



**DR Y. K. GUPTA**

Name in Full: Yogendra Kumar Gupta

Date and Place of birth: 4<sup>th</sup> April, 1953, Shikohabad, U.P.

Address: CI /16 AIIMS (East Campus)  
Ansari Nagar, New Delhi – 110 029.

Nationality: Indian

Field of specialization : Pharmacology

- Neuropharmacology
- Clinical Pharmacology & Drug Development
- Toxicology & Regulatory Pharmacology

Present Designation Professor & Head, Department of Pharmacology  
Chief Spokesperson, All India Institute of Medical Sciences, New Delhi.  
National Scientific Coordinator, Pharmacovigilance Programme of India (PVPI)  
Chief, National Poison Information Centre., All India Institute of Medical Sciences, New Delhi.

**Qualification: (Degrees and Fellowships)**

	<b>Year of Acquiring</b>	<b>University</b>
M.B.B.S.	1974	King George's Medical College, Lucknow
MD	1979	King George's Medical College, Lucknow
FAMS	2007	<b>Fellow of National Academy of Medical Sciences</b>
FNASc	2008	<b>Fellow of National Academy of Science</b>
FIPS	2001	<b>Fellow of Indian Pharmacological Society</b>
FIAN	2004	<b>Fellow of Indian Academy of Neurosciences</b>
FST	2010	Fellow of Society of Toxicology India

## Professional Experience

Professional Experience	Duration	No. of Years	Name of Institutions
Professor & Head	July 2005 – till date	4 years	Department of Pharmacology All India Institute of Medical Sciences (AIIMS), New Delhi
Director	July 2003 - June 2005	2 years	Indian Institute of Toxicological Research, Lucknow, India (Formerly known as Industrial Toxicology Research Centre)
Professor	June, 1998 – till June, 2003	5 Years	Department of Pharmacology All India Institute of Medical Sciences (AIIMS), New Delhi
Additional Professor	July 93-June98	5 years	Department of Pharmacology AIIMS
Associate Professor	July 88-July93	5 years	Department of Pharmacology AIIMS
Assistant Professor	Jan 86-July 88	2½ years	Department of Pharmacology AIIMS
Lecturer	Feb.83-Jan.86	3 years	Department of Pharmacology AIIMS
Senior Resident	Feb.80-Feb.83	3 years	Department of Pharmacology Maulana Azad Medical College, New Delhi

Senior Research Fellow(CSIR)	Feb77-Feb.80	3 years	Department of Pharmacology King George's Medical College, Lucknow.
Demonstrator	Feb.76-Feb. 77	1 year	Department of Pharmacology B.R.D. Medical College, Gorakhpur.

### Important Administrative Positions at All India Institute of Medical Sciences.:

<b>Professional Experience</b>	<b>Duration with years</b>	<b>No. of Years</b>	<b>Name of Institutions</b>
Chief Spokesperson and Public Relation Officer, AIIMS	January, 2008 – till date	-	All India Institute of Medical Sciences, New Delhi.
Professor In-charge - Examinations, AIIMS	June 2001-June 2003	2 years	All India Institute of Medical Sciences, New Delhi.  (Examination Section)
Faculty Incharge, Vishram Sadan & Dharamshala Facilities, AIIMS	2000-03, 2006- till date		All India Institute of Medical Sciences, New Delhi.
Sub-Dean – Examinations, AIIMS	1996-2001	5 years	All India Institute of Medical Sciences, New Delhi.  (Examination Section)
Assistant Superintendent, AIIMS Hostel	1992 – 1998	6	All India Institute of Medical Sciences, New Delhi.
Officers Incharge, AIIMS Transport	1991 – 1994		All India Institute of Medical Sciences, New

Facility			Delhi.
Faculty Incharge AIIMS Hospital Formulary	1994 – 1998		All India Institute of Medical Sciences, New Delhi.
Chairman, Institutional Animal Ethics Committee	2007- till date		
Member, Institutional Human Ethics Committee	2006- till date		

<b>President of a National Professional Society</b>		
<b>President</b>	<b>April 2010 -- March 2012</b>	<b>Society of Toxicology India</b>
President	January, 2006 to December, 2006	Indian Pharmacological Society
President	2004 – 2005	Society for Environmental Toxicological

<b>(F) Vice President / Secretary/Treasurer or any Elected office of a National Professional Society</b>		
Vice President	2007 – 2008	Society of Toxicology, India
Vice President	1980	Indian Pharmacological Society
Treasurer	1984-85-86	Indian Pharmacological Society
Executive Committee Member	1980, 1983	Indian Pharmacological Society
Executive Committee Member	1987-88	Research Society of Anesthesiology and Clinical Pharmacology

<b>Contribution in Developing Specialty</b>	
<b>A. Developed Neuropharmacology Laboratory in the Department, AIIMS.</b>	The undersigned started research in the area of Neuropharmacology at AIIMS. Attracted projects from different funding agencies. Trained over 30 research scholar (over 12 PhDs) published research papers in indexed journals.
<b>B. Contribution in developing the</b>	Started Clinical Pharmacology Discipline and <b>D.M.</b>

<p><b>discipline of Clinical Pharmacology</b></p>	<p><b>Clinical Pharmacology</b> course at AIIMS. Started the National Therapeutic Drug Monitoring (TDM) facility at AIIMS, which caters the needs in-patient care of various clinical departments.</p>
<p><b>C. Strengthening Pharmacovigilance Programme of India (A CDSCO-World Bank funded project under Ministry of Health and Family Welfare)</b></p>	<p>Dr Y K Gupta is a National coordinator for Pharmacovigilance Programme of India.</p>
<p><b>D. Role in National Disaster Management Authority (NDMA)</b></p>	<p>Actively involved in activities of National Disaster Management Authority.</p> <p>Serve as a <b>Member in Core Group</b> Chemicals for drafting the guideline for National Disaster Management under National Disaster Management Authority, Ministry of Defence, New Delhi.</p>
<p><b>E. Strengthening and Upgrading National Poisons Information Centre (NPIC)</b></p>	<p>NPIC a round the clock facility at Department of Pharmacology, AIIMS provides information on poisons and management of poisons and drug overdoses. <b>As a chief of NPIC</b>, the undersigned upgraded the facility with online supported databases and quantitative and qualitative estimation facility for poisons and drugs. The centre is in collaboration with WHO and NDMA. The centre is also involved in collaborative research projects on heavy metals and pesticides with Ministry of environment and forests.</p>



<p><b>F. Contribution as a Director, Indian Institute of Toxicological Research, Lucknow.</b></p>	<p>Was Coordinator of CSIR multi laboratory networking project on Toxicogenomics of polymorphism in Indian population to industrial chemicals for development of biomarkers.</p>
	<p>Conceived and created the “<b>Scientific Wastes, Instruments &amp; Materials Park</b>” (<b>SWIM PARK</b>). Aiming to be unique of its kind in the world. Widely appreciated effort by Director General, CSIR &amp; several local bodies.</p>
	<p>Responsible for creating the <b>National Facility for Genetically Modified Food Testing Laboratory</b>.</p>
	<p><b>Commissioning GLP complaint Animal House Facility.</b></p>

## Awards and Grants

<b>Year</b>	<b>Awards</b>	<b>Awarding Body</b>
1990	Shakuntala Amirchand Prize	Indian Council of Medical Research (ICMR)
1991	MNAMS	National Academy of Medical Sciences
1982	Science Academy Medal for Young Scientist	Indian National Science Academy (INSA)
1979	Achari Prize	Indian Pharmacological Society
1980	Mangalore Southern Regional Conference Prize	Indian Pharmacological Society (Southern Chapter)
1981	C. L. Malhotra Research Prize	Association of Physiologists and Pharmacologists of India
2001	AV Tilak Parvathy Devi Award	Association of Physiologists and Pharmacologists of India
1999	Major General S. L. Bhatia Oration Award	Association of Physiologists and Pharmacologists of India
1998	Chandrakanta Dandiya Prize	P. C. Dandiya Trust
1991	Best Research Award	Indian Pharmacological Society (Delhi Branch)
1998	G. Achari Oration Award	Indian Pharmacological Society

2007	Dr Atam Prakash Oration	National Medicos Organization
2008	Excellence Award for Forensic Medicine	International conference of south Asian congress of Forensic Medicine, Forensic Science & Toxicology (SAFCON-2008)
<b>Awards/Prize to student for co-authored papers</b>		
<b>Year</b>	<b>Award</b>	<b>Awarding Body</b>
1996	Best Paper Prize to Dr. Kamala Rai	Regional Conference of Indian Pharmacological Society, Siliguri
1996	Best paper presentation Prize to Dr. Vineet Kakkar	Annual Conference, Indian Pharmacological Society
1997	C. L. Malhotra Research Prize to Dr. Jatinder Malhotra	Association of Physiologists and Pharmacologists of India
1998	Dev Raj Bajaj Prize to Dr. Jatinder Malhotra	Association of Physiologists and Pharmacologists of India
1999	Dev Raj Bajaj Prize to Miss Geeta Chaudhary	Association of Physiologists and Pharmacologists of India
2000	Geeta Mittal Prize to Dr. Jai Prakash	A.I.I.M.S
2002	P. C. Dandiya Prize to Ms. Monisha Sharma	Annual Conference, Indian Pharmacological Society

2002	C. L. Malhotra Research Prize to Dr. Monisha Sharma	Association of Physiologists and Pharmacologists of India
2002	Tilak Research Prize to Dr. Geeta Chaudhary	Association of Physiologists and Pharmacologists of India
2003	P. C. Dandiya Prize to Ms. Seema Briyal	Annual Conference, Indian Pharmacological Society
2004	A. V. Tilak Parvathi Devi Prize to Dr. Madhur Gupta	Association of Physiologists and Pharmacologists of India
2005	C. L. Malhotra Research Prize to Ms. Seema Briyal	Association of Physiologists and Pharmacologists of India
2005	Dev Raj Bajaj Prize to Dr. Monisha Sharma	Association of Physiologists and Pharmacologists of India
2005	A. V. Tilak Parvathi Devi Prize to Dr. Madhur Gupta	Association of Physiologists and Pharmacologists of India

Jury Member of Awards		
1	2 <sup>nd</sup> Level Jury Members : INSPIRE Awards Project Competition	Department of Science and Technology, GOI, New Delhi

**Grants received:**

<b>Funding Agency (Year)</b>	<b>Project Title</b>
A.I.I.M.S. (1984 –1985)	Profile of cisplatin – induced vomiting
I.C.M.R. (1985-1988)	Central control of blood glucose level
I.N.S.A. (1985-1988)	Mechanism of cytotoxic drug induced vomiting
C.S.I.R. (1989-1994)	Localization of areas and characterization of receptors controlling vomiting
D.S.T. (1991-1995)	Pharmacological interventions in neurogenic pulmonary edema: A hemodynamic and biochemical profile
IEA-18 <sup>th</sup> IEC Trust (1994-1999)	Adenosine in epilepsy : Is it an endogenous anticonvulsant or neuromodulator
A.I.I.M.S. (1998-1999)	Evaluation of anticonvulsant and neuroprotective effect of adenosinergic system in status epilepticus in rat
A.I.I.M.S. (1999-2000)	Effect of free radical scavengers, melatonin, adenosine and trans Resveratrol on kainic acid induced seizure model in rats
Dabur Research Foundation Carvedilol project (2000-2001)	Evaluation of hypertensive activity of synthetic analogues of carvedilol on experimental animals
C.S.I.R (1999-2002)	“ Role of antioxidants in epilepsy: A Pharmacological and biochemical study”

Dabur Research Foundation (1994 – continuing)	Antiemetic study of ginger against cancer chemotherapy induced emesis
Ranbaxy Research Foundation (1997 – continuing)	Study of unknown compounds for CNS and gastrointestinal activities
Indian Council of Medical Research (2001-2003)	Evaluation of Centella asiaticad and celastrus paniculatus in experimental models of alzheimer's disease in rats
World Bank through Ministry of Health, GOI (2005 – 2008)	National Pharmacovigilance Programme
Ministry of Forest Environment (2007 – 2010)	Awareness Program about Mercury Pollution
DST (2007-2010)	Efficacy & Safety Evaluation on Antiepileptic activity of selected Indian Herbs
CCRUM (2008-2009)	Safety Study of UNIM-401 & UNIM-403 in the treatment of chronic plaque psoriasis
DBT (2008-2010)	Training Module in Clinical Research
Indian Council of Medical Research (2009-2011)	Quantitative Detection of heavy metals and Phthalates in toys
DGHS,MOH, GOI (2009 - continuing)	Clinical trail with S-Adenosyl L- methionine (S-AMe) in patients with osteoarthritis of knee (Mild to moderate)

CCRUM (2009-2010)	A preliminary study on the antiobesity property of a Unani formulation in experimental model in rats
AYUSH (2009-2012)	Effect of traditionally used Ayurvedic rasa aushadhies on renal & hepatic functions: Clinical & Experimental Study

## Membership of the Technical Expert Groups

Membership	Name of Organization	Year
<b>Chairman, High Powered Inter-Ministerial Coordination Committee to look into the matters of implementation Government commitment to provide quality medicine at affordable prices.</b>	Department of Pharmaceuticals, Ministry of Chemicals & Fertilizers, Government of India	2010
<b>Member – High Powered Committee on Global Environment Change and Health.</b>	Indian Council of Medical Research, New Delhi	2010
<b>Member – Working Group on Equivalence</b>	Indian Council of Medical Research, New Delhi	2010
<b>Member – Committee for Examining Alleged irregularities in conduct of studies using HPV vaccine</b>	Ministry of Health and Family Welfare, GOI	2010
<b>Chairman – Expert core committee on National list of Essential Medicines</b>	Directorate General of Health Services, Ministry of Health and Family Welfare.	2010
<b>Member – Board of Studies of University School of Medicine &amp; Para Medical Health Sciences</b>	Guru Govind Singh Indraprastha University, Delhi	2010
<b>Chairman – Task Force on “Value-Added Biomass &amp; Products from</b>	Department of Biotechnology Ministry of Science &	2011



<b>Membership</b>	<b>Name of Organization</b>	<b>Year</b>
<b>Natural Resources”</b>	Technology, GOI	
<b>Member of Scientific Body of Indian Pharmacopoea Commission (IIPC)</b>	Ministry of Health & FW, GOI, Ghaziabad	2011
<b>Co-chairman of the Task Force on “Value Added Biomass &amp; Products from Natural Resources”</b>	Department of Biotechnology Ministry of Science & Technology, GOI	2011-2013
<b>Member, Board of Studies</b>	Jivaji University, Gwalior	2011
<b>Member – Governing Body - Clinical Development Services Agency (CDSA)</b>	<b>Department of Biotechnology Ministry of Science &amp; Technology, GOI</b>	2011
<b>Member – Board of Specialty in Pharmacology</b>	Medical council of India	2010
<b>Member – High Powered Committee on “Gloval Environment Change and Health”</b>	ICMR	2010
<b>Member Board of Studies, Department of Med. Elem. And Toxicology</b>	Jamia Hamdard, New Delhi	2010-2012
<b>Member of Dean’s Committee, AIIMS</b>	All India Institute of Medical Sciences, New Delhi	2010-2012
<b>Member of Scheme inder XI Five Year Plan for Studies on Identification and Characterization of Drugs, Fibers, Paints and Poisons</b>	LNJN National Institute of Criminology & Forensic Science, Government of India	

<b>Membership</b>	<b>Name of Organization</b>	<b>Year</b>
<b>Member of Expert Group on Prevention, Abatement &amp; Control of Pollution</b>	Ministry of Environment & Forests, Government of India	2010 -
<b>Member – Expert Group of Safety of consumption of vegetable juices with special reference to lauki (white gourd) juice</b>	Indian council of Medical Research, New Delhi	2010
<b>Expert Member – Committee to examine Alleged irregularities in conduct of studies in India Using Human Papilloma Virus (HPV) Vaccine</b>	Department of Health Research, Ministry of Health & Family Welfare, GOI	2010
<b>Member – High Level committee:</b> All India Institute of Ayurveda.	Dept of AYUSH, Ministry of Health and Family Welfare, New Delhi.	2008
<b>Member – Scientific Advisory Committee</b>	CCRAS, Department of Ayush, Ministry of Health & Family Welfare.	2008 - 2011
<b>Member – Scientific advisory committee on food and water safety</b>	International Life Sciences Institute (ILSI)- India	2007 - 2008
<b>Member – Governing Body:</b> Central Council of Research in Ayurveda & Siddha.	Dept of AYUSH, Ministry of Health and Family Welfare, New Delhi.	2007 - 2010
<b>Member – Governing Body:</b> Central Council of Research in Homoeopathy.	Dept of AYUSH, Ministry of Health and Family Welfare,	2007-2010

<b>Membership</b>	<b>Name of Organization</b>	<b>Year</b>
	New Delhi.	
<b>Member – Co-opted member of Board of Studies of Department of Clinical Research</b>	Faculty of Allied Health Sciences, Jamia Hamdard, New Delhi.	2011 – 2013
<b>Member – Institutional Review Board of National Institute of Health &amp; Family Welfare</b>	Ministry of Health and Family Welfare, GOI, New Delhi	2011
<b>Member – First Board of Governors of the Delhi Pharmaceuticals Sciences and Research University</b>	Department of Training and Technical Education, Government of NCT Delhi	2010
<b>Member – Medical Sciences Research Committee</b>	CSIR	2009
<b>Member – Governing Body:</b>	Indira Gandhi Institute of Medical Sciences, Patna, Bihar.	2004-2006
<b>Member - Executive Committee, Navodaya Vidyalaya &amp; Member - Navodaya Vidyalaya Samiti.</b>	Ministry of Human Resource Development, Government of India	2003 - 2007
<b>Member – High Power Review committee for functioning of CCRAS: Assessment of quality and quantum of research work, CCRAS.</b>	Dept of AYUSH, Ministry of Health and Family Welfare, New Delhi.	2006-2007
<b>Member – High Power Review committee for : Assessment of quality</b>	Dept of AYUSH, Ministry of Health and Family Welfare,	2006-2007

<b>Membership</b>	<b>Name of Organization</b>	<b>Year</b>
and quantum of research work by CCRUM.	New Delhi.	
<b>Member - Research Council: Centre for Cellular and Molecular Biology, Hyderabad.</b>	<b>Council of Scientific &amp; Industrial Research.</b>	<b>2007 to 2010</b>
<b>Member - Research Council : Central Drug Research Institute, Lucknow</b>	<b>Council of Scientific &amp; Industrial Research.</b>	<b>2007 to 2010</b>
<b>Member – Research Council: National Environmental Engineering Research Institute, Nagpur</b>	<b>Council of Scientific &amp; Industrial Research.</b>	<b>2003 – 2006</b>
<b>Member – Research Council: Central Food Technological Research Institute, Nagpur</b>	<b>Council of Scientific &amp; Industrial Research.</b>	<b>2003 - 2008</b>
<b>Chairman - GLP Technical Committee</b>	<b>Department of Science and Technology, New Delhi</b>	<b>2003 till date</b>
<b>Chairman - Scientific Advisory Committee: National Institute of Occupational Health, Ahmedabad.</b>	<b>Indian Council of Medical Research, New Delhi</b>	
<b>Member - Research Advisory Council</b>	Sriram Institute for Industrial Research, New Delhi.	
<b>Member - Core Group: Committee on Global Environment Change and Health</b>	Indian Council of Medical Research, New Delhi.	

<b>Membership</b>	<b>Name of Organization</b>	<b>Year</b>
<b>Member – High Level Committee to oversee the Technical Aspects of Implementation of proposed All India Institute of Ayurveda</b>	<b>Department of Ayush, Ministry of Health and Family Welfare, GOI</b>	<b>2008</b>
<b>Member - Working group on health systems research and biochemical research and development.</b>	<b>Planning commission, Health Nutrition and Family Welfare Division, Govt of India.</b>	<b>2005-06</b>
<b>Member - Evaluation Committee to evaluate the original books written in Hindi</b>	Ministry of Health and Welfare, Government of India.	1994-2003, 2007, 2011 – 2012
Member - Expert Group in Central Insecticide Board and Registration Committee	Ministry of Agriculture, Government of India.	Since 2005
<b>Member - ICMR-NIF Initiative Committee for Planning commission in 11th five year plan.</b>	<b>Indian Council of Medical Research, New Delhi</b>	<b>2007</b>
<b>Chairman - Expert group for registration of hydrogen cyanide.</b>	<b>Ministry of Agriculture, Government of India</b>	
<b>Member - Expert committee to review the rationality of drug formulation (DTAB subcommittee)</b>	<b>Directorate General of Health Services, Ministry of Health, Government of India</b>	<b>2005-06</b>
<b>Chairman - Sub committee of National Pharmacovigilance Advisory Committee</b>	<b>Directorate General of Health Services, Ministry of Health &amp; Family Welfare, GOI, New</b>	<b>2005 till date</b>

<b>Membership</b>	<b>Name of Organization</b>	<b>Year</b>
	<b>Delhi</b>	
<b>Member - National Committee of IUNS-IUPS-IUPHAR, Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi</b>	<b>Council of Scientific &amp; Industrial Research.</b>	<b>2004-2007</b> <b>2007-2010</b>
<b>Member - Task Force on Biotechnology for Medicinal and Aromatic Plants.</b>	<b>Department of Biotechnology, Ministry of Science &amp; Technology, Government of India.</b>	<b>2006-2008</b>
Member – Expert Group on Emerging Technologies	<b>Department of Sciences &amp; Technology, Ministry of Science &amp; Technology, Government of India.</b>	2006
Expert member - Inspection team of Medical Council of India	Medical Council of India, New Delhi	Since 2005
Member - Core Group: preparing National Guidelines on Chemical Disaster Management	National Disaster Management Authority, GOI, New Delhi.	Since 2005
<b>Chairman - Clinical Medicine and Pharmacology Committee, Indian Pharmacopoeia Commission.</b>	<b>Ministry of Health &amp; Family Welfare.</b>	<b>Since 2006</b>
Member - Group to advise Regulation of Manufacture & Import of Multi-use Insecticides, Group on Simplification of Registration Procedure of Multi-use	Directorate of Plant Protection, Quarantine & Storage, Department of Agriculture & Cooperation, Ministry of	Since 2006

<b>Membership</b>	<b>Name of Organization</b>	<b>Year</b>
Insecticides, Central Insecticides Board & Registration Committee.	Agriculture, Government of India	
Member - Advisory Committee: ICMR for preparing medicinal plants monographs on selected diseases of public health importance	Indian Council of Medical Research, New Delhi	Since 2001
Member - Medical Council of India's Committee: Drafting the syllabi for the post graduates diplomas, degrees of higher specialization (M.D. Pharmacology and DM Clinical Pharmacology)	Medical Council of India, New Delhi	2007
<b>Member – The Project Committee: Department of Science and Technology of Indo-Foreign Collaboration</b>	<b>Department of Science and Technology, New Delhi</b>	<b>2006 till date</b>
<b>Expert Member - Project Review Committee: Indian Council of Medical Research, New Delhi.</b>	<b>Indian Council of Medical Research, New Delhi</b>	Continue
Expert Member - Committee for Clinical Trial Guidelines for Ayurvedic Drugs.	Dept of AYUSH, Ministry of Health and Family Welfare, New Delhi	2006 - 2008
Member – Project Review Committee: for Centre Council for Research in	Dept of AYUSH, Ministry of Health and Family Welfare,	Since 2003

<b>Membership</b>	<b>Name of Organization</b>	<b>Year</b>
Ayurveda and Siddha.	New Delhi	
Member – Project Review Committee : for Centre Council for Research in Homeopathy	Dept of AYUSH, Ministry of Health and Family Welfare, New Delhi	Since 2003
Member – Project Review Committee: for Centre Council for Research in Unani Medicine.	Dept of AYUSH, Ministry of Health and Family Welfare, New Delhi	Since 2001
Member - Working Group: Safety evaluation of Ayurveda, Siddha, and Unani herbal, herbo-mineral and herbo- metallic formulations.	Dept of AYUSH, Ministry of Health and Family Welfare, New Delhi	Since 2004
<b>Member – IUPHAR – IOSP (Integrative and Organs Systems Pharmacology) Committee</b>	<b>IUPHAR</b>	2008 - 2010
Member - Project Advisory Committee in Bio-medical Science and Technology.	Department of Science and Technology, New Delhi	Since 2004
<b>Member - Advisory committee: for Indian Drugs and Pharmaceuticals Limited, Gurgaon, Haryana.</b>	<b>Indian Drugs and Pharmaceuticals Limited, Gurgaon, Haryana.</b>	Since 2006
<b>Member - Expert Group: Emerging Technologies.</b>	<b>Department of Science and Technology, New Delhi.</b>	Since 2005
Member - Working group: on Food Safety under Ministry of Consumer	Ministry of Consumer Affairs, Food & Public Distribution, New	



Membership	Name of Organization	Year
affairs, Food & Public Distribution.	Delhi	
Member - National Advisory Board: on Research and Business of Medical and Aromatic Plants under Central Institute of Medicinal and Aromatic Plants, Lucknow.	Council of Scientific & Industrial Research.	
Member - Monitoring Committee: PRDSF Project Implementation Committee.	Department of Science and Technology, New Delhi.	
<b>Member - Review Committee: Golden Triangle Partnership Scheme, CSIR, New Delhi.</b>	<b>Council of Scientific &amp; Industrial Research.</b>	2005 -
<b>Member - Food Additives Sectional Committee.</b>	<b>Bureau of Indian Standards, New Delhi.</b>	2003 -
Member - Expert Group: Tuberculosis Vaccines Clinical trial for setting up guidelines for the trials of tuberculosis vaccine candidates.	Department of Biotechnology, Ministry of Health and Family Welfare, New Delhi	2005 -
Member - Experts Committee: Formulation of Guidelines on Clinical Trial for Ayurvedic Pharmaceutical Industries, Central Council for Research in Ayurveda and Siddha, Delhi.	Department of AYUSH, New Delhi.	2006 -

<b>Membership</b>	<b>Name of Organization</b>	<b>Year</b>
<b>Member - Prize committee of Indira Gandhi Paryavaran Puraskar, under Chairmanship of Vice President of India.</b>	<b>Ministry of Environment and Forests, GOI, New Delhi.</b>	2006
Member - Advisory Committee: Setting up of the National Biotechnology Regulatory Authority (NBRA).	Department of Biotechnology Ministry of Science & Technology, Govt of India	2007 -
Member - Executive Committee: ISRPT, Indian Society for Rational Pharmacotherapeutics.	Department of Pharmacology, Lady Hardinge Medical College, New Delhi.	2006 -
Member - Task Force on Database / Monographs on Medicinal Plants, Medical Plants Unit.	Indian Council of Medical Research, New Delhi	2004 - continuing
Member - Selection Committee: C.S.I.R. – Research Associates and Sr. Research Fellows.	Council of Scientific & Industrial Research.	
Member – Selection Committee: for Scientist, Council for Scientific & Industrial Research - at CDRI, ITRC, RRL, Jammu and CCMB	Council of Scientific & Industrial Research.	
Member from AIIMS – Medical Nano Technology Sectional Committee.	Under MHDC	
Expert Member - The BioMedical Ethics Committee.	Sitaram Bhartiya Institute for Science and Research, New Delhi	2005 – continuing

<b>Membership</b>	<b>Name of Organization</b>	<b>Year</b>
<b>Chairman – Institutional Ethics Committee, Institute of Nuclear Medicine &amp; Allied Science (INMAS)</b>	<b>DRDO, Ministry of Defence, Government of India.</b>	2006 - continuing
Member – Key Operational Leader (KOL) for Clinical Management of Pediatric epilepsy with particular reference to Lennox Gastant Syndrome	Sacoor Medical Group International Pharmaceuticals Industry Consultants	2008 - continuing
Member – Expert committee for evaluation of reports of Lead and Cadmium content in toys	Shriram Institute for Industrial Research, New Delhi.	
Member - Institutional Review Board: National Institute of Health and Family Welfare, New Delhi.	Ministry of Health & Family Welfare, Government of India, New Delhi.	2006 - continuing
Member - Store Purchase Committee.	All India Institute of Medical Science, New Delhi.	
Member – Committee to facilitate functioning of the patent cell, AIIMS.	All India Institute of Medical Science, New Delhi.	
Member - Hospital Drugs Purchase Committee, AIIMS.	All India Institute of Medical Science, New Delhi.	
Member - Task Force Committee: To finalize increase of undergraduate and postgraduate seats at AIIMS	All India Institute of Medical Science, New Delhi.	

<b>Membership</b>	<b>Name of Organization</b>	<b>Year</b>
<b>Member – Institutional Ethics Committee for Human Research.</b>	<b>All India Institute of Medical Sciences, New Delhi</b>	2003 – continuing
<b>Member – Institutional Animal Ethics Committee</b>	<b>All India Institute of Medical Sciences, New Delhi</b>	1998 - Continuing
Member - Selection Committee	Union Public Service Commission, New Delhi.	
Member, Academic Committee	B.P. Koirala Institute of Health Sciences, Dharan, Nepal.	
Member - Board of Studies	Annamalai University, Tamilnadu	
	Aligarh Medical College, Aligarh	
	B.R.D. Medical College, Gorakhpur	
	Hamdard College of Pharmacy, Delhi.	
Served as Expert for Selection of Faculty / Scientists / Doctors in the following organizations / Institutes	National Institute of Education and Research (NIPER), Chandigarh	
	Public Service Commission, Himachal Pradesh	
	M. G. M. Medical College, Indore	

Membership	Name of Organization	Year
	Baba Farid University, Faridkot, Punjab	
	Railway Recruitment Board, South Eastern Railways	
	University College of Medical Sciences, New Delhi	
	Uttar Pradesh Public Service Commission	
	Rajsthan Public Service Commission	
	Himachal Pradesh Public Service Commission	
	Punjab Public Service Commission	
	P.G.I., Chandigarh	
	Sher-e-Kashmir Institute of Medical Sciences, Srinagar	
	Institute of Bioresources and Sustainable Development (ISBD), Imphal	
	Aligarh Muslim University, Aligarh	

<b>Membership</b>	<b>Name of Organization</b>	<b>Year</b>
<b>Visiting Professor</b>	University of Illinois at Chicago, Chicago, USA,	1995
	B. P. Koirala Institute of Health Sciences, Dharan, Nepal.	1996 & 1997

### **Editor of Drugs: News and Views (circulation 3000)**

Conceptualised and Implemented the publication of a drug bulletin, 'Drugs : News and Views', aimed at providing updated and recent information about new drugs, newer uses of old drugs, controversies in drug therapy and adverse drug reactions, to the practicing medical community. The bulletin is 6 monthly and distributed to 3000 clinicians, academicians, scientist and libraries of medical and pharmacy colleges all over the country.

### **Advisory Member of Editorial Board**

- International Journal of Biosciences & Technology.
- Journal of Ecophysiology & Occupational Health
- STOX : Society of Toxicology India (<http://www.stoxindia.org/v4/content/editorial-board.cms>)

### **Member of Editorial Board:**

- Annals of Neurosciences.
- Indian Journal of Pharmacology
- Drugs & Pharmaceuticals Industry Highlights
- Journal of Herbal Medicine and Toxicology.
- Annals of Neurosciences an official Journal of Indian Academy of Neurosciences.
- Indian Journal of Research in Homeopathy an official publication of Central Council for Research in Homoeopathy.
- Member - International advisory board of Indian Journal of Pharmacology an official publication of Indian pharmacological society.
- Member - Advisory board of Journal of Toxicology International.
- Member - Advisory Editors of Journal of Ecophysiology & Occupational Health
- Honorary Editorial Board of Orphan Drugs: Research & Reviews

**President of Executive Committee** (April 2010 – March 2012) of STOX: Society of Toxicology India (<http://www.stoxindia.org/v4/content/executive-committee.cms>)

### **Reviewer of Journals:**

- Indian Journal of Experimental Biology
- Indian Journal of Medical Research
- Journal of Neuroscience Methods
- Journal of Cardiovascular Pharmacology
- Discovery Insight
- Brain research
- Food and chemical Toxicology



## List of Publication in Journals included in Medical Database Medical Literature Analysis & Retrieval System

### Publications in International Journals

1. K.P. Bhargava, K.S. Dixit and **Y.K. Gupta**. Enkephalin receptors in the emetic chemoreceptor trigger zone of the dog. *Br. J Pharmacol* 1981; 72: 471 - 475.
2. J.C. Agrawal, **Y.K. Gupta**, J.N. Sinha, K.P. Bhargava and K. Shanker. Cardiovascular activity of some quinazolone derivatives. *Pharmacol Res Commun* 1981; 13 (1) : 49 -63.
3. J.C. Agrawal, **Y.K. Gupta**, and K. Shanker. Some newer piperazine derivatives as hypotensive drugs. *Pharmazie* 1984; 39 (11) : 775.
4. A.N. Malviya, R.R. Singh, A. Dhar, **Y.K. Gupta**, A. Kumar, P. Agarwal, R. Mathur and N.K. Bhide. 5 - Fluorouracil in progressive systemic sclerosis. Is it safe : *Annals Rheumat Dis* 1988; 47 : 964 - 967.
5. P. Bhandari, **Y.K. Gupta**, S.D. Seth and A. Chugh. Emetic profile of cisplatin in dogs. *Asia Pacific J Pharmacol* 1988; 3 : 131 - 133.
6. A.Chugh , **Y.K. Gupta**, P. Bhandari and S.D. Seth. Characterization of dopamine receptor subtypes in chemoreceptor trigger zone involved in emesis in dogs. *Asia Pacific J Pharmacol* 1988; 3 : 135 - 139.
7. P. Bhandari, **Y.K. Gupta** and S.D. Seth. Effect of diethyldithiocarbamate on cisplatin - induced emesis in dogs. *Asia Pacific J Pharmacol* 1988; 3 : 247 - 250.
8. P. Bhandari, **Y.K. Gupta** and S.D. Seth. BRL 43694, a new 5-HT<sub>3</sub> receptor antagonist prevents cisplatin - induced emesis in dogs. *Meth Find Exp Clin Pharmacol* 1989; 11 (5) : 361 - 363.
9. **Y.K. Gupta**, A. Chugh and S.D. Seth. Opposing effect of apomorphine on antinociceptive activity : a dose dependent phenomenon. *Pain* 1989; 36 : 263 - 269.
10. P. Bhandari, **Y.K. Gupta**, S.D. Seth and A. Chugh. Cisplatin induced emesis: effect of chemoreceptor trigger zone ablation in dogs. *Asia Pacific J Pharmacol* 1989; 4: 209-213.
11. Bhushan, S.D. Seth, S. Saxena, **Y.K. Gupta** and M.G. Karmarkar. An adverse reaction to L-5-hydroxytryptophan. *Am J Psychiatry* 1991; 148(2): 268-269.
12. V. Kacker and **Y.K. Gupta**. An experimental model to study intra-cranial hypertension-induced vomiting in conscious dogs. *Methods Find Exp Clin Pharmacol* 1996; 18(5): 315 -320.

13. **Y.K. Gupta** and S.S. Sharma. Antiemetic activity of antioxidants against cisplatin-induced emesis in dogs. *Env Toxicol Pharmacol* 1996;1: 179-184
14. J. Malhotra, S.D. Seth, S.K. Gupta and **Y.K. Gupta**. Adenosinergic mechanisms in anticonvulsant action of diazepam and sodium valproate. *Env Toxicol Pharmacol* 1996; 1 (4) : 269 - 277.
15. J. Malhotra, T. Velpandian and **Y.K. Gupta**. A simple device for recording seizure activity in rats. *Methods Find Exp Clin Pharmacol* 1997; 19: 47 - 51.
16. J. Malhotra and **Y.K. Gupta**. Effect of adenosine receptor modulation in pentylene-tetrazole - induced seizures in rats. *Br J Pharmacol* 1997; 120 : 282 - 288.
17. S S. Sharma and **Y.K. Gupta**. Effect of antioxidants on cisplatin-induced delay in gastric emptying in rats. *Env. Toxicol. Pharmacol* 1997; 3:41-46.
18. S.S. Sharma, S.K. Gupta, V. Kochupillai, S.D. Seth, **Y.K. Gupta**. Cisplatin-induced pica behaviour in rats is prevented by antioxidants with antiemetic activity. *Env Toxicol Pharmacol* 1997: 3:145-149.
19. S.S. Sharma, V. Kochupillai, S.K. Gupta, S.D. Seth and **Y.K. Gupta**. Antiemetic efficacy of ginger (*Zingiber officinale*) against cisplatin-induced emesis in dogs. *J Ethnopharmacol* 1997; 57:93-96
20. S.S Sharma and **Y.K. Gupta**. Reversal of cisplatin-induced delay in gastric emptying in rats by Ginger (*Zingiber officinale*). *J Ethnopharmacol* 1998; 62: 49-55
21. Gupta SK, Awor L, Rastogi S, Prakash J, **Gupta YK**, Varma SD, Velpandian T. Delayed manifestation of ultra violet radiation induced erythema in guinea pigs by sodium pyruvate--a free radical scavenger. *Indian J Physiol Pharmacol*. 1998;42(2):315-8.
22. Kacker, V.S. Mehta , S.K. Gupta, , S.D. Seth and **Y.K. Gupta**. Acute intracranial hypertension induced inhibition of gastric emptying: experimental evaluation in conscious rats. *Eur J Pharmacol* 1999:
23. Velpandian T, Gupta SK, **Gupta YK**, Biswas NR, Agarwal HC. Ocular drug targeting by liposomes and their corneal interactions. *J Microencapsul*. 1999 ;16(2):243-50.
24. G. Chaudhary, J. Malhotra and **Y.K. Gupta**. Effect of different Lithium priming schedules on pilocarpine – induced status epilepticus in rats. *Methods Find Clin Pharmacol* 1999; 21 : 21-24.
25. Mathur R, **Gupta YK**. Adenosinergic and dopaminergic interaction in nigrostriatum in FeCl<sub>3</sub>-induced model of parkinsonism in rats. *Methods Find Exp Clin Pharmacol*. 1999;21(6):435-9.
26. J. Malhotra and **Y.K. Gupta**. Effect of adenosinergic modulation on the anticonvulsant effect of phenobarbitone and carbamazepine. *Methods Find Exp Clin Pharmacol* 1999; 21.

27. Suparna Gupta, D.K. Bhardwaj, **Y.K. Gupta**, Santosh Pasha. Chimeric peptide of met-enkephalin and FMRFamide induces antinociception and attenuates development of tolerance to morphine antinociception. *Peptides* 1999; 20: 471-478.
28. J. Prakash, S.K.Gupta, N. Singh, V. Kochupillai, **Y.K.Gupta**. Antiproliferative and chemopreventive activity of ocimum sanctum linn. *Intl J Med Biol Environ*, 1999; 27: 165-171.
29. P. Tyagi, S. Sengupta, T. Velpandian, **Y.K.Gupta**, V. Kochupillai, S.K.Gupta. Evaluation of the antitumor activity of liposomal formulations of etoposide against choriocarcinoma xenografts in Balb/c nu/ nu mice. *Pharm Pharmacol Commun*, 1999; 5: 595-598.
30. Velpandian T, Gupta SK, **Gupta YK**, Agarwal HC, Biswas NR. Comparative studies on topical lomefloxacin and ciprofloxacin on ocular kinetic and experimental corneal ulcer. *J Ocul Pharmacol Ther*. 1999;15(6):505-11.
31. Monisha Sharma, Kamala Rai, Shyam S Sharma, **Y.K Gupta**. Effect of antioxidants on pyrogallol induced delay in gastric emptying in rats. *Pharmacology* 2000; 60: 90-96.
32. J. Malhotra, G Chaudhary, **Y.K.Gupta**. Dopaminergic involvement in adenosine A1 receptor mediated antinociception in the tail flick latency in mice. *Methods Find Exp Clin Pharmacol*, 2000; 22: 37-41.
33. **Y.K.Gupta**, J. Malhotra. Antiepileptic drug therapy in the twenty first century. *Indian J Physiol Pharmacol*, 2000; 40: 8-23.
34. Sengupta S, Tyagi P, Velpandian T, **Gupta YK**, Gupta SK. Etoposide encapsulated in positively charged liposomes: pharmacokinetic studies in mice and formulation stability studies. *Pharmacol Res*. 2000;42(5):459-64.
35. Gupta SK, Rastogi S, Prakash J, Joshi S, **Gupta YK**, Awor L, Verma SD. Anti-inflammatory activity of sodium pyruvate--a physiological antioxidant. *Indian J Physiol Pharmacol*. 2000;44(1):101-4.
36. **Gupta YK**, Sharma M, Chaudhary G. Antiepileptic activity of Panax ginseng against pentylenetetrazole induced kindling in rats. *Indian J Physiol Pharmacol*. 2001;45(4):502-6.
37. Monisha Sharma, **Y.K.Gupta**. Intracerebroventricular injection of streptozotocin in rats produces both oxidative stress in the brain and cognitive impairment. *Life sci*, 2001; 68: 1021-1029.
38. Geeta Chaudhary, **Y.K. Gupta**. Lithium does not synergize the peripheral action of cholinomimetics as seen in the central nervous system. *Life Sci*, 2001 23;68(18):2115-21.
39. **Gupta YK**, Chaudhary G, Sinha K, Srivastava AK. Protective effect of resveratrol against intracortical FeCl<sub>3</sub>-induced model of posttraumatic seizures in rats. *Methods Find Exp Clin Pharmacol*. 2001;23(5):241-4.

40. Sharma M, **Gupta YK**. Effect of chronic treatment of melatonin on learning, memory and oxidative deficiencies induced by intracerebroventricular streptozotocin in rats. *Pharmacol Biochem Behav.* 2001;70(2-3):325-31.
41. Sinha K, Degaonkar MN, Jagannathan NR, **Gupta YK**. Effect of melatonin on ischemia reperfusion injury induced by middle cerebral artery occlusion in rats. *Eur J Pharmacol.* 2001 5;428(2):185-92.
42. **Gupta YK**, Sharma SS, Rai K, Katiyar CK. Reversal of paclitaxel induced neutropenia by *Withania somnifera* in mice. *Indian J Physiol Pharmacol.* 2001;45(2):253-7.
43. Singh RK, Jain R, Ray R, **Gupta YK**. Abuse liability of diazepam through different routes. *Indian J Physiol Pharmacol.* 2001;45(2):181-90.
44. Gupta S, Pasha S, **Gupta YK**, Bhardwaj DK. Effects of intracerebroventricularly administered chimeric peptide of metenkephalin and FMRFa--[D-Ala<sup>2</sup>]YFa-on antinociception and its modulation in mice. *Brain Res Bull.* 2001 1;55(1):51-7.
45. Prakash J, Gupta SK, Kochupillai V, Singh N, **Gupta YK**, Joshi S. Chemopreventive activity of *Withania somnifera* in experimentally induced fibrosarcoma tumours in Swiss albino mice. *Phytother Res.* 2001;15(3):240-4.
46. Srivastava AK, Malhotra J, **Gupta YK**. Adenosine receptors do not mediate the melatonin protection against pentylenetetrazole induced seizures in rats. *Neurobiology (Bp).* 2001;9(3-4):147-52.
47. **Gupta YK**, Sharma M, Chaudhary G. Antiepileptic activity of *Panax ginseng* against pentylenetetrazole induced kindling in rats. *Indian J Physiol Pharmacol.* 2001;45(4):502-6.
48. Srivastava AK, **Gupta YK**. Aspirin modulates the anticonvulsant effect of diazepam and sodium valproate in pentylenetetrazole and maximal electroshock induced seizures in mice. *Indian J Physiol Pharmacol.* 2001;45(4):475-80.
49. **Gupta YK**, Sharma M. Reversal of pyrogallol-induced delay in gastric emptying in rats by ginger (*Zingiber officinale*). *Methods Find Exp Clin Pharmacol.* 2001;23(9):501-3.
50. **Gupta YK**, Briyal S, Chaudhary G. Protective effect of trans-resveratrol against kainic acid-induced seizures and oxidative stress in rats. *Pharmacol Biochem Behav.* 2002;71(1-2):245-9.
51. Veerendra Kumar MH, **Gupta YK**. Effect of different extracts of *Centella asiatica* on cognition and markers of oxidative stress in rats. *J Ethnopharmacol.* 2002;79(2):253-60.
52. **Gupta YK**, Sharma M, Chaudhary G. Pyrogallol-induced hepatotoxicity in rats: a model to evaluate antioxidant hepatoprotective agents. *Methods Find Exp Clin Pharmacol.* 2002;24(8):497-500.

53. **Gupta YK**, Sinha K, Chaudhary G. Transient focal ischemia induces motor deficit but does not impair the cognitive function in middle cerebral artery occlusion model of stroke in rats. *J Neurol Sci.* 2002 15;203-204:267-71.
54. Sharma M, **Gupta YK**. Chronic treatment with trans resveratrol prevents intracerebroventricular streptozotocin induced cognitive impairment and oxidative stress in rats. *Life Sci.* 2002 11;71(21):2489-98.
55. **Gupta YK**, Sinha K, Chaudhary G, Jagannathan NR. Protective effect of adenosine against neuronal injury induced by middle cerebral artery occlusion in rats as evidenced by diffusion-weighted imaging. *Pharmacol Biochem Behav.* 2002;72(3):569-74.
56. Veerendra Kumar MH, **Gupta YK**. Intracerebroventricular administration of colchicine produces cognitive impairment associated with oxidative stress in rats. *Pharmacol Biochem Behav.* 2002;73(3):565-71.
57. Kumar MH, **Gupta YK**. Antioxidant property of *Celastrus paniculatus* willd.: a possible mechanism in enhancing cognition. *Phytomedicine.* 2002;9(4):302-11.
58. Srivastava AK, Gupta SK, Jain S, **Gupta YK**. Effect of melatonin and phenytoin on an intracortical ferric chloride model of posttraumatic seizures in rats. *Methods Find Exp Clin Pharmacol.* 2002;24(3):145-9.
59. Sinha K, Chaudhary G, **Gupta YK**. Protective effect of resveratrol against oxidative stress in middle cerebral artery occlusion model of stroke in rats. *Life Sci.* 2002 ;71(6):655-65.
60. **Gupta YK**, Chaudhary G, Srivastava AK. Protective effect of resveratrol against pentylentetrazole-induced seizures and its modulation by an adenosinergic system. *Pharmacology.* 2002;65(3):170-4.
61. **Gupta YK**, Chaudhary G, Sinha K. Enhanced protection by melatonin and meloxicam combination in a middle cerebral artery occlusion model of acute ischemic stroke in rat. *Can J Physiol Pharmacol.* 2002;80(3):210-7.
62. **Gupta YK**, Sharma SS. Involvement of 5-HT<sub>1A</sub> and 5-HT<sub>2</sub> receptor in cisplatin induced emesis in dogs. *Indian J Physiol Pharmacol.* 2002;46(4):463-7.
63. **Gupta YK**, Veerendra Kumar MH, Srivastava AK. Effect of *Centella asiatica* on pentylentetrazole-induced kindling, cognition and oxidative stress in rats. *Pharmacol Biochem Behav.* 2003;74(3):579-85.
64. Veerendra Kumar MH, **Gupta YK**. Effect of *Centella asiatica* on cognition and oxidative stress in an intracerebroventricular streptozotocin model of Alzheimer's disease in rats. *Clin Exp Pharmacol Physiol.* 2003;30(5-6):336-42.

65. Jaiswal J, Gupta SK, Dash SC, Tiwari SC, Mehta SN, **Gupta YK**, Velpandian T. Neoral monitoring by limited sampling area under the concentration time curve in stable indian renal transplant recipients. *Transplant Proc.* 2003;35(4):1298-9.
66. **Gupta YK**, Chaudhary G. Effect of antiemetic drugs on decrease in gastric emptying in experimental model of motion sickness in rats. *Acta Pharmacol Sin.* 2003;24(4):296-300.
67. Sharma M, **Gupta YK**. Effect of alpha lipoic acid on intracerebroventricular streptozotocin model of cognitive impairment in rats. *Eur Neuropsychopharmacol.* 2003;13(4):241-7.
68. Chaudhary G, Sharma U, Jagannathan NR, **Gupta YK**. Evaluation of *Withania somnifera* in a middle cerebral artery occlusion model of stroke in rats. *Clin Exp Pharmacol Physiol.* 2003;30(5-6):399-404.
69. Chaudhary G, Sinha K, **Gupta YK**. Protective effect of exogenous administration of alpha-tocopherol in middle cerebral artery occlusion model of cerebral ischemia in rats. *Fundam Clin Pharmacol.* 2003;17(6):703-7.
70. **Gupta YK**, Gupta M, Kohli K. Neuroprotective role of melatonin in oxidative stress vulnerable brain. *Indian J Physiol Pharmacol.* 2003;47(4):373-86. Review.
71. **Gupta YK**, Sharma M, Chaudhary G, Katiyar CK. Hepatoprotective effect of New Livfit, a polyherbal formulation, is mediated through its free radical scavenging activity. *Phytother Res.* 2004;18(5):362-4.
72. **Gupta YK**, Gupta M, Chaudhary G, Kohli K. Modulation of antiepileptic effect of phenytoin and carbamazepine by melatonin in mice. *Methods Find Exp Clin Pharmacol.* 2004;26(2):99-102.
73. **Gupta YK**, Gupta M, Aneja S, Kohli K. Current drug therapy of protozoal diarrhoea. *Indian J Pediatr.* 2004;71(1):55-8. Review.
74. Rajak S, Banerjee SK, Sood S, Dinda AK, **Gupta YK**, Gupta SK, Maulik SK. *Emblica officinalis* causes myocardial adaptation and protects against oxidative stress in ischemic-reperfusion injury in rats. *Phytother Res.* 2004;18(1):54-60.
75. **Gupta YK**, Sharma M, Briyal S. Antinociceptive effect of trans-resveratrol in rats: Involvement of an opioidergic mechanism. *Methods Find Exp Clin Pharmacol.* 2004;26(9):667-72.
76. Gupta M, **Gupta YK**, Agarwal S, Aneja S, Kalaivani M, Kohli K. Effects of add-on melatonin administration on antioxidant enzymes in children with epilepsy taking carbamazepine monotherapy: a randomized, double-blind, placebo-controlled trial. *Epilepsia.* 2004;45(12):1636-9.
77. Gupta M, **Gupta YK**, Agarwal S, Aneja S, Kohli K. A randomized, double-blind, placebo controlled trial of melatonin add-on therapy in epileptic children on valproate

monotherapy: effect on glutathione peroxidase and glutathione reductase enzymes. *Br J Clin Pharmacol.* 2004;58(5):542-7.

78. Ray SB, Gupta H, **Gupta YK**. Up-regulation of m-opioid receptors in the spinal cord of morphine-tolerant rats. *J Biosci.* 2004;29(1):51-6.

79. **Gupta YK**, Briyal S. Animal models of cerebral ischemia for evaluation of drugs. *Indian J Physiol Pharmacol.* 2004;48(4):379-94.

80. Baig I, Bertini I, Del Bianco C, Gupta YK, Lee YM, Luchinat C, Quattrone A. Paramagnetism-based refinement strategy for the solution structure of human alpha-parvalbumin. *Biochemistry.* 2004 ;43(18):5562-73.

81. **Gupta YK**, Briyal S. Protective effect of vineatrol against kainic acid induced seizures, oxidative stress and on the expression of heat shock proteins in rats. *Eur Neuropsychopharmacol.* 2005 Sep 1.

82. **Gupta YK**, Briyal S, Sharma U, Jagannathan NR, Gulati A. Effect of endothelin antagonist (TAK-044) on cerebral ischemic volume, oxidative stress markers and neurobehavioral parameters in the middle cerebral artery occlusion model of stroke in rats. *Life Sci.* 2005 ;77(1):15-27.

83. Ray SB, **Gupta YK**, Wadhwa S. Expression of opioid receptor-like 1 (ORL1) & mu opioid receptors in the spinal cord of morphine tolerant mice. *Indian J Med Res.* 2005;121(3):194-202.

84. Sureshkumar V, Paul B, Uthirappan M, Pandey R, Sahu AP, Lal K, Prasad AK, Srivastava S, Saxena A, Mathur N, **Gupta YK**. Proinflammatory and anti-inflammatory cytokine balance in gasoline exhaust induced pulmonary injury in mice. *Inhal Toxicol.* 2005; 17(3): 161-8.

85. Sharma M, Briyal S, **Gupta YK**. Effect of alpha lipoic acid, melatonin and trans resveratrol on intracerebroventricular streptozotocin induced spatial memory deficit in rats. *Ind J Physiol Pharmacol.* 2005; 49(4): 395-402

86. Kapoor N, Pant AB, Dhawan A, Dwivedi UN, **Gupta YK**, Seth PK, Parmar D. Differences in sensitivity of cultured rat brain neuronal and glial cytochrome P450 2E1 to ethanol. *Life Sci.* 2006; 79(16):1514-22.

87. Edwards TA, Butterwick JA, Zeng L, **Gupta YK**, Wang X, Wharton RP, Palmer AG 3rd, Aggarwal AK. Solution structure of the Vts1 SAM domain in the presence of RNA. *J Mol Biol.* 2006 ;356(5):1065-72.

88. Patel S, Singh V, Kumar A, **Gupta YK**, Singh MP. Status of antioxidant defense system and expression of toxicant responsive genes in striatum of maneb- and paraquat-induced Parkinson's disease phenotype in mouse: mechanism of neurodegeneration. *Brain Res.* 2006 ;1081(1):9-18.

89. Kumar A, Patel S, **Gupta YK**, Singh MP. Involvement of endogenous nitric oxide in myeloperoxidase mediated benzo(a)pyrene induced polymorphonuclear leukocytes injury. *Mol Cell Biochem.* 2006;286(1-2):43-51.
90. Hanif K, Gupta K, Gupta S, **Gupta YK**, Maiti S, Pasha S. Chimeric peptide of met-enkephalin and FMRFa: effect of chlorination on conformation and analgesia. *Neurosci Lett.* 2006 ; 403(1-2):131-5. Epub 2006 Jun 9.
91. **Gupta YK**, Briyal S. Protective effect of vineatrol against kainic acid induced seizures, oxidative stress and on the expression of heat shock proteins in rats. *Eur Neuropsychopharmacol.* 2006;16(2):85-91.
92. Sood S, Narang D, Thomas MK, **Gupta YK**, Maulik SK. Effect of *Ocimum sanctum* Linn. on cardiac changes in rats subjected to chronic restraint stress. *J Ethnopharmacol.* 2006 ;108(3):423-7. Epub 2006 Jul 1.
93. Singh MP, Patel S, Dikshit M, **Gupta YK**. Contribution of genomics and proteomics in understanding the role of modifying factors in Parkinson's disease. *Indian J Biochem Biophys.* 2006;43(2):69-81. Review.
94. Sood S, Narang D, Thomas MK, **Gupta YK**, Maulik SK. Effect of combination of endothelin receptor antagonist (TAK-044) and aspirin in middle cerebral artery occlusion model of acute ischemic stroke in rats. *Methods Find Exp Clin Pharmacol.* 2007;29(4):257-63.
95. Briyal S, Gulati A, **Gupta YK**. Effect of combination of endothelin receptor antagonist (TAK-044) and aspirin in middle cerebral artery occlusion model of acute ischemic stroke in rats. *Methods Find Exp Clin Pharmacol.* 2007;29(4):257-63
96. Gupta K, Vats ID, **Gupta YK**, Saleem K, Pasha S. Lack of tolerance and morphine-induced cross-tolerance to the analgesia of chimeric peptide of Met-enkephalin and FMRFa. *Peptides.* 2008;29(12):2266-75.
97. Verma D, **Gupta YK**, Parashar A, Ray SB. Differential expression of L- and N-type voltage-sensitive calcium channels in the spinal cord of morphine+nimodipine treated rats. *Brain Res.* 2009 ;1249:128-34
98. Reeta KH, Mehla J, **Gupta YK**. Curcumin is protective against phenytoin-induced cognitive impairment and oxidative stress in rats. *Brain Res.* 2009 ;1301:52-60
99. Briyal S, Sharma U, Jagannathan NR, **Gupta YK**. Effect of vineatrol in focal cerebral ischemia in rats. *Methods Find Exp Clin Pharmacol.* 2009;31(8):505-11.
100. Singh G, Siddiqui MA, Khanna VK, Kashyap MP, Yadav S, **Gupta YK**, Pant KK, Pant AB. Oxygen glucose deprivation model of cerebral stroke in PC-12 cells: glucose as a limiting factor. *Toxicol Mech Methods.* 2009;19(2):154-60.



101. Gupta K, Singh VP, Kurupati RK, Mann A, Ganguli M, **Gupta YK**, Singh Y, Saleem K, Pasha S, Maiti S. Nanoparticles of cationic chimeric peptide and sodium polyacrylate exhibit striking antinociception activity at lower dose. *J Control Release*. 2009 ;134(1):47-54
102. Sarangi SC, Reeta KH, Dinda AK, **Gupta YK**. Protective effect of mycophenolate mofetil on mercuric chloride-induced nephrotoxicity in rats. *Methods Find Exp Clin Pharmacol*. 2010;32(4):219-25.
103. **Gupta YK**, Lee TH, Edwards TA, Escalante CR, Kadyrova LY, Wharton RP, Aggarwal AK. Co-occupancy of two Pumilio molecules on a single hunchback NRE. *RNA*. 2009;15(6):1029-35
104. Reeta KH, Mehla J, **Gupta YK**. Curcumin ameliorates cognitive dysfunction and oxidative damage in phenobarbitone and carbamazepine administered rats. *Eur J Pharmacol*. 2010 Oct 10;644(1-3):106-12.
105. Mehla J, Reeta KH, Gupta P, **Gupta YK**. Protective effect of curcumin against seizures and cognitive impairment in a pentylenetetrazole-kindled epileptic rat model. *Life Sci*. 2010 Sep 11.
106. **Gupta YK**, Shanmugam SP, Padhy BM, Goyal A. Palonosetron induced anaphylaxis in an adult female. *Br J Clin Pharmacol*. 2010;70(1):149-50
107. Pillai AK, Sharma KK, **Gupta YK**, Bakhshi S. Anti-emetic effect of ginger powder versus placebo as an add-on therapy in children and young adults receiving high emetogenic chemotherapy. *Pediatr Blood Cancer*. 2010 Sep 14.
108. **Gupta YK**, Shanmugam SP, Padhy BM, Goyal A. Palonosetron induced anaphylaxis in an adult female. *Br J Clin Pharmacol*. 2010;70(1):149-50.
109. Reeta KH, Mehla J, **Gupta YK**. Curcumin ameliorates cognitive dysfunction and oxidative damage in phenobarbitone and carbamazepine administered rats. *Eur J Pharmacol*. 2010;644(1-3):106-12.
110. Mehla J, Reeta KH, Gupta P, **Gupta YK**. Protective effect of curcumin against seizures and cognitive impairment in a pentylenetetrazole-kindled epileptic rat model. *Life Sci*. 2010;87(19-22):596-603.
111. Nair V, Singh S, **Gupta YK**. Anti-arthritic and disease modifying activity of *Terminalia chebula* Retz. in experimental models. *J Pharm Pharmacol*. 2010;62(12):1801-6.
112. Chauhan A, Sharma U, Jagannathan NR, Reeta KH, **Gupta YK**. Rapamycin protects against cerebral artery occlusion induced focal cerebral ischemia in rats. *Behavioural Brain Research*. 2011

113. Katyal J, **Gupta YK**. Dopamine release is involved in antinociceptive effect of theophylline. *Int J Neurosci*. 2011.
114. Pahuja M, Mehla J, Reeta KH, Joshi S, **Gupta YK**. Hydroalcoholic extract of *Zizyphus jujuba* ameliorates seizures, oxidative stress, and cognitive impairment in experimental models of epilepsy in rats. *Epilepsy Behav*. 2011;21(4):356-63.
115. Padhy BM, Gupta P, **Gupta YK**. Analysis of the compliance of informed consent documents with good clinical practice guideline. *Contemp Clin Trials*. 2011 ;32(5):662-6.
116. Singh S, Nair V, **Gupta YK**. Linseed Oil: An Investigation of its Antiarthritic Activity in Experimental Models. *Phytother Res*. 2011; 8.
117. Padhy BM, **Gupta YK**. Drug repositioning: re-investigating existing drugs for new therapeutic indications. *J Postgrad Med*. 2011;57(2):153-60.
118. Reeta KH, Mehla J, Pahuja M, **Gupta YK**. Pharmacokinetic and pharmacodynamic interactions of valproate, phenytoin, phenobarbitone and carbamazepine with curcumin in experimental models of epilepsy in rats. *Pharmacol Biochem Behav*. 2011;99(3):399-407.
119. **Gupta YK**, Padhy BM. India's growing participation in global clinical trials. *Trends Pharmacol Sci*. 2011;32(6):327-9. Epub 2011 Apr 12.
120. Padhy BM, Shanmugam SP, **Gupta YK**, Goyal A. Reversible posterior leucoencephalopathy syndrome in an elderly male on sunitinib therapy. *Br J Clin Pharmacol*. 2011;71(5):777-9.
121. Padhy BM, **Gupta YK**, Shanmugam SP, Bamrolia NR. An unusual case of allopurinol hypersensitivity syndrome potentiated by intravitreal bevacizumab. *Eur J Clin Pharmacol*. 2011;67(5):537-8.
122. Sharma S, Gulati S, Kabra M, Kalra V, Vasisht S, **Gupta YK**. Blood ammonia levels in epileptic children on 2 dose ranges of valproic acid monotherapy: a cross-sectional study. *J Child Neurol*. 2011;26(1):109-12.
123. Nair V, Singh S, **Gupta YK**. Evaluation of the disease modifying activity of *Colchicum luteum* Baker in experimental arthritis. *J Ethnopharmacol*. 2011 27;133(2):303-7.
124. Pillai AK, Sharma KK, **Gupta YK**, Bakhshi S. Anti-emetic effect of ginger powder versus placebo as an add-on therapy in children and young adults receiving high emetogenic chemotherapy. *Pediatr Blood Cancer*. 2011;56(2):234-8.

## Publications in Indexed National Journals

1. J.C. Agarwal, **Y.K. Gupta**, V.S. Mishra, K.P. Bhargava, K. Shanker. Synthesis and cardiovascular activity of some newer silicon substituted dithiocarbamates and thiocarbamides. *Ind Drugs* 1979; 16(10): 231-233.
2. J.C. Agarwal, **Y.K. Gupta**, K.P. Bhargava, K. Shanker. New indolyl hypotensive agents. *Curr Sci* 1980; 40(9): 339-342.
3. J. C. Agarwal, **Y.K. Gupta**, K.P. Bhargava, K. Shanker. Compounds acting on C.V.S. Part-I: Synthesis of 1-(p-substituted-benzyl amino phenyl) -4-aryl-piperazines. *Ind J Chem* 1981; 20(B): 512-514.
4. J.C. Agarwal, **Y.K. Gupta**, K.P. Bhargava, K. Shanker. Compounds acting on cardiovascular system Part III-Synthesis of some new thiobarbituric acid derivatives. *Ind J Chem* 1981; 20(B): 714-716
5. **Y.K. Gupta**, D.C. Daval, C..Nath, R.C. Saxena, K.P. Bhargava. Evaluation of carbonated solution of xylocaine as local anaesthetic. *Ind J Med Res* 1982; 75: 575-582.
6. **Y.K. Gupta**, Enkephalin receptors in emetic chemoreceptor trigger zone and its significance. *Sci Acad medals for young Scientists-Lectures* 1982; 74-78.
7. **Y.K. Gupta**, K. Kishore, S.D. Seth. Labetalol: Dual adrenoceptor blocker in cardiovascular disorders. *J Anaesth Clin Pharmacol* 1986; 2: 46-56.
8. K. Kheterpal, S.B. Lall, S. Rajdev, **Y.K. Gupta**. Effect of Calcium Channel blockers and saralasin on angiotensin II induced contraction in rabbit aortic strip. *Ind J Physiol Pharmacol* 1986; 30(2) : 167-170.
9. S.B. Lall, K. Kheterpal, S. Rajdev, **Y.K. Gupta**. The effect of acute and chronic treatment of verapamil on pressor response to angiotensin II in rats. *Ind J Physiol Pharmacol* 1986; 30(2): 145-148.
10. S.D. Seth, S.K. Maulik, **Y.K. Gupta**. Calcium channel blockers: basic and clinical considerations. *Ind J Exp Biol* 1987; 25: 727-741.
11. **Y.K. Gupta**, K. Kishore, N. Basu. Comparison of bioavailability and efficacy of four aspirin tablets. *The Eastern Pharmacist* 1988; 31(372); 125-127.
12. **Y.K. Gupta**, P. Bhandari, A. Chugh, S.D. Seth, K. S. Dixit, K.P. Bhargava. Role of endogenous opioids and histamine on morphine induced emesis. *Ind J Exp Biol* 1989; 27;52-54.

13. **Y.K. Gupta**, A. Chugh, P. Bhandari, S.D. Seth. Effect of intra cerebroventricular administration of angiotensin II on emetic reflex in dogs. *Ind J Exp Biol* 1989; 27: 576-577.
14. **Y.K. Gupta**, A. Chugh, S. Arora, S.D. Seth. Modulation of morphine induced antinociception by intracerebroventricularly-administered captopril. *Ind J Exp Biol* 1991; 29: 543-545.
15. S.K. Maulik, S.D. Seth, S.C. Manchanda, K.S. Reddy, **Y.K. Gupta**, M. G. Maulik. Effect of Verapamil post-treatment in Myocardial reperfusion injury. *Ind J Exp Biol* 1993; 31:120-124.
16. S.D. Seth, S.K. Maulik, S.C. Manchanda, M.G. Maulik, K.S. Reddy, **Y.K. Gupta**. Recovery from reperfusion injury intact canine heart by nifedipine. *Ind J Exp Biol* 1993; 31: 963-966.
17. A Chugh, **Y.K. Gupta**, S.D. Seth, V.S. Mehta, P.N. Tandon. Evaluation of anaesthetic agents for an experimental model of neurogenic pulmonary edema. *Ind J Anaesthesiol Clin Pharmacol* 1993; 9(3): 221-226.
18. **Y.K. Gupta**, A. Prakash. Therapeutic potentials of 5-HT Receptor Modulators. *Ind J Pharmacol* 1994; 26(2): 94-107.
19. B Bhargava, S. Chandra, V. Kacker, **Y.K. Gupta**, U. Kaul, S.D Seth, H.S Wasir. Changes in circulatory Biogenic Amines during Head-Up Tital Testing in Neurocardiogenic Syncope. *Ind Heart J*; 1996: 659-663.
20. **Y.K. Gupta**, J. Malhotra. Effect of theophylline on diazepam and sodium valproate protection in pentylenetetrazole kindled seizures in rats. *Ind J Physiol Pharmacol* 1997; 41 (3): 280 - 284.
21. **Y.K. Gupta**, J. Malhotra. Adenosinergic system as an endogenous anticonvulsant mechanism. *Ind J Physiol Pharmacol* 1997; 41 (4): 329 - 343.
22. **Y.K. Gupta**, J. Malhotra. Influence of adenosine agonists and antiepileptic drugs on theophylline – induced seizures in rats. *Ind J Physiol Pharmacol* 1998; 42 (4) : 491 - 497.
23. **Y.K. Gupta**, Anita Chugh, V. Kacker, V.S. Mehta, P.N. Tandon. Development of Neurogenic Pulmonary Edema at different grades of Intracranial Pressure. *Ind J Physiol Pharmacol* 1998; 42(1): 71-80.
24. **Y.K. Gupta**, J. Malhotra, B. George, S.K. Kulkarni. Methods and considerations for experimental evaluation of antiepileptic drugs. *Ind J Physiol Pharmacol* 1999; 43 (1): 25 - 43.
25. **Gupta YK**, Gupta M. Post traumatic epilepsy: a review of scientific evidence. *Indian J Physiol Pharmacol*. 2006; 50(1):7-16. Review.

26. Gupta M, Kohli K, **Gupta YK**. Modulation of serum concentrations of melatonin by carbamazepine and valproate. *Indian J Physiol Pharmacol* . 2006 r;50(1):79-82.
27. Briyal S, Pant AB, **Gupta YK**. Protective effect of endothelin antagonist (TAK-044) on neuronal cell viability in in vitro oxygen-glucose deprivation model of stroke. *Indian J Physiol Pharmacol*. 2006;50(2):157-62.
28. Thomas MK, **Gupta YK**. Drug-eluting stents: a pharmacoclinical perspective. *Natl Med J India*. 2006;19( 4):195-9. Review.
29. Gupta M, Kohli K, Kumar D, **Gupta YK**. A reverse phase high performance liquid chromatography method for simultaneous estimation of melatonin, carbamazepine epoxide and carbamazepine simultaneously in serum. *Indian J Physiol Pharmacol*. 2006;50(4):427-30.
30. Singh S, Nair V, Jain S, **Gupta YK**. Evaluation of anti-inflammatory activity of plant lipids containing alpha-linolenic acid. *Indian J Exp Biol*. 2008;46(6):453-6
31. Gupta M, **Gupta YK**. Can large animal experiments be totally replaced by alternatives? *Indian J Physiol Pharmacol*. 2008;52(3):215-6.
32. **Gupta YK**, Katyal J, Kumar G, Mehla J, Katiyar CK, Sharma N, Yadav S. Evaluation of antitussive activity of formulations with herbal extracts in sulphur dioxide (SO<sub>2</sub>) induced cough model in mice. *Indian J Physiol Pharmacol*. 2009;53(1):61-6.
33. **Gupta YK**, Reeta KH. Pharmacological aspects of drugs for breast disorders. *J Postgrad Med Edu Training Res* 2006; 1(3):30-36.
34. **Gupta YK**. Ensuring Patient Safety - Launching the New Pharmacovigilance Programme of India. *Pharmatimes* 2010; 42 (8): 21-26.
35. **Gupta YK**, Dahiya AK, Reeta KH. Gaso-transmitter hydrogen sulphide: potential new target in pharmacotherapy. *Indian J Exp Biol*. 2010;48(11):1069-77.
36. **Gupta YK**, Padhy BM. Issues in pharmacotherapy of 2009 H1N1 influenza infection. *J Postgrad Med*. 2010 ;56(4):321-7.
37. **Gupta YK**, Briyal S, Gulati A. Therapeutic potential of herbal drugs in cerebral ischemia. *Indian J Physiol Pharmacol*. 2010;54(2):99-122.
38. **Gupta YK**, Chauhan A. Potential of immunosuppressive agents in cerebral ischaemia. *Indian J Med Res*. 2011;133:15-26.