

Dr. **Margarita Chatzichristidi** is Professor in the Laboratory of Industrial Chemistry at the Department of Chemistry, NKUA. She obtained her B.Sc. (1997) at the Department of Physics, University of Ioannina, her MSc (1999) at Polymer Science and Technology, UMIST, UK and her Ph.D. in Chemistry (2004) at NKUA in collaboration with the Institute of Microelectronics (now Institute of Nanoscience and Nanotechnology), NCSR Demokritos. She was a Post-doctoral fellow (2005-2006) at the Department of Physics, University of Patras and then a Post-Doctorate Associate (2007-2008) at the Materials Science Center, Cornell University, Ithaca, USA. At 2008 she joined the Department of Chemistry, NKUA as a lecturer where now she holds a Professor position (2023).

Her research activities include: 1) Fabrication of microsystems (e.g. polymeric sensors) using conventional and non-conventional lithographic patterning methods, 2) Surface modification via UV exposure, 3) Study of photoresist for selective immobilization of biomolecules and cells, 4) Polymeric nanocomposites, 5) Lithographic evaluation of new materials, 6) Design and characterization of materials suitable for organic electronics 7) Micromachining.

She has supervised 5 doctoral theses 24 master's theses and 18 diploma theses. She has participated in 8 funded projects (EU and GRST) in 3 of them as the Principal Investigator. She is the author/co-author of 65 papers published in peer-reviewed international journals and of more than 100 conference communications. She holds 4 international patents. She was the chair or co-chair in 4 conferences and in the organizing committee of 6 more. She is an elected member (2021-2024 and 2025-2028) of the Micro Nano Scientific Society.

Profile links

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Research interests

- Fabrication of microsystems using conventional and non-conventional lithographic patterning methods
- Surface modification via UV exposure
- Study of adequate photoresist surfaces for selective immobilization of biomolecules and cells
- Polymeric nanocomposites
- Lithographic evaluation of new materials