



PERSONAL INFORMATION

Elena Maria Collina

 Department of Earth and Environmental Sciences
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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)

LCA and Sustainability Indicators (MSc Sciences and Technologies for Environment and Landscape)

Tools and Methods for Sustainability (BSc Environmental Sciences and Technologies)

Chemical Foundations of Sustainability (MSc Chemical 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 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

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

Thesis: Identificazione di descrittori molecolari per il calcolo di parametri chimico-fisici con metodi chemiometrici (Identification of molecular descriptors for the calculation of physico-chemical parameters with chemometric methods)

PERSONAL SKILLS AND COMPETENCES

Mother tongue

Italian

Other languages

German bilingual

English excellent

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