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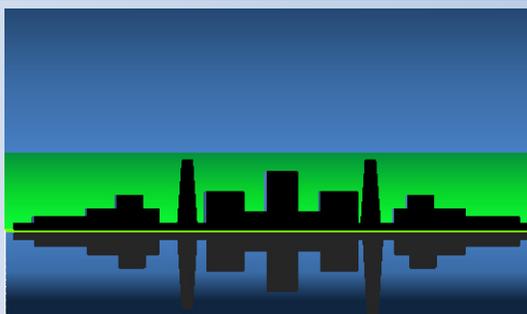
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## 245<sup>th</sup> National Meeting of the American Chemical Society

April 7-11, 2013

New Orleans, LA

In addition to this Symposium, the DNCT Division of ACS will hold several other symposia in basic and applied nuclear chemistry. There will also be many symposia offered in all branches of chemistry. More information will be available on the ACS web site beginning on August 20, 2012, as the meeting opens.

### Contacts and Information

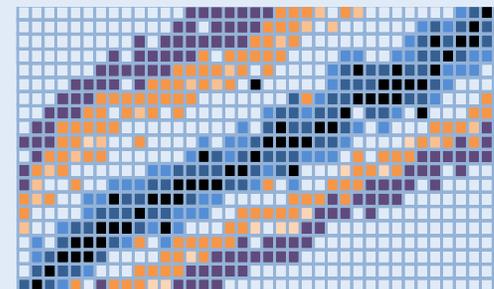
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[ACS web page](#)

[DNCT web page](#)

## 245th American Chemical Society National Meeting



New Orleans, LA, April 7-11, 2013

## ACS Division of Nuclear Chemistry & Technology



## Radiochemistry and Risk Assessment of Food and Potable Water Contaminated with Radionuclides

## Symposium Timeline

### August 20, 2012

On-line abstract submission website opens.

Those wishing to submit an abstract must have an ACS ID. See the Abstract Submitter User Guide for details.

[http://portal.acs.org/portal/fileFetch/C/CNBP\\_028518/pdf/CNBP\\_028518.pdf](http://portal.acs.org/portal/fileFetch/C/CNBP_028518/pdf/CNBP_028518.pdf)

Abstracts and suggestions may be also submitted directly to the organizers.

### November 2012

Deadline for abstract submission.

### December 2012

On-line meeting and lodging registration opens.

### January 2013

Abstract acceptance.

## Estimated ACS meeting registration rates

Members	Early	Standard
ACS	\$360	\$435
Student	\$180	\$180

Nonmembers	Early	Standard
Chemical scientist	\$640	\$770
Nonchemical scientist	\$360	\$435
Student	\$360	\$360

## Description

The symposium, entitled *Radiochemistry and Risk Assessment of Food and Potable Water Contaminated with Radionuclides*, will focus on the development of rapid methods for the radiochemical analysis of food and water, the development of better risk-assessment methods associated with the ingestion of radiologically contaminated foods, and the improved response strategies to radiological and nuclear incidents.

## Suggested Topics

- entry of artificial and natural radionuclides into the food chain and water supply
- methods of food decomposition for radiological assessment
- radiochemical separation and leaching of radionuclides from food
- measurement of alpha, beta, gamma radioactivity, as well as mass spectrometry analysis of food and water
- methods of low-level detection of radionuclides with application to food
- computational methods useful in determination of radioactivity in food, such as detection limit calculations, estimation of uncertainties, Monte Carlo calculations of detector efficiencies

- risk assessment associated with consumption of food and water contaminated with radionuclides
- incident response, e.g., contamination of food following the Fukushima disaster
- national and international radiological exercises addressing emergency response for food supplies

## APHL Members

The Association of Public Health Laboratories (APHL) recommends that any APHL members interested in traveling to this meeting apply for a traineeship under APHL's cooperative agreement with the Environmental Protection Agency. Please contact [megan.latshaw@aphl.org](mailto:megan.latshaw@aphl.org) for more details.

## Websites

### American Chemical Society

[www.acs.org](http://www.acs.org)

### ACS Division of Nuclear Chemistry & Technology

[www.cofc.edu/~nuclear](http://www.cofc.edu/~nuclear)

### On-line abstract submission

[www.acs.org](http://www.acs.org)