CURRICULUM VITAE

Researcher at the University of Bologna since 1990, performing research in the field of the high resolution molecular spectroscopy. Research interests lie particularly in the infrared spectroscopy of molecule in the gas phase. The spectra are recorded using interferometric spectrometer at high resolution. The spectral analysis results in the characterization of the fundamental or excited vibration states of the molecule under study. Research works currently focusing on the topic of the spectroscopic characterization of molecules present in many different objects in Space or in the terrestrial atmosphere.

Education

Degree cum laude in Industrial Chemistry, 1987, from the Faculty of Industrial Chemistry of the University of Bologna. From October 1987 to March 1990 employed by HIMONT, recording and analyzing the NMR spectra of polymers in solution.

Academic career

Researcher at the University of Bologna from April 1990 in the subject area CHIM/02 Physical Chemistry, working in the Department of Physical and Inorganic Chemistry. Since 2013, researcher at the University of Bologna in the Department of Industrial Chemistry “Toso Montanari”.

Teaching activities

Since 1996, continuous teaching activities holding various course units in 1st and 2nd cycle degree programs at the Agraria Faculty and at the Industrial Chemistry Faculty of the University of Bologna. Currently Professor of Physical Chemistry I for the 1st cycle degree program in Industrial Chemistry at the University of Bologna.

Scientific activities

Participation in numerous national and international research programs including: PRIN 1997, PRIN 1999, PRIN 2001, PRIN 2003, PRIN 2005, PRIN 2007, PRIN 2009, PRIN 2012.

Institutional activities and academic appointments

From 2012 to 2018 Member of the Scuola di Scienze, University of Bologna.

Member of the Commissione Paritetica of the Scuola di Scienze, University of Bologna in the three-year period 2015-2018.

From 2010 coordinator of the didactics committee in the subject area of physical chemistry in the Department of Industrial Chemistry “Toso Montanari”.