**CURRICULUM VITAE**

**Name**: KAUSAR MAHMOOD ANSARI

**Mailing Address:** Environmental Carcinogenesis Division,

CSIR-Indian Institute of Toxicology Research

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**Date of Birth:** July 15, 1976 **Gender:** Male

**Academic qualifications (beginning with the Bachelor’s degree)**

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| --- | --- | --- | --- | --- |
| Degree | Board/University | Year | Division | Subjects |
| B.Sc. | Dr. R M L Avadh University, Faizabad, U.P., India | 1997 | First | Biochemistry, Industrial Microbiology, Environmental Sciences |
| M.Sc. | Dr. R M L Avadh University, Faizabad, U.P., India | 1999 | First | Biochemistry |
| PhD | University of Lucknow, Lucknow, U.P., India | 2005 | - | Biochemistry |
| Post Doctoral  Fellowship | Department of Molecular Carcinogenesis, M D  Anderson Cancer Center, Smithville, TX, USA. | Nov, 2004- January, 2008 | - | Cancer Biology |

**Details of professional posts held (in chronological order starting from joining till date)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No. | Institution Place | Position | From (Date) | To (date) |
| 1 | CSIR-Indian Institute of Toxicology Research, Lucknow | Junior Scientist | Jan 31, 2008 | Jan 30, 2011 |
| 2. | CSIR-Indian Institute of Toxicology Research, Lucknow | Scientist | Jan 31, 2011 | Jan 30, 2015 |
| 3. | CSIR-Indian Institute of Toxicology Research, Lucknow | Senior Scientist | Jan 31, 2015 | Jan 30, 2019 |
| 4. | CSIR-Indian Institute of Toxicology Research, Lucknow | Principal Scientist | Jan 31, 2019 | Till date |

**Major achievements in the area of specialization:**

I have published 53 articles in this area.

Articles with Citation Data: 50

Sum of the times Cited: 1985

Average Citation per Article:19

h-index: 30

# Published Research Papers

1. I. Mukhopadhyay, **Kausar M. Ansari,**A. Nazir, D. K. Saxena, M. Das, S.K. Khanna and D.K. Chowdhuri (2002). Toxicity of argemoneoil:Effect on hsp 70 expression and tissue damage in transgenic Drosophila melanogaster (hsp 70 lac Z) Bg9. Cell Biology and Toxicology, 18; 1–11.
2. **Kausar M. Ansari,** L.K.S. Chauhan, A. Dhawan, S.K. Khanna and M. Das (2004). Unequivocal evidence of genotoxic potential of argemone oil in mice. International Journal of Cancer, 112; 890-895.
3. **Kausar M. Ansari,** A. Dhawan, S.K. Khanna and M. Das (2005). *In vivo* DNA damaging potential of sanguinarine alkaloid isolated from argemone oil using alkaline comet assay. Food and Chemical Toxicology, 43; 147-153.
4. M. Das, **Kausar M. Ansari,** A. Dhawan, Y. Shukla, and S.K Khanna (2005). Correlation of DNA damage in Epidemic Dropsy patients to carcinogenic potential of argemone oil and isolated sanguinarine alkaloid in mice. International Journal of Cancer,117 (5); 709-17.
5. **Kausar M. Ansari,** A. Dhawan, S.K. Khanna and M. Das (2006). Protective effect of bioantioxidants on argemone oil/sanguinarine alkaloid induce genotoxicity in mice. Cancer Letters, 244 (1); 109-18.
6. Kausar M. Ansari, You Me Sung,Guobin He and S. M. Fischer (2007). Prostaglandin receptor EP2 is responsible for cyclooxygense-2 induction by PGE2 in mouse skin. Carcinogenesis Oct;28(10); 2063-8.
7. **Kausar M. Ansari,** Joyce Rundhaug and Susan M. Fischer (2008). Multiple Signaling Pathways are Responsible for Prostaglandin E2-induced Murine Keratinocytes proliferation.Mol Cancer Res. 6; 1003-16.
8. Challagundla K. Babu, **Kausar M Ansari,** Sanjay Mehrotra, Subhash K. Khanna, Mukul Das (2008).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,46; 2409-2414.
9. Neha Saxena, Premendra D. Dwivedi, **Kausar M. Ansari** and Mukul Das (2008). Incidence of Patulin in Apple juices and its likely intake in Indian population. Food Additives and Contaminants: Part B,1:2;140-146.
10. Neha Saxena, **Kausar M. Ansari,** Rahul Kumar, AlokDhawan, Premendra D. Dwivedi and Mukul Das (2009). Patulin causes DNA damage leading to cell cycle arrest and apoptosis through modulation of Bax, P53 and P21/WAF1 proteins in skin of mice. Toxicology and Applied Pharmacology, 234(2); 192-201.
11. **Kausar M. Ansari\*** and Mukul Das (2010). Skin tumor promotion by argemone oil/alkaloid in mice: Evidence for enhanced cell proliferation, ornithine decarboxylase, cyclooxygenase-2 and activation of MAPK/NF-κappaB pathway. Food and Chemical Toxicology, 48; 132–138.
12. Challagundla K. Babu, **Kausar M. Ansari,** Sanjay Mehrotra, Satyananda Patel, MadhuDikshit, Mukul Das (2010). Activation of Inflammatory Response and Apoptosis of Polymorphonuclear Leukocytes in Patients with Argemone Oil Poisoning. ChemBiol Interact. 183(1);154-64.
13. **Kausar M. Ansari\*,** and Mukul Das (2010). Potentiation of tumour promotion by topical application of argemone oil/ isolated sanguinarine in a model of mouse skin carcinogenesis. ChemBiol Interact. 2010 Dec 5;188(3):591-7.
14. Mukul Das,**Kausar M. Ansari,**Anurag Tripathi and Premendra D Dwivedi(2011).Need for Safety of Nanoparticles Used in Food Industry. J. Biomed. Nanotechnol. 7, 13-14.
15. RituGoyal, S.K. Tripathi, S. Tyagi, K. Ravi Ram**, Kausar M. Ansari,**P. Kumar, Y. Shukla, D. KarChowdhuri and K. C Gupta (2011). Gella Gum-PEI Nanocomposities as Efficient Gene Delivery Agents. J. Biomed. Nanotechnol. 7, 38-39 (2011).
16. Premendra D. Dwivedi, Anurag Tripathi, **Kausar M. Ansari,** Rishi Shanker and Mukul Das (2011). Impact of Nanoparticles on the Immune System. J. Biomed. Nanotechnol. 7, 193-194.
17. RituGoyal, S.K. Tripathi, S. Tyagi, K. Ravi Ram, **Kausar M. Ansari,** Y. Shukla, D. KarChowdhuri, P. Kumar and K.C. Gupta (2011). [Gellan gum blended PEI nanocomposites as gene delivery agents: Evidences from in vitro and in vivo studies.](http://www.ncbi.nlm.nih.gov/pubmed/21272636)Eur J Pharm Biopharm. Sep;79(1):3-14.
18. Rahul Kumar, P. D. Dwivedi, A. Dhawan, M. Das and **Kausar M. Ansari\*** (2011). Citrinin generated reactive oxygen species causes cell cycle arrest leading to apoptosis via intrinsic mitochondrial pathway in mouse skin. [Toxicol Sci.](http://www.ncbi.nlm.nih.gov/pubmed/21622943) Aug;122(2):557-66.
19. Sushil K. [Tripathi](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Tripathi%20SK%22%5BAuthor%5D), R. Goyal, **Kausar M. Ansari**, K. Ravi Ram K, Y. [Shukla](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Shukla%20Y%22%5BAuthor%5D) , D.K. [Chowdhuri](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Chowdhuri%20DK%22%5BAuthor%5D), K. C. [Gupta](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Gupta%20KC%22%5BAuthor%5D)(2011). Polyglutamic acid-based nanocomposites as efficient non-viral gene carriers *in vitro* and *in vivo*. Eur J Pharm Biopharm. 79(3):473-84.
20. S. Kumar, A. Misra, A.K. Verma, R. Roy R, A. Tripathi,**Kausar M. Ansari**, M. Das, P.D. Dwivedi. BtBrinjal in India: A long way to go. (GM Crops, in press) 2011.
21. N. Saxena, **Kausar M. Ansari,** R. Kumar, B. P. Chaudhuri, P. D. Dwivedi and M. Das (2011). Role of Mitogen Activated Protein Kinases in Skin Tumorigenicity of Patulin. Toxicology applied pharmacology, 257(2):264-71.
22. V. Mishra, R. Khanna and M. Das (2012). Role of ErbB2 mediated AKT and MAPK pathway in gall bladder cell proliferation induced by Argemone oil and Butter yellow. Cell Biology and Toxicology, (3):149-59.
23. V. Mishra, M. Mishra, **Kausar M Ansari,** B. P. Chaudhari, R. Khanna and M. Das (2012). Edible oil adulterants, argemone oil and butter yellow, as etiological factors for gall bladder cancer. Eur J Cancer. 2012 Sep;48(13):2075-85.
24. R. Kumar, **Kausar M. Ansari**, N. Saxena, P. D. Dwivedi, S. K. Jain, M. Das (2012). Detection of Ochratoxin A in wheat samples in different regions of India. Food Control, 26:63-67.
25. R. Kumar, M. Das and **Kausar M. Ansari**\* (2012). Nexrutine® Inhibits Tumorigenesis in Mouse Skin and Induces Apoptotic Cell Death in Human Squamous Carcinoma A431 and Human Melanoma A375 Cells. Carcinogenesis., 33(10):1909-1918.
26. R. Kumar, **Kausar M. Ansari\*,** B. P. Chaudhari, A. Dhawan, P. D. Dwivedi, S. K. Jain and M Das\* (2012). Topical Application of Ochratoxin A causes DNA damage and tumor initiation in mouse skin. PLoS One, 7(10):e47280.
27. S. Mishra, **Kausar M. Ansari**, P. D. Dwivedi, H. P. Pandey, M. Das. Occurrence of deoxynivalenol in cereals and exposure risk assessment in Indian population. Food Control, Volume 30, Issue 2, April 2013, Pages 549-555.
28. A. Pal, S. Alam, J. Singhal, R. Kumar, **Kausar M. Ansari** and M. Das (2013). Protective effect of topical application of α-tocopherol and/or N-acetyl cysteine on argemone oil/alkaloid induced skin tumorigenesis in mice. Nutrition and Cancer, 2013;65Suppl 1:78-87.
29. R. Kumar, S. Alam, B. P. Chaudhari, P. D. Dwivedi, S. K. Jain, **Kausar M. Ansari\***and M. Das\* (2013). Ochratoxin A-induced cell proliferation and tumor promotion in mouse skin by activating the expression of cyclin D1 and cyclooxygenase-2 through nuclear factor-kappa B and activator protein-1. Carcinogenesis, 34(3):647-57.
30. N. Dwivedi, S. Kumar, **Kausar M. Ansari,** S.K. Khanna, and Mukul Das (2013). Skin tumorigenic potential of benzanthrone: prevention by ascorbic acid. Food ChemToxicol. 2013 Sep;59:687-95.
31. G. Panigrahi, S. Tiwari, **Kausar M. Ansari,** R. K. Chaturvedi, V. K. Khanna, B. P. Chaudhari, V. M. Vashistha, S. Raisuddin, and M. Das (2014). Association between children death and consumption of Cassia occidentalis seeds: clinical and experimental investigations. Food ChemToxicol. May;67:236-48.
32. G. Panigrahi, A. Yadav, A. Yadav, **Kausar M. Ansari,**R. K. Chaturvedi, V. M. Vashistha, S. Raisuddin, and M. Das (2014). Hepatic transcriptional analysis in rats treated with Cassia occidentalis seed: involvement of oxidative stress and impairment in xenobiotic metabolism as a putative mechanism of toxicity. Toxicol Lett. 2014 Aug 17;229(1):273-83.
33. S. Alam, A. Pal, R. Kumar, P. D. Dwivedi, M. Das and **Kausar M. Ansari\*** (2014). EGFR-mediated Akt and MAPKs Signal Pathways Play a Crucial Role in Patulin-Induced Cell Proliferation in Primary Murine Keratinocytes via modulation of Cyclin D1 and COX-2 expression. MolCarcinog. 2014 Dec;53(12):988-98.
34. S. Alam, A. Pal, R. Kumar, S. S. Mir, **Kausar M. Ansari\*.** [Nexrutine inhibits azoxymethane-induced colonic aberrant crypt formation in rat colon and induced apoptotic cell death in colon adenocarcinoma cells.](http://www.ncbi.nlm.nih.gov/pubmed/26259065)MolCarcinog. 2016 Aug;55(8):1262-74.
35. M. Vij, P. Natarajan, B. R. Pattnaik, S. Alam, N. Gupta, D. Santhiya, R. Sharma, A. Singh, **Kausar M. Ansari,** R. S. Gokhale, V. T. Natarajan, M. Ganguli.[Non-invasive topical delivery of plasmid DNA to the skin using a peptide carrier.](http://www.ncbi.nlm.nih.gov/pubmed/26699422)J Control Release. 2016 Jan 28;222:159-68.
36. A. Pal, S. Alam, L. K. S. Chauhan, P. N. Saxena, M. Kumar, G. N. Ansari, D. Singh, **Kausar M. Ansari\*.** UVB exposure enhanced the dermal penetration of zinc oxide nanoparticles and induced inflammatory responses through oxidative stress mediated by MAPKs and NF- κB signaling in SKH-1 hairless mouse skin. ***Toxicol. Res.*,** 2016, **5**, 1066 - 1077.
37. A. Pal, S. Alam, L. K. S. Chauhan, P. N. Saxena, M. Kumar, G. N. Ansari, D. Singh, **Kausar M. Ansari\*.** UVB irradiation-enhanced zinc oxide nanoparticles-induced DNA damage and cell death in mouse skin. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2016, 807:15-24.
38. S. Abbas, S. Alam, A. Pal, M. Kumar, D. Singh,**Kausar M. Ansari\***.[UVB exposure enhanced benzanthrone-induced inflammatory responses in SKH-1 mouse skin by activating the expression of COX-2 and iNOS through MAP kinases/NF-κB/AP-1 signalling pathways.](https://www.ncbi.nlm.nih.gov/pubmed/27507225)Food ChemToxicol. 2016 Oct;96:183-90.
39. S. Abbas, S. Alam, K. P Singh, M. Kumar, S. K Gupta, **Kausar M. Ansari\***. Aryl Hydrocarbon Receptor Activation Contributes to Benzanthrone-Induced Hyperpigmentation via Modulation of Melanogenic Signaling Pathways. Chem Res Toxicol. 2017 Feb 20;30(2):625-634.
40. M. Vij, S. Alam, N. Gupta, V. Gotherwal, H. Gautam, **Kausar M. Ansari\*,** D. Santhiya, V T Natarajan, M. Ganguli. Non-invasive Oil-Based Method to Increase Topical Delivery of Nucleic Acids to Skin.MolTher.Mar 30. pii: S1525-0016(17)30107-7, 2017.
41. S. Alam, A. Pal, D. Singh, **Kausar M. Ansari\*.** Topical application of Nexrutine inhibits ultraviolet B-induced cutaneous inflammatory responses in SKH-1 hairless mouse. [PhotodermatolPhotoimmunolPhotomed.](https://www.ncbi.nlm.nih.gov/pubmed/28857273) 2017 Aug 30. doi: 10.1111/phpp.12348.
42. P. [Mishra](https://www.ncbi.nlm.nih.gov/pubmed/?term=Mishra%20P%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), V. [Raj](https://www.ncbi.nlm.nih.gov/pubmed/?term=Raj%20V%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), A. S. [Bhadauria](https://www.ncbi.nlm.nih.gov/pubmed/?term=Bhadauria%20AS%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), A. K. [Singh](https://www.ncbi.nlm.nih.gov/pubmed/?term=Singh%20AK%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), A. [Rai](https://www.ncbi.nlm.nih.gov/pubmed/?term=Rai%20A%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), P. [Kumar](https://www.ncbi.nlm.nih.gov/pubmed/?term=Kumar%20P%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), A. K. [Keshari](https://www.ncbi.nlm.nih.gov/pubmed/?term=Keshari%20AK%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), A. [De](https://www.ncbi.nlm.nih.gov/pubmed/?term=De%20A%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), A. [Samanta](https://www.ncbi.nlm.nih.gov/pubmed/?term=Samanta%20A%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), U. [Kumar](https://www.ncbi.nlm.nih.gov/pubmed/?term=Kumar%20U%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), D. [Kumar](https://www.ncbi.nlm.nih.gov/pubmed/?term=Kumar%20D%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), B. [Maity](https://www.ncbi.nlm.nih.gov/pubmed/?term=Maity%20B%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), S. [Nath](https://www.ncbi.nlm.nih.gov/pubmed/?term=Nath%20S%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), A. [Prakash](https://www.ncbi.nlm.nih.gov/pubmed/?term=Prakash%20A%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), [**Kausar M Ansari**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Ansari%20KM%5BAuthor%5D&cauthor=true&cauthor_uid=29448205)**,** S. [Saha](https://www.ncbi.nlm.nih.gov/pubmed/?term=Saha%20S%5BAuthor%5D&cauthor=true&cauthor_uid=29448205). 6,7-dimethoxy-1,2,3,4-tetrahydro-isoquinoline-3-carboxylic acid attenuates colon carcinogenesis via blockade of IL-6 mediated signals. [Biomed Pharmacother.](https://www.ncbi.nlm.nih.gov/pubmed/29448205) 2018 Apr;100:282-295.
43. V. [Raj](https://www.ncbi.nlm.nih.gov/pubmed/?term=Raj%20V%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), A. S. [Bhadauria](https://www.ncbi.nlm.nih.gov/pubmed/?term=Bhadauria%20AS%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), A. K. [Singh](https://www.ncbi.nlm.nih.gov/pubmed/?term=Singh%20AK%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), U. Kumar, A. [Rai](https://www.ncbi.nlm.nih.gov/pubmed/?term=Rai%20A%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), A. K. [Keshari](https://www.ncbi.nlm.nih.gov/pubmed/?term=Keshari%20AK%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), P. [Kumar](https://www.ncbi.nlm.nih.gov/pubmed/?term=Kumar%20P%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), [D](https://www.ncbi.nlm.nih.gov/pubmed/?term=De%20A%5BAuthor%5D&cauthor=true&cauthor_uid=29448205). Kumar, B. [Maity](https://www.ncbi.nlm.nih.gov/pubmed/?term=Maity%20B%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), S. [Nath](https://www.ncbi.nlm.nih.gov/pubmed/?term=Nath%20S%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), A. [Prakash](https://www.ncbi.nlm.nih.gov/pubmed/?term=Prakash%20A%5BAuthor%5D&cauthor=true&cauthor_uid=29448205), [**Kausar M Ansari**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Ansari%20KM%5BAuthor%5D&cauthor=true&cauthor_uid=29448205)**,**J. L. Jat, S. [Saha](https://www.ncbi.nlm.nih.gov/pubmed/?term=Saha%20S%5BAuthor%5D&cauthor=true&cauthor_uid=29448205).[Novel 1,3,4-thiadiazoles inhibit colorectal cancer via blockade of IL-6/COX-2 mediated JAK2/STAT3 signals as evidenced through data-based mathematical modeling.](https://www.ncbi.nlm.nih.gov/pubmed/29580751)Cytokine. 2018 Mar 23. pii: S1043-4666(18)30112-1.
44. **Kausar M. Ansari**, P. R. Arany, E. Arama, S. Larisch, R. B. Birge, D. Chandra. International conference on Cell Death in Cancer and Toxicology 2018 (CDCT-2018). Cell Commun Signal. 2018 Jun 28;16(1):34.
45. S. Pal, N. Singh, **Kausar M. Ansari\***. Toxicological effects of patulin mycotoxin on the mammalian system: an overview. Toxicol Res (Camb). 2017 Aug 9;6(6):764-771.
46. N. Singh, M. Bansal, S. Pal, S. Alam, P. Jagdale, A. Ayanur, **Kausar M. Ansari\*.**COX-2/EP2-EP4/β-catenin signaling regulates patulin-induced intestinal cell proliferation and inflammation. ToxicolApplPharmacol. 2018 Oct 1;356:224-234.
47. M. Kamil, E. Haque, S. S. Mir, S. Irfan, A. Hasan, S. Sheikh, S. Alam, **Kausar M. Ansari**, A. Nazir. Hydroxyl Group Difference between Anthraquinone Derivatives Regulate Different Cell Death Pathways via Nucleo-Cytoplasmic Shuttling of p53.Anticancer Agents Med Chem. 2018 Oct 29. doi: 10.2174/1871520618666181029133041.
48. M. Bansal, N. Singh, S. Alam, S. Pal, GNV Satyanarayana, D. Singh, **Kausar M. Ansari\*.**Alternariol induced proliferation in primary mouse keratinocytes and inflammation in mouse skin is regulated via PGE2/EP2/cAMP/p-CREB signaling pathway. Toxicology. 2019 Jan 15;412:79-88. doi: 10.1016/j.tox.2018.11.013.
49. A. Aditya, S. Chattopadhyay, N. Gupta, S. Alam, A. P. Veedu, M. Pal, A. Singh, D. Santhiya, **Kausar M. Ansari**, M. Ganguli. ZnO nanoparticles modified with an amphipathic peptide show improved photoprotection in skin. ACS Appl Mater Interfaces. 2018 Dec 3. doi: 10.1021/acsami.8b08431.
50. J. Kumar, S. Alam, A. Jain, **Kausar M. Ansari**, B. Mandal.Protective Activity of Silk Sericin against UV Radiation-Induced Skin Damage by Downregulating Oxidative Stress. Accepted in ACS Applied Bio Materials.
51. P. R. Jagdale, I. Dev, A. Ayanur, D. Singh, M. Arshad, **Kausar M. Ansari.** Safety evaluation of Ochratoxin A and Citrinin after 28 days repeated dose oral exposure to Wistar rats. Regul Toxicol Pharmacol. 2020 Aug;115:104700. doi: 10.1016/j.yrtph.2020.104700.
52. D. Bhattacharya, R. Tiwari, T. Bhatia, M.P. Purohit, A. Pal, P. Jagdale, M.K.R. Mudiam, B.P. Chaudhari, Y. Shukla, **Kausar M. Ansari**, A. Kumar, P. Kumar, V. Srivastava, K.C. Gupta. Accelerated and scarless wound repair by a multicomponent hydrogel through simultaneous activation of multiple pathways. Drug Deliv Transl Res. 2019 Dec;9(6):1143-1158. doi: 10.1007/s13346-019-00660-z.
53. M. Bansal, I. J. Saifi, I. Dev, A. K. Sonkar, S. Dixit, S. P. Singh, Kausar M. Ansari.

Occurrence of Alternariol and Alternariolmonomethyl ether in edible oils; their thermal stability and intake assessment in state of Uttar Pradesh, India. (Accepted in Food Science)

**List of Books/Chapters in Books Published**

Title of the Book : Advances in Molecular Toxicology (Vol. 12)

Book Editor : James C. Fishbei

University of Maryland, Maryland, USA

Jacqueline M. Heilman, Exponent, Inc. Washington DC, USA

Title of the Chapter : **Chemopreventive Role of Dietary Phytochemicals in**

**Colorectal Cancer**

Yr. of Pub : 2018, March

Authors : Megha Bansal, Neha Singh, Saurabh Pal, Indradev, Kausar

Mahmood Ansari\*

Publisher : Elsevier

Total Pages : 35

Ongoing Research Projects:

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| --- | --- | --- | --- | --- |
| S. No. | Title of Project | Funding Agency | Amount | Date of sanction and Duration |
| 1. | Development of immunoassay based multiplexed lateral flow microarray system for detection of multiple mycotoxins | CSIR-Mission Mode Programme on  “Advanced Technological Interventions in Food Safety” | 77,11,000.00 | February 1, 2021  Till March 31, 2024 |
| 2. | Investigating the role of zearalenone, a mycoestrogen in the promotion of endometrial cancer | ICMR, New Delhi | 55,04, 101.00 | February 1, 2021  Till March 31, 2024 |

**Completed Research Projects** (State only major projects of last 3 years)

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| --- | --- | --- | --- | --- |
| S. No. | Title of Project | Funding Agency | Amount | Date of completion |
| 1. | Surveillance and molecular mechanism of toxicity of patulin, a commonly encountered mycotoxin | DST, India | 14, 72000.00 | July 31, 2012 |
| 2. | Role of UVR in the Potentiating of ZnO Nanoparticle induced Dermal Toxicity in Hairless Mouse Model | CSIR, India | 28, 00, 000.00 | September 30, 2012 |
| 3. | Development and validation of an antibody-based multiplexing assay system for simultaneous detection of three major Alternaria mycotoxins: Evaluation of its application in various fruits/vegetables | SERB, New Delhi | 51,00,000.00 | September 30, 2020 |
| 4. | Delineating the role of genomic imprinting in carcinogenesis induced by prenatal arsenic exposure | DBT, New Delhi | 28,00, 000.00 | March 31, 2018 |

**PhDs Supervised:**

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| S. No. | Name | Title of Thesis | Subject | University | Year |
| 1. | ShamshadAlam | Chemoprevention of Colon Cancer by Nexrutine | Bioscience | Integral University, Lucknow, India | 2017 |
| 2. | Sabiya Abbas | Studies on role of UVB in Benzanthrone-mediated Dermal Toxicity and its Mechanism(s) | Biochemistry | BabuBanarasi Das University, Lucknow, India | 2018 |
| 3. | Anu Pal | Evaluation of Dermal Toxic Potential of Zinc Oxide Nanoparticles:Implications of UVR | Biochemistry | BabuBanarasi Das University, Lucknow, India | 2018 |
| 4. | Megha Bansal | Evaluation of Dermal Toxic Potential of Alternaria mycotoxin, Alternariol and its detection in commonly consumed edible oils | Science | Academy of Scientific and Innovative Research (AcSIR), India | 2019 |