

Publications

Sl No.	Authors	Title	Journal	IF
53	Trivedi PP, Tripathi DN & Jena GB	Hesperetin protects testicular toxicity of doxorubicin in rat: Role of NFκB, p38.	Food Chem Toxicol. 2010 (in press)	2.1
52	Mughal A, Vikram A, Kushwaha S & Jena GB	Simultaneous use of erythropoietin and prior bleeding enhances the sensitivity of the peripheral blood micronucleus assay.	Mutagenesis. 2010 Nov 15 (in press)	3.5
51	Mughal A, Vikram A, Ramarao P & Jena GB	Micronucleus and comet assay in the peripheral blood of juvenile rat: establishment of assay feasibility, time of sampling and the induction of DNA damage	Mutation Res. 2010 Jul 19; 700(1-2):86-94.	2.6
50	Trivedi PP, Kushwaha S, Tripathi DN & Jena GB	Evaluation of male germ cell toxicity in rats: correlation between sperm head morphology and sperm comet assay..	Mutation Res. 2010 Dec 21;703(2):115-21	2.6
49	Kushwaha S, Vikram A & Jena GB	Protective effects of enalapril in streptozotocin-induced diabetic rat: Studies with DNA damage, apoptosis and expression of CCN2 in the heart, kidney and liver.	Journal of Applied Toxicology, 2011 (Accepted)	1.9
48	Vikram A, Jena GB & Ramarao P	Insulin-resistance and benign prostatic hyperplasia: the connection	European Journal of Pharmacology, 2010, 641, 75-81.	2.6
47	Vikram A, Kushwaha S & Jena GB	Relative influence of testosterone and insulin in the prostatic cell proliferation and growth	Steroids, 2011 (In-press)	2.9
46	A. Vikram, Jena GB & Ramarao P	Insulin resistance reduces botulinum neurotoxin type-A induced prostatic atrophy and apoptosis in rats	European Journal of Pharmacology. 2011, 650, 356-363	2.6
45	Vikram A, Jena GB & Ramarao P	Pioglitazone attenuates prostatic enlargement in diet induced insulin-resistant rats by altering lipid distribution and reversing hyperinsulinemia.	British Journal of Pharmacology, 2010, 161, 1708-1721.	5.2
44	A. Vikram & Jena GB	Role of insulin and testosterone in prostatic growth: Who is doing what?	Medical Hypothesis, 2010, (In press).	1.4
43	Vikram A & Jena GB	S961, an insulin receptor antagonist causes hyperglycemia, hyperinsulinemia, insulin-resistance and depletion of energy stores in rats.	Biochemical Biophysical Research Communications, 2010, 398, 260-265.	2.6
42	Jena GB , Vikram A, Tripathi DN & Ramarao P	Use of chemoprotectants in chemotherapy and radiation therapy: The Challenges of Selecting an Appropriate Agent	Integrative Cancer Therapies, 2010, 9, 253-258.	2.2
41	Tripathi DN & Jena GB	Effect of melatonin on the expression of Nrf2 and NF-κB during cyclophosphamide induced urinary bladder injury in rat.	Journal of Pineal Research, 2010, 48, 324-331.	5.2

40	Mondal S, Tripathi DN, Vikram A, Ramarao P & Jena GB	Furosemide-induced oxidative stress, genotoxicity and cytotoxicity in mice hepatocytes but weak genotoxicity in the bone marrow cells.	Fundamental and clinical Pharmacology, 2011 (In press)	2.2
39	Sapana, Tripathi DN, Vikram A, Ramarao P & Jena GB	Evaluation of multi-organ DNA damage by single cell gel electrophoresis assay (SCGE) from 28 days repeated dose oral toxicity test: A practical approach for test integration in regulatory toxicity testing.	Regulatory Toxicology and Pharmacology, 2010, 58, 145-154.	2.4
38	Tripathi DN & Jena GB	Astaxanthin intervention ameliorates cyclophosphamide-induced oxidative stress, DNA damage and early hepatocarcinogenesis in rat: Role of Nrf2, p53, p38 and phase-II enzymes.	Mutation Res, 2010,696(1): 69-80.	2.6
37	Jena GB , Vikram A & Tripathi DN	Integration of Genotoxicity Tests into Routine Toxicity Testing in Pre-Clinical Drug Development: A Regulatory Perspective.	Current Research & Information in Pharmaceutical Sciences, (2009) 10(2) 22-24.	NA
36	Jena GB , Trivedi P & Mughal A	The Application of the Principles of Good Laboratory Practice (GLP) in Regulatory Toxicity Studies.	Current Research & Information in Pharmaceutical Sciences, (2009) 10(2) 25-28.	NA
35	Dadhania VP, Tripathi DN, Vikram A, Ramarao P & Jena GB	Intervention of α -lipoic acid ameliorates methotrexate induced oxidative stress and genotoxicity: A study in rat intestine.	Chemico-biological Interaction, 2010, 183(1): 85-97	2.4
34	Gupta C, Tripathi DN, Vikram A, Ramarao P & Jena GB	Quercetin inhibits induction of DEN initiated and γ -BHC promoted pre-neoplastic lesions in the liver of rat.	Nutrition and Cancer, 2011 (In press)	2.2
33	Vikram A, Jena GB & Ramarao P	Increased cell proliferation and enhanced contractility of prostate in insulin resistant rats: linking hyperinsulinemia with benign prostatic hyperplasia	The Prostate, 2010,70(1):79 to 89.	3.5
32	Tripathi DN & Jena GB	Intervention of astaxanthin against cyclophosphamide-induced oxidative stress and DNA damage: a study in mice.	Chemico-Biological Interactions, 2009, 180: 398-406	2.4
31	Saandeep K, Vikram A, Tripathi DN, Ramarao P & Jena GB	Influence of Hyperglycaemia on Chemical-Induced Toxicity: Study with Cyclophosphamide in Rat.	Basic and Clinical Pharmacology and Toxicology, 2009, 105(4): 236-242.	2.1
30	Gupta C, Vikram A, Tripathi DN, Ramarao P & Jena GB	Quercetin Modulates Diethylnitrosamine Induced Hepatotoxicity in Rats	Phytotherapy Research 2009 (In Press)	1.8
29	Padmanabhan S, Tripathi DN, Vikram A, Ramarao P & Jena GB	Methotrexate-induced Cytotoxicity and Genotoxicity in Germ Cells of Mice: Intervention of Folic and Folinic Acid	Mutation Research, 2009, 673: 43-52	2.6
28	Pawar AA, Tripathi DN, Vikram A, Ramarao P & Jena GB	Modulation of Mitomycin-C induced genotoxicity by acetyl and thio-analogue of salicylic acid.	In Vivo, 2009, 23: 303-307	1.1

27	Tripathi DN & Jena GB	Ebselen attenuates cyclophosphamide-induced oxidative stress and DNA damage in mice	Free Radical Research, 2008, 42: 966-977	2.8
26	Padmanabhan S, Tripathi DN, Vikram A, Ramarao P & Jena GB	Cytotoxic and genotoxic effect of methotrexate in germ cells of male swiss mice.	Mutation Research, 2008, 655:59-67.	2.6
25	Vikram A, Tripathi DN, Pawar AA, Ramarao P & Jena GB	Pre-Bled-Young-Rats in Genotoxicity Testing: A Model for Peripheral Blood Micronucleus Assay	Regulatory Toxicology and Pharmacology, 2008,52(2): 147-157.	2.4
24	Tripathi DN & Jena GB	Astaxanthin Inhibits Cytotoxic and Genotoxic Effects of Cyclophosphamide in Mice Germ Cells	Toxicology,2008, 208(2-3):96-103	2.9
23	Tripathi DN, Pawar AA, Vikram A, Ramarao P & Jena GB	Use of the Alkaline Comet Assay for the Detection of Transplacental Genotoxins in Newborn Mice	Mutation Research, 2008 653(1-2):134-139	2.6
22	Vikram A, Tripathi DN, Ramarao P & Jena GB	Evaluation of Streptozotocin Genotoxicity in Rats from Different Ages using the Micronucleus Assay	Regulatory Toxicology and Pharmacology,2007,49:238-244.	2.1
21	Vikram A, Tripathi DN, Ramarao P & Jena GB	Intervention of D-Glucose ameliorates toxicity of streptozotocin in accessory organs of rat	Toxicology and Applied Pharmacology, 2008, 226, 84-93.	3.9
20	Pawar AA, Tripathi DN, Ramarao P & Jena GB	Protective effects of American ginseng (<i>Panax quiquefolium</i>) against mitomycin C induced micronuclei in mice	Phytotherapy Res, 2007,21 (12):1221-7	1.8
19	Vikram A, Ramarao P & Jena GB	Prior bleeding enhances the sensitivity of peripheral blood and bone marrow micronucleus tests in rats.	Mutagenesis, 2007,22(4):287-91	3.5
18	Kalra S, Jena GB , Tikoo K & Mukhopadhyay AK	Preferential inhibition of xanthine oxidase by 2-amino-6-hydroxy-8-mercaptapurine and 2-amino-6-purine thiol	BMC Biochemistry,2007, 8:8	NA
17	Jena GB , Kaul CL & Ramarao P	Regulatory requirements and ICH guidelines on carcinogenicity testing of pharmaceuticals: A review on current status.	Indian Journal of Pharmacology, 2005, 37(4):209-222.	NA
16	Jena GB , Sharma V, Ramarao P, Kaul CL & Tikoo KB	Use of DNA microarray in drug safety evaluation: A paradigm shift.	Cur Res & Inf in Pharm Sci., 2004 5(3):2-6.	NA
15	Jain M, Vangapandu S, Sachdeva S, Singh S, Singh PP, Jena GB , Tikoo K, Ramarao P & Kaul CL	Discovery of a bulky 2-tert-butyl group containing primaquine analogue that exhibits potent blood schizontocidal antimalarial activities and complete elimination of methemoglobin toxicity.	Journal of Medicinal Chemistry, 2004, 47(2):287-289.	4.9
14	Jena GB , Ramarao P & Kaul, CL	Genotoxicity Testing: A Regulatory Requirement for Drug Development: Impact of ICH guidelines.	Indian Journal of Pharmacology, 2002, 34:86-99.	NA
13	Nemmani VS Kumar, Jena GB , Dey CS, Kaul CL & Ramarao P	Immunomodulatory effect of Immu-21, a polyherbal formulation in mice in vivo.	Indian Journal of Experimental Biology, 2002, Vol.40: 282-287.	NA

12	Jena GB , Nemmani, VS Kumar, Kaul CL & Ramarao P	Protective effects of polyherbal compound (Immu-21) against cyclophosphamide induced mutagenicity in mice.	Phytotherapy Research, 2001, 17:306-310	1.8
11	Jena GB & Ramarao P	Genotoxic risk assessment in drug discovery and development: an overview of progress.	Cur Res & Inf in Pharm Sci. 2001, April-June, pp.9-11.	NA
10	Jena GB	Genetic Risk Assessment: Prospects and Paradigms. in: Indian Science Congress Souvenir "Science-Technology Vision-2000".	ISCA Souvenir, 2000. Pune, India, pp 157-160.	NA
9	Bhunya SP & Jena GB	The evaluation of clastogenic potential of trichloroacetic acid (TCA) in chick <i>in vivo</i> test system.	Mutation Research, 1996, 367 (4): 253-259	2.6
8	Bhunya SP & Jena GB	(1996) Clastogenic effects of copper sulphate in chick <i>in vivo</i> test system.	Mutation Research, 1996, 367:57-63.	2.6
7	Jena GB & Bhunya SP	Use of chick, <i>Gallus domesticus</i> , as an <i>in vivo</i> model for the study of chromosome aberration: A study with mitomycin C and probable location of a 'hot spot'.	Mutation Research, 1995, 334:167-174.	2.6
6	Bhunya SP & Jena GB	Genotoxicity testing of carbaryl, An <i>in vivo</i> study in chicks..	Persp. Cytol. & Genet (Ed. G.K. Manna) 8:503-507	NA
5	Bhunya SP & Jena GB	Evaluation of a technical grade organophosphate insecticide tafethion (ethion) in chicks,	In Vivo, 1994, 8: 1087-1090.	1.1
4	Jena GB & Bhunya SP	Mutagenicity of an organophosphate insecticide, acephate an <i>in vivo</i> study in chicks.	Mutagenesis, 1994, 9 (4):319-324	3.5
3	Bhunya SP & Jena GB	Studies on genotoxicity of monocrotophos (insecticide) in chick <i>in vivo</i> test system.	Mutation Research, 1993, 292:231-239	2.6
2	Jena GB & Bhunya, SP	Thirty day genotoxicity study of an organophosphate insecticide, Monocrotophos in chick <i>in vivo</i> test system	In Vivo. 1992, 6:527-530.	1.1
1	Bhunya SP & Jena GB	Genotoxic potential of an organophosphate insecticide lindane (γ -BHC): An <i>in vivo</i> study in chicks	Mutation Research, 1992, 272:175-181	2.6

Research in news

- (1) Insulin resistance and benign prostatic hyperplasia: the connection. **Urotoday**. **A. Vikram**, G. B. Jena and P. Ramarao.
- (2) Beyond the abstract: Insulin resistance and benign prostatic hyperplasia: the connection. **Urotoday**. **A. Vikram**, and G. B. Jena. **Invited Commentary**
- (3) Insulin resistance and benign prostatic hyperplasia. **Diabetes in Control**. **A. Vikram** and G. B. Jena.
- (4) Insulin resistance and benign prostatic hyperplasia: The connection. **Medical News Today**. **A. Vikram** and G. B. Jena.
- (5) Insulin resistance and benign prostatic hyperplasia: The connection. **Medicalnewser**. **A. Vikram** and G.B. Jena.

- (6) Insulin-resistance may increase chances of benign prostatic hyperplasia. **WebBPH. A. Vikram** and G. B. Jena.
- (7) **Editorial Comment** by **Steven A. Kaplan** on " Increased cell proliferation and contractility of prostate gland in insulin-resistant rats: Linking hyperinsulinemia with prostatic hyperplasia. *Prostate*, 1 (2010) 79-89. In **J. Urology**, 184 (2010) 1221.

Pass out Students & Affiliations:

Name of the students	Degree and year of pass out	Affiliations
Durganand Tripathi	PhD/2010	Post-Doctoral Fellow, M.D. Anderson Cancer Center, USA
Priyanka P Trivedi	MS Pharm (Regul Toxicol)/2010	Pursuing Ph.D. at NIPER, SAS Nagar, India
Amreen Mughal	MS Pharm (Regul Toxicol)/2010	Scientist, Biocon, Bangalore, India
Murli Mishra	MS Pharm (Regul Toxicol)/2010	WNS, Gurgaon, India
Nishant Bagherwal	MS Pharm (Pharm & Toxicol)/2010	Pharmacist at PGIMER, Chandigarh, India
Kuldeep Sharma	MS Pharm (Pharm & Toxicol)/2010	Windlas Biotech Ltd., Dehradun
Ramanjaneyulu SVVS	MS Pharm (Pharm & Toxicol)/2010	Toxicologist, Nicholas Piramal, Mumbai, India
Sapna	MS Pharm (Regul Toxicol)/2009	Pursuing Ph.D. at NIPER, SAS Nagar, India
Dadhania Vivek	MS Pharm (Pharm & Toxicol)/2009	Toxicologist, Johnson and Johnson, Mumbai, India
Sambhu Charan Mondal	MS Pharm (Pharm & Toxicol)/2009	Lecturer at MIET, Uttar Pradesh, India
Chanchal Gupta	MS Pharm (Pharm & Toxicol)/2008	Pursuing Ph.D. at NIPER, SAS Nagar, India
Sandeep K	MS Pharm (Pharm & Toxicol)/2008	EVS, Gurgaon, India
Shweta Padmanabhan	MS Pharm (Pharm & Toxicol)/2008	Bristol Mayer Squibb, Bangalore, India
Ajit Vikram	MS Pharm (Pharm & Toxicol)/2007	Pursuing Ph.D. at NIPER, SAS Nagar, India
Amol A Pawar	MS Pharm (Pharm & Toxicol)/2007	Pursuing Ph.D. at IIT, Mumbai, India