



CURSO DE POSGRADO

**INDUSTRIAL WATER POLLUTION
CONTROL**

31 de mayo al 04 de junio 2010

Sede de Gobierno de la Universidad
Nacional de Rosario

Maipú 1065 (2000) Rosario Santa Fe
Argentina

Duración: 30 hs

Disertante: Prof. Emérito Dr. Bohumil Volesky

Universidad de Mc Gill Canada

Bohumil Volesky, PhD. Ing
Professor Emeritus
Mc Gill University, Montreal, Canada
Specialist in Promoting Biosorption and its
applications world-wide for an economic procedures
for remediating polluted waters.
<http://biosorption.mcgill.ca/bv/bv.htm>



Contenidos

- WASTEWATER TREATMENT TECHNOLOGY
- Types of primary, secondary and tertiary treatment in-plant pollution prevention
- Primary treatment: Equalization, neutralization
- Solid-liquid separation processes, coagulation and flocculation
- Secondary treatment: Principles of biological treatment processes and their kinetics
- Activated sludge treatment - agitation, aeration, design procedures
- Modifications of aerobic treatment processes, design procedures
- Anaerobic digestion treatment and bio-gas production, design
- Tertiary treatment and sludge handling
- Removal of inorganic nutrients
- Activated carbon adsorption, ion exchange and biosorption
- Membrane processes
- Chlorination and ozonation
- SELECTED CASE STUDIES
- Principles of wastewater treatability studies
- Characterization of industrial effluents
- Examples of treatment systems for selected typical industrial operations:
- ***oil refinery***
- ***chemical mining operations***
- ***food processing***
- ***textile plant***
- ***Pulp paper operations***
- Wastewater treatment alternatives and economy
- Wastewater utilization schemes

IDIOMA INGLÉS

COSTO: \$ 250

Gratuito para los Docentes de la
Universidad Nacional de Rosario.

INSCRIPCIÓN

Sra Mónica Eva Cadahia
Jefa de Cursos de Actualización y
Perfeccionamiento Profesional

cursos@fbioyf.unr.edu.ar

CONTACTO para mayor información

Profesor Titular: Dr. Luis Federico Sala
Investigador Principal IQUIR-CONICET
Director del Doctorado en Ciencias Químicas
FCByF UNR
sala@iquir-conicet.gov.ar