Curriculum Vitae

Last name, First name: **Nair Urmila** **Gender**: **F**

Nationality: **INDIAN**

Overall Scientific Exper Major Research Interests:

Toxicology, carcinogenicity, mutagenicity, reactive oxygen species(ROS), Oxidative damage, host risk factors, with special focus on tobacco, smoked and smokeless, betel quid, areca-nuts. Tobacco/Cigarette additives/Ingredients: Health effects, including attractiveness, addictiveness, and toxic effects, burnt and unburnt forms. E-Cigarette ingredients and effects

Research Experience: Biochemical, Microbiological, Chemical analysis. Fermentation, Extraction, purification ans scale-up pilot studies for preparation of biochemicals.

Professional Experience

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialisation♠
1995-June 2014, Retired	Sr. Research Scientist	German Cancer Research Center (DKFZ), Im Neuenheimer Feld 280, 69120 Heidelberg, Germany *Div. of Toxicology&Host Risk Factors *Unit of Cancer Prevention & WHO Collaborating Centre (Tobacco Control)	Toxicology and host risk factors tobacco and tobacco products Tobacco & tobacco products constituents, additives and emissions
01/89-12/1989 &05/85-10/1985:	Visiting Scientist,	International Agency for Research on Cancer (IARC), Lyon , France	Toxicology (Tobacco and betelquid ?
10/ 83-02/1984	Guest Scientist	Gesselschaft für Strahlen ünd Umweltforschung (GSF), München, & DKFZ, Heidelberg, Germany	Toxicology (Tobacco, Betel quid, arecanut)
10/1980-05/1994	Scientific Officer	Cancer Research Institute, Tata Memorial Centre, Bombay, India.	Toxicology, Carcinogenesis, Exposure assessment, Genotoxicity
07/1976-09/1980	Sr.Res Scientist, Officer-in-Charge,	Haffkine Institute for Research and Training , Bombay. Glandular Products Research Division	Biochemicals, scale-up pilot studies
09/1975-06/1976:	Scientific Officer	Bombay University Department of Chemical Technology, India	Biochemistry
10/1974-08/1975	Microbiologist	Centron Research Laboratories, Bombay	Biochemistry, Microbiology, Fermentation

Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation*
1974	Ph.D.	Bombay University Department of Chemical Technology , Bombay	Chemistry
1970	M.Sc.	Bombay University Department of Chemical Technology, Bombay.	Biochemistry
1967	B.Sc.		Chemistry, Botany

Memberships in Scientific Advisory Bodies/Committees/Panels *(if any)***:**

- SCHEER. Opinion on Additivesused in tobacco products opinion 2 (ongoing)
- SCENIHR- Opinion on Additives used in tobacco products opinion1 (2016)
- SCENIHR- Opinion on the Addictiveness and Attractiveness of Tobacco Additives (2010)
- WHO-Manila (WPRO), Informal Technical Consultation on the regulation of Electronic Nicotine Delivery Systems, (2014).
- Member of IARC working Group for WHO-IARC Monographs on the evaluation of carcinogenic risks to humans:
- Volume 89, (2007): Smokeless Tobacco and some Tobacco-specific *N*-Nitrosamine.
- Volume 85, (2004): Betel-quid and Areca-nut Chewing and some Areca-nut-derived Nitrosamines

Memberships in Learned Societies*):#*

- Action Council against Tobacco (ACT), Bombay Life and Founder member
- Indian Association of cancer research (IACR) ,Bombay, Life Member
- Indian Women Scientist Association (IWSA),Bombay, Life Member

List of Publications:

Peer reviewed articles/ Book Chapters 57. Comprehensive reports on tobacco additives/ emissions, cancer prevention & tobacco/e cigarette related publications and lay fact sheets available at https://www.dkfz.de/de/tabakkontrolle/Informationen_zur_Tabakontrolle.html

1. Bartsch H, and Nair UJ,(2014) Lipid peroxidation-derived DNA adducts and the role of inflammation-related carcinogens in Cancer and Inflammation Mechanisms, Chemical, Biological, and Clinical Aspects, ed Y. Hiraku, S. Kawanishi, H. Ohshima John Wiley & Sons, Inc.Hoboken, NJ, p61-74

2. Schaller K, Rupert L, Kahnert S, Bethke C, Nair U, Pötschke-Langer M, (2013), Konsum Elektrischer Zigaretten-Teil 1, Umweltmedizin.Hygiene.Arbeitmedizin, Journal of Environmental and Occupational Health Sciences, 18(6),313-328
3. Kahnert S, Nair U, Mons U, Pötschke-Langer M., Wirkungen von Menthol als Zusatzstoff in Tabakprodukten und die Notwendigkeit einer Regulierung, [Effects of menthol as an additive in tobacco products and the need for regulation]. Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz. 2012 Mar;55(3):409-15. Review.
4. Pötschke-Langer M, Nair U, Kahnert S, Thielmann Heinz W (2010): Tabak, Tabakzusatzstoffe und Inhaltsstoffe des Tabakrauchs. (Tobacco, Tobacco additives and tobacco smoke emissions) In: Singer M, Batra A, Mann K (Hrsg.): Alkohol und Tabak. Georg Thieme Verlag Stuttgart.
5. Nair U, Bartsch H, Nair J, Lipid peroxidation-induced DNA damage in cancer-prone inflammatory diseases: a review of published adduct types and levels in humans. Free Radical Biology and Medicine 11/2007; 43(8):1109-20.
6. Nair U, Bartsch H, Nair J. Alert for an epidemic of oral cancer due to use of the betel quid substitutes gutkha and pan masala: a review of agents and causative mechanisms. *Mutagenesis.* 2004;19:251-62.
7. Bartsch H, Nair U, Risch A, Rojas M, Wikman H, Alexandrov K. Genetic polymorphism of CYP genes, alone or in combination, as a risk modifier of tobacco-related cancers. *Cancer Epidemiol.Biomarkers Prev.* 2000;9:3-28.
8. Nair UJ, Nair J, Mathew B, Bartsch H. Glutathione S-transferase M1 and T1 null genotypes as risk factors for oral leukoplakia in ethnic Indian betel quid/tobacco chewers. *Carcinogenesis.* 1999;20:743-8.
9. **Nair U, Obe G, Nair J, Maru GB, Bhide SV, Pieper R et al. Evaluation of frequency of micronucleated oral mucosa cells as a marker for genotoxic damage in chewers of betel quid with or without tobacco. *Mutat.Res.* 1991;261:163-8.**
10. **Ammigan N, Nair UJ,** Lalitha VS, Bhide SV. Carcinogenicity studies of masheri: pyrolysed tobacco product, in vitamin-A-deficient Sprague Dawley rats. *J.Cancer Res.Clin.Oncol.* 1991;117:50-4.