



Tóxicos en el agua y salud

Dr. Antonio Rodríguez Valencia
Experto y Magister
Internacional en Toxicología

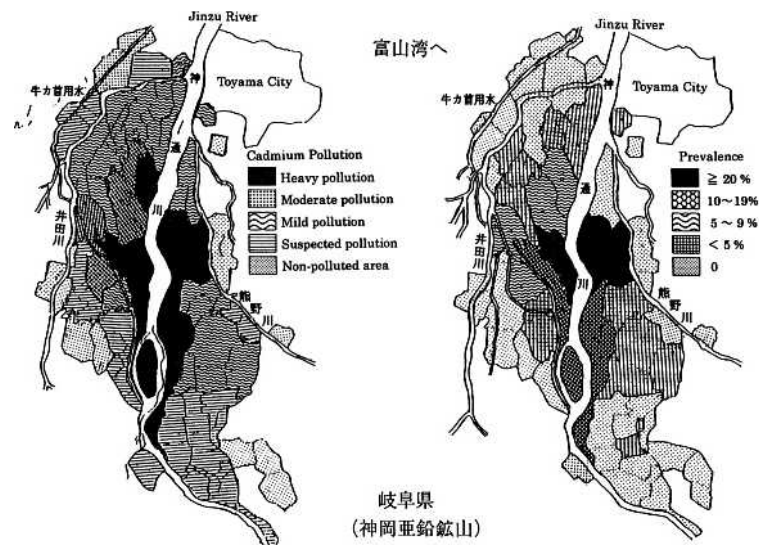


Grandes catástrofes químicas



Enfermedad Itai Itai

- ▶ Cadmio
- ▶ En río Jintzu
- ▶ Provincia de Toyama
- ▶ Enfermedad osteodegenerativa y falla renal



Enfermedad de Minamata

- ▶ Asociada a contaminación por metilmercurio
- ▶ Desecho industrial de la planta Chisso
- ▶ PVC, fertilizantes y plastificante
- ▶ Cloruro de mercurio como catalizador



Orgánico persistentes y disruptores endócrinos

- ▶ Imposex
- ▶ Cultivos de mejillones en Francia
- ▶ Masculinización



Accidente en río Bacanuchi, Sonora

- ▶ Derrame de sulfato de cobre y compuestos químicos
- ▶ Contaminación de mantos freáticos
- ▶ Daños no cuantificados

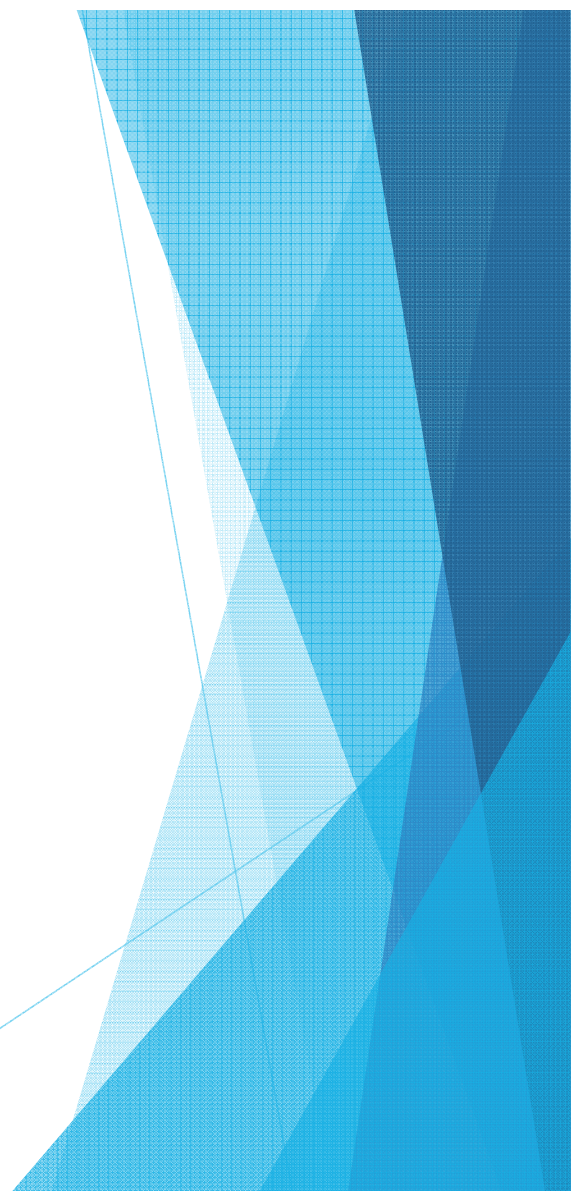




► Calidad

► Peligro

► Riesgo

- 
- ▶ 1.-Factores de riesgo
 - ▶ 2.-Factores de peligrosidad
 - ▶ 3.-Generación de emergencias químicas
 - ▶ 4.-Consecuencias de las emergencias químicas
 - ▶ 5.-Investigación de las emergencias químicas
 - ▶ 6.-Prevención de las emergencias químicas
 - ▶ 7.-Catástrofes químicas (1-2-3-4)

Grandes emergencias químicas

- ▶ Bophal, 1969
- ▶ Carbaril
- ▶ Cloro
- ▶ Fosgeno
- ▶ Isocianato de metilo



- ▶ Seveso, 1978
- ▶ Triclorofenol
- ▶ 23-78-T
- ▶ Anaversa, México 1991
- ▶ Pentaclorofenol
- ▶ Malatión

- ▶ Waco, Texas 2013
- ▶ Explosión de nitrato de amonio
- ▶ Minamata, Irak, Turquía, etc...
- ▶ Metil mercurio y hexacloro benceno









Sociedades

▶ **Desarrolladas**

- ▶ Exportación de riesgos
- ▶ Doble estándar
- ▶ Programas y normativas diferentes para lo interno y lo externo

▶ **En vías de desarrollo**

- ▶ Pobre infraestructura técnica y humana
- ▶ Normativas mal aplicadas
- ▶ Perfiles inadecuados
- ▶ Alta corrupción

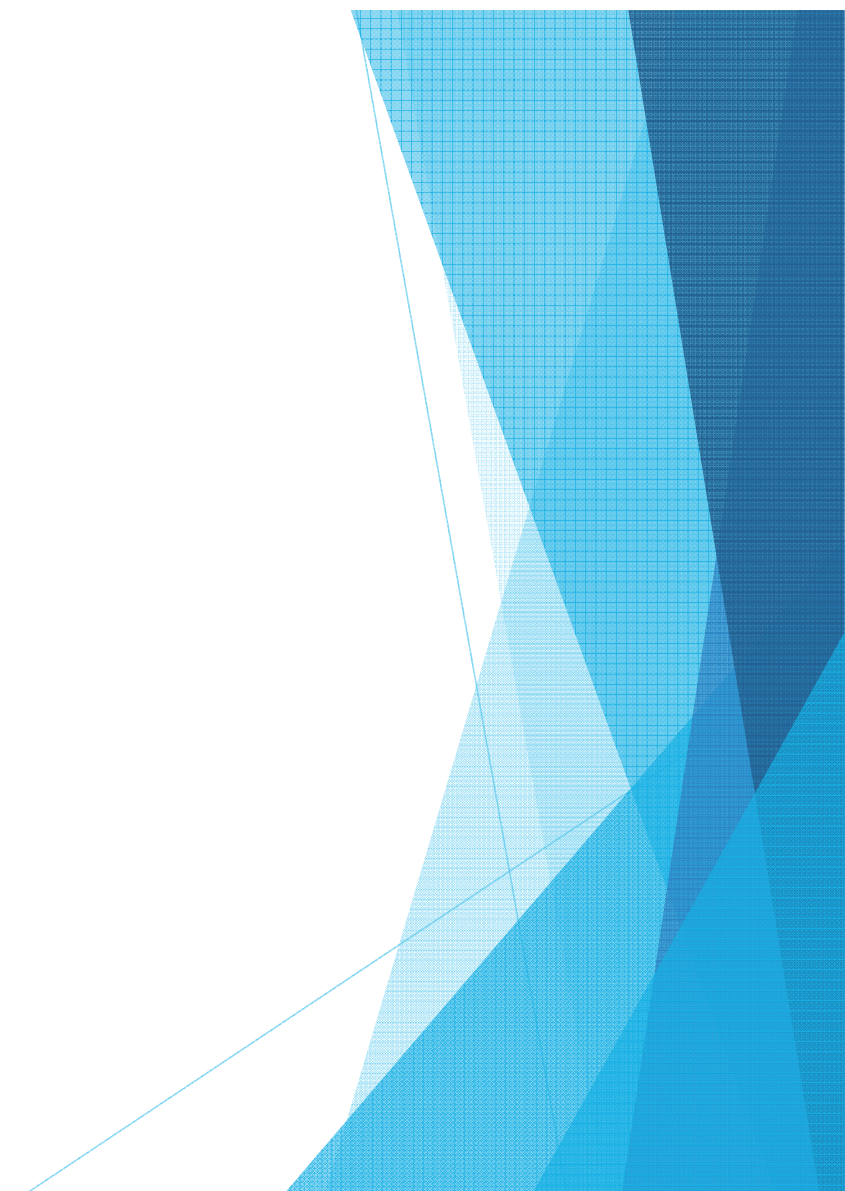
Cuantificación de la exposición en la población


- ▶ Exposición involuntaria
- ▶ Laboral
- ▶ Obligada



Institución reguladora

- ▶ Profesionalización
- ▶ Perfiles adecuados
- ▶ Licencia para...
- ▶ Capacidad de...
- ▶ Criterio
- ▶ Buenas prácticas profesionales
- ▶ Control de calidad
- ▶ Minimizar el riesgo



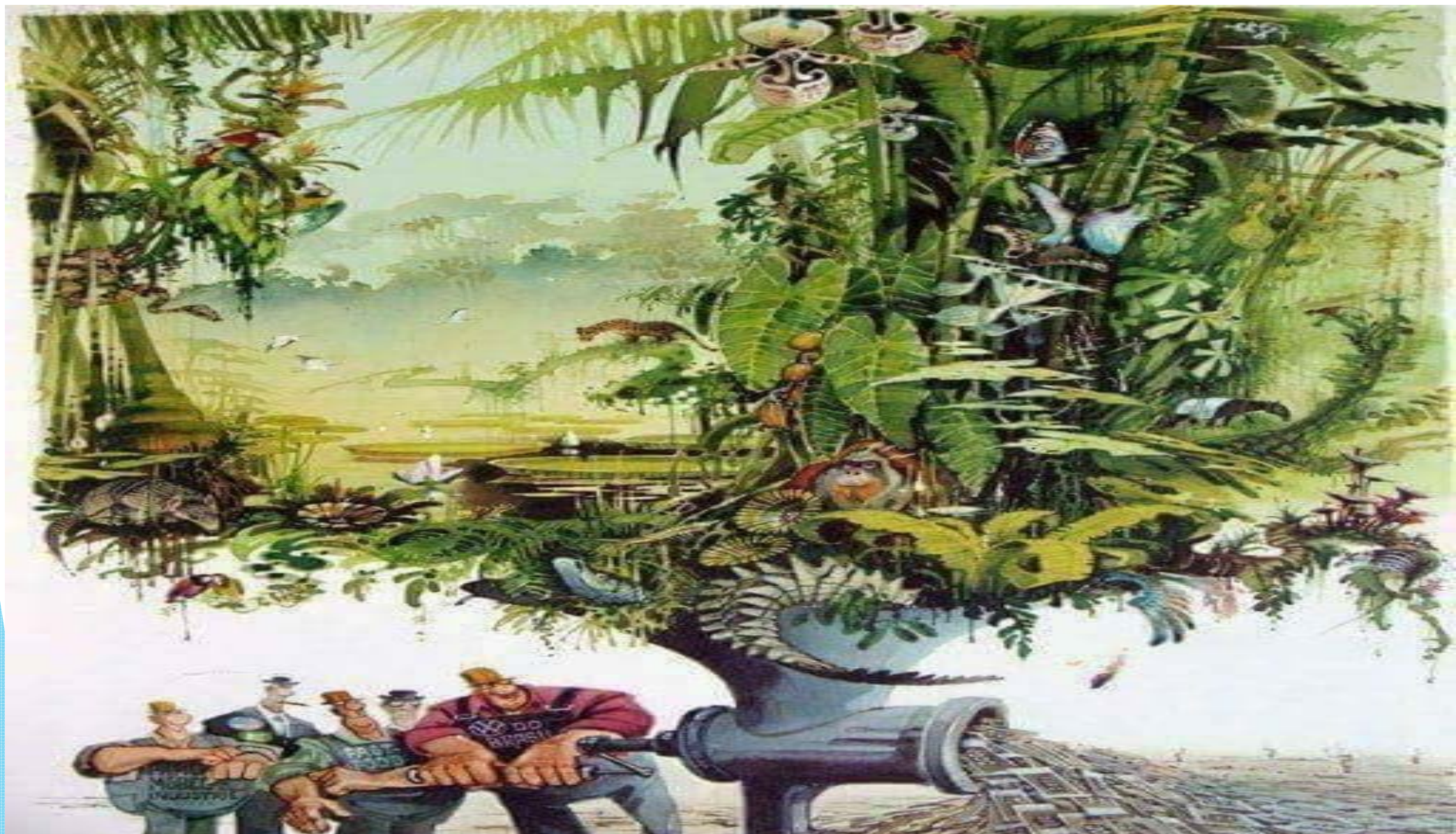
- 
- ▶ Toxicología reguladora
 - ▶ Toxicólogos con los perfiles adecuados
 - ▶ Aplicar la normatividad requerida
 - ▶ Agrónomos capacitados, con conocimientos en Toxicología.
 - ▶ Expendedores capacitados y certificados
 - ▶ Instituciones reguladoras con profesionales con los perfiles adecuados

- ▶ IDA: Ingesta Diaria Alimentaria.
- ▶ NOEL: Nivel de dosis sin efecto.
- ▶ MRL: Máximo nivel de residuos aceptables para el cuerpo humano.
- ▶ IDT: Ingesta Diaria Tolerable (Alimentos, agua, aire y de por vida).

Conclusiones

- ▶ Excesos de estructuras oficiales
- ▶ Exceso de medidas regulatorias
- ▶ Choques entre las dependencias

▶ **Inadecuados perfiles**



World Summit on Toxicology

Theme: New Perceptions and Importance in the Field of Toxicology

Scientific Federation is delighted to welcome you to World Summit on Toxicology which will be held on June 11-12, 2018 at Rome, Italy.

[Meeting Agenda](#)
[Conference Brochure](#)
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EVENT STARTS IN

97

DAYS

07

HOURS

24

MINUTES

02

SECONDS

Chair of Toxicology-2018



Prof. Aurelio Leone
Independent Researcher-Ex University of Pisa
Italy

[View Biography](#)

Welcome Message by Chair Person Prof. Aurelio Leone

For 2018, the Toxicology 2018 support efforts to bring you one of the most important medical meetings on this subject in the world. This conference will include oral and poster presentations selected from abstracts submitted by clinical and basic researchers, followed by discussions led by leading authorities.

With experts in the fields of toxicology and medical research and its relationship to body organ disease involving different substrates, attendees will have the opportunity to connect with cross- disciplinary researchers and clinicians from around the world.

Co-Chair of Toxicology-2018



Antonio Rodríguez Valencia
Michoacán University of San Nicolás de Hidalgo
Mexico

[View Biography](#)

Welcome message by co-chair Dr. Antonio Rodríguez

for the 2018 Toxicology Summit in Rome, Italy.

Humanity wonders daily why new diseases appear, why the increase of existing ones, and the reason for the environmental deterioration that humans have taken to the planet.

As toxicologists and as scientists aware of this popular questioning, we are obliged to study the mechanisms that originate the presentation of the phenomena mentioned, and propose alternative solutions to the complex problems we face.

The meeting will be held in one of the most fascinating cities of the world: Rome, Italy and that permits a full cultural immersion to knowing about history, past and present of human habit. This meeting includes several interactive sessions specifically designed to benefit trainees and early career investigators, including a trainee poster session to highlight innovative research and how-to sessions that provide in-depth information about a range of topics related to toxicology.

My primary purpose is to invite the largest number of distinguishing participants, primarily experts in toxicology, to discuss the current opinions and achievement in this very interesting field.

Regards,

Chair Person

Prof. Aurelio Leone

Independent Researcher-Ex University of Pisa, Italy

Toxicology 2018 will be the perfect scenario which will provide the opportunity for toxicologists and scientists related to the different fields of toxicology to listen, be heard, learn and share experiences and propose projects that help mitigate the current problem.

In the ideal world that we all want, science must unite scietitists.

Scientists must unite the world.

Come to Rome 2018 let's join the world, let's make a better world for all.

Regards,

Co-Chair Person

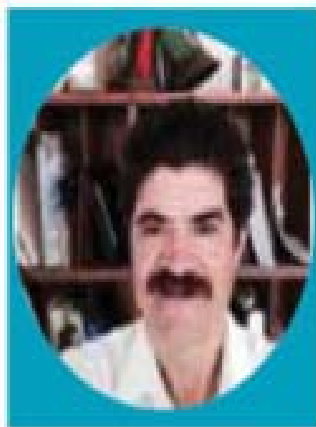
Dr. Antonio Rodríguez Valencia

Expert and International Master in Toxicology. Advisor and consultant. Private practice

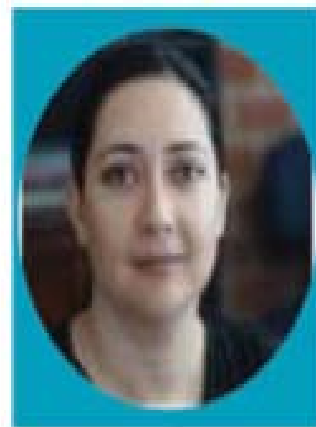
Workshop on
"PESTICIDES: PROBLEMS& ALTERNATIVES SOLUTIONS
Advances in monitoring, research and alternatives to ban toxic agrochemicals"?



Antonio Rodriguez Valencia
Michoacan University of San
Nicolas de Hidalgo
Mexico



Juan Carlos Cortes Garcia
Michoacan University of San
Nicolas de Hidalgo
Mexico



Ana Elisa Martinez del Rio
University of La Cienega
of the State of Michoacan
Sahuayo, Mexico



Alejandra Castro-Carranza
University of Bremen,
Germany

► <http://www.scientificfederation.com/toxicology-2018/>



16th Annual Meeting on Environmental Toxicology

August 13-14, 2018 London, UK

Theme: Evincing and Repairing the Imbalanced Tox-Eco System

Organizing Committee

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OCM for Global ENVITOX Series Conferences Organizing Committee



Dr Edwin Routledge

Reader in Aquatic Ecotoxicology
Brunel University London
United Kingdom

Biography

Research Interest



Grazyna Biala

Professor
Medical University of Lublin
Poland

Biography

Research Interest



Marija Stanković

Scientific Associate
IMGGE, University of Belgrade, Serbia
Serbia

Biography

Research Interest



CHUXIA LIN

Chair in Environmental
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Biography

Research Interest



Manuela Marcoli

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Research Interest



Antonio Rodríguez Valencia

Advisor and Consultant in the
State Council of Ecology
Michoacán University of San Nicolás de Hidalgo and
La Ciénega University
Mexico

Biography

Research Interest



Elena González Burgos

Assistant Professor
University Complutense of
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Spain

Biography

Research Interest

URL:

<https://environmentaltoxichology.conferences.com/>

Send Your Message



Muchas gracias por su atención