

My name is Tania Pomili, I received my degree in Pharmaceutical Chemistry and Technology in 2019 and I started in the same year the PhD in Chemistry and Material Science and Technology at the Italian Institute of Technology in Genova. My field of research is focused on the development of point-of-care devices for the home testing of relevant analytes in non-invasive fluids exploiting the plasmonic properties of nanoparticles. I published a paper in 2020 regarding a colorimetric strategy for spotting hyperglycemia using gold nanoparticles, a second one in 2021 for the multiplexed analyses of three salivary biomarkers, and a review in 2021 on nanosensors for visual detection of glucose in biofluids. My research activity is nowadays focused on the detection of anticancer drugs contamination on surfaces and urine through lateral flow devices.