

PANAGIOTA MARKAKI

Associate Professor of “Food Chemistry and Food Toxicology”

Education

Athens University, B. Pharmacy, (1976)

-DESS (Diplôme Etudes Supérieures Spécialisation) Nutrition, Diététique et Control des Aliments) Paris XI University of Pharmaceutical and Biological sciences.) Paris France (1978-1979)

-Diplôme Institut Scientifique et Technique d’Alimentation (Conservatoire National des Arts et Métiers Paris France (1978-1979)

- Athens University, Ph.D in Toxicology, 1984

School of Medicine University of Athens

Scientific collaborator in Forensic Medicine and Toxicology Laboratory (1980-1986)

-Post Doctoral Studies

Agence Francaise de Sécurité Sanitaire des Aliments (AFSSA) (Maisons Alfort-Paris in the laboratories of 1) Mycotoxins and 2) Phycotoxins

a)1987 (six months)

b) 1999 in the laboratory of mycotoxins (three months)

Research Field of Interest:

-Development and validation of analytical methods for the determination of mycotoxins (toxic and carcinogenic substances) in foods –Risk Assessment

- Study of the effect of several factors that affect (inhibitors or promoters) AFB₁ biosynthesis by aflatoxigenic molds in foods and microbiological media.

- Isolation and Identification of spoilage and toxigenic molds from foods of Greek origin

Teaching

Undergraduate:

7220 Food Microbiology

8121 Introduction to Toxicology –Ecotoxicology

Graduate:

Food microbiology

Analytical Chemistry- Quality control

Book Authorship

Selected papers and “book” chapters

- Panagiota Markaki**.(2010) Occurrence of Aflatoxin B₁ in the Greek virgin olive oil. Estimation of the daily exposure. In: “Olives and olive oil Health and Disease Prevention” Pr. V.R. Preedy and R.R. Watson Eds. Life Science: Elsevier,
- D.M Meimaroglou, D.Galanopoulou **P.Markaki** *(2009). Study of the effect of methyljasmonate on aflatoxin B₁ biosynthesis by *Aspergillus parasiticus* in yeast sucrose medium. International Journal of microbiology ID 842626, 7 pages
- P Villa, **P Markaki***(2009) Aflatoxin B₁ and Ochratoxin A in breakfast cereals from Athens market: Occurrence and risk assessment. Food Control 20 (5), pp. 455-461
- A.Moukas, V.Panagiotopoulou, **P.Markaki** *(2008) Determination of patulin in fruit juices using HPLC-DAD and GC-MSD techniques. Food Chemistry 109(4):860-867
- V. Dimitrokallis, D.M.Meimaroglou, **P.Markaki** *(2008) Study of the Ochratoxin A effect on *Aspergillus parasiticus* growth and aflatoxin B₁ production. Food and Chemical Toxicology (49) 2435-2439
- K.Meletis, S.Meniades-Meimaroglou, P.Markaki*(2007) Determination of ochratoxin A in grapes of Greek origin by immunoaffinity and high-performance liquid chromatography.Food Additives and Contaminants 24(11):1275-1282
- S.Ghitakou, K.Koutras, E.Kanellou, **P.Markaki*** (2006) Study of aflatoxin B₁ and ochratoxin A production by natural microflora and *Aspergillus parasiticus* in black and green olives of Greek origin. Food Microbiology 23(7):612-621
- **P.Markaki***, K.Velivassaki, D.Giannitsis, D.Galanopoulou (2006). Methyljasmonate effect on aflatoxinB₁ production by olives inoculated with *Aspergillus parasiticus* is concentration –depended .In Mycotoxins and Phycotoxins Advances in determination ,toxicology and exposure management (NjapeauH.,Trujillo S van Egmond H.P, Park.D. Eds) Wageningen Academic Publishers.pp 259-2649.

-A.Papachristou, **P.Markaki*** (2004) Determination of ochratoxin A in virgin olive oils of Greek origin by immunoaffinity, Column clean-up and high-performance liquid chromatography. *Food Additives and Contaminants* 21(1):85-92

-D.Leontopoulos, A.Siafaka, **P.Markaki*** (2003) Black olives as substrate for *Aspergillus parasiticus* growth and aflatoxin B₁ production. *Food Microbiology* 20(1):119-126.

-S.Vergopoulou, D.Galanopoulou, **P.Markaki*** (2001) Methyl jasmonate stimulates Aflatoxin B₁ biosynthesis by *A.parasiticus* *J Agric. Food Chem.* 49(7):3494-3498

- **P.Markaki***, C.Delpont-Binet, F.Grosso, S.Dragacci (2001) Determination of ochratoxin A in red wine and vinegar by immunoaffinity HPLC. *J Food Protection* 64(4):533-537.

- E.Daradimos, **P.Markaki***, M.Koupparis (2000) Evaluation and validation of two fluorometric HPLC methods for the Determination of aflatoxin B₁ in olive oil. *Food Additives and Contaminants* 17(4):65-73.