

LABORATORY: CNR-NANOTEC

NAME OF THE INSTRUMENT

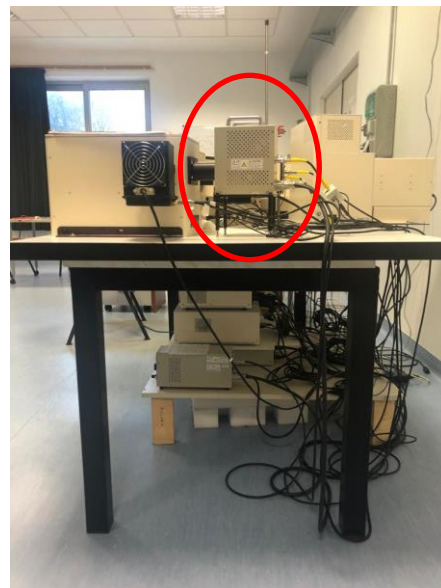
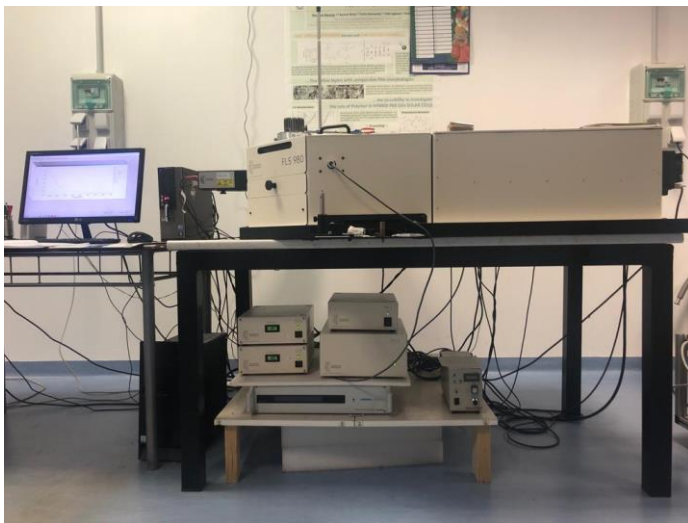
NIR detection spectrofluorimeter

GENERAL DESCRIPTION:

NIR Steady-state luminescence and time-resolved

TECHNICAL DESCRIPTION:

Detection of luminescence and of corresponding lifetime decays for liquid samples (in 3.5 ml cuvette) and solid samples on support (2.5x 2.5 cm) in the infrared region up to 1,700 nm through a double monochromator. Continuous sources (Xe Lamp 450 W) and pulsed sources (Laser Diode 405-515-635 nm with time scales from nanosecond to second) for excitation. The instrumentation measures liquid and solid samples with the specifications indicated above. The time for each measurement is approximately 2 minutes (variable depending on the conditions chosen).



Spectrofluorimeter equipped with NIR-PMT (red circle)

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