Manana Loladze graduated from the Faculty of Biology at Tbilisi State University, where she also obtained her PhD. She is currently a Leading Scientist at the Applied Microbiology Laboratory of the George Eliava Institute of Bacteriophage, Microbiology and Virology. She is also affiliated with Tbilisi Medical Academy, the first private university in Georgia.

With approximately 90 scientific publications, her research has primarily focused on bacterial viruses (bacteriophages) and their therapeutic potential against pathogenic bacteria.

She is currently involved in the research project *"Encapsulation of Salmonella Phages in Cationic Liposomes"*, funded by the Georgian Science Foundation. This project also serves as a platform for establishing long-term research collaboration between Tbilisi Medical Academy and the University of Zagreb, while contributing to the development of bacteriophage therapy research in Croatia.