

1. **Name:** Dr. Ajay Kumar Sharma

2. **Qualification:** M. Pharm., Ph. D. (Pharmaceutical Science)

3. **Fellowships:**

- Recipient of **DHR-Fellowship** of Ministry of Health and Family Welfare, ICMR, New Delhi.
- Recipient of Senior Research Fellowship (**ICMR-SRF**) from Indian Council of Medical Research, New Delhi.
- Recipient of Junior Research fellowship (**UGC-JRF**) from University Grant Commission (U.G.C.), New Delhi.



4. **Date of Joining:** 21-08-2008 (GSVM, Medical College, Kanpur)

5. **Date of Birth:** 25-02-1977 **Gender:** Male

6. **Designation Department:** Assistant Professor (Pharmacy)

7. **Specialization:** Pharmacognosy & Phytochemistry

8. **Area of Interest:**

- Standardization and Pharmacological screening of Herbal Drugs and their Formulations.
- Isolation and Characterization of New Chemical Entities (NCE) using Modern techniques like HPLC, HPTLC, FT-IR.
- Clinical Study of New active molecule for Antidiabetic and Anti -atherosclerotic effect.

9. **OPD days:** NA

10. **OPD Room No:** NA

11. **Super specialty Clinic:** NA

12. **Super specialty Clinic days:** NA

13. **Awards:**

- Qualified Graduate Aptitude Test for Engineering (GATE).
- Secured 2nd position in order of Merit in University, during M. Pharm.
- Ph.D. awarded on topic entitled "Evaluation of some Herbal Drugs for Hypolipidemic activity & their Standardization" in Department of Pharmaceutical Sciences, Dr. H. S. Gour University, Sagar (M.P.).
- Got First Prize on Research Paper presentation in APTI- 13th National Convention-2008, Bilaspur.
- Received Prize for oral presentation in World Ayurved Congress-2008 in Jaipur.
- Recipient of Best Presentation Award for oral presentation in Department of Pharmaceutical Sciences at Jadavpur University, Kolkata.

14. Achievements:

a. Publication (Index/Peer reviewed):

Sl. No.	Title of Article	Journal	Year/Month
1.	Hypolipidemic activity of <i>Murraya koenigii</i> L. in rats	Indian Drugs	45(5), 401-406, 2008
2.	Novel semicarbazones based 2,5-disubstituted-1,3,4-oxadiazoles: One more step towards establishing four binding site pharmacophoric model hypothesis for anticonvulsant activity	Bioorganic & Medicinal Chemistry Letters	20, 4168–4172, 2010. (Elsevier Science Impact Factor-2.531).
3.	Clinical Trials in India: A Scientific Approach for New Drug Development,	Current Research in Pharmaceutical Sciences	2013; 01: 01-06.
4.	Evaluation of traditional formulation for laxative activity in mice,	International Journal of BioSciences and Technology	(2013), Volume 6, Issue 3, 14 – 16.
5.	Evaluation of Traditional Formulation for Anti-pyretic Activity in Milk Induce Pyrexia Model of Rabbits	Current Research in Pharmaceutical Sciences	2013; 01: 32-34.
6.	Preclinical studies of hepatoprotective and anti-hyperlipidemic potential of ayurvedic drug <i>Achyranthus aspera</i> husk and its crude saponins in experiment	AYU	(In Press).
7.	Protective Role of <i>Achyranthes aspera</i> seed L. Extract and its Isolated Crude Saponins on Liver and Aorta of Hyperlipidemic Rats: A Morphological and Biochemical study	Indian Journal of Experimental Biology	((EB-958)/13) (Revised Communicated).
8.	Development of structure activity correlation model on 4-Quinolones derivatives as tubulin polymerization inhibitors: rationale to advance the understanding of structure activity profile	Arabian Journal of Chemistry (impact Factor: 2.26)	Ms. Ref. No.: ARABJC-D-13-00839. (Revised Communicated)
9.	Anti-atherosclerotic and	Pharmaceutical	(Revised

	hypoglycemic potential of <i>Murraya koenigii</i> seeds and its crude sapogenins in experimental rats	Biology	Communicated) NPHB-2013-1061
10.	Anti-ulcer property of shark liver oil on water immersion restraint stress induced gastric ulcer in rats	Indian Journal of Experimental Biology	(EB-851)/13)(Communicated).
11.	Development of structure activity correlation model using 3D-QSAR, pharmacophore modeling and docking studies on thiophene based combretastatins A-4 derivatives as antitumor agent	Arabian Journal of Chemistry	Ms. Ref. No.: ARABJC-S-13- 01493 (Revised Communicated).
12.	Standardization of Herbal Drugs: Need of the Day for Global Competition	Journal of Analytical Methods in Chemistry	(Communicated) Ms. Ref. No.: 101676
13.	Compound specific extraction of camptothecin from <i>Nothapodytes nimmoniana</i> and piperine from <i>Piper nigrum</i> using Accelerated Solvent Extractor (ASE)	Journal of Analytical Methods in Chemistry	(Revised Communicated)
14.	Modified UFLC-PDA method for determination of tobacco-specific nitrosamines	Journal of Chemistry	(Revised Communicated Research Article 252143)
15.	Safety evaluation of <i>Plumbago zeylanica</i> petroleum ether, acetone and hydroalcoholic extracts in Wistar rats	Journal of Ethnopharmacology	(JEP-D-13- 01954) (Revised Communicated)

b. Publication (Non indexed):

Sl. No.	Title of Article	Journal /Conference Proceedings	Year/Month
1.	Role of Botanicals in Health Care form Ancient times to Modern era.	National seminar on changing environment: Present Scenario and its Conservation	2011, 87-94 (Proceeding of National Seminar)
2.	Clinical Trials in India: A Scientific Approach for New Drug Discovery	Multifaceted Scope of Chemistry & Human Welfare	2011, 9-15 (Proceeding of National Seminar)

c. **Books/Book Chapters:** Nil

d. **Invited oral Presentations:**

Sl. No.	Title	Title of Conference/seminar	Year of Publication	Publisher
1.	Hypolipidemic activity of <i>Murraya koenigii</i> L. in rats	Recent emerging trends in Plant Sciences	2004	
2.	Modern Trends In Quality Control & Herbal Drug Standardization	I. R. D.T. (Technical Education Department), U.P., Kanpur	2009	
3.	Nanomedicine- Advanced Technique in New Drug Delivery System (NDDS) based on Nanotechnology	1st Annual Conference of Society of Professional Biotechnologists, SPB	2009	
4.	Clinical Trials in India: A Scientific Approach for New Drug Discovery	UGC sponsored National Seminar at Department of Chemistry, D.B.S., College, Kanpur	2011	
5.	Role of Botanicals in Health Care form Ancient times to Modern era	National seminar on Changing environment: Present Scenario and its Conservation	2011	
6.	Various Methods For Extraction of Bioactive Molecules From Natural Sources	International Conference on Bioactive Natural Compounds from Plant Food in Nutrition and Health (ICBPN 2012) at Kottayam, Kerala	2012	

e. **Research Presentations (Oral):**

National: 3

International: 2

Sl. No.	Title of the Paper	Title of Conference/seminar volume	Year of Publication	Publisher
---------	--------------------	------------------------------------	---------------------	-----------

1.	Anti-atherosclerotic potential of Ayurvedic drug <i>Achyranthus aspera</i> seeds and its crude saponins in experimental rats	World Ayurveda Congress	2008	International
2.	Nanomedicine-Advanced Technique in New Drug Delivery System (NDDS) based on Nanotechnology	1st Annual Conference of Society of Professional Biotechnologists, SPB	2009	National
3.	Preclinical Studies of Anti-atherosclerotic and Anti-diabetic potential of Ayurvedic drug <i>Murraya koenigii</i> Linn. seeds and its isolated crude sapogenins in experimental rats	World Ayurveda Congress	2010	International
4.	Effective Role Of <i>Achyranthus Aspera</i> Seed L.Extract And Its Isolated Crude Saponins On Liver And Aorta Of Cholesterol Treated Rats	National seminar on Herbal Drug Technology: Perspective and Prospectives sponsored by Indian Pharmaceutical Association and Indian Society of Pharmacognosy at Allahabad	2012	National
5.	Determination of N-nitrosornicotine (NNN) and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) by UFLC-PDA method	National conference on "Challenges in Drug Development & Research- A proactive Approach at United Institute of Pharmacy, Allahabad	2013	National

f. Research Presentations (Poster):

National: 11

International: 3

Sl. No.	Title	Title of Conference/seminar	Year of Publication	Publisher
---------	-------	-----------------------------	---------------------	-----------

		volume		
1.	Analgesic activity of <i>Elaeodendron glaucaum</i> in albino rats	APTI- National Convention-2006, in Bangalore	2006	
2.	Doubleblind, Placebo controlled randomized controlled clinical study of the Ayurvedic formulation in case of Arthritis	World Ayurveda Congress-2008, in Jaipur	2008	
3.	Anti-atherosclerotic potential of Ayurvedic drug <i>Achyranthus aspera</i> seeds and its crude saponins in experimental rats	World Ayurveda Congress-2008, in Jaipur	2008	
4.	Protective role of <i>Achyranthus aspera</i> seed L.extract and its isolated crude saponins on liver and aorta of hyperlipidemic rats	APTI- 13 th National Convention-2008, in 3-4 October, Bilaspur	2008	
5.	Membrane moderated systems of Flurbiprofen using xanthan gum as reservoir matrix	APTI- 13 th National Convention-2008, in 3-4 October, Bilaspur	2008	
6.	Antidiabetic potential of alcoholic and aqueous extract of <i>Ficus racemosa</i> Linn. bark in normal and alloxan induced diabetic rats.	APTI- 13 th National Convention-2008, in 3-4 October, Bilaspur	2008	
7.	Anti-Atherosclerotic And Hypoglycaemic Potential Of <i>Murraya Koenigii</i> Seeds And Its Isolated Sapogenins In Experimental Rats	13 th National Convention of Indian Society of Pharmacognosy-2009, in 7-8 February, Bhopal, 2009	2009	
8.	Hepatoprotective and Hypolipidemic potential of <i>Murraya koenigii</i> leaves and its isolated sapogenin in hyperlipidemic rats	APTI- 14 th National Convention-2009, held in 3-4 October, Jodhpur, 2009	2009	
9.	Wound healing potential of Ethanolic extract of <i>Ficus benghalensis</i> Linn.	APTI- 14 th National Convention-2009, held in 3-4 October,	2009	

	Leaves in rats	Jodhpur, 2009		
10.	Nanomedicine-Advanced Technique in New Drug Delivery System (NDDS) based on Nanotechnology	1st Annual Conference of Society of Professional Biotechnologists, SPB- 2009	2009	
11.	Anti-atherosclerotic effect of ayurvedic drug <i>Achyranthus aspera</i> seed L.extract and its isolated crude saponins on liver and aorta of hyperlipidemic rats	4th International Symposium on current trends in drug discovery research, CTDDR-2010	2010	
12.	Synthesis and Antimicrobial activity of some novel oxadiazole and Related Analogues	National Seminar on Current Challenges of Pharmacy Education & Research-2011, held in Lucknow, 16 Apr-2011	2011	
13.	Preclinical studies of Anti-diabetic potential of Ayurvedic drug <i>Achyranthus aspera</i> in experimental hyperlipidemic rats	National Seminar on Current Challenges of Pharmacy Education & Research-2011, held in Lucknow, 16 Apr-2011	2011	
14.	Effective Role of <i>Achyranthus aspera</i> seed L. extract and its isolated saponins on liver and aorta of cholesterol treated rats	16th National Convention-2012 and International symposium on Herbal and traditional Medicine at Department of Pharmaceutical Sciences, Saurashtra University Rajkot, India	2012	

g. Others...

- Reviewer of International Journal of Pharmaceutical Research, Indian Journal of Natural Products and Resources (IJNPR) [Formerly Natural Product Radiance (NPR)], Pharmaceutical Biology, Journal of Pharmacy Research (Elsevier Science), Pharmaceutical Research (Informa Health care), Scientia Pharmaceutica.

- Member of **Editorial board of Journal of Current Pharmaceutical Research.**
- Invited as Chairperson in National Seminar on “Current Trends in Herbal Healthcare” **sponsored by Dept. of Higher Education, Govt. of Uttar Pradesh** at C.S.J.M, University, Kanpur in **March 2011 .**

15. Research Work...

a. Research guidance: **Awarded** **Ongoing**

Submitted

- Research project completed during M. Pharm. on “**Investigations on Hypolipidemic Potential of *Murraya koenigii* Linn.**” Fellowship provided by University Grant Commission, New Delhi.
- Research project on “**Reviews on Indian Medicinal Plants**” sponsored by ICMR, at Medicinal Plant Unit Division, ICMR, New Delhi. Fellowship provided by Indian Council of Medical Research, New Delhi.
- Research Project on “**Standardization of Herbal Formulation and their Toxicity Studies**” at Indian Institute of Integrative Medicine (Formerly Regional Research Laboratory), Jammu, in Pharmacology Division.
- **Evaluation of some Herbal Drugs for Hypolipidemic activity & their Standardization**” in Department of Pharmaceutical Sciences, Dr. H. S. Gour University, Sagar (M.P.).

b. Ongoing Thesis: Nil

16. Other ongoing projects: Nil

17. Grants received: Nil

18. Other corporate responsibilities

a. In GSVM:

- Officer in charge Research Activities assigned by Head, Department of Pharmacy, G.S.V.M., Medical College, Kanpur.
- Assistant Warden, Pharmacy Hostel, G.S.V.M., Medical College, Kanpur.
- Involved in the responsibilities assigned by Principal as well as Head, Department of Pharmacy, G.S.V.M., Medical College, Kanpur from time to time.

b. In other societies:

- Life Member, Association of Pharmaceutical Teachers of India (APTI) [UP/LM-331].
- Life Member, Indian Pharmacy Graduate Association (IPGA) [LM-4102].
- Life Member, Indian Society of Pharmacognosy, (ISP) India [ISP/LM-UP/S-143].
- Life Member, Indian Hospital Pharmacist Association (IHPA), India.

- Life Member, Indian Pharmaceutical Association, (IPA) Bombay, [UP/KAN/LM/0039]

19. **Community Services:**

- Vice-President of The Indian Hospital Pharmacist Association (I.H.P.A.), Kanpur branch.

20. **Social Services:** Actively involved in the development and Awareness of society by Educational program.

21. **Previous Appointments:**

August 2011 to till date:	Assistant Professor , Department of Pharmacy, G.S.V.M., Medical College, Kanpur (U.P.), India
August 2008 to July 2011:	Lecturer , Department of Pharmacy, G.S.V.M., Medical College, Kanpur (U.P.), India
August 2007-August 2008:	Lecturer in Institute of Pharmacy, C.S.J.M., University, Kanpur, (U.P), India.
Jan 2007-August 2007:	Senior Research Fellow (Project Assistant) in Indian Institute of Integrative Medicine (IIIM), Formerly Regional Research Laboratory, Jammu, India on <u>Standardization of Herbal Formulation and their Toxicity Studies</u> in Pharmacology Division.
20/12/2005-15/05/2006:	Lecturer in Department of Pharmaceutical Sciences, Dr. Harisingh Gour Vishwavidyalaya, Sagar M.P.
21/10/2006-31/12/2006:	Lecturer in Department of Pharmaceutical Sciences, Dr. Harisingh Gour Vishwavidyalaya, Sagar M.P.
10/08/2005-15/12/2005:	Senior Research Fellow (SRF) Medicinal Plant Unit , Division of Indian Council of Medical Research, New Delhi, India With Dr. A.K. Gupta, Dy. Director (Sr. Gr.) & Chief MPU Division, ICMR, New Delhi, on <u>Quality control & Standardization of Herbal Drugs.</u>
02/08/2004-03/03/2005:	Lecturer in Institute of Pharmacy, C.S.J.M., University, Kanpur (U.P), India.

23/01/2004-30/07/2004: **Lecturer** in Department of Pharmacy Babu Banarasi Das, National Institute of Technology and Management, Lucknow, (U.P.), India

22. **E-Mail:** aksharmaknp@gmail.com

23. **Website:**

24. **Phone/Mobile:** +919450634518

25. **Fax:** Nil

26. **Address for communications:**

Dr. Ajay Kumar Sharma, Assistant Professor,
Department of Pharmacy, G.S.V.M., Medical College, Kanpur
(U.P.), India