

Debbie Flanigan, Microbiologist, in EPA's National Exposure Research Laboratory

Exposure Methods and Measurements Division

[Mailing Address](#)

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Area of Expertise: Research has involved Polymerase Chain Reaction (PCR), gel electrophoresis, genomic DNA isolation, hybridization and purification. Inoculation, isolation and purification of *Giardia* cysts from mice and gerbils; detection and identification of *Giardia* cysts and *Cryptosporidium* oocysts. Detection of *Helicobacter pylori* in wastewater, ground, surface and drinking water. Bacterial indicators in shellfish; tissue culture; and viral assays and identification. Currently, serving as a WACOR on research contracts, Purchase Card Holder, Custodial Officer, Manage BPAs, Shipments, along with performing other technical and scientific duties.

Select Publications:

Flanigan, D. and Rodgers, M. A method to detect viable *Helicobacter pylori* bacteria in groundwater. *Acta hydrochimica et hydrobiologica* 31(1):45-48 (2003).

Rodgers, M.R., Flanigan, D., Pfaller, S., Jakubowski, W., Kinkle, B. Identification of a flavobacterium strain virulent against *Giardia lamblia* cysts. *World Journal of Microbiology and Biotechnology* 19:703-709 (2003).

Rodgers, M.R., Flanigan, D.J. and Jakubowski, W. Identification of Algae which interfere with the detection of *Giardia* cysts and *Cryptosporidium* oocysts and a method for alleviating this interference. *Applied and Environmental Microbiology* 61(10): 3759-3763 (1995).

View more research publications by [Debbie Flanigan](#).

Education:

- B.S. Biology, University of Cincinnati, 1983

Professional Experience:

- Microbiologist, USEPA, ORD/NERL/EMMD, Cincinnati, OH 2011 – Present
- Microbiologist, USEPA, ORD/NERL/MCEARD/MERB, Cincinnati, OH 1991– 2011
- Biological Lab Technician, USEPA, ORD, Parasitology & Immunology, Cincinnati, OH 1986 - 1991
- Staff Microbiologist, Technion International, Inc. (USEPA Contractor), Cincinnati, OH 1984 – 1986
- Biological Aide, USEPA, ORD, Virology Branch, Cincinnati, OH 1980 – 1983

Honors and Awards:

- Superior Accomplishment Recognition Award – 2005
- Scientific and Technical Achievement Award (STAA) Honorable Mention – 2004