

Dr. Sarbani Ghoshal

Dr Sarbani Ghoshal completed her dual Bachelor's degrees in Biology and Education, Master's and PhD in Biology from University of Calcutta, India and Master of Public Health from College of Public Health, University of Kentucky, USA. Her PhD project focused on genetic and environmental toxicology. It is during this time, she started working on arsenic exposed population in West Bengal, a state located in the eastern part of India with shared border with Bangladesh, where arsenic exposure has been a huge crisis. Their research team led by her co-mentor, Dr A.K.Giri, was one of the two groups, who identified the arsenic crisis in West Bengal and published numerous papers focusing on its epidemiology. Later, Dr Ghoshal was awarded a fellowship by Government of Austria to study about arsenic toxicology. Dr Ghoshal came to University of Kentucky for her postdoctoral training and there she also completed her MPH dissertation on arsenic and chronic kidney disease, under the mentorship of Dr Claudia Hopenhayn in the University of Kentucky College of Public Health. Additionally, Dr Ghoshal has a long-standing interest in finding out novel therapeutic targets for diseases, relevant to public health and worked in the Department of Metabolism and Aging, The Scripps Research Institute and Saint Louis University School of Medicine, before joining CUNY. She has published extensively on toxicology, obesity, insulin resistance and metabolic diseases. Her research work has been cited more than 2000 times and she has a research productivity index > 20. She is passionate about undergraduate research and mentoring.

In her presentation, she is going to discuss in depth about the elemental crisis- arsenic in drinking water in India, focusing on traditional and molecular epidemiology.