



CANADIAN
IRRADIATION
CENTRE



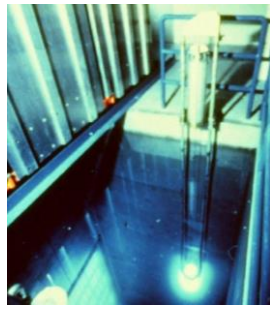
CENTRE
D'IRRADIATION
DU CANADA

**CIC was created in 1987 in collaboration
with the Canadian Atomic Energy Agency
Agreement of 15 years**



**Dr Marcel Gagnon, Ph.D. O.Q.
Founder of the CIC and of the
CRESALA**

Since 2002, the CIC is belong INRS



Canadian Irradiation Center

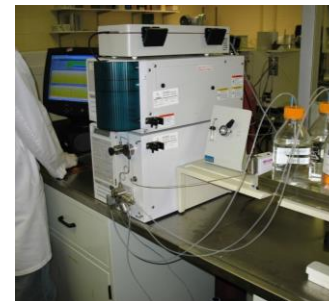


The Research Laboratories in Sciences, Applied to Food is located at the Canadian Irradiation Centre to combine the expertise of their members to develop, demonstrate and promote radiation processing technology and its diversed applications

by conducting applied research, training technical, professional ad scientific personnel, educating industry and government, developing processing procedure.

11 000 square feet of laboratories: Biochemistry, Chemistry, Microbiology, dosimetry, sensorial evaluation, virology, physico-chemistry

Research for the development of Biofood industries



Contribution of innovative technologies to sustainable agriculture



The use of irradiation for



The determination of the radioresistance and the radiosensitivity mechanism of microorganisms and virus for the development of combined treatment to assure food safety (irradiation with stabilized natural antimicrobial compounds)

The development of Reinforced Bio polymeric Matrix for Encapsulation of Bioactive Compounds

The development of advanced active Biosourced Biodegradable bio packaging

The valorization of industrial waste for the development of active Bio-sourced Biodegradable bio packaging



Contribution to more than 34 international projects with 11 countries

Participate in 21 scientific missions in Europa, Africa, Asia, the Caribbean, and Latin America

Until now, 34 researchers from 19 countries in collaboration with IAEA came at CIC for a training in irradiation

Vietnam, Bangladesh, Argentine, Tunisia, China, Mexico, Egypt, Maroc, Brazil, Central Africa, Syria, Thailand, Senegal, Gabon, Philippines, Peru, Chile, Ghana, Algeria.

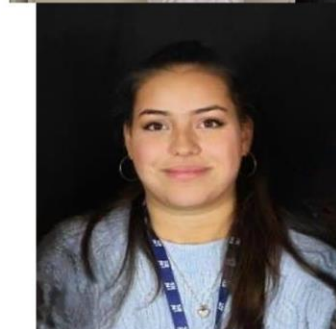
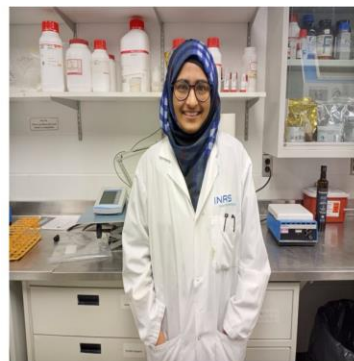
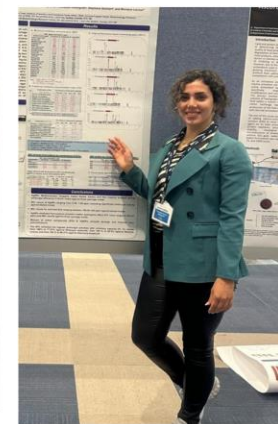
20 postdoctoral fellows came from 10 countries,

23 Ph.D. came from 9 countries,

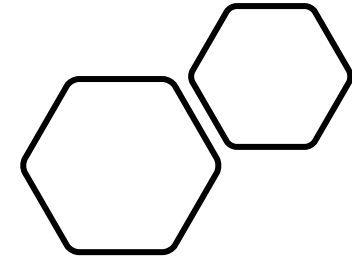
58 M.Sc. Students came from 10 international countries

4 Ph.D. and 40 M.Sc. in collaboration with 5 international countries

413 scientific publications cited more than 23 090 times



**Our recent graduates
From Iran and Bangladesh**



•Thank you



Monique Lacroix, Ph.D.
Professor, Director
Research Laboratories in Sc. Applied to Food
Canadian Irradiation Centre
531 des prairies, Laval city, Québec, Canada
H7V 1B7
Tel 1 450 687 5010 ext 4489
Cell: 1 514 912 5748
Email: monique.lacroix@inrs.ca