

## PERSONAL INFORMATION

## Giannakopoulou Tatiana



Institution: Institute of Nanoscience and Nanotechnology,  
NCSR Demokritos, 15310, Athens  
Tel.: +302106503347  
e-mail: t.giannakopoulou@inn.demokritos.gr

## RESEARCH EXPERIENCE

## PROFILE

01/07/2000-today  
1985-1996

Graphene and graphene analogues (2D materials) for energy storage applications. Organic/inorganic semiconductor photocatalysts. Modeling the optical properties of thin films using fitting techniques. Microwave properties of ferromagnetics, ferroelectrics and conductive polymers for design of microwave absorbing materials and metamaterials. Associate researcher at Institute of Nanoscience and Nanotechnology, NCSR Demokritos, Athens  
Scientific researcher at Laboratory of Polarimetry, Radiophysics department, Kiev Shevchenko State University

## EDUCATION

1993  
1980-1985

PhD Diploma, Radiophysics department of Kiev Shevchenko State University  
PhD thesis: "Polarization properties of the diffusely scattered coherent electromagnetic radiation".  
Diploma in Physics, Radiophysics department of Kiev Shevchenko State University, specialty - radiophysics and electronics (including quantum radiophysics)  
Diploma grade: 8.85

## PERSONAL SKILLS

## Foreign languages

Greek, English,  
Russian, Ukrainian (mother tongues)

## Job-related skills

Reviewer in Scientific Journals: J. Magn. Magn. Mater., IEEE Trans. Ant. Propag., J. Appl. Phys., J. Hazard. Mater., Europhys. Lett., Mater. Lett., Catalysis Lett., J. Photochem. Photobiol., etc.

## Digital competence

Word, Excel, Powerpoint, Origin, Internet, FORTRAN

## Technical skills

XRD, FT-IR, UV-Vis, Raman spectroscopies, BET, cyclic voltammetry and electrochemical impedance spectroscopy, SUNTEST accelerated weathering instrument, photocatalytic NO<sub>x</sub> oxidation installation, and contact angle device.  
Electrochemical deposition, dip and spin-coating deposition techniques.

## ADDITIONAL INFORMATION

Publications in international scientific journals with reviewers ~ 59  
Presentations at international and national conferences with reviewers ~48  
Citations 2438, h-index 28 (Google Scholar 20/12/2021)

## HONOURS / AWARDS

Best Poster Award for poster presentation at 2nd International Workshop on Graphene and C<sub>3</sub>N<sub>4</sub>-based Photocatalysts, 24-27 March 2017, Wuhan, China ("Photoreduction of electrochemically deposited graphene films: solar vs UV and pre vs post-photoreduction" by T. Giannakopoulou, N. Todorova, C. Trapalis)  
Image selected as Cover Page Image of Polymer International (Volume 66, Issue 12, December 2017) from the publication "Mechanical Performance of Re-extruded and Aged Graphene / Polypropylene Nanocomposites", Polymer International 66 (2017) 1716-1724.

## SELECTED PUBLICATIONS

1. **T. Giannakopoulou**, G. Pilatos, N. Todorova, N. Boukos, T. Vaimakis, I. Karatasios, C. Trapalis, Effect of processing temperature on growing bamboo-like carbon nanotubes by chemical vapor deposition, Mater. Today Chem. 19 (2021) 100388.
2. **T. Giannakopoulou**, N. Todorova, A. Erotokritaki, N. Plakantonaki, A. Tsetsekou, C. Trapalis, Electrochemically deposited graphene oxide thin film supercapacitors: Comparing liquid and solid electrolytes, Appl. Surf. Sci. 528 (2020) 146801.
3. **T. Giannakopoulou**, I. Papailias, N. Todorova, N. Boukos, Y. Liu, J. Yu, C. Trapalis Tailoring the energy band gap and edges' potentials of g-C<sub>3</sub>N<sub>4</sub>/TiO<sub>2</sub> composite photocatalysts for NO<sub>x</sub> removal, Chem. Eng. J. 310 (2017) 571-580.
4. **T. Giannakopoulou**, N. Todorova, M. Giannouri, Jiaguo Yu, C. Trapalis. Optical and photocatalytic properties of composite TiO<sub>2</sub>/ZnO thin films, Catal. Today 230 (2014) 174-180.