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## Bruce E. Logan



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## Research Areas:

- Bioenergy production
  - Electricity generation using microbial fuel cells (MFCs)
  - Hydrogen production by microbial electrolysis cells (MECs) and fermentation
  - Water desalination with a zero-electrical energy input using microbial desalination cells (MDCs)
  - Study of electro-active bacteria (electromicrobiology)
- Particle dynamics

- Filtration, coagulation and bioadhesion
- Bioremediation

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