

Curriculum Vitae

Cognome: Pagano

Nome: Michele

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Dr. Michele Pagano got the Master degree in Industrial Chemistry in 1978, at the faculty of Industrial Chemistry in Bologna (vote 110/110 and praise). After the master degree, he was hired for one year (1980) as assistant by the chemical laboratory of the Experimental Zooprofilactic Institute of Puglia and Basilicata in Foggia where he worked in the chemical analysis on zootechnical products. After a few years of teaching in the high schools and a period of analytical experience in the chemical laboratories of Seawater Biology in Bari and Hygiene and Prophylaxis in Foggia, in 1984, he was hired as a Researcher by the Experimental Department of Chemistry and Technology on Water in Bari (IRSA-CNR) where he worked on the precipitation process named "MEXICO" (Metals Extraction by Xanthate Insolubilization and Chemical Oxidation) for removal and recovery of heavy metals from wastewaters. After, he worked at chrome recovery from waste sludges of tannery industry by acid extraction, oxidation by hydrogen peroxide and final recovery of the chrome as basic sulphate.

Next, he worked on lead removal from battery industry wastewaters, by precipitation process (with carbonate), coprecipitation (with iron salts) and ionic exchange (with zeolite and synthetic resins).

For two years (1999-2000), he made research on a project financed by MURST concerning the use of xantates in the "Treatment of industrial wastes, with recovery and recycle of the same metals" (National Program of Environment Research, PNRA).

In 2001, he worked to the treatment of leachates from Municipal solid wastes by Fenton process and recovery of the ammonium nitrogen as fertilizer.

In the years 2002-2004 he worked on the removal of the nonionic surfactants from urban wastewater by advanced oxidation processes (AOP) related a research project commissioned to IRSA (CNR) by Integrated Services Lambro s.p.a. of Merone (CO).

In the period 2004-2007 he collaborated to the project "Acquatec" on the removal of organic-chlorinated pollutants from groundwater in Brindisi by granular activated carbon

and Fenton-like processes. Currently, he is working on research regarding catalytic oxidation of organic pollutants by activated carbon and hydrogen peroxide.