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## **Basic Understanding & Application of Ecotoxicology and Ecological Risk Assessment**



**Mohamed Ghorab, Ph.D.**

United States Environmental Protection Agency

**Date: October 18<sup>th</sup>, 2024**

Time: 9:00 AM, USA, EST

4 PM, Cairo and 3 PM Johannesburg Time

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**The Speaker:** Dr. Ghorab works as a Senior Toxicologist Scientist at the U.S. Environmental Protection Agency (EPA), Office of Chemical Safety and Pollution Prevention (OCSPP). He trained in human and environmental hazard and risk assessments. His work determines safe chemical levels in dietary, residential, and occupational settings.

He has notably contributed to the EPA's efforts in developing methods, guidance and policies for animal New Approach Methods, reducing use in chemical testing while advancing human and ecological risk assessments. He is also a part of the EPA's One Health approach initiative team.

Before his current role, Dr. Ghorab's leadership at the National Exposure Research Laboratory in Cincinnati was marked by significant contributions to the development and validation of acute and chronic toxicity testing methods, enhancing our understanding of emerging contaminants.

Dr. Ghorab obtained his degree in Environmental Toxicology from Michigan State University and Alexandria University. He completed postdoctoral training at Michigan State's Wildlife Toxicology Lab and contributed to the Pine River Superfund cleanup.

Dr. Ghorab also mentors students as a visiting faculty member at the University of California, Davis and serves as an expert toxicologist for the World Health Organization joint meeting on pesticide residues. Outside of work, he enjoys engaging in various scientific communities and contributing to global health and public safety initiatives such as the Society of Toxicology, American College of Toxicology, and Society of Environmental Toxicology and Chemistry.

For more information about this webinar series, please contact [akadry@umd.edu](mailto:akadry@umd.edu).

For more information about SRA-Africa:

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