

Mersini Makropoulou - Loukogiannakis
Professor Emeritus, Physics Department, School of Applied Mathematical and Physical Sciences - NTUA

◆ **PERSONAL DETAILS**

Name	Mersini Makropoulou - Loukogiannakis
Date of birth	14/4/1952
Marital status	Married, with one daughter
Work address	Department of Physics, SAMPS - NTUA, Zografou Campus
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Dr. **Mersini Makropoulou** is an Emeritus Professor in the Department of Physics at the School of Applied Mathematical and Physical Sciences (SAMPS) of the National Technical University of Athens, with research subject on “Biomedical Applications of Lasers”. She holds a Bachelor of Science degree from the School of Physics and Mathematics of the University of Athens (1976) and a PhD in Biophysics from the University of Bucharest, Romania (1982).

Dr. Makropoulou has been a faculty member at NTUA since 1990. She initially served as a tenured Lecturer in the Physics Department of the (then) General Department of NTUA (02/90 – 07/97), was elected to the position of Assistant Professor (07/97), and in 2007 she was elected to the position of Associate Professor and in 2016 to the position of Professor of the Physics Department of SAMPS. After her retirement (2019), she is an Emeritus Professor at NTUA.

She holds the license to practice the profession of “Hospital Physicist”, in the area of non-ionizing radiation.

Its educational, research and administrative work is summarized as follows:

1. Educational Work

- Dr. Makropoulou has taught continuously, since 1990, when she assumed duties as a faculty member at NTUA, in almost all the university Schools, many of the undergraduate courses and laboratories that the Department of Physics provides to NTUA students. She has taught elective courses related to Biomedical Technology, Biomedical Physics and Biophotonics, as well as postgraduate courses, related to her field of study, in Greece and abroad. She also teaches in the DPMS “Medical Physics - Radiation physics” coordinated by the Medical School of NKUA.
- She supervised the preparation of diploma theses for more than 45 undergraduate and postgraduate students of the School of Applied Mathematical and Physical Sciences of NTUA. She was also the Supervising Professor in the preparation of 4 doctoral theses, which were successfully completed (E.-Ch. Papagiakoumou, E. Drakaki, E. Spyratou, G. Kareliotis). She participated in approximately 10 seven-member doctoral thesis examination committees in Greece and abroad.
- She has written teaching notes for a number of elective courses, related to her broader field of study, which are addressed from time to time to different audiences, such as Health Practitioners, Medical Doctors of various specialties, Electrical Engineers and Physicists. She has also participated in the translation of 2 university books/textbooks.

2. Research Work

Her research work is reflected in 47 papers published in international peer-reviewed journals, 69 full papers published in proceedings volumes or journal volumes of international peer-reviewed

conferences (without overlaps with those published in international journals), 1 chapter in a book, 26 full papers in proceedings of Greek conferences or in Greek scientific journals and 79 presentations of papers (some of them as an invited speaker) at international conferences, national conferences or workshops, in abstract form, in Greece or abroad. She has participated in many national and international research programs as Program Leader, Scientific Director, Principal Investigator, etc.

3. Administrative duties

Dr. Makropoulou, since 1990 when she assumed duties as a faculty member at NTUA, has had various administrative tasks at NTUA, having been, for example, representative of the Physics Department at the General Assembly of the (then) General Department and representative of the General Department at the NTUA Senate (1995-96). She was a member of many committees of the Physics Department, as well as committees of the School of Applied Mathematical and Physical Sciences and Senate committees of NTUA (e.g. member of committees for continuing education and equivalence - recognition of professional rights). She served as Director of the Physics Department for the academic year 2013-14. Finally, she represented NTUA in committees/positions of the Public sector such as DOATAP etc.

Athens, February 2026