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Doctor degree in Industrial Chemistry at the University of Milan, Italy

Post-Doc at the Department of Chemistry, University College, London with Prof. Sir R.S. Nyholm in 1968-70.

Full Professor of Inorganic Chemistry at the University of Bari since 1985.

Honorary Professor of the Faculty of Chemical Engineering, Tianjin University, Tianjin-China (2004).

Visiting Scientist at the: Institut de Recherches sur la Catalyse, CNRS, with Dr. I. Tkatchenko in 1982; Northwestern University with Prof. J. Ibers in 1984. **Visiting Professor** at the Université de Rennes I with Prof. P. Dixneuf in 1985 and 1989, Ecole de Doctorat d'Etat at the University of Bordeaux in 1995 and 2000, Ekaterinburg University, 1998 and 2001, Hungarian Academy of Sciences in 1995, Sao Carlos University-Brasil in 2000, 2002, 2004, Dijon University in 2003-5.

Invited Speaker at the International Conferences on Carbon Dioxide (Nagoya 1991, Amsterdam 1992, Oxford 1993, Kyoto 1994, Norman 1995, Boston 1996, Kyoto 1997, Karlsruhe 1999, Cairns 2000, Breckenridge 2001, Seoul 2003, Oslo 2005) and at several other major Conferences as ACS, GHGT, ISHHC, others.

Director of two NATO Schools "Carbon dioxide as a source of carbon: chemical and biochemical uses", 1986 "Enzymatic and model carboxylation and reduction reactions for carbon dioxide utilization", 1989. **Director** of the TEMPUS School on "New Methodologies for Environmental Management", 1997.

Founder and Chairman of the "International Conference on Carbon Dioxide Utilization", ICCDU

Award of the Italian Chemical Society for his work on "Carbon Dioxide Activation" (1990). "**Renoir Prize**" for the diffusion of knowledge (1989). **Award** from the Rector of the University of Krakow, Wroclaw, Poznan, Opole for the cooperation in university curricula innovation and environmental research development (1998). **Honorary Professor** of the University of Tianjin, 2004. **Award** of the Société Française de Chimie, 2005-06.

Areas of scientific interest: Carbon dioxide utilisation in synthetic chemistry. Catalysis, Coordination and Metallorganic chemistry. Chemistry of small molecules (H₂, CO, N₂, CO₂, CH₄, C₂H₄, etc.) Chemistry of metal centres in low oxidation state as catalysts in organic synthesis. Greenhouse gas emission in combustion processes, Energy saving. Renewable energy sources. Site remediation. Biomass utilization.

Author of over 200 papers appeared in international Journals, of fifty invited papers presented at international conferences, and of several Reviews on CO₂ Utilisation. **Author** of Chapters in Specialistic Books on CO₂-utilization..

Author of textbooks, 1991. **Editor** of four books on the topics: "Carbon dioxide as a source of carbon": Reidel 1987, "Enzymatic and model carboxylation and reduction reactions for carbon dioxide utilization", Kluwer 1990; "Greenhouse Gases Utilization", Oxford Press, 2003; "Carbon dioxide recovery and Utilization", Kluwer, 2003.

Other informations

Former **Director** of the Department of Chemistry of the University of Bari, 1986-90. **Dean** of the Environmental Sciences Faculty at the same University (1990-2000). **President** of the "Committee for Education and Research" of the University of Bari, 1990-2000 Member of the Administration Council of the University of Bari, 1993-1999 Member of the National Committee for Natural and Industrial Risks-Chemical Risks. Rector-Delegate for European Programmes at the University of Bari 1990-1998.

Member of the Steering Committee of the "International Conference on Solar Photoconversion Processes for Recycling Carbon Dioxide from the Atmosphere", Colorado Spring 1990. "International Conference on Carbon Dioxide Removal", Amsterdam 1991 "2nd International Conference on Carbon Dioxide Removal", Kyoto 1994 and "Greenhouse Gases Technologies" since 1998, and many others.

Organiser of Symposia within several ACS Meetings.

Delegate for Italy within the TEMPUS Programme Committee, UE-Bruxelles, and the Executive Committee of the Greenhouse Gases Research and Development Programme - IEA (Paris) since 1990

Expert of the UE Commission for Programme and Project evaluation. **Coordinator** of several EU Projects. **Member** of the ACS, RSC, SCI.