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UGC Research Scientist “C”

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Education

Ph.D : Jawaharlal Nehru University (1978).

M.Sc : Kerala University (1974).

B.Sc : Madras University (1972).

Area of Research

Mechanism of Antimutagenesis.

Induction and Inhibition of Somatic Recombination.

Dietary Factors Modulating the Effects of Environmental Genotoxins/Carcinogens.

Chemoprevention of Mutagenesis and Carcinogenesis.

Career

1994 to date UGC Research Scientist “ C” School of Life Sciences, Jawaharlal Nehru University, New Delhi-67

1989 to 1994 UGC Research Scientist “ B” School of Life Sciences, Jawaharlal Nehru

University, New Delhi-67

1984 to 1989 UGC Research Scientist "A" School of Life Sciences, Jawaharlal Nehru University, New Delhi-67

1982 to 1984 Senior Research Associate, School of Life Sciences, Jawaharlal Nehru University, New Delhi-67

1980 to 1982 Alexander von Humboldt Research Fellow, Institute of Human Genetics Frankfurt University (Germany)

1978 to 1980 CSIR Post-doc. (Pool Officer), School of Life Sciences, Jawaharlal Nehru University, New Delhi

Research Projects

Awards and Honour

2002: Alexander von Humboldt Research Fellow , Institute of Pharmacology and Toxicology, Wuerzburg University (Germany).

1993: Visiting Scientist, Institute of Toxicology, Swiss Federal Institute of Technology, Zuerich (Switzerland).

1980: Alexander von Humboldt Research Fellow, Institute of Human Genetics, Frankfurt University (Germany).

1979: Visiting Scientist, Central Laboratory for Mutagenicity Testing Freiburg (Germany).

1974: First Rank in M.Sc Examination, Kerala University

Membership

Life Member of Indian Environmental Mutagen Society.

Selected Publications

Chandra Mohan K. V. P., **S. K. Abraham** and S. Nagini (2005)Comparative evaluation of the chemopreventive efficacy of green and black tea polyphenols in the hamster buccal pouch carcinogenesis model, *Clinical Biochemistry* **38**,879-886.

Velmurugan B., K.V.P. ChandraMohan, **S. K. Abraham** and S. Nagini (2005)Combination of s-allylcysteine and lycopene protects against N-methyl-N-nitro-N-nitrosoguanidine-induce

genotoxicity and oxidative stress in mice, **Nutrition Research** 25, 577-586.

Bhuvaneshwari, V., **S.K. Abraham** and S. Nagini (2005) Combinatorial antigenotoxic and anticarcinogenic effects of tomato and garlic through modulation of xenobiotic-metabolizing enzymes during hamster buccal pouch carcinogenesis, **Nutrition** 21, 726-731.

Kumaraguruparan, R., K.V.P. ChandraMohan, **S.K. Abraham** and S. Nagini (2005) Attenuation of N-methyl-N'-nitro-N-nitrosoguanidine induced genotoxicity and Oxidative stress by tomato and garlic combination, **Life Sciences** 76, 2247-2255.

Velmurugan B., V. Bhuvaneshwari, **S. K. Abraham** and S. Nagini (2004) Protective effect of tomato against N-methyl-N-nitro-N-nitrosoguanidine-induced *in vivo* clastogenicity and oxidative stress **Nutrition** 20, 812-816.

Abraham S. K. and H. Stopper (2004) Antigenotoxicity of coffee against N-methyl-N-nitro-N-nitrosoguanidine in mouse lymphoma cells **Mutation Research** 561, 23-33.

Abraham S.K., V. Vukicevic and H. Stopper (2004) Coffee-mediated protective effects against directly acting genotoxins and gamma-radiation in mouse lymphoma cells **Cell Biology and Toxicology** 20, 121-132.

Subapriya R., R. Kumaraguruparan, **S. K. Abraham** and S. Nagini (2004) Protective effects of ethanolic neem leaf extract on N-methyl-N'-nitro-N-nitrosoguanidine-induced genotoxicity and oxidative stress in mice **Drug and Chemical Toxicology** 27, 15-27.

Chandra Mohan K. V. P., **S. K. Abraham** and S. Nagini (2004) Protective effects of mixtures of dietary agents against 7,12-dimethylbenz[a]anthracene-induced genotoxicity and oxidative stress in mice, **Journal of Medicinal Food** 7, 55-60.

Premkumar K., **S. K. Abraham**, S.T. Santhiya and A. Ramesh (2004) Protective effect of *Spirulina fusiformis* on chemically-induced genotoxicity in mice **Fitoterapia** 75, 24-31.

Premkumar K., **S. K. Abraham**, S. T. Santhiya and A. Ramesh (2003) Protective effects of saffron (*Crocus sativus*, Linn) on genotoxins-induced oxidative stress in Swiss albino mice, **Phytotherapy Research** 17, 614-617.

Chandra Mohan, K.V.P, V. Bhuvaneshwari, **S. K. Abraham** and S. Nagini (2003) Dose-dependent protection by tomato against 7,12-dimethylbenz(a)anthracene-induced genotoxicity and oxidative stress in mice **Journal of Medicinal Food** 6, 169-173

Premkumar K., **S. K. Abraham**, S. T. Santhiya, P. M. Gopinath and A. Ramesh (2001) Inhibition of genotoxicity by saffron (*Crocus sativus* L.) in mice **Drug and Chemical Toxicology** 24, 421-428.

Abraham S.K. (2001) Antigenotoxicity of *trans*-anethole and eugenol in mice **Food and Chemical Toxicology** 39, 493-498.

Abraham S.K. and S.P. Singh (1999) Anti-genotoxicity and glutathione S-transferase activity in mice pretreated with caffeinated and decaffeinated coffee **Food and Chemical Toxicology** 37, 733-739.

Graf U., **S. K. Abraham**, J. Guzman-Rincon and F.E. Würzler (1998) Antigenotoxicity studies in *Drosophila melanogaster* **Mutation Research** 402, 203-209.

Abraham S. K., S. P. Singh and P. C. Kesavan (1998) In vivo antigenotoxic effects of dietary agents and beverages co-administered with urethane: assessment of the role of glutathione S-transferase activity *Mutation Research*413, 103-110.

Singh S.P., **Abraham S. K.** and P. C. Kesavan (1996) Radioprotection in mice following garlic pre-treatment *British Journal of Cancer*74, S102-S104.

Abraham S. K. (1996) Anti-genotoxic effects in mice after the interaction between coffee and dietary constituents *Food and Chemical Toxicology*34, 15-20.

Abraham S. K. and U. Graf (1996) Protection by coffee against somatic genotoxicity in Drosophila: Role of bioactivation capacity *Food and Chemical Toxicology*34, 1-14.

Abraham S. K. (1995) Inhibitory effects of coffee on transplacental genotoxicity in mice *Mutation Research*345, 45-52.

Abraham S.K. (1994) Antigenotoxicity of coffee in the Drosophila assay for somatic mutation and recombination *Mutagenesis*9, 383-386.

Abraham S.K., Sarma L and P.C. Kesavan (1993) Protective effects of chlorogenic acid, curcumin and β -carotene against γ -radiation induced in vivo chromosomal damage *Mutation Research*303, 109-112.

Abraham S.K. (1991) Inhibitory effects of coffee on the genotoxicity of carcinogens in mice *Mutation Research*262, 109-114.

Abraham S.K. (1989) Inhibition of in vivo genotoxicity by coffee *Food and Chemical Toxicology*27, 787-792.