

BIOGRAPHICAL SKETCH

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NAME G.A. Shakeel Ansari	POSITION TITLE Professor		
eRA COMMONS USER NAME sansari			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Aligarh Muslim University, Aligarh, India	B.S.	1966	Chemistry
Aligarh Muslim University, Aligarh, India	M.S.	1969	Chemistry
Aligarh Muslim University, Aligarh, India	Ph.D.	1973	Chemistry

A. Positions and Honors.

1974-76	Post-Doctoral Fellow, University of Idaho, Moscow, ID
1976-77	Post-Doctoral Fellow, University of Texas Medical Branch, Galveston, TX
1977-79	Research Associate, University of Texas Medical Branch, Galveston, TX
1980-86	Assistant Professor, University of Texas Medical Branch, Galveston, TX
1986-90	Associate Professor, University of Texas Medical Branch, Galveston, TX
1990-present	Professor, University of Texas Medical Branch, Galveston, TX
2003-present	Director, Biotransformation Research Core, NIEHS Center in Environmental Toxicology UTMB, Galveston, TX

Awards and Other Professional Activities:

1997-2001	Member, ALTX-1 Study Section, NIH
1990-2002	Member Editorial Board of Drug Metabolism and Disposition
1992-	Associate Editor of Bulletin of Environmental Contamination and Toxicology
1995-	Member Editorial Board of Journal of Toxicology and Environmental Health
2001-	Member, Editorial Board of Toxicology and Applied Pharmacology

B. Selected peer-reviewed publications (in chronological order).

1. Ahmad, M.S. and Ansari, G.A.S. (1973) Mass spectral studies on steroidal compounds-I, steroidal 6-one ethylene acetals. *Org. Mass. Spectrom.* **6**:1095-1108.
2. Ansari, G.A.S. and Smith, L.L. (1979) High performance liquid chromatography of cholesterol autoxidation products. *J. Chromatogr.* **175**:307-315.
3. Ansari, G.A.S., Moslen, M.T. and Reynolds, E.S. (1982) Evidence for *in vivo* covalent binding of ^{14}C derived from CCl_4 to cholesterol of rat liver. *Biochem. Pharmacol.* **31**:3509-3510.
4. Ansari, G.A.S., Kaphalia, B.S. and Boor, P.J. (1987) Selective pancreatic toxicity of palmitoylpen-tachlorophenol. *Toxicology* **46**:57-63.
5. Boor, P.J., Sanduja, R., Nelson, T.J. and Ansari, G.A.S. (1987) *In vivo* metabolism of the cardiovascular toxin, allylamine to acrolein. *Biochem. Pharmacol.* **36**:4347-4353.
7. Bhat, H.K. and Ansari, G.A.S. (1990) Cholesterol ester hydrolase mediated conjugation of haloethanols with fatty acids. *Chem. Res. Toxicology* **3**:311-317.
8. Khan, M.F., Kaphalia, B.S., Prabhakar, B.S., Kanz, M.F., and Ansari, G.A.S. (1995) Trichloroethene-induced autoimmune response in female MRL +/+ mice. *Toxicol. Appl. Pharmacol.* **134**:155-160.
9. Kaphalia, B.S., Carr, J.B., and Ansari, G.A.S. (1995) Increased endobiotic fatty acid methyl esters following exposure to methanol. *Fundam. Appl. Toxicol.* **28**:264-273.
10. Kaphalia, B.S., Fritz, R.R. and Ansari, G.A.S. (1997) Purification and characterization of rat liver microsomal fatty acid ethyl and 2-chloroethyl ester synthase and their relationship with carboxylesterase (PI 6.1). *Chem. Res. Toxicol.*, **10**:211-218.
11. Khan, M.F., Wu, X., and Ansari, G.A.S. (2001) Anti-malondialdehyde antibodies in MRL +/+ mice treated with trichloroethene and dichloroacetyl chloride: Possible role of lipid peroxidation in autoimmunity. *Toxicol. Appl. Pharmacol.* **170**: 88-92.
12. Green, S.M., Khan, M.F., Kaphalia, B.S., and Ansari, G.A.S. (2001) Immunohistochemical localization of protein adducts of tetrachloroethene in mice. *J. Toxicol. Environ. Health*, **63**, 145-157.
13. Kaphalia, B.S. and Ansari, G.A.S. (2001) Fatty acid ethyl esters and ethanol-induced pancreatitis. *Cellular Mol. Biol.* **47**, 173-179.

14. Khan, M.F., Wu, Xiaohang, Tipnis, U.R., Ansari, G.A.S., and Boor, P.J. (2002) Protein adducts of malondialdehyde and 4-hydroxynoneal in livers of iron loaded rats: quantitation and localization, *Toxicology* 173,193-201.
15. Mericle, K.A., Kaphalia, B.S. and Ansari, G.A.S. (2002) Differential inhibition of hepatic, pancreatic and plasma fatty acid ethylester synthase (FAEES) by tri-o-tolylphosphate in rats. *Toxicol. Appl. Pharmacol.* 179,119-125.
16. Khan, M.F., Wu, X., Kaphalia, B.S., Boor, P.J., and Ansari, G.A.S. (2003) Nitrotyrosine formation in splenic toxicity of aniline. *Toxicology* 194,05-102.
17. Murtazina, G.A., Andersson, U., Hahn, I., Bjorkhem, I., Ansari, G.A.S., and Pikuleva, I.A. (2004) Phospholipid modify substrate binding and enzyme activity of human cytochrome P450 27A1 (CYP27A1). *J. Lipid Res.*, 45:2345-2353.
18. Kaphalia, B.S., Cai, P., Khan, M.F., Okorodudu, A.O., and Ansari, G.A.S. (2004) Fatty acid ethyl esters in alcoholics: markers of alcohol abuse and alcoholism. *Alcohol*, 34:151-158.
19. Cai P., Kaphalia, B.S., and Ansari, G.A.S. (2005) Methyl palmitate: Inhibitor of phagocytosis in primary rat Kupffer Cells. *Toxicology*, 210:197-204.
20. Cai, P., Khan, M.F., Kaphalia, B.S., and Ansari, G.A.S. (2005) Immunotoxic response of oleic acid anilide and its hydrolysis products in female MRL +/+ mice. *J. Immunotox.*, 2:231-236.
21. Awasthi, Y.C., Ansari, G.A.S. and Awasthi, S. (2005) Phase II: Conjugation enzymes, glutathione transferases and transport systems. *Methods Enzymol.* 401:379-409.
22. Sharma, R., Ansari, G.A.S., and Awasthi, Y.C. (2006) Physiological substrates of glutathione S-transferases. "Toxicology of Glutathione Transferases," Chapter 9, pages 179-203. (Y.C. Awasthi, Editor), CRC Press.
23. Wu, H., Cai, P., Clemens, D.L., Jerrells, T.R., Ansari, G.A.S., and Kaphalia, B.S. (2006) Metabolic basis of ethanol-induced toxicity in recombinant HepG2 cells: role of nonoxidative metabolism. *Toxicol. Appl. Pharmacol.* 216:238-247.
24. Cai, P., König, R., Khan, M.F., Qiu, S., Kaphalia, B.S., and Ansari, G.A.S. (2006) Immunotoxicity of dichloroacetyl chloride and dichloroacetic anhydride in MRL +/+ mice. *Toxicol. Appl. Pharmacol.* 216:248-255.
25. Bhopale, K.K., Wu, H., Boor, P.J., Popov, V.L., Ansari, G.A.S., Kaphalia, B.S. (2006) Metabolic basis of ethanol-induced hepatic and pancreatic injury in hepatic alcohol dehydrogenase deficient deer mice. *Alcohol* 39:179-188.
26. Sarkar, S., Khan, M.F., Kaphalia, B.S., Ansari, G.A.S. (2006) Methyl palmitate inhibits lipopolysaccharide-stimulated phagocytic activity of rat peritoneal macrophages. *J. Biochem. Mol. Toxicol.* 20:302-308.
39. Wang, G., Cai, P., Ansari, G.A.S., Khan, M.F. (2007) Oxidative and nitrosative stress in trichloroethene-mediated autoimmune response. *Toxicology*. 229:186-193.
40. Li, H., Wang, J., König, R., Ansari, G.A.S., Khan, M.F. (2007) Formaldehyde-protein conjugate specific antibodies in rats exposed to formaldehyde. *J. Toxicol. Environ. Health, Part A.* 70:1071-1075.
41. Cai, P., König, R., Khan, M.F., Kaphalia, B.S., Boor, P.J., Ansari, G.A.S. (2007) Immuno- and hepatotoxicity of dichloroacetic acid in MRL +/+ and B6C3F1 mice. *J. Immunotox.* 4:107-115.
42. Cai, P., König, R., Khan, M.F., Kaphalia, B.S., Ansari, G.A.S. (2007) Differential immune responses to albumin adducts of reactive intermediates of Trichloroethene in MRL +/+ mice. *Toxicol. Appl. Pharmacol.* 220:278-283.
43. Wang, G., Ansari, G.A.S., Khan, M.F. (2007) Involvement of lipid peroxidative-derived aldehyde-protein adducts in autoimmunity mediated by Trichloroethene. *J. Toxicol. Environ. Health* 70:1977-1985.
44. Wu, H., Bhopale, K.K., Ansari, G.A.S., Kaphalia, B.S. (2008) Ethanol-induced cytotoxicity in rats pancreatic acinar AR42J cells: role of fatty acid ethyl esters. *Alcohol Alcoholism* 43:1-8.
45. Wang, G., König, R., Ansari, G.A.S., Khan, M.F. (2008) Lipid-peroxidation-derived aldehyde-protein adducts contribute to trichloroethene-mediated autoimmunity via CD4+T cell activation. *Free Radic Biol. Med.* 44:1475-1482.
46. Wang, J., Wang, G., Ansari, G.A.S., Khan, M.F. (2008) Activation of oxidative stress-responsive signaling pathways in early splenotoxic response of aniline. *Toxicol. Appl. Pharmacol.* 230:227-234.
47. König, R., Cai, P., Guo, X., Ansari, G.A.S. (2008) Transcriptomic analysis reveals early signs of liver toxicity in female MRL/mice exposed to the acylating chemicals dichloroacetyl chloride and dichloroacetic anhydride. *J. Chem. Res. Toxicol.* 21:572-582.
48. Cai, P., König, R., Boor, P.J., Kondraganti, S., Kaphalia, B.S., Khan, M.F., Ansari, G.A.S. (2008) Chronic exposure to Trichloroethene causes early onset of SLE-like disease in female MRL +/+ mice. *Toxicol. Appl. Pharmacol.* 228:68-75.