

The Risk Assessment Training and Experience Program

The First Regional Training Course on Risk Assessment





Ismail Serageldin, PhD

Founding Director of the Bibliotheca Alexandrina (BA).

Dr. Serageldin is the Founding Director of the New Library of Alexandria, inaugurated in 2002. He also chairs the Boards of Directors for each of the BA's affiliated research institutes and museums. He is advisor to the Egyptian Prime Minister in matters concerning culture, science and museums. He serves as Chair or Member of a number of advisory committees for academic, research, scientific and international institutions and civil society efforts, including the Advisory Committee of the World Social Science Report for 2013, as well as the UNESCO-supported World Water Scenarios (2013) and Chairs the Executive Council of the World Digital Library (2010) and the Executive Council of the Encyclopedia of Life (2010) and the ICANN Panel for the review of the Internet future (2013). He also Co-chaired the African Union's high level panel for Biotechnology (2006) and again for Science, Technology and Innovation (STI) in 2012/2013. Before that he notably Co-chaired the Inter-Academy Panel on Capacity Building for Science in (2003/2004) and was a member of the High Level group for the Alliance of Civilizations convened by the Secretary General of the United Nations (2006/2007). He has held many important international positions, including Vice President of the World Bank (1992–2000), and Chairman Consultative Group on International Agricultural Research (CGIAR, 1994–2000), founder and former Chairman of the Global Water Partnership (GWP, 1996–2000) and the Consultative Group to Assist the Poorest (CGAP), a microfinance program (1995–2000) and was professor

of the International Savoirs Contre Pauvreté (Knowledge Against Poverty), at Collège de France, Paris, and distinguished professor at Wageningen University in the Netherlands.

He is a member of many academies, including the US National Academy of Sciences (Public Welfare Medalist), the American Philosophical Society, the American Academy of Arts and Sciences, the World Academy of Sciences (TWAS), the World Academy of Arts and Sciences (WAAS), the European Academy of Sciences and Arts, the African Academy of Sciences, Institut d'Egypte (Egyptian Academy of Science), the Royal Belgian Academy, the Bangladesh Academy of Sciences, the Indian National Academy of Agricultural Sciences. He lectures widely, and has delivered the Mandela Lecture in Johannesburg (2011) and the Nexus Lecture in Tilburg, the Netherlands (2011) as well as the opening keynote address to the first International Summit of the Book at the Library of Congress in Washington DC (2012).

He has received the Order of the Rising Sun from Japan and the Legion d'Honneur from France and is a Commandeur of Arts and Letters of the French Republic. In 2013, Serageldin and the BA received the Calouste Gulbenkian International Prize for thoughts and actions that make a decisive contribution to, and have significant impact on understanding, defending and fostering the universal values of respect for diversity and difference, a culture of tolerance and the conservation of the environment. He has also received the Pablo Neruda Medal from Chile, India's Bajaj Prize for upholding Gandhian values outside India, and was the first recipient of the Grameen Prize for lifelong efforts to fight poverty, and received the Champion of Youth Award by the World Youth Congress in Canada.

Serageldin has published over 60 books and monographs and over 200 papers. He has hosted a cultural program on television in Egypt (over 130 episodes) and developed a TV Science Series in Arabic and English. He holds a Bachelor of Science Degree in Engineering from Cairo University and a Master's Degree and a PhD from Harvard University and has received over 30 honorary doctorates.



Kenneth Olden, PhD, ScD, LHD

Director of National Center for
Environmental Assessment.

Office of Research and Development.

U.S. Environmental Protection Agency
Washington, DC, USA.

Dr. Ken Olden joined the National Center for Environmental Assessment in July 2012 with a strong legacy of promoting scientific excellence in environmental health. During 1991–2005, Ken served as the Director of the National Institute of Environmental Health Sciences (NIEHS) and the National Toxicology Program (NTP) in the U.S. Department of Health and Human Services. Ken made history in this role as the first African American to direct one of the National Institutes of Health. In 2005, he returned to his research position as Chief of The Metastasis Group in the Laboratory of Molecular Carcinogenesis at the NIEHS; and during the academic year 2006/2007, held the position of Yerby Visiting Professor at the Harvard School of Public Health. Most recently, Ken served as the Founding Dean of the School of Public Health at the Hunter College, City University of New York. He has published extensively in peer-reviewed literature, Chaired/ Co-chaired numerous national and international meetings, and has been an invited speaker, often a keynote, at more than 200 symposia. Ken has been awarded a long list of honors and awards including the Presidential Distinguished Executive Rank Award, the Presidential Meritorious Executive Rank Award for sustained extraordinary accomplishments, the Toxicology Forum's Distinguished Fellow Award, the HHS Secretary's Distinguished Service Award, the American College of Toxicology's First

Distinguished Service Award, and the National Minority Health Leadership Award. Alone among institute directors, he was awarded three of the most prestigious awards in public health, the Calver Award (2002), the Sedgwick Medal (2004), and the Julius B. Richmond Award (2005). Most recently, he received the Cato T. Laurencin MD, PhD Lifetime Research Award from the National Medical Association Institute, the largest and oldest national organization representing African American physicians and their patients in the United States. He was elected to membership in the Institute of Medicine at the National Academy of Sciences in 1994; and appointed member of the Visiting Committee for the Harvard University Board of Overseers, 2007–2010.

Dr. Olden continued to direct his research group at the NIEHS through 2012.

Dr. Olden holds the following degrees:

- Temple University, Philadelphia, PhD, Cell Biology and Biochemistry, 1970.
- University of Michigan, Ann Arbor, MSc, Genetics.
- Knoxville College, BSc, Biology.
- Additionally, Ken has numerous honorary degrees from several prestigious colleges and universities.





John J. Vandenberg, PhD

Director, National Program of EPA's
Human Health Risk Assessment Program.

Director of the Research Triangle Park
Division.

National Center for Environmental
Assessment.

U.S. Environmental Protection Agency.

He is responsible for leadership, planning and oversight of EPA's Integrated Science Assessments for the major (criteria) air pollutants and Integrated Risk Information System (IRIS) assessments for high priority hazardous air pollutants, and for development of new risk assessment methodologies. He began working at EPA in 1984, and was responsible for performing national-scale exposure and health risk assessments for numerous hazardous air pollutants. Following one year on assignment from EPA to the State of California to develop health risk assessment guidelines, he joined EPA's Office of Research and Development as Director of EPA's Research to Improve Health Risk Assessments program. He subsequently was Associate Director for Multimedia Research and for Air Research at EPA's National Health and Environmental Effects Research Laboratory. He then served as EPA's first National Program Director for particulate matter research and as Acting Director of EPA's Human Studies Division, and Experimental Toxicology Division. In recent years, Dr. Vandenberg was Associate Director for Health at NCEA, where he had oversight responsibilities for much of EPA's health risk assessment activities. Dr. Vandenberg has been a World Health Organization Consultant, and has represented EPA in scientific meetings in Europe, South America, Asia and the Middle East, and he serves on numerous scientific advisory committees. In 2006, he was elected

a Fellow of the Society for Risk Analysis. He is an adjunct Professor at the Nicholas School of the Environment at Duke University; and since 1991, he has taught a graduate-level course in Air Quality Management. He received his BA from the College of Wooster, Ohio; and MS and PhD from Duke University in Biophysical Ecology.





Ila L. Cote, PhD, DABT

Senior Science Advisor for the USEPA's National Center for Environmental Assessment.

NexGen Program Director.

U.S. Environmental Protection Agency.

The NexGen program is a multi-agency effort to incorporate recent advances in molecular biology into risk assessment. It is anticipated that these recent advances will revolutionize toxicity testing and risk assessment. She is also a senior science advisor for EPA's National Center for Environmental Assessment (NCEA). NCEA develops assessment that support decision-making for the Agency's air, water and superfund programs. In this latter role, she has been influential in many of the Agency's most important assessments.

She has 30 years of experience in cell biology, risk assessment, and the interface of science and public policy. She is a board certified Toxicologist, specializing in Inhalation Toxicology. In her last position, she was the Director of NCEA's Research Triangle Park Division, where, at the request of the Administrator of EPA, she revamped the National Ambient Air Quality Standards assessment process, meeting six court-ordered deadlines in 2 years, and providing the scientific support for new standards for several air pollutants. Additional positions that she has held include: Associate Professor at the University of Colorado's Departments of Molecular, Cellular and Developmental Biology and Public Policy; Associate Director of EPA's National Center for Health and Environmental Effects Laboratory; Risk Assessor in several regulatory offices; and Assistant Professor at New

York University Medical Center's Department of Environmental Medicine. She has also been an advisor to the Environmental Ministries of several foreign Governments to develop their environmental policies and program toxicologist.






Abdel-Razak M. Kadry, DVM, PhD, DABT

Senior Advisor for Scientific Organizational
Development and International Activities.

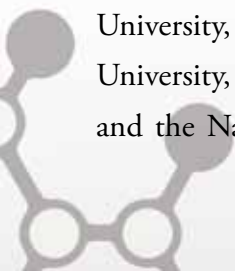
National Center for Environmental
Assessment.

Office of Research and Development.

U.S. Environmental Protection Agency.



His experience in toxicology and risk assessment spans over thirty years, and includes academic research, drug safety and efficacy, food safety and environmental risk assessment. For five years, Dr. Kadry worked as the Director of the Integrated Risk Information System (IRIS) at US Environmental Protection Agency. Dr. Kadry joined EPA after serving as the Chief of the Technical Analysis and Evaluation Branch, Risk Assessment Division, Office of Public Health Sciences, Food Safety and Inspection Service, at the U.S. Department of Agriculture (USDA). In addition to his work at USDA, Dr. Kadry spent 12 years as a faculty at the University of Medicine and Dentistry of New Jersey, and has published a large volume of peer-reviewed journal articles and book chapters. Dr. Kadry trained a large number of graduate students, postdoctoral fellow and other professionals in the United States and several countries on the principles and applications of toxicological research and risk assessments. Dr. Kadry received his Doctorate in Veterinary Medicine from Cairo University, Egypt; and MS and PhD degrees in Toxicology from Zagazig University, Egypt. Certified by both the American Board of Toxicology, and the National Board of Veterinary Medicine, Dr. Kadry is an active



member of the Society of Toxicology, Society of Risk Analysis, and other professional organizations. He is former President of the Association of Government Toxicologists.





Salah A. Soliman, PhD

Professor of Pesticide Chemistry and Toxicology.

University of Alexandria, Egypt.

Advisor, Bibliotheca Alexandrina.

He graduated from the Department of Pesticide Chemistry of that University in 1967, where he was appointed as Demonstrator until he received his PhD in 1975, then as Assistant (1975), Associate (1980) then Professor (1985).

He joined the Environmental Toxicology Division of the Health Effects Research Laboratory (HERL) of the US Environmental Protection Agency (USEPA) in the Research Triangle Park (RTP, NC) as a Visiting Scientist, 1979–1982. He continued his research on evaluating “the effect of occupational exposure to pesticides” in a cooperative study between University of Alexandria and the USEPA in North Carolina, 1983–1987.

In 1987, Dr. Soliman joined a team working at the University of Texas Medical Branch (UTMB) in Galveston, TX, as Visiting Professor focusing on research using Whole Body Autoradiography to identify the site of action of some radio-labeled delayed neurotoxic organophosphorus agents and to develop biochemical parameters in order to study the toxic effects of drinking water byproducts produced during its treatments.

In 1989, Dr. Soliman was transferred, on sabbatical leave, to King Saud University, Saudi Arabia, as Visiting Professor for five years.

In 1992, Dr. Soliman started to help the International Program on Chemical Safety (IPCS) of the World Health Organization (WHO), and

became a member of the Joint Meeting of Pesticide Residues (JMPR) Program of the Food and Agriculture Organization (FAO) and WHO. In 1999, IPCS/WHO founded the Risk Assessment Steering Committee (RASC) and Dr. Soliman served as the Vice-Chair of this Committee for three years.

In 2002, Dr. Soliman became a Special Advisor for Bibliotheca Alexandrina (BA) beside his main job as Professor of Pesticide Chemistry and Toxicology. Currently, he is the organizer and founder of many activities at the BA.

In October 2006, Dr. Soliman was selected by the Minister of Agriculture and Land Reclamation to form a new National Committee for the Registration and Handling of Pesticides in Egypt, and to develop roles needed to control these highly important issues. Dr. Soliman served as Vice-Chairman and Acting Chief of the Committee until January 2011.

Since 2007, and along with colleagues from the US Department of Agriculture and the African Union, Dr. Soliman is actively trying to establish Global Harmonization of Pesticide Maximum Residues and Global and International Harmonization of Pesticide Registration based on all gained initiatives in this regard.

Dr. Soliman supervised several MSc and PhD students who obtained degrees in Pesticide Chemistry and Toxicology. He teaches courses and supervises research at University of Alexandria. He published more than 70 papers and several books and chapters in these fields.

Dr. Soliman is a-more-than-thirty-years active member of the Society of Toxicology (SOT) and a member of many other national and international scientific groups; and he is recognized as the National Expert of Persistent Organic Pollutants (POPs) in Egypt, and for many national and international organizations.

Dr. Soliman received the First Class Medallion for Science and Arts from the President of Egypt in 1981.



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Program





Friday, 8 May 2015

Time	Program
13:00–14:00	Registration
14:00–16:00	Welcome Speech Ismail Serageldin, PhD Director, Library of Alexandria. Combined Cumulative Effects of Exposure Keneth Olden, PhD, ScD, LHD Director of National Center for Environmental Assessment. Office of Research and Development. U.S. Environmental Protection Agency.
16:00–17:00	Group photo Lunch break
17:00–20:00	Session 1: Introduction to Risk Assessment and EPA's Office of Research and Development Course Description. Session 2: Laws and Regulatory Foundations for Risk Assessment. Session 3: Development and Overview of Current Regulatory and Advisory Values.

Saturday, 9 May 2015

Time	Program
9:00–11:00	Session 4: Overview of Human Health Risk Assessment. Session 5: Gain knowledge of the meaning, development, and application of cancer and non-cancer health effect risk and reference values derived by EPA and other entities.
11:00–11:30	Coffee break
11:30–13:30	Session 6: Overview of the Integrated Risk Information System (IRIS) Assessment Development Process. Session 7: Introduction for the Application of risk assessment.
13:30–14:30	Lunch break

Sessions are divided into two parallel sessions

Time	Program	
14:30–16:30	Risk assessment for contaminants in food, and for pesticides and drugs development.	Risk assessment for contaminants in air and in water.
16:30–17:00	Coffee break	
17:00–19:00	Risk assessment for contaminants in food, and for pesticides and drugs development.	Risk assessment for contaminants in air and in water.

Sunday, 10 May 2015

Time	Program	
9:00–11:00	Risk assessment for contaminants in food, and for pesticides and drugs development.	Risk assessment for contaminants in air and in water.
11:00–11:30	Coffee break	
11:30–13:00	Closing Ceremony and Certificate Distribution	
13:00–14:00	Bibliotheca Alexandrina Tour	

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