

## *Pyrolysis of Biomass and their Characterization for Composite Applications*

### **- Postdoctoral Research Fellow Position**

Postdoctoral Fellowships are available at the Bioproducts Discovery and Development Centre, University of Guelph.

Location	Guelph, Ontario, Canada
Entry Terms	Flexible start date
Deadlines	Applications are currently being accepted
Degree Requirements	PhD degree in the field of Engineering and Science (polymer engineering/ chemistry/ material science), or a related discipline.



### **About BDDC**

BDDC is a well resourced facility, unique to Ontario, provides opportunity for companies, entrepreneurs, and research organizations to partner with university-based researchers toward development of commercial new biomaterials, bioplastics, biocomposites, biochemical and process technologies.

The BDDC is staffed by graduate and post-doctoral students working in the areas of polymer science, chemical engineering, advanced material science and applied microbiology.

Commercial application of research results is a guiding principle for the BDDC. Innovations coming from the BDDC help companies in their efforts to reduce greenhouse gas emissions and their environmental footprint.

### **Visit us at**

[www.bioproductscentre.com](http://www.bioproductscentre.com)

University of Guelph is an equal opportunity employer.

### **Postdoctoral Opportunities (1 position available)**

The Bioproducts Discovery and Development Centre (BDDC) at the University of Guelph, seeks highly motivated researchers for Postdoctoral Fellow position -

#### **Bioplastic-based barrier packaging applications.**

Specific Requirements for this position are:

- A PhD obtained in August 2014 or later, in the area of chemical, materials or polymer science and engineering with a strong publication record in the field of biomass, pyrolysis engineering.
- Must have extensive experience in the pyrolysis of biomass and the characterization of their properties.
- Knowledge and a strong publication record in biomass and pyrolysis engineering, biocarbon, and melt processed bioplastics and composites is required.
- Knowledge in the functionalization of biocarbon, melt processed bioplastics and composites is required.

The selected candidate will have the opportunity to work with senior scientists from different areas (materials science and engineering, chemical engineering, mechanical engineering, polymer chemistry, packaging and plant agriculture) and will have the chance to work collaboratively with industrial partners.

Duration of the contract: one year, with possible extension for an additional year.

Salary: CDN\$38,000-42,000 per annum, plus benefits.

#### **How to Apply**

Please send your application package to [bddepositions@uoguelph.ca](mailto:bddepositions@uoguelph.ca).

Each application package must contain:

- a cover letter outlining qualifications for the specific position applied and earliest date of availability, if selected;
- 2-page summary outlining your interest and motivation to work in the Bioproducts Discovery and Development Centre (BDDC) – for each position applying;
- up to date CV (curriculum vitae) with contact information for three professional/academic references (with contact details); and
- 2 or 3 of your scientific publications (of your choice) in pdf format.

If applying for multiple positions, you must send separate application package for each position you are applying for.

Initial review of applications will begin September 15, 2016 and continue until the position is filled. The positions will close when the position is filled.

*We thank all applicants who apply, but only short-listed candidates will be contacted.*