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Ioanna Tremi, MSc is a PhD candidate at the School of Applied Mathematical and Physical Sciences of NTUA. She holds a BSc in Mathematics and an MSc in Nanosystems and Nanodevices. She is an experienced researcher in Radiation and Cancer Biology, Transmission Electron Microscopy (TEM) as well as in bio-Nanotechnology. She has also worked in the field of Computational Biology/Chemistry by performing Molecular Dynamics (MD) simulations in biological membranes, with published results. Currently, she is working on DNA damage detection and biological responses after irradiation and under the presence of gold nanoparticles.