

**Website:**

[www.pesticideschool.unimi.it](http://www.pesticideschool.unimi.it)

**How to reach us:**

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Università degli Studi di Milano  
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From the station (Centrale FS):  
Metro line 2 (green), direction Gobba (stop at Piola)

From the city center:  
-tram lines 23 or 11 (stop at Piazza L. da Vinci)  
-bus lines 90/91 (stop at Viale Romagna crossing Via Pascoli)  
-bus line 61 (stop at the 2<sup>nd</sup> stop of Via Botticelli)

By car from outside Milano  
-From Tangenziale Est (exit Rubattino or Forlanini)

**Organising committee:**

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Milano, January 27<sup>th</sup>-28<sup>th</sup> 2014

# IX Workshop

**Doctorate in Chemistry,  
Biochemistry and Ecology of  
Plant Protection Products and  
Xenobiotics**

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Aula Magna C03 (Room C03)  
Facoltà di Scienze Agrarie e Alimentari  
Università degli Studi di Milano

# IX Workshop

## Doctorate in Chemistry, Biochemistry and Ecology of Plant Protection Products and Xenobiotics

The PhD Course in Chemistry, Biochemistry and Ecology of Plant Protection Products and Xenobiotics (formerly: Chemistry, Biochemistry and Ecology of Pesticides) that takes place at the Università degli Studi di Milano and is conducted in consortium with the Faculty of Agriculture of the Università Cattolica di Piacenza, has already reached 25 years of activity. It has now become part of the PhD School of Molecular Sciences and Plant, Food and Environmental Biotechnology applied to the food and the environmental research.

The PhD Course is characterized by high interdisciplinarity, since a high level activity in this area requires integrated competences, that cover a wide range of knowledge, from chemistry to biology, to agronomy.

In these years the PhD Course has trained a significant number of students, also through experiences abroad, who have thereafter continued their activity in industries of this area, in inspective and programming institutions, and in the university or other research centers.

Also this year, the Board of Teachers has decided to admit a wider audience to the final exam, transforming the discussion of the theses and the annual meeting in which the PhD students present their activity in an open workshop, in which experts in the field from institutions or companies operating in this area can participate.

The workshop will be opened by scientific lectures presented by international experts in the field, followed by the discussion of the PhD theses of the students.

## Monday, January 27<sup>th</sup> (final exam)

**8:45** – Welcome (Daniele Daffonchio, Luciano Piergiovanni)

Plenary lecture

**9:00** – RAMÓN ERITJA CASADELLÀ (Barcelona, Spain)  
"DNA bidimensional architectures, the role of nucleic acids chemistry in the game"

Final PhD talk

**10:00** – SANTOSH VITTHAL LAHORE  
"Synthetic Studies Towards Bioactive Fungal Metabolites"

**11:00** – Coffee break

Plenary lecture

**11:30** – KATJA STERFLINGER (Vienna, Austria)  
"Microbes, art and conservation, a winning game?"

Final PhD talk

**12:30** – FEDERICA TROIANO  
"The two sides of microorganisms in cultural heritage conservation"

**13:30** – Buffet Lunch

Plenary lecture

**14:30** – PHILIPPE NORMAND (Lyon, France)  
"Genomics of symbiosis, the role of host defense peptides"

Final PhD talk

**15:30** – SONIA CICCIAZZO  
"Dynamic of bacterial community colonization in high-altitude mountain environments"

**16:30** – Coffee break

Plenary lecture

**17:00** – GEORGE TSIAMIS (Agrinio, Greece)  
"Metagenomics: exploring hidden microbial diversity and genome evolution"

Final PhD talk

**18:00** – LUIGI SANSONNO  
"Symbionts today, probiotics tomorrow: microbe-based strategy for improving honey bee health"

**19:00** – Jury Board Session (components: Prof. Daniele Daffonchio, Prof. Katja Sterflinger, Dr. George Tsiamis, Dr. Ramón Eritja Casadellà, Dr. Philippe Normand)

**19:30** – End of first workshop day

## Tuesday, January 28<sup>th</sup>

PhD talks (28<sup>th</sup> cycle)

**9.00** – XIAOYULONG CHEN

"Transformation of streptomycetes with EGFP to study biocontrol of soil borne plant fungal pathogens."

**9.15** – ATUL ARUN DHAVAN

"Approach to the Synthesis of the antifungal natural compound Leopolic Acid A"

**9.30** – MOHAMED KAMEL

"Ethiology of Crown rot in organic bananas and evaluation of disease management strategies"

**9.45** – DAVIDE LAVAZZA

"Enrichment of a dehalogenating microbial community from groundwater"

**10.00** – S. A. I. SANTIAGU MODUTHAGUM

"Interactions between microbes and host of agricultural interest"

PhD talks (27<sup>th</sup> cycle)

**10:15** – MARIA BONALDI

"Streptomycetes as Biological Control Agents against Basal Drop"

**10:30** – Break

**11.00** – PAOLA CAMPPIA

"Fungicide resistance in *Botrytis cinerea*: monitoring and characterization"

**11:15** – ALBERTO MARIA CATTANEO

"TRP Channels in the Codling Moth *Cydia pomonella*"

**11:30** – CRISTINA CATTO'

"Antibiofilm activity of selected natural compounds"

**11:45** – EMANUELA LOMBARDI

"The bioremediation agent *Desulfovibrio vulgaris*: set up of methods for estimating cell growth and for cell application to stone materials"

**12:00** – VIOLETTA VACCHINI

"Ecology and interaction of microbial symbionts in *Drosophila suzukii*"

**12:15** – End of workshop

**12.20** – Council of the Doctorate in "Chemistry Biochemistry and Ecology of Plant Protection Products and Xenobiotics"