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Dr. Mohamed Ghorab works as a toxicologist Scientist at the U.S. Environmental Protection Agency (EPA), the Office of Chemical Safety and Pollution Prevention (OCSPP), the Office of Pesticide Programs, Chemistry, Inerts, and Toxicology Assessment Branch, where he has performed hazard and risk assessments to determine safe levels for pesticides, inert ingredients, and chemical, use in acute, residential and occupational settings. He implemented a variety of industrial chemicals to aid in the evaluation and of Superfund sites and has also participated in multiple national and international efforts, including developing methods, guidance, and policy for validation and reducing the use of animals in chemical testing, and the development of approaches for risk assessment.

Dr. Ghorab has been engaging with Office of Research and Development (ORD), Since Jan 2023, through skills marketplace (USEPA), (10-20% Time commitment), One Environment/One Health initiative Program as (Toxicologist), to develop concepts, principles, and standards to advance scientific understanding include participating in strategic discussions and working with several One Health SMEs across the agency. Creating an in-depth analysis of EPA's Cross-cutting Issues: Health, Environmental Justice, climate change, cumulative impacts, Diversity, Equity, and Inclusion (DEI) and STEM mapped to one Health challenges such as harmful algal blooms, Emerging contaminants – PFAS, wastewater management, antimicrobial resistance, environmental countermeasures, and wildfires across the agency.

Before joining OCSPP, Mohamed was a research toxicologist in the Office of Research and Development (ORD), The National Exposure Research Laboratory (NERL), Cincinnati, OH., as a contractor where he was responsible for several acute and chronic toxicity projects at ORD's, NERL, Aquatic Research Facility. He also headed the Toxicology group as Team leader and played a key role in the continued development and validation of toxicity methods.

Mohamed earned his Ph.D. in Environmental Toxicology from Michigan State University & Alexandria University. Dr. Ghorab also worked as a postdoctoral Research fellow at Michigan State University's Wildlife Toxicology Lab. where he focused on research on the fate and effects of potentially toxic compounds, particularly in the area of ecological risk assessment. Additionally, his work at WTL included research in the movement, bioaccumulation, and effects of toxic substances at different levels of biological organization, ranging from terrestrial to aquatic and biochemical to the ecosystem.

Dr. Ghorab has been a member since 2015 and serves at The Society of Toxicology (SOT) as Vice-Chair of the postdoctoral and early career committee for 2021 and the Chair of the PDA and early career committee for 2022.

Mohamed was also selected as a Visiting Faculty/Mentor from (June 2021-Present) at the University of California, Davis, School of Veterinary Medicine, The Toxicology Mentoring and Skills Development Training Program funded by the National Institutes of Health to provide career development opportunities in toxicology for STEM undergraduate and graduate students from diverse undeserved backgrounds (<https://toxmsdt.vetmed.ucdavis.edu/our-people/mohamed-ghorab>).

As well Dr. Ghorab was selected to serve the world health organization (WHO) at the Joint FAO/WHO Meeting on Pesticide Residues (JMPR) Roster of Toxicological and Epidemiological Experts for an initial period of four years (2023 - 2026) (<https://shorturl.at/qEMQ6>).