Mukul Das

List of Publications by Citations

82 papers	2,980 citations	32 h-index	52 g-index
83 ext. papers	3,228 ext. citations	4.8 avg, IF	5.01 L-index

#	Paper	IF	Citations
82	DNA damaging potential of zinc oxide nanoparticles in human epidermal cells. *Toxicology Letters*, **2009**, 185, 211-8	4.4	470
81	Zinc oxide nanoparticles induce apoptosis by enhancement of autophagy via PI3K/Akt/mTOR inhibition. *Toxicology Letters*, **2014**, 227, 29-40	4.4	151
80	Clinicoepidemiological, toxicological, and safety evaluation studies on argemone oil. *Critical Reviews in Toxicology*, **1997**, 27, 273-97	5.7	112
79	A comprehensive review of legume allergy. *Clinical Reviews in Allergy and Immunology*, **2013**, 45, 30-46	12.3	106
78	Role of oxidative stress in Deoxynivalenol induced toxicity. *Food and Chemical Toxicology*, **2014**, 72, 20-9	4.7	95
77	Protection against 3-methylcholanthrene-induced skin tumorigenesis in Balb/C mice by ellagic acid. *Biochemical and Biophysical Research Communications*, **1984**, 119, 751-7	3.4	94
76	Effect of ellagic acid on hepatic and pulmonary xenobiotic metabolism in mice: studies on the mechanism of its anticarcinogenic action. *Carcinogenesis*, **1985**, 6, 1409-13	4.6	80
75	Mechanism of uptake of ZnO nanoparticles and inflammatory responses in macrophages require PI3K mediated MAPKs signaling. *Toxicology in Vitro*, **2014**, 28, 457-67	3.6	74
74	Plant phenols as in vitro inhibitors of glutathione S-transferase(s). *Biochemical and Biophysical Research Communications*, **1984**, 120, 427-33	3.4	74
73	Interactive threats of nanoparticles to the biological system. *Immunology Letters*, **2014**, 158, 79-87	4.1	73
72	Molecular mechanisms of IgE mediated food allergy. *International Immunopharmacology*, **2012**, 13, 432-9	3.8	71
71	Surveillance on use of synthetic colours in eatables vis a vis Prevention of Food Adulteration Act of India. *Food Control*, **2007**, 18, 211-219	6.2	68
70	Citrinin-generated reactive oxygen species cause cell cycle arrest leading to apoptosis via the intrinsic mitochondrial pathway in mouse skin. *Toxicological Sciences*, **2011**, 122, 557-66	4.4	60
69	Maillard reaction in food allergy: Pros and cons. *Critical Reviews in Food Science and Nutrition*, **2018**, 58, 208-226	11.5	59
68	Ellagic acid: a potent naturally occurring inhibitor of benzo[a]pyrene metabolism and its subsequent glucuronidation, sulfation and covalent binding to DNA in cultured BALB/C mouse keratinocytes. *Carcinogenesis*, **1984**, 5, 1565-71	4.6	53
67	Sunset yellow FCF, a permitted food dye, alters functional responses of splenocytes at non-cytotoxic dose. *Toxicology Letters*, **2013**, 217, 197-204	4.4	48
66	Clinical complications of kidney bean (Phaseolus vulgaris L.) consumption. *Nutrition*, **2013**, 29, 821-7	4.8	47

65	Health Risks and Benefits of Chickpea (Cicer arietinum) Consumption. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 6-22	5.7	47
64	In vivo DNA damaging potential of sanguinarine alkaloid, isolated from argemone oil, using alkaline Comet assay in mice. *Food and Chemical Toxicology*, **2005**, 43, 147-53	4.7	47
63	Deoxynivalenol induced mouse skin cell proliferation and inflammation via MAPK pathway. *Toxicology and Applied Pharmacology*, **2014**, 279, 186-97	4.6	45
62	Correlation of DNA damage in epidemic dropsy patients to carcinogenic potential of argemone oil and isolated sanguinarine alkaloid in mice. *International Journal of Cancer*, **2005**, 117, 709-17	7.5	45
61	Impact of thermal processing on legume allergens. *Plant Foods for Human Nutrition*, **2012**, 67, 430-41	3.9	44
60	Cytotoxicity and uptake of zinc oxide nanoparticles leading to enhanced inflammatory cytokines levels in murine macrophages: comparison with bulk zinc oxide. *Journal of Biomedical Nanotechnology*, **2011**, 7, 110-1	4	44
59	Toxicological mode of action of ZnO nanoparticles: Impact on immune cells. *Molecular Immunology*, **2015**, 63, 184-92	4.3	41
58	Role of mitogen activated protein kinases in skin tumorigenicity of patulin. *Toxicology and Applied Pharmacology*, **2011**, 257, 264-71	4.6	40
57	Oxidative damage of plasma proteins and lipids in epidemic dropsy patients: alterations in antioxidant status. *Biochimica Et Biophysica Acta - General Subjects*, **2005**, 1722, 209-17	4	40
56	In vitro studies on immunotoxic potential of Orange II in splenocytes. *Toxicology Letters*, **2012**, 208, 239-45	4.4	37
55	Unequivocal evidence of genotoxic potential of argemone oil in mice. *International Journal of Cancer*, **2004**, 112, 890-5	7.5	37
54	Biochemical toxicology of argemone oil. I. Effect on hepatic cytochrome P-450 and xenobiotic metabolizing enzymes. *Journal of Applied Toxicology*, **1991**, 11, 203-9	4.1	36
53	Biochemical toxicology of argemone oil. IV. Short-term oral feeding response in rats. *Toxicology*, **1989**, 58, 285-98	4.4	36
52	Topical application of ochratoxin A causes DNA damage and tumor initiation in mouse skin. *PLoS ONE*, **2012**, 7, e47280	3.7	35
51	Role of antioxidants and scavengers on argemone oil-induced toxicity in rats. *Archives of Environmental Contamination and Toxicology*, **1991**, 20, 531-7	3.2	33
50	Skin tumorigenic potential of aflatoxin B1 in mice. *Food and Chemical Toxicology*, **2006**, 44, 670-7	4.7	31
49	Partial characterization of red gram (Cajanus cajan L. Millsp) polypeptides recognized by patients exhibiting rhinitis and bronchial asthma. *Food and Chemical Toxicology*, **2010**, 48, 2725-36	4.7	30
48	Chickpea (Cicer arietinum) proteins induce allergic responses in nasobronchial allergic patients and BALB/c mice. *Toxicology Letters*, **2012**, 210, 24-33	4.4	29

47	Usage pattern of synthetic food colours in different states of India and exposure assessment through commodities preferentially consumed by children. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2011**, 28, 996-1005	3.2	29
46	A simple method for simultaneous determination of basic dyes encountered in food preparations by reversed-phase HPLC. *Journal of AOAC INTERNATIONAL*, **2011**, 94, 1874-81	1.7	27
45	Effect of sanguinarine on the transport of essential nutrients in an everted gut sac model: role of Na+,K(+)-ATPase. *Natural Toxins*, **1993**, 1, 235-40		27
44	Allergenic responses of red kidney bean (Phaseolus vulgaris cv chitra) polypeptides in BALB/c mice recognized by bronchial asthma and allergic rhinitis patients. *Food Research International*, **2011**, 44, 2868-2879	3.7	24
43	Phytohemagglutinins augment red kidney bean (Phaseolus vulgaris L.) induced allergic manifestations. *Journal of Proteomics*, **2013**, 93, 50-64	3.9	23
42	Adulteration of mustard cooking oil with argemone oil: do Indian food regulatory policies and antioxidant therapy both need revisitation?. *Antioxidants and Redox Signaling*, **2007**, 9, 515-25	8.4	22
41	Allergenic Diversity among Plant and Animal Food Proteins. *Food Reviews International*, **2012**, 28, 277-298	3.5	21
40	A Novel Method for the Determination of Synthetic Colors in Ice Cream Samples. *Journal of AOAC INTERNATIONAL*, **2004**, 87, 657-663	1.7	21
39	All India survey for analyses of colors in sweets and savories: exposure risk in Indian population. *Journal of Food Science*, **2013**, 78, T642-7	3.4	20
38	Probing novel allergenic proteins of commonly consumed legumes. *Immunopharmacology and Immunotoxicology*, **2009**, 31, 186-94	3.2	20
37	Deoxynivalenol induced mouse skin tumor initiation: Elucidation of molecular mechanisms in human HaCaT keratinocytes. *International Journal of Cancer*, **2016**, 139, 2033-46	7.5	17
36	Edible oil adulterants, argemone oil and butter yellow, as aetiological factors for gall bladder cancer. *European Journal of Cancer*, **2012**, 48, 2075-85	7.5	17
35	Biochemical toxicology of argemone oil. Role of reactive oxygen species in iron catalyzed lipid peroxidation. *Bulletin of Environmental Contamination and Toxicology*, **1991**, 46, 422-30	2.7	16
34	Macrophages in food allergy: an enigma. *Molecular Immunology*, **2013**, 56, 612-8	4.3	15
33	Skin tumor promotion by argemone oil/alkaloid in mice: evidence for enhanced cell proliferation, ornithine decarboxylase, cyclooxygenase-2 and activation of MAPK/NF-kappaB pathway. *Food and Chemical Toxicology*, **2010**, 48, 132-8	4.7	15
32	Prevalence of legume sensitization in patients with naso-bronchial allergy. *Immunopharmacology and Immunotoxicology*, **2008**, 30, 529-42	3.2	15
31	Safety evaluation studies on argemone oil through dietary exposure for 90days in rats. *Food and Chemical Toxicology*, **2006**, 44, 1151-7	4.7	15
30	Protective effect of bioantioxidants on argemone oil/sanguinarine alkaloid induced genotoxicity in mice. *Cancer Letters*, **2006**, 244, 109-18	9.9	15

29	Peptide based immunotherapy: a pivotal tool for allergy treatment. *International Immunopharmacology*, **2014**, 19, 391-8	5.8	14
28	Simultaneous Determination of Eight Synthetic Permitted and Five Commonly Encountered Nonpermitted Food Colors in Various Food Matrixes by High-Performance Liquid Chromatography. *Journal of AOAC INTERNATIONAL*, **2010**, 93, 1503-1514	1.7	13
27	An outbreak of tricresyl phosphate poisoning in Calcutta, India. *Food and Chemical Toxicology*, **1990**, 28, 303-4	4.7	13
26	Leucoagglutinating phytohemagglutinin: purification, characterization, proteolytic digestion and assessment for allergenicity potential in BALB/c mice. *Immunopharmacology and Immunotoxicology*, **2014**, 36, 138-44	3.2	12
25	Biochemical toxicology of argemone alkaloids. III. Effect on lipid peroxidation in different subcellular fractions of the liver. *Toxicology Letters*, **1988**, 42, 301-8	4.4	12
24	Glycation of clinically relevant chickpea allergen attenuates its allergic immune response in Balb/c mice. *Food Chemistry*, **2017**, 235, 244-256	8.5	11
23	Allergenicity potential of red kidney bean (Phaseolus vulgaris L.) proteins in orally treated BALB/c mice and passively sensitized RBL-2H3 cells. *Cellular Immunology*, **2013**, 284, 37-44	4.4	10
22	A molecular insight of CTLA-4 in food allergy. *Immunology Letters*, **2013**, 149, 101-9	4.1	10
21	Alterations in redox potential of glutathione/glutathione disulfide and cysteine/cysteine disulfide couples in plasma of dropsy patients with argemone oil poisoning. *Food and Chemical Toxicology*, **2008**, 46, 2409-14	4.7	10
20	Phaseolin: a 47.5kDa protein of red kidney bean (Phaseolus vulgaris L.) plays a pivotal role in hypersensitivity induction. *International Immunopharmacology*, **2014**, 19, 178-90	5.8	8
19	Induction of hepatic cytochrome P450 isozymes, benzo(a)pyrene metabolism and DNA binding following exposure to polycyclic aromatic hydrocarbon residues generated during repeated fish fried oil in rats. *Toxicology and Applied Pharmacology*, **2006**, 213, 126-34	4.6	8
18	Allergic manifestation by black gram (Vigna mungo) proteins in allergic patients, BALB/c mice and RBL-2H3 cells. *International Immunopharmacology*, **2014**, 23, 92-103	5.8	7
17	Purification, characterization and allergenicity assessment of 26kDa protein, a major allergen from Cicer arietinum. *Molecular Immunology*, **2016**, 74, 113-24	4.3	6
16	Allergenic responses of green gram (Vigna radiata L. Millsp) proteins can be vitiated by induction of oral tolerance due to single acute dose in BALB/c mice. *Food Research International*, **2014**, 57, 130-141	7	6
15	Elucidation of immediate type I reactions in native and GM mustard (Brassica spp.). *Food Research International*, **2014**, 64, 810-821	7	6
14	Interaction of benzanthrone with cytochrome P450: altered patterns of hepatic xenobiotic metabolism in rats. *Journal of Biochemical Toxicology*, **1991**, 6, 37-44		6
13	Hypersensitivity linked to exposure of broad bean protein(s) in allergic patients and BALB/c mice. *Nutrition*, **2014**, 30, 903-14	4.8	5
12	Role of ErbB2 mediated AKT and MAPK pathway in gall bladder cell proliferation induced by argemone oil and butter yellow. Argemone oil and butter yellow induced gall bladder cell proliferation. *Cell Biology and Toxicology*, **2012**, 28, 149-59	7.4	5

11	Protective effect of topical application of Ɛtocopherol and/or N-acetyl cysteine on argemone oil/alkaloid-induced skin tumorigenesis in mice. *Nutrition and Cancer*, **2013**, 65 Suppl 1, 78-87	2.8	5
10	Activation of inflammatory response and apoptosis of polymorphonuclear leukocytes in patients with argemone oil poisoning. *Chemico-Biological Interactions*, **2010**, 183, 154-64	5	4
9	Interaction of sanguinarine alkaloid, isolated from argemone oil, with hepatic cytochrome p450 in rats. *Toxicology Mechanisms and Methods*, **2008**, 18, 635-43	3.6	4
8	Brain microsomal enzyme mediated covalent binding of benzo[a]pyrene to DNA. *Cancer Letters*, **1985**, 25, 343-50	9.9	4
7	Cutaneous exposure to clinically-relevant pigeon pea (Cajanus cajan) proteins promote T2-dependent sensitization and IgE-mediated anaphylaxis in Balb/c mice. *Journal of Immunotoxicology*, **2016**, 13, 827-841	3.1	4
6	Mutagens in Food **2018**, 133-160		3
5	Phenotype of hepatic xenobiotic metabolizing enzymes and CYP450 isoforms of sanguinarine treated rats: effect of P450 inducers on its toxicity. *Toxicology Mechanisms and Methods*, **2009**, 19, 510-7	3.6	3
4	Safety assessment of food derived from genetically modified crops **2020**, 655-673		
3	Argemone oil, an edible oil adulterant, induces systemic immunosuppression in Balb/c mice in an oral 28 days repeated dose toxicity study. *Chemico-Biological Interactions*, **2018**, 287, 57-69	5	
2	Recent advancements in the therapeutics of food allergy. *Recent Patents on Food, Nutrition & Agriculture*, **2013**, 5, 188-200	1.9	
1	Safety Assessment of Food Derived from Genetically Modified Crops **2014**, 509-524		