

Rocco Carcione (RC) achieved the PhD in Chemical Sciences at the University of Tor Vergata (Rome, Italy) with external scholarship funded by the FBK center (Trento, Italy). The PhD project was focused on the synthesis and characterization of doped-diamond films for opto-electronic and biomedical applications. After the PhD, RC was fellow-ship research at ENEA (Frascati, Rome), focused on the combination of the laser technology and the quantum dots' (QDs) optical properties for the micro-LED (mLED) and micro-OLED (mOLED) array manufacturing. In December 2021 RC joined the CNR-IMEM laboratory (Parma, IT) as a postdoctoral fellow for activities dedicated to the synthesis and characterization of conductive polymers on 3D-printed scaffold for the assembling of organic memristive devices (OMD). Since September 2023, RC is serving as Researcher at Calliope Gamma Irradiation Facility at ENEA Nuclear Department (Casaccia, Rome). His research activity is focused on gamma irradiation processes and characterization of materials through the coupling of a variety of spectroscopic techniques.