



# Gianguido Ramis

Associate professor

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## *Education and training*

1991

### **PhD in Industrial Chemistry**

Characterization of catalysts for the Selective Catalytic Reduction of NO<sub>x</sub> with NH<sub>3</sub> and study of the reaction mechanism

Politecnico of Milan

### **Master Degree in Industrial Chemistry**

110/110 cum laude

University of Genoa

## *Academic experience*

2001 - ONGOING

### **Associate professor**

University of Genoa

1995 - 2001

### **Assistant professor**

University of Genoa

## *Language skills*

### **Italian**

Mother tongue

### **English**

Independent

### **French**

Basic

### **Spanish**

Basic

## *Research interests*

Research interests are mainly focused on heterogeneous catalytic processes, on the characterization of surface active sites and on the identification of reaction mechanisms mostly through FT-IR spectroscopy. Some of the topics studied are: SCR of NO<sub>x</sub> with NH<sub>3</sub>; catalytic oxidation; catalytic combustion of hydrocarbons and VOCs; C-H bonds activation; H<sub>2</sub> production by steam reforming of bioalcohols; CO<sub>2</sub> photoreduction; photocatalytic H<sub>2</sub> production.