

# Centre for Natural Products & Medical Cannabis (NPMC)

Loyalist College

📍 Belleville, ON

Centre for Natural Products  
and Medical Cannabis

**LOYALIST**  
**COLLEGE**

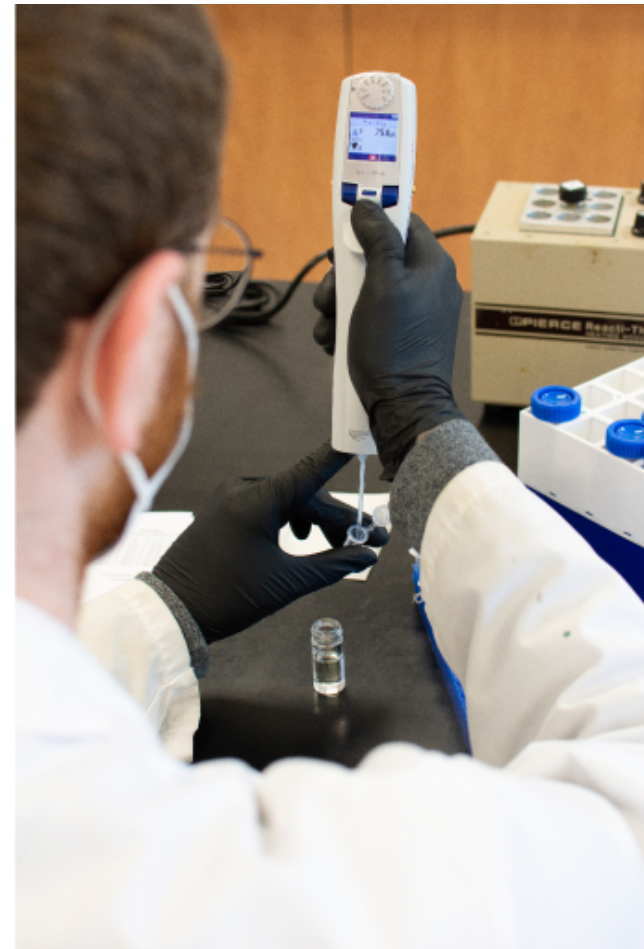
## ABOUT NPMC

The Applied Research Centre for Natural Products and Medical Cannabis (ARC) offers companies a platform from which to enhance productivity, expand reach and augment competitiveness in the global market. With applications in the natural health products, cannabis, and the food and beverage industries, the ARC uses research and collaboration to help clients solve everyday problems.

Clients come to us for product development and testing new ideas, analytical testing and validation, equipment demonstration and testing, compliance and documentation expertise, and skilled workforce training.

The Loyalist College ARC is well known for its cannabis expertise and its expertise in green extraction methods. Loyalist was the first college in Canada to have a laboratory licensed by Health Canada to conduct cannabis research and analytical testing, and the first college to have a research license renewed for five years and analytical testing license renewed for three years.


In addition to providing an environment for College-cannabis industry partnerships to thrive, the ARC also supports employers in building skilled workforces. Loyalist's Cannabis Applied Science students gain exceptional experiential learning opportunities through their work on real-world projects with both academic and industry personnel.





ARC



# Contact NPMC

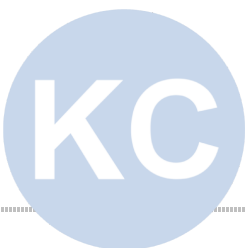
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 [loyalistappliedresearch.com/centres-and-services/applied-research-centre-for-natural-products-and-medical-cannabis/](https://loyalistappliedresearch.com/centres-and-services/applied-research-centre-for-natural-products-and-medical-cannabis/)

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# RESEARCH AND INNOVATION EXPERTISE

## EXPERTISE

1. Process/method organization
2. Supercritical CO2 extraction testing/ analytics
3. Feasibility studies
4. Equipment/ space rental
5. Workshops and training
6. Analytical chemistry
7. Beverage testing

## Previous Research Projects

- Biosynthesis pathways of cannabinoids
- Literature review to determine validity of proprietary sprays for applications in cannabis industry
- Cannabinoid retention caused by leaching
- Selective extraction of essential oils
- Effects of microgravity and space radiation on cannabis plants
- Analysis of active ingredient to manage varroa mite infestations in bee colonies
- Testing THC in suspension
- Cannabinoid profiles for treated cannabis
- Reflective film analysis

## Fields of projects

- |                      |                     |
|----------------------|---------------------|
| • Ag-tech            | • Food quality      |
| • Food processors    | • Beverage quality  |
| • Cannabis producers | • Laboratories      |
| • Packaging          | • Cannabis products |
| • Natural products   | • Packaging         |

