



## Personal Information

Name: Mauro Tomassetti  
Location: Roma, IT  
AICAT member since: 2018



**Position:** Retired Full Professor of Analytical Chemistry CHIM/01

**Affiliation:** teaching contract at La Sapienza University and Tor Vergata University of Rome



[mauro.tomassetti@uniroma1.it](mailto:mauro.tomassetti@uniroma1.it)



ORCID

ResearcherID

Scopus 7006811612

**Education and positions:** Laurea in Chemistry (1969) and laurea in Pharmacy (1977). Assistant Professor since 1979, then Associate Professor of Analytical Chemistry at the University of Rome 'La Sapienza' since 1985. Full Professor of Analytical Chemistry at the same University since 2004. Currently retired full professor with a teaching contract at Sapienza University and University of Tor Vergata.

**Main fields of interest:** electrochemical sensors, immune-sensors and biosensors in aqueous and organic solvents and their application to environmental, biopharmaceutical and food analysis. Thermal analytical studies for the stability, compatibility, or purity control and the characterisation of several materials (drugs, foodstuffs, polymers, etc.) and in the study and characterisation of archaeological finds and cultural heritages.

**Methods:** Thermogravimetric Analysis (TGA), Differential Thermal Analysis (DTA), Differential Scanning Calorimetry (DSC), Thermal Mechanical Analysis (TMA).

**Professional activities:** Member of "Centro di ricerche applicate alla Protezione dell'Ambiente e dei Beni Culturali (CIABC)". Member of "Istituto per lo Studio dei Materiali Nanostrutturati (ISMN)" of CNR. Member of the Editorial Advisory Board of Current Pharmaceutical Analysis and of Current Analytical Chemistry (regional editor). He has been a member of the Editorial Board of Thermal Analysis.

**Publication record Scopus** (September 2019): documents (258), citations (3557), *h*-index (32)

**Equipments:** Thermogravimetric Analysis (TGA), Differential Scanning Calorimetry (DSC), Thermal Mechanical Analysis (TMA).

### 5 most important publications:

T. Gatta, E. Gregori, F. Marini, M. Tomassetti, G. Visco, L. Campanella. New approach to the differentiation of marble samples using thermal analysis and chemometrics in order to identify provenance. *Chemistry Central Journal* 2014;35-1-35-9, 8

M. Tomassetti, F. Marini, L. Campanella, A. Coppa. Study of modern or ancient collagen and human fossil bones from an archaeological site of middle Nile by thermal analysis and chemometrics. *Microchemical Journal* 2013;7- 13, 108;

M. Tomassetti, G. Favero, L. Campanella. Kinetic thermal analytical study of saturated mono-, di- and tri-glycerides *Journal of Thermal Analysis and Calorimetry* 2013; 519- 527, 112;

M. Tomassetti, S. Vecchio Cipriotti, L. Campanella, R. Dragone Biosensors for monitoring the isothermal breakdown kinetics of peanut oil heated at 180°C. Comparison with results obtained for extra virgin olive oil. *Food Chemistry* 2013; 700- 710, 140;

L. Campanella, M. Miceli, M. Tomassetti, S. Vecchio Cipriotti Kinetic investigation and predictive model for the isothermal degradation time in two commercial acetylsalicylic acid-based pharmaceutical tablet formulations. *Thermochimica Acta* 2011;151- 156, 526;