Katerina Pissaridi was born in Athens. She holds the diploma of Chemical Engineer from National Technical University of Athens (NTUA). She obtained her PhD degree in 2012 from the Chemical Engineering School of NTUA. Her PhD thesis is on the field of biomaterials and Biospectroscopy. During her PhD thesis she was receiving a scholarship from the Special Account for Research Grants (ELKE) of NTUA. From May 2012-up she is researcher at the Laboratory of Radiation Chemistry & Biospectroscopy, NTUA. She has published 10 scientific papers in International Journals and Books and she presented her work in many National conferences. Three of her presentations were chosen as best papers and were awarded distinctions.

Her research interests are focused on biomaterials, in particular on the mechanism of atherosclerosis of the cardiovascular system. In addition, she is also interested in the calcification of aortic and mitral valves. These steps involve free radical chemistry, inflammation and ageing processes, as well as, environmental factors during the development of the disease. Her interests also include pre-diagnosis of cancer and anti-cancer drugs. Furthermore, she has studied new natural materials for orthopaedic and dentistry and stent implants or replacement of bones. Finally she has been involved in the determination of several strains of bacteria in mouth cavities using FT-IR spectroscopy, a much faster method than the PCR. The physical chemistry methods of measurement that she is using in her research activity are FT-IR spectroscopy, SEM and XRD.

She is member of the Hellenic Technical Engineering Society (TEE) and of the Hellenic Society of Biomaterials.