



## PERSONAL INFORMATION

## Elena Maria Collina

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| **Date of birth** 23rd September 1966 | **Nationality** Italian

## WORK EXPERIENCE

From 2019  
From 2000

**Associate professor  
Researcher**

University of Milano - Bicocca

Research activity in the field of environmental physical chemistry: prevention and attenuation of the environmental impacts of products, materials and processes; energy and matter recovery from waste; formation and destruction of organic micropollutants in thermal processes; assessment and remediation of industrially contaminated soil; loads and removal of specific pollutants in wastewater; sustainable development and life cycle assessment.

**Type of business or sector** Research

1999

**Researcher**

Consiglio Nazionale delle Ricerche (National Research Council)

Study of transport and fate of organic compounds in contaminated soils

**Type of business or sector** Research

From 1997 to 1998

**Researcher**

Università degli Studi Milano

Study of formation and destruction mechanisms of chlorinated organic micropollutants

**Type of business or sector** Research

From 1995 to 1996

**Researcher**

Fondazione Lombardia per l'Ambiente

Study of the environmental impact of municipal solid waste combustion processes

**Type of business or sector** Research

## ACADEMIC SERVICES

Didactics

**Courses taught:**

Waste, Wastewater and contaminated sites management (MSc Sciences and Technologies for Environment and Landscape)

**Lab assistance:**

Integrative Laboratory II and Environmental Chemical Analyses (BSc Environmental Sciences and Technologies)

Academic services

**Member of:**

Chemical, Geological and Environmental Sciences PhD Board at Milano – Bicocca University

Commission for Student Guidance of the Environmental Sciences courses

Commission for Student Guidance of Milano-Bicocca University

Commission for International Programs of the Department of Earth and Environmental Sciences

BASE Bicocca Environment Society Economy

Reviewer services

**Journals:**

Environmental Science & Technology, Journal of Environmental Management, Environmental Science and Pollution Research, Bioresource Technology, Science of the Total Environment, International Journal of Environmental Analytical Chemistry, Chemosphere, Journal of Hazardous Materials, Waste Management, Applied Surface Science, Journal of Cleaner Production

**EDUCATION AND TRAINING**

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From 1991 to 1994 **PhD in Chemical Sciences**

Università degli Studi di Milano

Thesis: Sviluppo di metodologie chimico-fisiche per la riduzione delle emissioni di policlorodibenzodiossine e policlorodibenzofurani dagli impianti di trattamento e smaltimento di rifiuti (Development of physico-chemical methods for the reduction of emissions of polychlorinated dibenzodioxins and polychlorinated dibenzofurans in waste disposal and treatment plants)

From 1985 to 1991 **Degree in Chemistry**

Università degli Studi Milano

**PERSONALI SKILLS AND COMPETENCES**

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Mother tongue Italian

Other languages German bilingual  
English excellent

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**Social skills and competences**

Teamwork (acquired working in a research group)  
Adapted to live and work in a multicultural environment (acquired studying at a German school in Milan and spending the first year of PhD in Germany)  
Good communication skills (acquired as a university lecturer and presenting my research at national and international congresses and workshops)

**Organizational skills and competences**

Coordination of people in multidisciplinary research projects  
Administration and report of funding for research projects  
Human resources management (undergraduate, graduate and PhD students)

**Technical skills and competences**

Computer skills (MS Office, Statistica, database research)  
Knowledge of analytical techniques for organic compounds as GC-MSD, GC-FID, HPLC, TOC, UV-VIS