Tech-Accès Canada

Version française

Bioindustrial Process Research Centre (BPRC)

Lambton College

Sarnia, ON

ABOUT BPRC

The Bio-Industrial Process Research Centre (BPRC) is a Research and Innovation Centre for supporting industry, in particular SMEs, with training and access to technology and equipment and with assistance in developing new products or processes in the key areas of: Fermentation and Distillation; Bioproducts, Biofuels, Biochemicals and Biomaterials; Pharmaceutical and Natural Health Products; Instrumentation and Process Control; Cultivation, Extraction and Chemical Analysis; Food and Beverage; Cleantech; Life Sciences and Biotechnology.

With a complement of nine full-time researchers, numerous student researchers and $5 million worth of biotechnology analytical and production equipment located in a Fermentation Lab, Bio Analytical Lab, Natural Health Products lab and Material Processing and Testing Lab, the BPRC is well equipped to serve the needs of many diverse partners.

In its first year of operation since launching in 2019, BPRC developed and executed over 70 projects with 60 partners, including international partners. In addition, BPRC is well connected to local and regional accelerators working in the cleantech and sustainable chemistry sectors.

Contact BPRC

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RESEARCH AND INNOVATION EXPERTISE

EXPERTISE

1. Fermentation and Distillation
2. Bioproducts, Biochemicals, Biofuels and Biomaterials
3. Pharmaceutical and Natural Heatlh Products
4. Cultivation, extraction and chemical analysis
5. Bio Process Instrumentation and Process Control
6. Food and Beverage
7. Cleantech
8. Life Sciences and Biotechnology

Fields of projects

- Separation and Characterization of Glucose, Xylose and Oligomers from Cellulosic Biomass
- Optimizing Cannabis Terpene Isolation
- Development of New Kombuchas
- Evaluation of Sustainable Cannabis Extraction Methods
- Concurrent Alcohol Recovery and Fermentation
- Vermicomposting of Agri-Food Waste
- Detection of Bacterial Pathogens in Water
- Industrial Production of Black Soldier Fly Larvae
- Molecular Agriculture of Medicinal Herbs