

Manohari (Mano) Sivaganesan, Statistician in EPA's National Risk Management Research Laboratory

Water Systems Division

[Mailing Address](#)

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Areas of Expertise:

- Statistics and Mathematics
- Experimental design
- Computer science
- Analyzing data using traditional and Bayesian statistical methodologies.

Select Publications:

Sivaganesan M, Varma M, Siefring S, Haugland R. [Quantification of plasmid DNA standards for U.S. EPA fecal indicator bacteria qPCR methods by droplet digital PCR analysis](#). Journal of Microbiological Methods. 152:135-142, 2018.

Korajkic, A., B. McMinn, N. Ashbolt, Mano Sivaganesan, V. Harwood, and O. Shanks. [Extended persistence of general and cattle-associated fecal indicators in marine and freshwater environment](#). Science of the Total Environment. 650(1):1292-1302, 2018.

Cao Y, **Sivaganesan M**, Kelty CA, Wang D, Boehm AB, Griffith JF, Weisberg SB, Shanks OC. [A human fecal contamination score for ranking recreational sites using the HF183/BacR287 quantitative real-time PCR method](#). Water Resources. 128:148-156, 2018

Stachler E, Kelty C, **Sivaganesan M**, Li X, Bibby K, Shanks OC. [Quantitative CrAssphage PCR Assays for Human Fecal Pollution Measurement](#). Environmental Science & Technology. 51(16):9146-9154, 2017.

Stachler, E., C. Kelty, Mano **Sivaganesan**, X. Li, K. Bibby, and O. Shanks. [Quantitative CrAssphage PCR Assays for Human Fecal Pollution Measurement](#). Environmental Science & Technology. 51(16):9146-9154, 2017.

Wanjugi P, **Sivaganesan M**, Korajkic A, Kelty CA, McMinn B, Ulrich R, Harwood VJ, Shanks OC. [Differential decomposition of bacterial and viral fecal indicators in common human pollution types](#). Water Resources. 105:591-601, 2016

View more research publications by [Manohari Sivaganesan](#).

Education:

- Ph.D., Purdue University, West Lafayette, IN; Statistics, 1989
- M.S., Marquette University, Milwaukee, WI; Math, Statistics and Computer Science, 1983
- B.S., University of Colombo, Sri Lanka; Mathematics, 1977

Professional Experience:

Awards and Honors:

- U.S. EPA Scientific and Technological Achievement Awards (STAA) Level II, 2013
- U.S. EPA STAA Level I, 2010
- U.S. EPA STAA Level III, 2006