, 2016; 4(2):324-328
- Tirath Kumar, Himani Bajaj, Vinod Singh, "Film Forming Gels: A Review", **Research Journal of Pharmaceutical, Biological and Chemical Sciences**, 2016; 7(4):2085-91.
- **Tirath Kumar**, Manika Kala, HK Singh, "Effect of Bacosides Enriched Standardized Extract of *Bacopa Monniera* (Beseb-Cdri-08) on Lipid Profile and Blood Pressure of Postmenopausal Women: A Pilot Study", **The Pharma Innovation Journal**, 2015; 4(1): 91-95
- Harikesh Maurya, Sanjay Gandhi, Prashant Kumar, **Tirath Kumar**, "Nephroprotective Potential of *Curcuma Caesia* Roxb, In Animal Model". **International Journal of Bioassays**, 2014, 3 (10):3336-3341.
- **Tirath Kumar**, Himanshu Pal, Himani Karki, "In Vitro Antioxidant and Renoprotective Potential of Methanolic Extracts of *Verbascum Thapsus* Leaf in Rats". **Der Pharmacia Sinica**, 2013; 4 (2): 14-23.

- **Tirath Kumar**, Balbir Singh, Aditya Godiyal “Impact of Thiopurines S-Methyl Transferase Gene (Tpm1) Polymorphism on Thiopurine Drug Metabolism: A Way To Individualized Therapy”. **Journal of Pharma Research**, 2013; 2(5).
- **Tirath Kumar**, Ravindra Kumar, Virender Kamboj, Harish Chander “Pharmacological Evaluation of Ethanolic Extract of *Kigelia Pinnata* Fruit Against Ethylene Glycol Induced Urolithiasis In Rats”. **Asian Journal of Plant Science and Research**, 2012, 2 (1):63-72.
- **Tirath Kumar** Parmar Namita, Rawat Mukesh, “Evaluation of Anti-Inflammatory Potential of *Kigelia Pinnata* Leaf Extract in Wistar Rats”. **Asian Journal of Pharmaceutical and Clinical Research**. 2012, 95-97, 1 (5).
- **Tirath Kumar**, Parmar Namita, Rawat Mukesh, “Evaluation of Analgesic Potential of *Kigelia Pinnata* Leaf Extract in Wistar Rats”. **International Research Journal of Pharmacy**, 2011, 2 (10), 87-89.
- **Tirath Kumar**, Virender Kaur, Khim Bora S., “Pharmacological Evaluation of *Zanthoxylum Armatum* Root Extract on Analgesic and Anti-Inflammatory Activity”. **Journal of Pharmacy Research** 2011,4(8),
- **Tirath Kumar**, Mukesh Srivastav, A.K. Wahi, H.K. Singh, Ranjit Singh. “Randomized Control, Double Blind Cross-Over Study to Clinically Assess The Rasayana Effect of A Standardized Extract of Brahmi (*Bacopa Monniera*) In Adult Human Volunteers”. **International Journal of Pharmacy and Pharmaceutical Sciences** 2011, 3-4. 2
- **Tirath Kumar**, Mukesh Srivastav , A.K. Wahi, H.K. Singh, Ranjit Singh, “Randomized Control Double Blind Crossover Study to Clinically Assess The Effect of Brahmi(*Bacopa Monniera*) on Quality of Life In Human Volunteers”. **Journal of Pharmacy Research** 2011,4 (4),1213-1215.
- **Tirath Kumar**, Manika Kala, Hemant Singh, Vikash Dauliya. ”Randomized Control Double Blind Study to Clinically Asses the Effect of Brahmi(*Bacopa Monniera*) on Sleep, Lethargy and Night Sweats of Post Menopausal Women”. **Journal of Pharmacy Research** 2011,4 (2).
- Archana N. Sah, Amit Joshi, Vijay Juyal, **Tirath Kumar**. “Antidiabetic and Hypolipidemic Activity of *Citrus Medica* Linn. Seed Extract in Streptozotocin Induced Diabetic Rat”. **Pharmacognosy Journal**, 2011, 3 23. 80-84.
- **Tirath Kumar**, Ranjit Singh, A.K. Wahi , H.K. Singh, “Open Clinical Trial to Asses the Effect of *Bacopa Monniera* on Stress Related Problem in Human Volunteers”. **The Pharma Research**, A Journal, (2010), 4; 177-182.
- Sharma K, Singh A, **Kamboj T.** and hashim S.R. “Synthesis and Anti-Inflammatory Activity of N-(Substituted) Benzylidene and Benzyl P- Aminobenzoic Acids”. **Indian Drugs**. 2009 807. 46 (10).
- Arjun Patra, S Jha, P. N. Murthy, S. Sampathy, **Tirath Kumar**, “Preliminary Phytochemical Screening and Antipyretic Activity of Leaf and Root Of *Hygrophila Spinosa* t. Anders”, **Pharmacologyonline** 1: 449-453 (2009).
- D.C.P Singh, Arjun patra, **Tirath Kumar**, Sarita kumari. “Antiinflammatory Activity of *Withania Coagulans* Dunal Fruits”, **Pharmacologyonline** 1: 125-127 (2009).

- Pronobesh Chattopadhyay, Navneet Verma, Anurag Verma, **Tirath Kamboj**, Najam Ali Khan and Arun Kumar Wahi, “L-Arginine Protects from Pringle Manoeuvre of Ischemia-Reperfusion Induced Liver Injury” **Biol. Pharm. Bull.** 31 (5) 890-892 (2008)

## BOOK CHAPTER

Health Implications of Nano plastics: A Comprehensive Study with AI-Driven Solutions	P <b>Kumar</b> , K Chandra, D Arya, T <b>Kumar</b>	(ICOFE-2024)	2024	SSRN: <a href="https://ssrn.com/abstract=5091235">https://ssrn.com/abstract=5091235</a>
Antimicrobial Properties of Herbal Nutraceuticals	K Chandra, S Kumar, V Kaur, T Kumar	Herbals as Nutraceuticals	2024	ISBN No 9781003488392
Anti-oxidant Potential of Curcumin in Sepsis: Pharmacological screening of curcumin on survival of septic animals and oxidative stress within the vital organs	Harikesh Maurya, <b>Tirath Kumar</b> , Sanjay Gandhi	Lambert Academic Publishing, GmbH & Co. KG, Germany.	2016	ISBN No 978-3-659-86496-4
Basics Of Rheumatoid Arthritis	Himani Bajaj, Vinod  Singh, Tirathkumar	Lambert Academic Publishing, GmbH & Co. KG, Germany	2016	ISBN No 978-3-659-89941-6

## UNIVERSITY DUTIES

- 2006 Onwards - Appointed as evaluator of copies of end semester theory and practical examinations by UP technical University Lucknow.
- 2008 onwards- Appointed as evaluator of copies of end semester practical examinations by UK Technical University Deharadun, MJP. Rohilkhand University and Kumaun University, Nainital.

## ACADEMIC/ADMINISTRATIVE POSITIONS HELD

- Warden Babu Jaggivan Ram Boys Hostel Bhimtal, from December 2018 to till date.
- Member Secretary Animal House Facilities from 2009 to till date,
  
- Nominee of Committee for the Control and Supervision of Experimental Animals (CPCSEA) from 2017 onwards.

### **PERSONAL DETAILS**

Father's Name : Mr. B. C. Kamboj  
Sex : Male  
Marital Status : Married  
Nationality : Indian  
Religion : Sikh  
Languages known : English, Hindi & Punjabi

### **DECLARATION**

I hereby declare that all the above-mentioned facts are true to the best of my knowledge and belief.

Date: 04-07-25  
Place: Nainital

**Dr. Tirath Kumar**