Proposed GDG Members for the Guidelines for Drinking-water Quality

Abdelrahman, Samira Hamid, Blue Nile National Institute for Communicable Diseases, University of Gezira (UOG).
M.B.B.S.; M.Sc. Health Education; D.P.H. (Diploma in Public Health); PhD Community Medicine
Wadmedani, Gezira state, Sudan

Biography
Skills and experience:
- PI (Sudan): “Scientists Networked for Outcomes from Water and Sanitation – SNOWS” consortium - Wellcome Trust, addressing: research, training, development of guidelines and SOPs.
- Broad research experience as PI and in leading the development of academic and research guidelines, training curricula and field manuals for health care providers.
- Consultancies: review of health programmes; assessment of immunization coverage; development of: Strategic Plan for Health Promotion.

Published research:
Use and Impacts of Life Straw in settlement (camp) in Sudan; Gender Aspects and Women’s Participation in the Control and Management of Malaria; IMCI strategy: compliance with referral and follow – up recommendations; Introducing IMCI community component into the curriculum of the Faculty of Medicine, UOG; Teaching of major communicable diseases in Sudanese medical schools; Concomitant malaria among visceral leishmaniasis patients; Integrated bio-behavioural HIV surveillance surveys among Key Populations; Dealing with Ebola-infected waste: a Hazard Analysis of Critical Control Points for reducing the risks to public health.

Bevan, Ruth J
IEH Consulting Ltd. and Cranfield University: 2015 –
BSc (Hons), PhD
Nottingham, UK

Biography
Ruth has acted as an independent consultant since 2015 following her departure from Cranfield University where she held the position of Senior Lecturer in Human Health Risk Assessment, within the Institute of Environment and Health. Prior to joining Cranfield University, Ruth gained a BSc (Hons) in Applied Biology and PhD in Immunochemistry and her post-doctoral studies were carried out at the University of Leicester.
Ruth’s current expertise lie in toxicology and human health risk assessment in areas connected with environmental or occupational exposure to chemicals and she brings over 25 years’ experience to this field. Her particular interests lie in the areas of biomarkers of both exposure
and effect and in the setting of biological and occupational guidance values. Ruth is also involved with the setting of guideline values for chemicals in drinking water, participating in the Chemical Working Group of the Guidelines for Drinking-water Quality.

Ruth has published on a broad range of environment and health issues, notably in the field of occupational cancer burden and biomonitoring of environmental exposures (including via drinking water, food, air and consumer articles). In addition, Ruth is an editor for the Journal of Water and Health, and a fellow of the Royal Society for Biology (FRSB).

Brown, Joanne
Environmental Radioactivity Consultancy: 2016 –
Public Health England (formerly NRPB and HPA):
MSc: Radiation Biophysics 1983, BSc (2(i)): Physics 1982
Newbury, UK

Biography
Joanne Brown has over 30 years’ experience in radiation protection in the area of health risk assessment and development of public health guidance and advice on radiation protection issues, including drinking water and radioactive contaminated land. She has extensive experience in emergency response following nuclear accidents and the implementation of remediation options for drinking water and inhabited areas, including waste water.

She has provided support to WHO on radiological aspects of drinking water quality for several years and is currently assisting them with the development of guidance on interpretation and implementation of the WHO Guidelines for Drinking Water Quality.

Joanne has provided advice on radiological aspects of drinking water quality and public health risks in the UK and prepared guidance for regulators on requirements for radiological monitoring of drinking water to meet UK and European regulations. She has developed guidance on the effectiveness of water treatment in removing radionuclides and produced a handbook for the UK water industry to aid evaluation of potential doses to operatives working in water treatment works after a radiological incident.

CALDERON, ENRIQUE A.M.
Sanitary engineering institute of the Buenos Aires University
Water quality advisor in the Buenos Aires water and sanitation company (until 2014)
BSc (Biochemistry), Postgraduate in Environmental Risk Analysis
Buenos Aires, ARGENTINA

Biography
Water quality and Environmental microbiology Specialist.
Degree in Biochemistry (Southern National University, ARGENTINA)
Improvement Scholarships at the Environmental Protection Agency (USA) and at the Canadian Center for Inland Waters (Canada)
Training periods at the University of Arizona, South Florida University and Barcelona University
Professional activities in argentine water public Institutions (National Sanitary Works, Water and Sewage regulatory Agency, Buenos Aires water and sanitation company)
Former member of water quality committees or commissions of the Argentine Ministry of Health and the Argentina undersecretary of Water Resources
Member or former member of water and sanitation national and international professional associations (AIDIS, WEF, AWWA, IWA, ASM)
Professor and former Co-director in the career of specialization in water companies management ( Tres de Febrero national University)
Member of the Advisory Group on Environmental Engineering of PAHO in Argentina
Participation in numerous activities carried out by CEPIS (PAHO) and in the preparation of the report on the situation of water and sanitation in Argentina for GLAAS UN water survey.
Former member of the Latin American network of water safety plans
Member of the expert group for the development of WHO publications: WATER SAFETY IN PUBLIC BUILDINGS and First ADDENDUM of the fourth edition of the Guidelines for Drinking Water Quality

Chorus, Ingrid
Umweltbundesamt (Federal Environment Agency of Germany)
Dr.
Berlin, Germany

Biography
Ingrid Chorus heads the German Federal Environmental Agency’s Division on Drinking-Water and Swimming-Pool Hygiene. This division develops preventative concepts for managing drinking-water and swimming pools to control microbial and chemical pollution. It advises policy development, develops guidance for practitioners, implements legislation and conducts research for this purpose. Ingrid’s own research (on a training background in biology and freshwater ecology) has been in the areas of resource management and restoration, toxic cyanobacteria, algal metabolites as well as the elimination of pathogens and substances through underground filtration. The current focus of her work is on developing strategies and guidance materials for risk-based approaches to the management of drinking-water (including source waters), swimming-pools and freshwater recreational sites. It also includes collecting experience with integrating the risk-based approach into national and EU regulations and with the implementation of Water Safety Plan development. She feeds this experience back into the WHO process of further developing the WHO Guidelines for Drinking-water Quality as well as those for Safe Recreational Water Environments. Ingrid Chorus heads the Federal Environment Agency’s WHO Collaborating Centre for Research in the field of Drinking-water Hygiene.
Cunliffe, David A
Public Health Service, Department for Health and Ageing
Bachelor of Science with First Class Honours (Microbiology), Doctor of Philosophy (Microbiology).
Adelaide, South Australia, Australia

Biography
Dr Cunliffe is a public health regulator with 35 years of experience dealing with health aspects of water quality including drinking water supplies, recycled water and recreational waters. He is the principal water quality specialist with the South Australian Department for Health and Ageing and led the development and implementation of the South Australian Safe Drinking Water Act.

Dr Cunliffe has contributed to a range of national and international guidelines including the 3rd and 4th editions of the WHO Guidelines for Drinking-water Quality (GDWQ), the WHO Guidelines for the Safe Use of Wastewater, Excreta and Greywater, the 2004 and 2011 Australian Drinking Water Guidelines (ADWG) and the Australian Guidelines for Water Recycling. Dr Cunliffe has been a member of the WHO Drinking Water Quality Committee and the subsequent Water Quality and Health Technical Advisory Group since 2001. He has chaired International Task Force Meetings for the Finalization of WHO Guidelines. Dr Cunliffe has been a member and chair of national committees for the ongoing review of the ADWG and has also been a member of international expert panels dealing with water quality.

Dr Cunliffe has contributed to a number of specialist WHO water quality texts and has published on a wide range of issues including drinking water quality, potable reuse, desalination, rainwater quality, management of recycled water supplies and water-borne disease.

D’Anglada, Lesley V.
United States Environmental Protection Agency
B.S. Industrial Microbiology, CT (ASCP) Cytotechnologist, M.S. Environmental Health, Dr.P.H (Doctorate in Public Health), Environmental Health Major
Washington, DC. USA

Biography
Dr. Lesley D’Anglada is a Senior Microbiologist in the Office of Science and Technology, Office of Water, United States Environmental Protection Agency (USEPA). She received her Doctorate in Public Health, Master’s in Environmental Health and Bachelor’s Degree in Industrial Microbiology from the University of Puerto Rico.

Dr. D’Anglada began at USEPA in 2005 and has served as the Harmful Algal Blooms (HABs) lead for the Office of Science and Technology since 2007. She is the manager of the USEPA Drinking Water Health Advisories for Cyanotoxins and co-manager of the Recreational Criteria for Cyanotoxins. She is the Office of Water representative on the Interagency Working Group for the Harmful Algal Blooms, Hypoxia, Research and Control Act and on the National HABs Committee. She is the lead on microbes for the USEPA’s Contaminant Candidate List program and the author of various health assessments for microbes and co-author of the Literature Review.
of Livestock and Poultry Manure report. She is also a Co-Editor of *Toxins* special collections on HABs and Public Health. In her current role, she is Acting Chief of the Threats Analysis, Prevention and Preparedness Branch, Water Security Division, Office of Ground Water and Drinking Water.

Dr. D’Anglada began collaborating with WHO as a member of the Water Quality and Health Technical Advisory Group (WQTAG) in 2010. She participates in advisory groups in support of the Guidelines for Drinking Water Quality (GDWQ), and is co-author of the *Water Safety in Distribution System* WHO report (2014), and the *Application of Quantitative Microbial Risk Assessment for Water Safety Management* report (2016).

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**de Roda Husman, Ana Maria**  
National Institute for Public Health and the Environment (RIVM), Center for Infectious Disease Prevention and Control, Dept. Environment at Laboratory for Zoonoses and Environmental Microbiology  
Utrecht University, Institute for Risk Assessment Sciences  
PhD  
Bilthoven, The Netherlands

**Biography**

Prof. dr. Ana Maria de Roda Husman PhD has over 20 years of experience as a principal investigator in molecular virology and water microbiology. She advises policy makers at the Dutch government, the European committee, WHO, ECDC and EFSA on the possible infectious disease risks from exposure to human pathogens in water, and possible intervention measures. She has published over 100 peer-reviewed papers in scientific journals. She directs infectious disease research and policy advise at RIVM. She holds the chair of Global changes and environmentally transmitted infectious diseases at the Institute for Risk Assessment Sciences of Utrecht University. She has served as an expert for WHO since 2004 for the revision of the Guidelines for Drinking Water Quality, and is the director of the WHO Collaborating Center for Risk Assessment of Pathogens in Food and Water.

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**Fawell, John K.**  
Cranfield University Water Science Institute  
BSc Hons 2.1I, Diploma in Toxicology of the Royal College of Pathologists.  
Bourne End, United Kingdom

**Biography**

My degree is in applied biology with a specialisation in animal physiology. I graduate in 1969 and following a year working on the limnology of Lake Mweru in Zambia I worked in contract research on toxicology using quantitative histology and histochemistry for 6 years. I joined the food industry to study the safety of novel foods for 2.5 years and then joined the Water Research Centre (WRc) in the UK to work on the toxicology and occurrence of drinking-water contaminants. I was made chief scientist of the National Centre for Environmental Toxicology at WRc. I led a team that worked on a wide range of contaminants and as a WHO Collaborating
Centre for drinking-water I was closely involved in the development of the WHO GDWQ from 1986 to the present day. I left WRc in 2000 and joined Warren Associates to develop an environment division and became an independent consultant on drinking-water and environment in 2003. I was appointed to a visiting chair in water science at Cranfield University in 2010.

**GIDDINGS, Michèle**  
Health Canada  
BSc  
Ottawa, Ontario, CANADA

**Biography**  
Ms. Giddings has over 25 years of experience in drinking water-related science, policy and research. She leads the Water Quality and Science Division at Health Canada. In that capacity, she provides advice to national and international government and non-government agencies. Ms. Giddings leads scientific input into the Guidelines for Canadian Drinking Water Quality, which serve as the basis for establishing safe drinking water requirements across the country.

As an advisor to the WHO Drinking Water Quality Committee, Ms. Giddings brings extensive experience in evaluating human health hazards associated with contaminants in water. Over more than 10 years, Ms. Giddings has contributed to the WHO’s Drinking-water Quality Guidelines, including co-coordinating a Working Group and acting as Chair of the WHO Expert Panel meeting on Pharmaceuticals in Drinking Water.

Ms Giddings is appointed to the Ontario Advisory Council on Drinking Water Quality and Testing Standards, where she provides ongoing support to protecting drinking water in Canada’s most populous province. She is an active member of several professional associations, including serving on the Board of Directors of the Canadian Association for Laboratory Accreditation and acting as an Associate Editor of IWA’s Water Quality Research Journal of Canada. Ms. Giddings has a Bachelor of Science from the University of Guelph (Canada).

**Hirose, Akihiko**  
National Institute of Health Sciences  
Ph. D.  
Yokohama, Japan

**Biography**  
Dr. Hirose graduated from the School of Pharmaceutical Sciences, Toyama Medical & Pharmaceutical University, and earned his Ph.D. (Doctor of Medical Science) degree in 1990 from the Graduate School of Medicine, Tohoku University. He had worked on the general toxicity studies for industrial chemicals at the Division of Toxicology, National Institute of Health Sciences (NIHS) for several years. Then he moved to the Division of Risk Assessment, NIHS, and he is currently a Director of the Division. He specializes in hazard/risk assessment, especially dose-response assessment, for industrial chemicals, contaminants in drinking water and food. He has been mainly working on the chemical risk assessment of industrial chemicals.
as an expert member for the subcommittee under the Japanese Chemical Substance Law. He had been participating in the OECD SAIM/CoCAM meetings as an expert of Japanese delegate. He is a member of investigative committee for rolling revision of drinking water quality standards, Ministry of Health Labour and Welfare, and is also an expert member of the Expert Committee of Chemicals and Contaminants in Food Safety Commission, Japan. He is currently studying on the development of the QSAR/Category approaches for risk assessment, and of the methodology for evaluating health effects of manufactured nanomaterials.

Hunter, Paul H.
The Norwich Medical School, University of East Anglia, Norwich UK
& Tshwane University of Technology, Pretoria, South Africa
MBA MD
Tarporley, Cheshire UK

Biography
Professor Hunter qualified in medicine and specialised in Medical Microbiology and Communicable Disease Control. After working for the UK Public Health Laboratory Service, he was appointed Professor of Health Protection in the Norwich Medical School in 2001. His primary interests are in the diagnosis, treatment and prevention of acute diarrhoeal disease. He has also published on public health impact of climate change, hospital acquired infection, and dengue fever. As well as work in the UK, he has also conducted research in many other countries and has worked with international agencies and NGOs.

Professor Hunter has been a member various national and international expert working groups, including WHO, OECD, ECDC and US EPA. Most recently he has been heavily involved in working with the WHO group producing guidance on Water and Sanitation Issues around the Ebola epidemic.

Professor Hunter has written or edited 6 books, 31 chapters in books and over 230 articles in the peer-reviewed literature. According to Google Scholar he has been cited over 11000 times and his h-index is 52 (April 2016). Over the past 10 years, he has been successful at winning grants totalling about £28million from a variety of sources.

Labhasetwar, Pawan
Water Technology and Management Division, National Environmental Engineering Research Institute (NEERI), Nagpur, India
Ph.D. in Civil Engineering

Masters of Engineering
India
Bachelor of Engineering

Nagpur, India
Biography

- Ph.D. in Environmental Engineering with graduation in Civil Engineering
- Laboratory and in-field experience on water quality monitoring and surveillance, risk assessment, water safety plan, health-based targets for geogenic contaminants, quantitative chemical risk assessment, water treatment, decentralised wastewater treatment and environmental impact assessment
- Carried out study for developing health-based target for fluoride in fluorosis endemic area in India
- Participated in Multi-district Assessment of Water Safety (MDAWS) in which water quality is monitored at about 12000 locations
- Assisted in implementation of 200 fluoride and iron removal plants in Chhatisgarh, India
- Coordinated a study for developing and implementing water safety plan for Urban Water Supply (Nagpur) having 2.5 million population
- Coordinating a project “Assessment of water quality and sediment analysis to understand the special property of Ganga River” in which about 50 water quality parameters are being analysed along 2500 km river stretch

Linden, Karl G.
University of Colorado Boulder
B.S. Agricultural and Biological Engineering
M.S. Environmental Engineering
Ph.D. Environmental Engineering
Boulder, Colorado USA

Biography

Karl G. Linden is a Professor of Environmental Engineering and Mortenson Professor in Sustainable Development at the University of Colorado Boulder, USA. He has a BS from Cornell University and MS and PhD from University of California Davis in Environmental Engineering. He teaches classes on UV Processes in Environmental Systems, Sustainable Water Reuse, and Water Sanitation and Hygiene. Dr. Linden’s research has investigated novel water and wastewater treatment systems, including advanced and innovative UV systems; the efficacy of UV and ozone disinfection for inactivation of pathogens; and the use of UV and advanced oxidation processes for the degradation of organic and other emerging contaminants in water and wastewater. Dr. Linden is an associate editor of Journal of the American Water Works Association, serves as Trustee of the Water Science and Research Division of the AWWA, and was 2013-2015 President of the International Ultraviolet Association (IUVA). He was named a 2013-2014 Fellow of the Australian Water Recycling Centre of Excellence, received the 2013
Pioneer Award in Disinfection and Public Health from the Water Environment Federation and was the WateReuse Association’s 2014 WateReuse Person of the Year. Professor Linden Co-Directs the Mortenson Center in Engineering for Developing Communities at CU Boulder.

**Marsden, Peter K**  
**Drinking Water Inspectorate, London, UK**  
**BA(Hons) D Phil**  
**North Yorkshire, UK**  

**Biography**  
Peter has an honours degree in Chemistry and a DPhil in synthetic organic Chemistry from the University of Oxford.

From 1986 until 1988 he worked for Severn Trent Water Authority, running and monitoring a number of drinking water pilot plants and assisting with treatment works trials. The work focussed primarily on dissolved air flotation and granular activated carbon filtration.

Between 1988 and 1991 he worked as Scientific Officer, Higher Scientific Officer and then Senior Scientific Officer in the Ministry of Agriculture’s Pesticide Safety Directorate, specialising in the environmental fate and behaviour of pesticides.

Since 1991 he has worked as an Inspector, then Principal Inspector, at the Drinking Water Inspectorate. His work has included all aspects of the Drinking Water Inspectorate’s role as the independent regulator of the water companies in England and Wales. He was closely involved in the amendments to the drinking water regulations that implement a Water Safety Plan approach to drinking water regulation. Currently he manages the government’s research programme on Drinking Water Quality and Health and its approval scheme for products and substances in contact with drinking water.

**Matsui, Yoshihiko**  
**Faculty of Engineering, Hokkaido University (2005 - ), The Research Center for Science Systems, the Japan Society for the Promotion of Science, (2013 – 2016), Doctor of Engineering, Hokkaido University**  
**Master of Engineering, Hokkaido University**  
**Bachelor of Engineering from Hokkaido University**  
**Sapporo, Japan**  

**Biography**  
Specialty: Water treatment, Water quality regulation

**Education:**
Doctor of Engineering, Hokkaido University (1992)
Master of Engineering, Hokkaido University (1982)
Bachelor of Engineering from Hokkaido University (1980)
Major: Environmental and Sanitary Engineering

Occupation:
Full Professor (2005 - present)
Faculty of Engineering, Hokkaido University
Lecture courses: Environmental risk analysis, assessment, and management
   Reaction Engineering
   Environmental Engineering

International Activities:
Fellow of International Water Association (2012 - present)

Major Off-campus Official Activities:
Member of Committee on Rolling Revision of Water Quality Standard, Ministry of Health, Labour and Welfare
Member of Committee on Management Follow-up of Hokkaido Dams, Ministry of Land, Infrastructure, Transport and Tourism, Hokkaido Regional Development Bureau
Chairman of Council on Sapporo-city Public Enterprises, Sapporo City

Publications
160 peer-reviewed scientific papers.

Ong, Choon Nam
NUS Environmental Research Institute
Saw Swee Hock School of Public Health, National University of Singapore

Biography
Choon Nam ONG is the Director of the NUS Environmental Research Institute (NERI) and a professor at the Saw Swee Hock School of Public Health, National University of Singapore. He has published more than 300 papers in international peer-reviewed journals with an $h$-index of 75, and over 17,000 citations. His main research interest is Environmental Health Sciences and teaches in Toxicology and Environment Health, and nursing a lifelong passion of all matters related to environmental health. Since 1985, he has served as a consultant to the World Health Organization (WHO) on many occasions and was involved in 12 of its Health Criteria publications. He is an editorial board member of several international journals on environment and sustainability. He is a visiting professor to several overseas universities and serves as a Scientific Advisor to the China Center of Disease Control and Prevention (CDC). He was the recipient of Astra-Zeneca American Toxicology Society Award, 2002. Dr Ong also served as an advisor to the OECD, US National Water Research Institute, and has been consulted often by international health agencies on issues related to environmental health. He has been a member of the WHO Guidelines for Drinking-Water Quality Expert Panel since 2003. His research group
currently focuses on the use of metabolomics as a technology platform for biomedical and environmental research.

**RAMASAMY, Santhini**  
United States Environmental Protection Agency  
PhD, MPH, DABT  
Washington DC, USA

**Biography**
Dr. Santhini Ramasamy has been with the Environmental Protection Agency since 2000. She is a senior scientist at EPA and provides risk assessment support for many water contaminants (metals, industrial chemicals, pesticides, natural contaminants) subjected to Safe Drinking Water (SDWA) and Clean Water Act (CWA) regulations. She has conducted human health and ecological risk assessments and provided technical support towards registration and reregistration of many pesticides under Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and Food Quality Protection Act (FQPA). She coordinates research planning activities for the Office of Water and serves as the Office of Water representative in several Agency, Inter Agency and International workgroups (e.g., endocrine disruption, risk assessment, biomonitoring efforts, WHO drinking water guidelines). Prior coming to EPA, she worked as a senior scientist in an environmental consulting company (ISSI) for one year in Silver Spring, MD. Prior to the consulting job, she worked as an Associate Professor in the Emory School of Medicine, Atlanta, GA studying molecular mechanisms involved in endothelial cell dysfunction and cardiovascular disease.

She received her PhD in Biochemistry from the University of Madras, India. She received her MPH in Environmental and Occupational Health from the Emory University. She has been a certified toxicologist from the American Board of Toxicology since 1998.

**Snyder, Shane A.**  
University of Arizona  
B.A. – Chemistry; Ph.D. – Environmental Toxicology & Zoology  
Tucson, Arizona USA

**Biography**
Dr. Snyder is a Professor of Chemical & Environmental Engineering, and holds joint appointments in the College of Agriculture and School of Public Health, at the University of Arizona. He also co-directs the Arizona Laboratory for Emerging Contaminants (ALEC) and the Water & Energy Sustainable Technology (WEST) Center. For over 20 years, his research has focused on the identification, fate, and health relevance of emerging water pollutants. He has published over 200 manuscripts and book chapters on water contaminant analysis, treatment, and toxicology (h-index = 58 as of April 2016). He currently serves as an Editor-in-Chief for the international journal *Chemosphere*. Snyder has been invited to brief the Congress of the United States on three occasions regarding emerging issues in water quality and he has served on several US EPA expert panels and is currently a member of the EPA’s Science Advisory Board drinking
water committee. He has previously served on the WHO’s Drinking Water Advisory Panel and on the US National Academy of Science’s National Research Council Committee on Water Reuse. Dr. Snyder is also a Visiting Professor at the National University of Singapore and an Adjunct Professor at the Gwangju Institute of Science and Technology, South Korea.

Sobsey, Mark D.
University of North Carolina
BS: Biology, MS: Hygiene, PhD: Environmental Health Sciences
Chapel Hill, North Carolina, USA

Biography
Dr. Mark Sobsey is a Kenan Distinguished Professor of Environmental Sciences and Engineering, specializing in Environmental Health Microbiology and Water, Sanitation and Hygiene in the Department of Environmental Sciences and Engineering, Gillings School of Global Public Health, University of North Carolina at Chapel Hill. After a post-doctoral position (1971), instructorship (1972) and assistant professorship (1973) in the Department of Virology and Epidemiology, Baylor College of Medicine, Houston, Texas, he joined the faculty at UNC-CH in 1974 as an assistant professor. Professor Sobsey’s research, teaching and service encompass the detection, characterization, occurrence, environmental survival/transport/fate, treatment, human health effects characterization and risk assessment of viruses, bacteria and parasites of public health concern in water, wastewater, biosolids, soil, air and food for the prevention and control of water-, food- and excreta-borne disease. His recent research focuses on household water treatment and safe storage for improved water quality and health, new, improved and rapid microbial detection technologies for water and wastewater, wastewater reclamation and reuse, virus survival and on-site chemical disinfection in fecal wastes and sewage, and antimicrobial resistance of bacteria in the environment associated with fecal waste sources. He has published more than 250 peer-reviewed papers, book chapters, monographs and reports, including documents for the World Health Organization related to water, sanitation and hygiene.

Strong, Jamie Benedict
BS, majors biology and chemistry; Ph.D, Concentration: Toxicology
Silver Spring, MD, USA

Biography
Dr. Strong is the chief of the Human Health Risk Assessment Branch (HHRAB) in the U.S. Environmental Protection Agency (EPA) Office of Water, Office of Science and Technology. Dr. Strong has over 13 years of toxicology and human health risk assessment experience. As chief of HHRAB, Dr. Strong develops human health criteria and documentation to support the development of standards for drinking water and ambient water quality. Previously, Dr. Strong served as the Assistant Center Director for Risk Analysis and Branch Chief in EPA’s Office of Research and Development (ORD). In this role, Dr. Strong was responsible for scientific oversight of multiple Integrated Risk Information System (IRIS) assessments for multiple chemicals. Dr. Strong also served as the Deputy Associate Director for Chemical Regulations at
the White House Council on Environmental Quality. In this role, she coordinated with Federal Agencies and other White House offices in the development of environmental policy and initiatives. Dr. Strong received her B.S. in chemistry and biology from the University of Richmond and her PhD in toxicology from the University of Maryland. She received the EPA Joseph Seifter Award and has published in and served as a reviewer for several peer reviewed journals.

Disclaimer:
In order to enhance its management of conflicts of interest as well as strengthen public trust and transparency in connection with WHO meetings and activities involving the provision of technical/normative advice, the names and brief biographies of individuals (“Published Information”) being considered for participation in a WHO-convened Guideline Development Group are disclosed for public notice and comment.

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