

James E. Andrews

Education

- B.S., University of North Carolina, Chapel Hill, NC; Chemistry/Zoology, 1974.
- M.S., North Carolina State University, Raleigh, NC; Toxicology, 1983.
- Ph.D., North Carolina State University, Raleigh, NC; Toxicology, 1987.

Professional Experience

- 1971-77: Research Chemist, EPA.
- 1977-present: Research Toxicologist, EPA.

Research Interests

- Investigations into the biochemical mechanisms of embryo toxicity and chemical teratogenesis.
- Effects of xenobiotics on embryos and extraembryonic membranes and the extent to which these reactions influence malformation and embryo toxicity.

Professional Activities

- Editorial Board: Reproductive Toxicology.
- Advisor for Guest Worker, Dr. T.S. Roy, All India University, New Delhi, India.

Selected Publications

Andrews JE, Nichols HP, Schmid JE, Mole LM, Hunter ES, Klinefelter GR. 2004. Developmental toxicity of mixtures: The water disinfection by-products dichloro-, dibromo- and bromochloro acetic acid in rat embryo culture. *Reprod Toxicol*. 19:111-6. [Abstract](#)

Huang, Y.S., Held, G.A., Andrews, J.E. and Rogers, J.M. (2001). (14)C methanol incorporation into DNA and proteins of organogenesis stage mouse embryos in vitro. *Reproductive Toxicology* 15(4):429-35.