Contents

613 COVID-19: urgent actions, critical reflections and future relevance of ’WaSH’: lessons for the current and future pandemics
Guy Howard, Jamie Bartram, Clarissa Brocklehurst, John M. Colford Jr, Federico Costa, David Cunliffe, Robert Dreibelbis, Joseph Neil Spindel Eisenberg, Barbara Evans, Rosina Girones, Steve Hrudey, Juliet Willetts and Caradee Y. Wright

631 Quality change mechanism and drinking safety of repeatedly-boiled water and prolonged-boil water: a comparative study
Yuanzheng Zhai, Jingwen Yang, Yaguang Zhu, Qingqing Du, Wenzhen Yuan and Hong Lu

654 Staphylococcus aureus and methicillin-resistant Staphylococcus aureus (MRSA) in drinking water fountains in urban parks
Geyse A. C. Santos, Milena Dropa, Solange M. Rocha, Francisca A. S. Peternella and Maria Tereza Pepe Razzolini

665 Bacterial community evolution along full-scale municipal wastewater treatment processes
Lei Zhang, Yanan Cheng, Chang Qian and Wenxuan Lu

681 Evaluation of bottled water quality by determining nitrate concentration
Maria Susana Fortunato, Ana Julieta González, María Florencia Tellechea, Mariano Humberto Reynoso, Favia Vallejos, Andrea Natalia Donaire, Sonia Edith Korol and Alfredo Gallego

692 Water safety in drought: an indigenous knowledge-based qualitative study
Azadeh Fatehpanah, Katayoun Jahangiri, Seyed Hesam Seyedin, Amir Kavousi and Hossein Malekinezhad

704 An investigation of the possible scenarios for the optimal locating of quality sensors in the water distribution networks with uncertain contamination
Hamideh Jafari, Taher Rajaee and Sara Nazif

722 Water desalination, serum magnesium and dementia: a population-based study
Sara Ben Zaken, Or Simantov, Avraham Abenstein, Zorian Radomysky and Gideon Koren

728 Inorganic contaminants in Canadian First Nation community water systems
Kaycie Lane, Benjamin F. Trueman, Javier Locsin and Graham A. Gagnon
741 Variability of water, sanitation, and hygiene conditions and the potential infection risk following cesarean delivery in rural Rwanda
  Katharine Ann Robb, Caste Habiyakare, Fredrick Kateera, Theoneste Nkurunziza, Leila Dusabe, Marthe Kubwimana, Brittany Powell, Rachel Koch, Magdalena Gruendl, Patient Ngamije, Robert Riviello and Bethany Hedt-Gauthier

753 Prevalence, antibiotic resistance and virulence of Enterococcus spp. from wastewater treatment plant effluent and receiving waters in South Africa
  L. G. Molale-Tom and C. C. Bezuidenhout

766 Impact of wave action and rainfall on incidence and antibiotic resistance of total coliforms in Southern California beaches
  Rebecca Hernandez, Ismael Acedo and Jesse G. Dillon

776 Molecular detection of Acanthamoeba spp. in Seven Crater Lakes of Laguna, Philippines
  Lea D. Ballares, Frederick R. Masangkay, Joseph Dionisio, Oliver Villaflor, Maria Ruth Pineda-Cortel and Giovanni D. Milanez

785 Trends in access to water and sanitation in Malawi: progress and inequalities (1992–2017)
  Alexandra Cassivi, Elizabeth Tilley, E. O. D. Waygood and Caetano Dorea

798 Water, sanitation, and hygiene (WASH) factors associated with growth between birth and 1 year of age in children in Soweto, South Africa: results from the Soweto Baby WASH study

820 Molecular detection of opportunistic pathogens and insights into microbial diversity in private well water and premise plumbing
  Jia Xue, Bowen Zhang, Jennifer Lamori, Kinjal Shah, Jovanny Zabaleta, Jone Garai, Christopher M. Taylor and Samendra P. Sherchan

835 Association between concentrations of chromium in drinking water and mortality due to suicide in Alabama
  Caitlyn C. Whitaker, Marshall E. Cates, Danielle L. Cruthirds and Gregory S. Gorman

843 Chemical disinfectants of COVID-19: an overview
  Mohammad Hussein Al-Sayah

849 Extended-spectrum beta-lactamase (ESBL)-positive Escherichia coli presence in urban aquatic environments in Kanpur, India
  Ann Johnson, Olivia Ginn, Aaron Bivins, Lucas Rocha-Melogno, Sachchida Nand Tripathi and Joe Brown