

# Athanasios Tsekouras



Associate Professor

LAB OF PHYSICAL CHEMISTRY, DEPARTMENT OF CHEMISTRY, NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

Email: [thanost@chem.uoa.gr](mailto:thanost@chem.uoa.gr)

ORCID: [0000-0002-4757-324X](https://orcid.org/0000-0002-4757-324X)

Tel.: +30-210-727-4518

Website: <http://jupiter.chem.uoa.gr/pchem/lab/tsekouras.html>

## EDUCATION

- 1 Bachelor in Chemistry, National and Kapodistrian University of Athens (1987)
- 2 PhD in Chemical Physics / Stanford University/ Dynamics of the Reaction  $Ba + HI \rightarrow BaI + H$  (1992)

## RESEARCH FIELDS

Reaction Dynamics, Surface Reactions, Spectroscopy, vapor deposited amorphous solids, Thermodynamics, Model Fitting

## EDUCATIONAL EXPERIENCE

### UNDERGRADUATE COURSES

- Physical Chemistry I/ required course/ Department of Chemistry
- Physical Chemistry laboratory II/ required course/ Department of Chemistry
- Molecular Spectroscopy / elective course/ Department of Chemistry

### GRADUATE COURSES

- Molecular Spectroscopy/Department of Chemistry/Graduate Program in Physical Chemistry

## AWARDS / SCHOLARSHIPS/DISTINCTIONS

- Greek National Scholarship Foundation scholarship for undergraduate academic excellence 1983, 1984, 1985
- Empirikion Foundation research award 2001

## RESEARCH GRANTS

- Kapodistrias NKUA grants (Study of ion-molecule reactions in condensed phases) / A. Tsekouras/ €16535 / 1998-2011
- Empirikion grant (Study of controlled ion motion in solids at low temperatures and their reaction with molecules under these conditions) / A. Tsekouras/ €16141 / 2001-2002

## REVIEWER OF SCIENTIFIC JOURNALS

Proceedings of the Royal Society, A: Mathematical, Physical and Engineering Sciences; Journal of Physical Chemistry; Materials Chemistry and Physics; Chimika Chronika

## EDITOR OF BOOKS AND SPECIAL VOLUMES

P. Macheras, A. A. Tsekouras, Revising Oral Pharmacokinetics, Bioavailability and Bioequivalence Based on the Finite Absorption Time Concept, Springer, 2023 <https://link.springer.com/book/10.1007/978-3-031-20025-0>

## ADDITIONAL INFORMATION

- Presentations at conferences: **8**
- Supervision of graduate students: **11**
- Supervision of undergraduate students: **41**
- Reviewer in Research Programs: **3**

## SELECTED PUBLICATIONS

- Spontaneous polarization of vapor-deposited 1-butanol films and its dependence on temperature <https://doi.org/10.1063/1.4978239>
- Spontaneous Polarization of Cryo-Deposited Films for Five Normal Saturated Monohydroxy Alcohols,  $C_nH_{2n+1}OH$ ,  $n = 1-5$  <https://doi.org/10.1021/acs.jpcc.9b04978>
- Sign flipping of spontaneous polarization in vapour-deposited films of small polar organic molecules <https://doi.org/10.1039/d1cp01584b>
- Reply to "Comment on 'Spontaneous Polarization of Cryo-Deposited Films for Five Normal Saturated Monohydroxy Alcohols,  $C_nH_{2n+1}OH$ ,  $n = 1-5$ '" <https://doi.org/10.1021/acs.jpcc.1c04017>
- Re-writing oral pharmacokinetics using physiologically based finite time pharmacokinetic (PBFTPk) models <https://doi.org/10.1007/s11095-022-03230-0>