



### ANTONY C. CALOKERINOS

**Title:** Emeritus Professor (Analytical Chemistry)

**Sector:** Analytical, Physical and Theoretical Chemistry (Sector I)

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#### Academic Qualifications:

- Ph.D. (Chemistry) (1979) University of Birmingham. UK
- M.Sc. (Analytical Chemistry) (1975) University of Birmingham, UK
- B.Sc. (Chemistry) (1974) National and Kapodistrian University of Athens (NKUA), Greece

#### Appointments:

- 1979-1980: Research Assistant, Department of Chemistry, NKUA
- 1980-1982: Research Associate, Department of Chemistry, NKUA
- 1982-1988: Lecturer, Department of Chemistry, NKUA
- 1988-1994: Assistant Professor, Department of Chemistry, NKUA
- 1994-2003: Associate Professor, Department of Chemistry, NKUA
- 2003-2018: Professor of Analytical Chemistry, Department of Chemistry, NKUA
- 2018- : Emeritus Professor (Analytical Chemistry), NKUA
- 1998- : Visiting Professor, Mediterranean Agronomic Institute of Chania, Chania, Crete
- 1981: Visiting researcher, University of Hull, UK

#### Teaching Activities:

##### Undergraduate courses

- Qualitative Analysis (lectures, laboratory)
- Quantitative Analysis (lectures, laboratory)
- Advanced Analytical Techniques

##### Postgraduate courses

- Advanced Analytical Chemistry
- Quality Control of Materials

Completed > 50 M.Sc. Theses

Completed > 20 Ph.D. Theses

#### Research Interests/Activities: (last 10 years)

- Luminescence, Chemiluminescence, Fluorescence
- Natural Products (quality control)
- Antioxidants (new methods, determination, real samples)
- Quality control of food, etc

#### Scientific Publications/Citations:

- > 100 publications in refereed journals
- > 30 invited lectures in international conferences
- 2 invited editorships in international journals
- 2569 citations (H-index 29)

- Co-editor and author of "Flame Chemiluminescence Analysis by Molecular Emission Cavity Detection", John Wiley & sons
- Chapter «Chemiluminescence in Flow Injection Analysis» in «Chemiluminescence in Analytical Chemistry», Ana M. Garcia-Campaña and Willy R. G. Baeyens, Marcel Dekker Inc., 2001
- Author of electronic book entitled "Analytical Chemistry"

#### Top five publications

- **M. Abou Samra, V. S. Chedea, A. Economou, A. C. Calokerinos, P. Kefalas**  
Antioxidant/prooxidant properties of model phenolic compounds: Part I. Studies on equimolar mixtures by chemiluminescence and cyclic voltammetry  
Food Chemistry, 2011, 125 (2), 622-629.  
(<http://dx.doi.org/10.1016/j.aca.2009.08.012>)
- **E. Fassoula, A. Economou and A. C. Calokerinos**  
Development and validation of a sequential-injection method with chemiluminescence detection for the high throughput assay of the total antioxidant capacity of wines  
Talanta, 2011, 85 (3), 1412-1418  
(<http://dx.doi.org/10.1016/j.talanta.2011.06.037>)
- **D. Christodouleas, K. Papadopoulos and A. C. Calokerinos**  
Determination of Total Antioxidant Activity of Edible Oils as well as Their Aqueous and Organic Extracts by Chemiluminescence  
Food Analytical Methods, 2011, 4 (4), 475-484  
(<https://doi.org/10.1007/s12161-010-9189-6>)
- **Dionysios C. Christodouleas, Charalambos Fotakis, Kyriakos Papadopoulos, Antony C. Calokerinos**  
Evaluation of total reducing power of edible oils  
Talanta 2014, 130(1) 233-240,  
(<http://dx.doi.org/10.1016/j.talanta.2014.06.058>)
- **Katerina Mitrevska, Spyros Grigorakis, Sofia Loupassaki and Antony C. Calokerinos**  
Antioxidant Activity and Polyphenolic Content of North Macedonian Wines  
Applied Sciences 2020, 10(6), 2010;  
(<https://doi.org/10.3390/app10062010>)

#### Organization of International Conferences:

- Chairman/Co-Chairman of the International Conference "Aegean Analytical Chemistry Days" (2002, 2006, 2010, 2014, 2018)