

## Europass Curriculum Vitae



### Personal information

**First name(s) / Surname(s)** **Pierluigi Giacomello**

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**E-mail** Pierluigi.giacomello@uniroma1.it

**Nationality** italian

**Date of birth** November 20<sup>th</sup>, 1947

**Gender** male

**Occupational field** (S s/d) Chemistry, educational and research

### Work experience

1983-	Full Professor of Chemistry at Sapienza University of Rome, Faculty of Pharmacy and Medicine.
1980-1982	Full Professor of Chemistry at Camerino University, Faculty of Sciences
1974-1980	Lecturer of General and Inorganic Chemistry at Sapienza University of Rome, Faculty of Pharmacy
1973-1975	Lecturer of Chemistry at Bologna University, Faculty of Agriculture
1973-1980	Assistant professor at Sapienza University of Rome, Faculty of Pharmacy
1977-1979	Visiting scientist at Brookhaven National Laboratories, Long Island, New York USA and at Kernforschungs Anlage, Jülich, Germany

**Occupation or position held** Currently: Full professor of General and Inorganic Chemistry

**Main activities and responsibilities** teaching, research, consultancy on environmental issues

**Name and address of employer** University of Rome La Sapienza, Faculty of Pharmacy, Medicine

**Sector** Chemistry (CHIM03)

### Education and training

07/25/1970 Degree in Chemistry (110/110 cum laude) from Sapienza, University of Rome  
1965 High school diploma (classical studies), Liceo Torquato Tasso, Rome.

### Personal skills and competences

Main research interests are: intermolecular forces, structural chemistry, structure-reactivity relationships, reaction mechanisms in the gas phase and in solution, nuclear decay and radiation chemistry, ion-molecule reactions, fluorine chemistry, mass spectrometry and chemical kinetics. During the last 15 years he developed as well some skills in environmental chemistry within joint research programmes between the Department and big oil/energy industries concerning in particular: Chemical processes in the troposphere, air and water pollution, pollutants abatement in plant emissions; air, soil and water pollutants monitoring methods, remediation processes and waste treatment. He also contributed, as a member of the Ministry of the environment commission, to the drafting of D.lgs. 152/2006 (environmental law).

**Mother tongue(s)** **Italian**

Other language(s) **English, French**

Self-assessment

European level (\*)

**English**

**French**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C2
C1	C2	B2	B2	C1

(\*) [Common European Framework of Reference for Languages](#)

### Additional information

Scientific Publication

References

Pepi, Federico; Tata, Alessandra; Garzoli, Stefania; Giacomello, Pierluigi; Ragno, Rino; Patsilinakos, Alexandros; Di Fusco, Massimo; D'Annibale, Andrea; Cannistraro, Salvatore; Baldacchini, Chiara; Favero, Gabriele; Frasconi, Marco; Mazzei, Franco.  
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Pepi, Federico; Garzoli, Stefania; Tata, Alessandra; Giacomello, Pierluigi.  
Low-energy collisionally activated dissociation of pentose-borate complexes. International Journal of Mass Spectrometry (2010), 289(2-3), 76-83.

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Bruno, M.; Castellino, N.; Delogu, A.; Cottica, D.; Giacomello, P.; Giacometti, D.; Gregio, M.; La Bua, R.; Manzo, L.; Masci, O.; Minoia, C.; Orru, G.  
Occupational exposure to VOCs from the evaporation of gasoline: an assessment of the problem for service station attendants in Italy.  
Advances in Occupational Medicine & Rehabilitation (1997), 3(3, Volatile Organic Compounds in the Environment: Risk Assessment and Neurotoxicity), 17-25.

Giacomello, Pierluigi; Pepi, Federico.  
Reactivity and selectivity of the methoxycarbonyl cation in gas-phase electrophilic aromatic substitution.  
Journal of Physical Chemistry (1993), 97(17), 4421-6.

Giacomello, Pierluigi; Angelini, Giancarlo; Sparapani, Cinzia; Speranza, Maurizio. Aromatic substitution by free benzyl cations from the nuclear decay of multi-tritiated toluene. Competitive benzylation of benzene and toluene in the gas phase and in solution.  
Journal of Physical Organic Chemistry (1989), 2(6), 467-75.

De Petris, Giulia; Giacomello, Pierluigi; Pizzabiocca, Adriano; Renzi, Gabriele; Speranza, Maurizio.  
Stereochemical effects in the gas-phase pinacol rearrangement. 2. Ring contraction versus methyl migration in cis- and trans-1,2-dimethylcyclohexane-1,2-diol.  
Journal of the American Chemical Society (1988), 110(4), 1098-103.

Giacomello, Pierluigi.  
Liquid-phase reactions of free methyl cations from the decay of methane-t4. Alternative alkylation sites in halobenzenes.  
Journal of the American Chemical Society (1979), 101(15), 4276-81.