

CURRICULUM VITAE

VASSILIKI A. BOUMBA

PERSONAL DATA



Surname: Boumba

First name: Vassiliki

Father's name: Apostolos

Date of birth: May 11, 1965

Place of birth: Ioannina

Citizenship: Greek

Marital status: Married (three children)

Home address: Michail Angelou 46, 45 332 Ioannina, Greece

Business address: Laboratory of Forensic Medicine & Toxicology, Department of Medicine, School of Health Sciences, University of Ioannina, Ioannina 451 10 Greece

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EDUCATION

1988: Degree of Chemistry (B.Sc.), Department of Chemistry, National and Kapodistrian University of Athens, Greece

July 1994: Ph.D. in Biological Chemistry, Medical School, University of Ioannina. Title of PhD Thesis "Isolation, Structure and Properties of the High Mobility Group Protein 17 (HMG-17) from Pig Thymus"

1998: Advanced training in Forensic Toxicology, Laboratory of Forensic Medicine and Toxicology, Medical School, National University of Athens, Greece

August 2012: attached to the Section of Legal Medicine of the Department of Public Health and Community Medicine, Faculty of Medicine and Surgery of the University of Verona, Italy.

SABBATICAL

June 1 2016 –November11 2016: sabbatical placement in the Department of Forensic Medicine at Monash University, and a guest of the Victorian Institute of Forensic Medicine under the supervision and co-operation with Professor Olaf Drummer (Monash University).

SCIENTIFIC COORDINATOR OF RESEARCH PROJECTS

April 2013 to October 2015: “Therapeutic antipsychotic and anti-depressive drug monitoring in the blood of psychiatric patients and their correlation to disease factors” funded by the National Strategic Reference Framework 2007-2013 (NSRF 2007-2013) of the European’s Union Programme for regional development.

MAIN EXPERIMENTALIST in RESEARCH PROGRAMS

01/11/1988 to 30/10/1989: *Greek Secretariat for Research and Technology (GSRT)*, "Isolation and characterization of a new immunoactive peptide from pig thymus". Principal Investigator Prof. K. Seferiadis, Laboratory of Biological Chemistry, Medical School, University of Ioannina.

05/01/1990 to 04/30/1991: *Greek Secretariat for Research and Technology (GSRT)*, "Determination of glutamine and asparagine in hydrolysates of peptides and proteins by HPLC". Principal Investigator Prof. K. Seferiadis, Laboratory of Biological Chemistry, Medical School, University of Ioannina.

01/05/1991 to 04/30/1993: *Greek Secretariat for Research and Technology (GSRT)*, "Isolation, characterization and investigation of in vitro biological activity of a new immunoactive peptide". Principal Investigator Prof. K. Seferiadis, Laboratory of Biological Chemistry, Medical School, University of Ioannina.

01/01/1993 to 30/06/1993: *Greek Secretariat for Research and Technology (GSRT)*, “STRIDE HELLAS 33’. Principal Investigator Prof. O. Tsolas, Laboratory of Biological Chemistry, Medical School, University of Ioannina.

17/12/1993 to 16/12/1995: *Greek Secretariat for Research and Technology (GSRT)*, "Structure and function of extracellular protein HMG-17 from pig thymus". Principal Investigator, Prof. K. Seferiadis, Laboratory of Biological Chemistry, Medical School, University of Ioannina.

02/07/1996 to 02/06/1997: *Research Committee of University of Ioannina*, "Mapping the chromosomal protein epitopes HMG-17 rabbit antibody and human autoantibody". Principal Investigator Prof. K. Seferiadis, Laboratory of Biological Chemistry, Medical School, University of Ioannina.

01/01/1998 to 31/12/2002 and 01/06/2008 to 12/31/2008 and 04/01/2009 to 12/31/2009: *Ministry of Justice*, "Postmortem investigation of latent thyroid cancer and prostate gland". Principal Investigator Prof. T. Vougiouklakis, Department of Forensic Medicine and Toxicology, Medical School, University of Ioannina.

1998-2000: *National Agricultural Research Foundation of Greece(NAGREF)* project No. VI /16 in the framework of the program “DIMITRA 95”. Principal Investigator Dr. L.P. Voutsinas.

SCIENTIFIC / PROFESSIONAL ACTIVITIES

1988- 1994: Research Fellow (Main Experimentalist in research projects) and Doctoral Student at the Laboratory of Biological Chemistry, Medical School, University of Ioannina.

1994-1997: Post-doctoral Researcher at the Laboratory of Biological Chemistry, Medical School, University of Ioannina.

1998-2010: Researcher and teaching assistant at the Department of Forensic Medicine & Toxicology, Medical School, University of Ioannina

June 2000: Adjunct Lecturer in Forensic Toxicology of the Department of Forensic Medicine & Toxicology, Medical School, University of Ioannina.

February 2009: Lecturer in Forensic Toxicology of the Department of Forensic Medicine & Toxicology, Medical School, University of Ioannina.

2002-present: Chief toxicologist in the Department of Forensic Medicine and Toxicology, Medical School, University of Ioannina, covering the fields of forensic, postmortem and clinical toxicology.

[The Department is legally authorized to perform full medico legal and/ or toxicological investigation on all relevant cases arising in the Region of Epirus, Greece, on request by preliminary (Police) or judicial investigation authorities. The Department also performs the toxicological analyses on request of the medical doctors of the local University Hospital (intoxications with ethanol, drugs of abuse, pharmaceuticals, pesticides, volatiles etc)].

August 2013-2018: Assistant Professor of Forensic Toxicology, Department of Forensic Medicine & Toxicology, Medical School, University of Ioannina.

February 2019-present: Associate Professor of Forensic Toxicology, Department of Forensic Medicine & Toxicology, Medical School, University of Ioannina.

ADVANCED COURSES

1. **NATO/FEBS/EMBO** Advanced Study Institute on "Post-transcriptional control of gene expression", Spetsai International Summer School: 3/8-14/8 1992, Spetsai, Greece.
2. **European Molecular Biology Organization (EMBO)** Course on "1 D-and 2 D-gel protein purification and microsequencing": 1-10/9 1992, University of Gent, Gent, Belgium.
3. **NATO/FEBS/EMBO** Advanced Study Institute on "Protein Structure Function and Design", Spetsai International Summer School: 30/8-12/9 1993, Spetsai, Greece.

RESEARCH INTERESTS – KNOWLEDGE

GENERAL: FORENSIC AND CLINICAL TOXICOLOGY

SPECIFIC: (i) New psychoactive substances (NPS); (ii) Postmortem microbial ethanol production – mathematical modelling; (iii) study of intoxications; (iv) accumulation of toxicants in human tissues; (v) Study of cytokines profile in psychiatric patients and correlation with blood antipsychotics' levels; (vi) Development / application of analytical methods to forensic and biochemical research:

-Gas chromatography coupled with FID, ECD, NPD and MS detection

-High Performance Liquid Chromatography with UV/VIS, DAD detection

-Solid Phase Extraction-Solid Phase Microextraction

-Sampling and analysis of biological materials from autopsy and clinical cases

-Knowledge of software packages such as Microsoft Word, Word Perfect, Microsoft Excel, Regression Analysis (Simple, Multiple), Multivariate Methods (Correlation Analysis, PCA, Factor Analysis, Cluster Analysis, Discriminant Analysis).

PRIZE FOR RESEARCH PROJECT: “Purification, and sequence of the porcine high mobility nuclear protein 17 (HMG-17). Autoantibodies directed against it are found in autoimmune rheumatic diseases and correlated with SLE disease activity” by the Athens Medical Society, Athens, May 17 1993.

LANGUAGES

Greek (native), English (fluent), German (elementary)

SOCIETIES

- The International Association of Forensic Toxicologists (TIAFT)
- Forensic and Clinical Toxicology Association (FACTS)
- Hellenic Society of Toxicology
- Hellenic Society of Forensic Sciences
- Hellenic Chemical Society
- Hellenic Society of Biochemistry and Molecular Biology

ADVISORY BOARDS

- National Committee of Drugs and Pharmacy of the Ministry of Health (2011-2013)
- Local Department of the Hellenic Chemistry Society (2001-2003)

ADMINISTRATION

- Elected Regional Councillor, member of the Regional Council of Epirus (2014-2019)
- Member of the Regional Council for Research and Development of the Region of Epirus (2015-2021)

ORGANIZATION of SCIENTIFIC EVENTS

- 2nd European Congress on: «*Pesticides and Related Organic Micropollutants in the Environment*», Corfu September 26-27, 2002.
- 2nd Conference on “*Latest Developments and the Necessity of Co-operation concerning Biomedical Research*”, Chairman of «*Anthropology, Psychiatry, Forensic Medicine: Funeral forms in the EU*». German-Greek Academy for Biomedicine, Crete, 5-7 October 2003.
- Conference on: «*Burial - Burning - Cremation. Timeless and Contemporary Approach*» Department of Forensic Medicine and Toxicology, Medical School, University of Ioannina. Ioannina May 15, 2006.
- Conference on: “*Undergraduate, Postgraduate and Continuing Education in Forensic Medicine: Present and Future*” Department of Forensic Medicine and Toxicology, Medical School, University of Ioannina. Metsovo February 21, 2009.
- Lectures/Festivities during the International Year of Chemistry, 2011: “*Chemistry: our life – our future*”. Local Department of the Hellenic Chemical Society.
- Workshop on: “*Therapeutic Drug monitoring of antipsychotic and antidepressant drugs in Epirus, Greece*”, Laboratory of Forensic Medicine & Toxicology, Psychiatry Clinic, Faculty of Medicine, University of Ioannina (Host: V.A. Boumba), 10-10-2015, Ioannina, Greece.

REVIEWER FOR INTERNATIONAL JOURNALS

- 1) African Journal of Biotechnology
- 2) Analytical Bioanalytical Chemistry
- 3) Biomedical Chromatography
- 4) Clinical Medical Case Studies and Reviews
- 5) Collegium Antropologicum
- 6) Current Pharmaceutical Design
- 7) Forensic Science International
- 8) International Journal of Clinical Practice
- 9) Journal of Analytical Toxicology
- 10) Journal of Chromatography B
- 11) Journal of Forensic and Legal Medicine
- 12) Journal of Forensic Toxicology and Pharmacology
- 13) Journal of Pharmaceutical and Biopharmaceutical Analysis
- 14) MedCrave Online Journal of Toxicology (MOJT)
- 15) Pediatrics
- 16) Sultan Qaboos University Medical Journal

INVITED SPEAKER

Workshop on: “*Applications of HPLC and GC/MS in Biomedicine and Chemical Analysis of Food and Environment*”, under the auspices of the Measurements and Testing Directorate General XII of the European Union. Organization "Analytical SA" in collaboration with the "National Documentation Centre / Centre for Greek Relay VALUE». Lecture on "Modern solutions to traditional problems: Applications of HPLC in amino acid analysis and protein sequencing." Athens, May 24-27 1994.

Lectures: Annual Continuing Education Program of the University Hospital of Ioannina, 2012-2015.

Contribution to Undergraduate theses

PUBLICATIONS IN PEER-REVIEWED JOURNALS

- 1) Estimating a reliable cut-off point of 1-propanol in postmortem blood as marker of microbial ethanol production .
Boumba V*, Kourkoumelis N, Ziavrou K, Vougiouklakis T.
Journal of Forensic Sciences and Medicine, **2019** (in press)
- 2) A pilot study of plasma antipsychotic drugs concentrations of first episode patients with psychosis from Epirus - Greece
Boumba V. A.*, Petros Petrikis, Patteet L., Baou M., et al.
Current Psychopharmacology, **2019**; 8:1-7.
- 3) Incidental finding of bifid cardiac apex in a case of sudden death due to sicklecell disease.
Fragkouli K, Mitselou A, Boumba V, Vougiouklakis T.
Rom J Leg Med **2018**, 26: 151-153
- 4) The analysis of 132 novel psychoactive substances in human hair using a single step extraction by tandem LC/MS
Boumba, V.A.*, Di Rago, M., Peka, M., Drummer, O.H., Gerostamoulos, D.
Forensic Science International, **2017**; 279: 192-202.
- 5) Changes in the cytokine profile in first-episode, drug-naïve patients with psychosis after short-term antipsychotic treatment
Petrikis, P., Voulgari, P.V., Tzallas, A.T., **Boumba, V.A.**, Archimandriti, D.T., Zambetas, D., Papadopoulos, I., Tsoulos, I., Skapinakis, P., Mavreas, V.
Psychiatry Research, **2017**; 256: 378-383.
- 6) My Australian sabbatical experience
Boumba Vassiliki,
TIAFT Bulletin, **2017**; 47(1): 22-24
- 7) Poisoning suicide with ingestion of the pyrethroids alpha-cypermethrin and deltamethrin and the antidepressant mirtazapine: a case report
Boumba VA*, Rallis G, Vougiouklakis T
Forensic Science International, **2016**; 274: 75-78
- 8) Determination of clozapine, and five antidepressants in human plasma, serum and whole blood by gas chromatography-mass spectrometry: a simple tool for clinical and postmortem toxicological analysis
Boumba VA, Petrikis P, Rallis G, Vougiouklakis T, Mavreas V.
Journal of Chromatography B, Analytical Technologies in the Biomedical and Life Sciences, **2016**; 1038: 43-48
- 9) Development and Validation of an UHPLC-UV method for the Determination of Agomelatine in Human Plasma and Serum Suitable for Routine Clinical Analysis
Rallis G, Petrikis P, **Boumba VA**
Annals of Chromatography and Separation Techniques **2016**; 2(2): 1020
- 10) Elevated levels of Insulin-like Growth Factor-1 (IGF-1) in drug-naïve patients with psychosis. Petrikis P, **Boumba VA**, Tzallas AT, Voulgari PV, Archimandriti DT, Skapinakis P, et al.
Psychiatry Research **2016**;246:348-352.
- 11) The Alcohol Intolerance Produced by Isoniazid Is Not Due to a Disulfiram-Like Reaction Despite Aldehyde Dehydrogenase Inhibition.

Karamanakos PN, Pappas P, **Boumba V**, Vougiouklakis T, Marselos M.
Pharmacology **2016**;267-271.

12) A review of genetic alterations in the serotonin pathway and their correlation with psychotic disease and response to atypical antipsychotics

M. Baou, **V. A. Boumba***, P. Petrikis, G. Rallis, T. Vougiouklakis, V. Mavreas
Schizophrenia Research **2016**; 170: 18-29.

13) Survey of medico-legal investigation of homicide in the Region of Epirus (Northwest Greece)

Kleio Fragkouli, **Vassiliki Boumba**, Theodore Vougiouklakis,
Journal of Forensic and Legal Medicine **2016**; 37:39-44.

14) Impact of blood collection tubes on erroneous 1-propanol detection and on forensic ethanol analysis

V. A. Boumba*, T. Vougiouklakis
Journal of Forensic Toxicology and Pharmacology **2015**; 4(1)

15) Residues of selected polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) in postmortem lungs from Epirus, North-western Greece

G. N. Rallis, **V. A. Boumba***, V. A. Sakkas, K. Fragkouli, G. Siozios, T. A. Albanis, T. Vougiouklakis
Journal of Toxicology and Environmental Health, Part A, **2014**; 77:1-9.

16) Arrhythmogenic right ventricular cardiomyopathy and sudden death Case report

Fragkouli K, Mitselou A, **Boumba V**, Anagnostopoulou E, Soldatou K, Vougiouklakis T
Experimental and Clinical Cardiology **2014**; 20(7): 345-349.

17) Modeling microbial ethanol production by *E. Coli* under aerobic/anaerobic conditions: Applicability to real postmortem cases and to postmortem blood derived cultures.

Boumba VA*, Kourkoumelis N, Gousia P, Economou V, Papadopoulou C, Vougiouklakis T.
Forensic Science International **2013**; 232:191-98.

18) Fatal intoxications in a forensic autopsy material from Epirus, Greece, during the period 1998-2010.

Vassiliki A. Boumba*, Minas Georgiadis, Nikolae Mirescu, Theodore Vougiouklakis.
Journal of Forensic Sciences. **2013**; 58, Issue 2: 425-431

19) Forensic Toxicology in Greece of Crisis and Austerity

Sotiris Athanaselis, Nikos Raikos, **Vassiliki A. Boumba**, Manolis Tzatzarakis
TIAFT Bulletin **2012**; 42 (3): 7-12

20) Unusual death due to a bleeding from a varicose vein: a case report.

Fragkouli K, Mitselou A, **Boumba V**, Siozios G, Vougiouklakis G, Vougiouklakis T.
BMC Research Notes. **2012**, 5: 488

21) Patterns of the most abundant volatiles detected in post-mortem blood.

Boumba VA, Kourkoumelis N, Ziavrou K, Fragkouli K., Vougiouklakis T.
Romanian Journal of Legal Medicine. **2012**; 20: 101-104.

22) Determination of organochlorine pesticides and polychlorinated biphenyls in post-mortem human lung by matrix solid-phase dispersion with the aid of response surface methodology and desirability function

GN Rallis; V-A Sakkas; **VA Boumba**; T Vougiouklakis; TA Albanis,
Journal of Chromatography A **2012**; 1227:1-9.

- 23) Combined Intravenous Treatment with Ascorbic Acid and Desferrioxamine to Reduce Myocardial Reperfusion Injury in an Experimental Model Resembling the Clinical Setting of Primary PCI.
Chatziathanasiou GN, Nikas DN, Katsouras CS, Kazakos ND, **Bouba V**, Vougiouklakis T, Naka KK, Michalis LK.
Hellenic J Cardiol. **2012** 53(3):195-204.
- 24) Microbial ethanol production: Experimental study and multivariate evaluation.
Bouba VA*, Economou V, Kourkoumelis N, Gousia P, Papadopoulou C, Vougiouklakis T.
Forensic Science International **2012**; 215(1-3):189-98
- 25) An autopsy case of necrotizing eosinophilic myocarditis causing left ventricular wall rupture.
Fragkouli K, Mitselou A, **Bouba V**, Michalis L, Vougiouklakis T.
Forensic Science Medicine Pathology **2011**; 7 (4), pp. 350-354.
- 26) A comparison of the provisional clinical diagnosis of death with autopsy findings. T. Vougiouklakis, K. Fragkouli, A. Mitselou, **V. Boumba**,
Romanian Journal of Legal Medicine **2011**;19(3)177-182.
- 27) Mechanisms of interactions between ethyl alcohol and pharmaceutical substances
Karamanacos, P. , Pappas, P. , **Boumba, V.** , Vougiouklakis, T., Marselos, M.
Clinical Pharmacology and Pharmacokinetics, International Edition **2010**; 24(2):153-155
- 28) Children, adolescents and young adults suicide data from Epirus, North-Western Greece
Theodore Vougiouklakis, Christina Tsiligianni, **Vassiliki A. Boumba***.
Forensic Science, Medicine and Pathology. **2009**; 5(4): 269-273.
- 29) Fatal pulmonary peliosis without any other organ involvement in a young adult bodybuilder.
Vougiouklakis T, Mitselou A, Batistatou A, **Boumba V**, Charalabopoulos K.
Forensic Science International **2009**; 186(1-3): e13-16.
- 30) Effect of intravenous administration of antioxidants alone and in combination on myocardial reperfusion injury in an experimental pig model.
Nikas DN, Chatziathanasiou G, Kotsia A, Papamichael N, Thomas C, Papafaclis M, Naka K, Kazakos N, Milionis H, Vakalis K, Katsouras C, **Mpoumpa V**, Vougiouklakis T, Michalis L.
Current Therapeutic Research **2008**; 69 (5): 423-439
- 31) Biochemical Pathways Generating Postmortem Volatile Compounds Co-Detected During Forensic Ethanol Analyses (Type of publication)
Vassiliki A. Boumba*, Kallirroe S. Ziavrou, Theodore Vougiouklakis
Forensic Science International **2008**; 174(2-3):133-151.
- 32) Pharmaceutical agents known to produce disulfiram-like reaction: effects on hepatic ethanol metabolism and brain monoamines
Karamanacos PN and P Pappas, **VA Boumba**, C Thomas, M Malamas, T Vougiouklakis, M Marselos
International Journal of Toxicology **2007**; 26(5): 423-432.
- 33) Weekday on- weekend off oral capecitabine: A Phase I study of a continuous schedule better simulating protracted fluoropyrimidine therapy.

G. Pentheroudakis, P. Pappas, V. Golfopoulos, G. Fountzilias, M. Nikolaidou, **V.A. Boumba**, T. Vougiouklakis, L. Nikiforidis, E. Tzamakou, O. Siarabi, M. Marselos, N. Pavlidis

Cancer Chemotherapy and Pharmacology **2007**; 60(5): 733-739.

34) Fatal poisonings in the region of Epirus, Greece, during the period 1998-2004.

Vougiouklakis, T, **Boumba, V.A.**, Mitselou, A.

Journal of Clinical Forensic Medicine **2006**; 13: 321-325.

35) Hair as a Biological Indicator of Drug Use, Drug Abuse or Chronic Exposure to Environmental Toxicants.

Vassiliki A. Boumba, Kallirro S. Ziavrou, and Theodore Vougiouklakis

International Journal of Toxicology **2006**; 25: 143-163.

36) Evaluation of the methods used for carboxyhemoglobin analysis in post mortem blood.

Vassiliki A Boumba, Theodore Vougiouklakis

International Journal of Toxicology **2005**; 24: 275-281.

37) Insights into the origin of post mortem ethanol.

Ziavrou, Kallirro; **Boumba, Vassiliki A.** Vougiouklakis, Theodore G.

International Journal of Toxicology **2005**; 24: 69-77.

38) Trends in suicide mortality in the deprived region of Epirus (north-west Greece) during the period 1998-2002.

Vougiouklakis T, **Boumba V.A.** Mitselou A, Peschos D, Gerontopoulos K.

Medicine, Science, and the Law **2005**; 45: 39-46.

39) Content of the HMG-17 chromosomal protein in porcine tissues.

Boumba Vassiliki A. Seferiadis Konstantin, Vougiouklakis Theodore.

Protein and Peptide Letters **2004**; 11: 515-519.

40) Fatal poisoning from ingestion of *Datura Stramonium* seeds.

V.A. Boumba, A. Mitselou, T. Vougiouklakis:

Veterinary and Human Toxicology **2004**; 46: 81-82.

41) Proteolysis in teleme cheese made from ewes, goats or mixture of ewes and goats milk.

Malatou H., Pappa E., **Boumba V.A.**

International Dairy Journal **2004** ; 14: 977-987.

42) Immunohistochemical Study of Thyroid Lesions Using S-100 Protein, Epithelial Membrane Antigen, Cytokeratin and Cardioembryonic Antigen.

A. Mitselou, T. Vougiouklakis, D. Peschos, P. Dallas, **V. Boumba**, N. Agnantis.

Anticancer Research **2002**; 22: 1777-1780.

43) Rabbit anti-HMG-17 Antibodies Recognize Similar Epitopes on the HMG-17 Molecule as Lupus Autoantibodies. Relation with Histone H1 Defined Epitopes.

Boumba V.A., Seferiadis K.:

Journal of Peptide Science **2002**; 8(12): 683-694.

44) Composition and nutritional value of commercial dried whey products from feta cheese manufacture.

Boumba V.A., Voutsinas L.P., Philipopoulos C.D.

International Journal of Dairy Technology **2001**; 54: 141-145.

45) Autopsy findings in clinically normal thyroids, with emphasis in Occult Thyroid Carcinoma. A study in Northwestern Greek population.

A. Mitselou, T. Vougiouklakis, D. Peschos, **V.A. Boumba**, N. J. Agnantis.
Romanian Journal of Endocrinology and Metabolism **2001**; 1(1): 63-70.

46) Autoantibodies to HMG-17 Nucleosomal Protein in Patients with Scleroderma.

Vlachoyiannopoulos PG, **Boumba VA**, Tzioufas AG, Seferiadis K, Tsolas O, Moutsopoulos HM

Journal of Autoimmunity **1994**; 7: 193-201.

47) Autoantibodies to HMG-17 nucleosomal protein in autoimmune diseases: correlation with systemic lupus erythematosus clinical activity and antibodies to double stranded DNA.

Tzioufas AG, **Boumba VA**, Seferiadis K, Tsolas O, Moutsopoulos HM.
Arthritis Rheumatism **1993**; 36: 955-961.

48) Isolation by a new method and sequence analysis of chromosomal HMG-17 protein from porcine thymus.

Boumba VA, Tsolas O, Choli-Papadopoulou D, Seferiadis K.

Archives of Biochemistry and Biophysics **1993**; 303: 436-442.

SHORT PUBLICATIONS - ABSTRACTS FROM CONGRESS PROCEEDINGS PUBLISHED IN PEER-REVIEWED JOURNALS

1. External-cause mortality in young people aged 10-24 years during 1998-2016 in Epirus, Greece. George T. Vougiouklakis, Kleio Fragkouli, Theodore Vougiouklakis, **Vassiliki A. Boumba**
Forensic Science International 2017; 177 (S1): 4.

2. Presence of ethanol in suicidal deaths: a 12 year study in Epirus, North-western Greece.

V. Boumba*, K. Fragkouli, T. Vougiouklakis

Toxicchem Krimtech - Toxicologische und Forensische Chemie **2010**; 77(3): 255.

3. Microbial ethanol production: experimental study and multivariate evaluation.

V. Boumba*, V. Oikonomou, P.Gousia, C.Papadopoulou, T. Vougiouklakis

Toxicchem Krimtech - Toxicologische und Forensische Chemie **2010** ; 77(3) : 256.

4. Patterns of volatile detected during forensic ethanol analysis in autopsy blood samples from violent deaths. **V. A. Boumba***, K. Ziavrou, T. Vougiouklakis.

Annales de Toxicologie Analytique **2009**;21: s145.

5. Patterns of volatiles detected during forensic ethanol analysis: A preliminary study in autopsy blood samples.

Vassiliki Boumba*, Kallirroe Ziavrou, Varvara Manti, Theodore Vougiouklakis

Toxicology Letters **2008**; 180S: s230-s231.

6. Purification, and sequence of the porcine high mobility nuclear protein 17 (HMG-17). Autoantibodies directed against it are found in autoimmune rheumatic diseases and correlated with SLE disease activity.

Tzioufas AG, **Boumba VA**, Seferiadis K, Tsolas O, Moutsopoulos HM.

Clinical Rheumatology **1992**; 11(1):135.

7. Autoantibodies to high mobility nuclear protein 17 (HMG-17) in autoimmune rheumatic diseases. Correlation with SLE disease activity and anti-DNA levels.

Tzioufas AG, **Boumba VA**, Seferiadis K, Tsolas O, Moutsopoulos HM.

Lupus **1992**; 1(1):128.

8. Autoantibodies to nucleosomal non-histone protein HMG-17 are correlated with systemic lupus erythematosus disease activity and anti-ds-DNA antibodies.

Tzioufas AG, **Boumba VA**, Seferiadis K, Tsolas O, Moutsopoulos HM.

ABSTRACTS IN PROCEEDINGS OF INTERNATIONAL CONFERENCES

- 1) Vassiliki A. Boumba*, Nikolaos Kourkoumelis, Glykeria Velivasi, Kallirroï Ziavrou and Theodore Vougiouklakis. Estimating a reliable cut-off point of 1-propanol in postmortem blood as marker of microbial ethanol production. 56th Annual Meeting of the International Association of Forensic Toxicologists (TIAFT 2016), August 26- 30, 2016, Gent Belgium..
- 2) Velivasi G, Boumba V Microbial ethanol production models and applicability to real postmortem cases. TIAFT Regional Meeting, 2018, Athens, May 16-17 2018, Greece. Oral Presentation (OP2)
- 3) Boumba V, Di Rago M, Peka M, Drummer O, Gerostamoulos D. Screening human hair for 132 Novel Psychoactive Substances (NPS) by tandem LC/MS: trends and challenges. TIAFT Regional Meeting, 2018, Athens, May 16-17 2018, Greece. *Oral Prsentation (OP4)*.
- 4) Mitselou A, Kousi C, Boumba V, Mylonakis P, Voygiouklakis T. Sudden death in chronic alcoholic intoxication case report. TIAFT Regional Meeting, 2018, Athens, May 16-17 2018, Greece. P4
- 5) Boumba V, Rallis G, Vougiouklakis T. Suicide by poisoning from ingestion of the pyrethroids alpha-cypermethrin and deltamethrin and the antidepressant mirtazapine: a case report. TIAFT Regional Meeting, 2018, Athens, May 16-17 2018, Greece. P23
- 6) Matthew Di Rago, Melissa Peka, Olaf H. Drummer, Dimitri Gerostamoulos, **Vassiliki A. Boumba**. Analysis of 132 novel psychoactive substances (NPS) by tandem LC/MS in hair. *Forensic and Clinical Toxicology Association (FACTA) 2017, November 19-22, 2017, Melbourne, Australia. Oral Prsentation (OP17)*.
- 7) **Vassiliki A. Boumba**, Matthew Di Rago, Melissa Peka, Olaf H. Drummer, Dimitri Gerostamoulos. A new method for human hair analysis of 132 various types of novel psychoactive substances (NPS) by tandem LC/MS. *SOFT/TIAFT 2017 Annual Meeting, Boca Raton, Florida*.
- 8) P. Petrikis, P. Voulgari, **V. Boumba**, D. Archimandriti, P. Skapinakis, V. Mavreas. Changes in the Cytokine Profile in First-Episode, Drug-Naïve Patients With Psychosis After Short-Term Antipsychotic Treatment. *European Congress of Psychiatry (EPA) 2017, April 1-4, Florence, Italy. Poster – EW0768*.
- 9) Georgios N. Rallis and **Vassiliki A. Boumba***. A simple Ultra High Performance Liquid Chromatography- Diode Array Detection (UHPLC-DAD) method for the determination of agomelatine in human plasma and serum. *54nd Annual Meeting of The International Association of Forensic Toxicologists (TIAFT 2016), August 28- September 1, 2016, Brisbane, Australia*.
- 10) **Vassiliki A. Boumba***, Georgios N. Rallis, Theodore Vougiouklakis. Poisoning suicide with ingestion of the pyrethroids alpha-cypermethrin and deltamethrin and the antidepressant mirtazapine: a case report. *54nd Annual Meeting of The International Association of Forensic Toxicologists (TIAFT 2016), August 28- September 1, 2016, Brisbane, Australia*.
- 11) P. Petrikis, S. Tigas, **V. Boumba**, A. Tzallas, I. Papadopoulos, P. Skapinakis, T. Vougiouklakis, V. Mavreas. Measures of glucose and lipid metabolism at the fasted state in

drug-naive patients with psychosis; evidence for insulin resistance. *5th European Conference on Schizophrenia Research (ECSR) 24 – 26 September 2015. Berlin, Germany.*

12) E. Trantopoulos, V. Boti, **V. A. Boumba**, T. Albanis. Matrix solid-phase dispersion for the determination of antidepressants and antipsychotics in human hair by LC- Hybrid LTQ Orbitrap MS. *9th International Conference on "Instrumental Methods of Analysis-Modern Trends and Applications", 20-24 September 2015, Kalamata Greece.*

13) **Vassiliki A. Boumba***, Georgios Rallis, Petros Petrikis, Venetsanos Mavreas, Theodoros Vougiouklakis. Simultaneous determination of bupropion, citalopram, fluvoxamine and sertraline in human serum by GC/MS with solid-phase extraction. *53rd Annual Meeting of The International Association of Forensic Toxicologists (TIAFT 2015), August 30- September 4, 2015, Firenze, Italy.*

14) **Vassiliki A. Boumba**. Feasibility in the estimation of the microbially produced ethanol in postmortem cases by mathematical models. *53rd Annual Meeting of The International Association of Forensic Toxicologists (TIAFT 2015), August 30- September 4, 2015, Firenze, Italy.*

15) **Vassiliki A. Boumba***, Petros Petrikis, Georgios Rallis, Maria Baou, Theodoros Vougiouklakis, Venetsanos Mavreas. Monitoring Antipsychotic Drugs in Psychiatric Patients from Epirus, northwestern Greece. *12th World Congress of Biological Psychiatry 14 - 18 June 2015, Athens, Greece.*

16) Kleio Fragkouli, Antigoni Mitselou, **Vassiliki Boumba**, Theodore Vougiouklakis. Survey of medico - legal investigation of homicide in the Region of Epirus (Northwest Greece). *23rd Congress of the International Academy of Legal Medicine 2015, Dubai, United Arab Emirates. January 19-21 2015.*

17) **Vassiliki A. Boumba***, Theodore Vougiouklakis. Blood alcohol analysis (BAC) in living subjects and the impact of the sampling tubes to the interpretation of the origin of ethanol. *52nd Annual Meeting of The International Association of Forensic Toxicologists (TIAFT 2014), November 9-13, 2014, Buenos Aires, Argentina.*

18) **Vassiliki A. Boumba***, Georgios Rallis, Petros Petrikis, Venetsanos Mavreas, Theodoros Vougiouklakis. A simple methodology for the determination of clomipramine, mirtazapine, venlafaxine, clozapine, haloperidol and olanzapine in human serum using SPE - GC/MS. *52nd Annual Meeting of The International Association of Forensic Toxicologists (TIAFT 2014), November 9-13, 2014, Buenos Aires, Argentina.*

19) Rallis, Georgios; **Boumba, Vassiliki***; Sakkas, Vassilios²; Fragkouli, Kleio¹; Siozios, Georgios¹; Albanis, Triantafyllos²; Vougiouklakis, Theodore. Organochlorine pesticides and polychlorinated biphenyls in autopsy lungs from Epirus, Greece. *8th Europest Congress. Ioannina 18-20 September 2014.*

20) **Vassiliki A. Boumba***, Petros Petrikis, Venetsanos Mavreas, Theodoros Vougiouklakis. Steps for the development of a therapeutic drug monitoring program for measuring plasma levels of antipsychotic and anti-depressant drugs of psychiatric patients in Epirus – Greece. *International Association of Therapeutic Drug Monitoring and Clinical Toxicology European Conference, August 28-30, 2014, Prague, Czech Republic.*

21) **Boumba, Vassiliki***; Kourkoumelis, Nikolaos; Gousia, Panagiota; Papadopoulou, Chrissanthi; Vougiouklakis, Theodore. Modeling Microbial Ethanol Production by *E. coli* under aerobic/ anaerobic conditions: Experimental Study, Multivariate Evaluation and Study of Postmortem Cases. *51st Annual Meeting of The International Association of Forensic Toxicologists (TIAFT 2013), September 2-6, 2013, Funchal, Madeira / Portugal.*

22) Rallis, Georgios; **Boumba, Vassiliki***; Sakkas, Vassilios; Fragkouli, Kleio; Siozios, Georgios; Albanis, Triantafyllos; Vougiouklakis, Theodore. Residues of persistent organochlorine pollutants (POPs) in human lungs from autopsy cases in Epirus, North-Western Greece. *51st Annual Meeting of The International Association of Forensic Toxicologists (TIAFT 2013), September 2-6, 2013, Funchal, Madeira / Portugal.*

- 23) K. Fragkouli, A. Mitselou, **V. Boumba**, T. Vougiouklakis: "Postmortem investigation of Sudden Cardiac Death in the young: A 15-year analysis in the region of Epirus, Greece." 1st Pancyprian Congress of Pathology, 25 – 27 October 2013: Limassol, Cyprus.
- 24) **Vassiliki A. Boumba***, Theodore Vougiouklakis. Use and limitation of models for microbial ethanol production in post-mortem cases. *SOFT - TIAFT Joint Meeting in San Francisco, September 25-30, 2011. Poster Nr 125.*
- 25) **Vassiliki A. Boumba***, Theodore Vougiouklakis. Poisoning deaths in the Region of Epirus, North-Western Greece during the period 1998-2010. *SOFT - TIAFT Joint Meeting in San Francisco, September 25-30, 2011. Poster Nr 142.*
- 26) **V. A. Boumba***, N.Kourkoumelis, T. Vougiouklakis. Application of the mathematical models for microbial ethanol production in post-mortem cases. 19th IAFS ; 9th WPMO Triennial Meeting; 5th MAFS in Funchal, Madeira, Portugal, September 12-17, 2011.
- 27) C. Fragkouli, G. Passalis, C. Kousi, **V.A.Boumba**, T. Vougiouklakis. Pattern of unnatural death during a 13-year period in the region of Epirus, Greece. 19th IAFS ; 9th WPMO Triennial Meeting; 5th MAFS in Funchal, Madeira, Portugal, September 12-17, 2011. *Poster.*
- 28) **Vassiliki A. Boumba***, Vangelis Economou, Nikolaos Kourkoumelis, Panagiota Gousia, Chrissanthy Papadopoulou, Theodore Vougiouklakis. Microbial ethanol production: Experimental study and multivariate evaluation *TIAFT – GTFCh Meeting in Bonn, August 29 – September 2, 2010. Poster Nr 165 - Toxicchem Krimtech 2010; 77(3): 256*
- 29) **Vassiliki A. Boumba***, Kleo Fragkouli, Theodore Vougiouklakis. Presence of ethanol in suicidal deaths: a 12 year study in Epirus, North-western Greece. *TIAFT – GTFCh Meeting in Bonn, August 29 – September 2, 2010. Poster Nr 163 Toxicchem Krimtech 2010; 77(3): 255*
- 30) **V. A. Boumba***, K. Ziavrou, T. Vougiouklakis. Patterns of volatile detected during forensic ethanol analysis in autopsy blood samples from violent deaths. *TIAFT Congress, Geneva, Switzerland 23-27 August 2009. Poster- Annales de Toxicologie Analytique 2009; 1(S1): 45.*
- 31) **V. A. Boumba***, T. Vougiouklakis. Patterns of volatile detected during forensic ethanol analysis in autopsy blood samples from sudden deaths. *XXI Congress of the International Academy of Legal Medicine, Lisbon, Portugal 28-30 May 2009. Poster.*
- 32) C. Fragkouli, G. Siozios, **V. A. Boumba**, T. Vougiouklakis. Evaluation of infant, children and adolescent deaths in the region of Epirus, Greece. *XXI Congress of the International Academy of Legal Medicine, Lisbon, Portugal 28-30 May 2009. Poster.*
- 33) **V. A. Boumba***, K. Ziavrou, V. Manti, T. Vougiouklakis. Patterns of volatile compounds co-detected during forensic ethanol analysis: a preliminary study. *45th Congress of the European Societies of Toxicology, Rhodes, Greece, 5-8 October 2008. Poster-Toxicology Letters 2008; 180S: s230-s231.*
- 34) Th. Vougiouklakis, **V. A. Boumba**, A. Mitselou. Fatal poisonings in the region of Epirus, Greece, during the period 1988-2004. *17th Meeting of the International Association of Forensic Sciences. Hong Kong, China, 2005.*
- 35) **V.A. Boumba***, A. Mitselou, T. Vougiouklakis. Poisoning deaths in the region of Epirus, Greece, during the period 1998-2004. *4th Conference of the German-Greek Academy for Biomedical Research, Ioannina, 2005. .*
- 36) T.G.Vougiouklakis, **V.A. Boumba**: Characteristics of suicide mortality in the region of Epirus (North-Western Greece), during the period 1998-2001. *2nd Conference of the German-Greek Academy for Biomedical Research, Colymbari, Crete 5-7 October 2003.*
- 37) **V.A. Boumba***, T.G.Vougiouklakis. Evaluation of pesticide toxicity for human health. *2nd European Conference on Pesticides and Related Organic Micropollutants in the Environment, Corfu, September 26-29, 2002.*

38) Tzioufas,A.G., **Boumba,V.A.**, Seferiadis,K., Tsolas,O., Moutsopoulos, H.M.: “Autoantibodies to nucleosomal non-histone protein HMG-17 are correlated with systemic lupus erythematosus disease activity and anti-ds-DNA antibodies”. *Annual Conference of the American Society of Rheumatology September 1992. Arthritis Rheumatism*, 1992; 35: 5214.

39) Tzioufas,A.G., **Boumba,V.A.**, Seferiadis,K., Tsolas,O., Moutsopoulos, H.M.: "Autoantibodies to high mobility nuclear protein 17 (HMG-17) in autoimmune rheumatic diseases. Correlation with SLE disease activity and anti-DNA levels". 3rd International Conference on Systemic Lupus Erythematosus, *London, April 13-15, 1992. Poster. Lupus* 1992; 1(1):128.

40) Tzioufas AG, **Boumba VA**, Seferiadis K, Tsolas O, Moutsopoulos HM. “Purification, and sequence of the porcine high mobility nuclear protein 17 (HMG-17). Autoantibodies directed against it are found in autoimmune rheumatic diseases and correlated with SLE disease activity”. XIIth European Workshop for Rheumatology Research. Annhem, The Netherlands, March 12-15, 1992. *Poster. Clinical Rheumatology* 1992; 11(1) 135.

LIST OF FULL PUBLICATIONS

A/A	ΤΙΤΛΟΣ ΠΕΡΙΟΔΙΚΟΥ	Έτος	1 ^{ος} συγγ.	2 ^{ος} συγγ.	Συγγ. Αλληλ.	IF - Συντ. Απηχ.	Αναφ /citat
1.	Journal of Forensic Sciences and Medicine	2019	X		X		
2.	Current Psychopharmacology	2019	X		X	-	
3.	Romanian Journal of Legal Medicine	2018	X		X	0.108	
4.	Forensic Science International	2017	X		X	1.989	14
5.	Psychiatry Research	2017				2.528	
6.	TIAFT Bulletin	2017	X			-	
7.	Forensic Science International	2016	X		X	1.989	11
8.	Journal of Chromatography B	2016	X		X	2.603	8
9.	Psychiatry Research	2016		X		2.528	
10.	Annals of Chromatography and Separation Techniques	2016		X	X	-	
11.	Pharmacology	2016				1.533	
12.	Journal of Forensic and Legal Medicine	2016		X		1.135	2
13.	Schizophrenia Research	2016		X	X	3.986	14
14.	Journal of Forensic Toxicology & Pharmacology	2015	X		X	-	
15.	Journal of Toxicology and Environmental Health	2014		X	X	2.731	4
16.	Experimental and Clinical Cardiology	2014				0.610	1
17.	Forensic Science International	2013	X		X	1.989	5
18.	Journal of Forensic Sciences	2013	X		X	1.234	3
19.	TIAFT Bulletin	2012				-	
20.	BMC Research Notes	2012				-	5
21.	Journal of Chromatography A	2012				3.981	45
22.	Forensic Science International	2012	X		X	1.989	17
23.	Romanian Journal of Legal Medicine	2012	X		X	0.108	5
24.	Hellenic Journal of Cardiology	2012				1.343	6

25.	Forensic Science, Medicine and Pathology	2011				1.842	3
26.	Romanian Journal of Legal Medicine	2011				0.108	2
27.	Reviews of Clinical Pharmacology and Pharmacokinetics, International Edition	2010				0.06	
28.	Forensic Science International	2009				1.989	9
29.	Forensic Science, Medicine and Pathology	2009			X	1.842	10
30.	Forensic Science International	2008	X		X	1.989	37
31.	Current Therapeutic Research	2008				1.580	3
32.	Toxicology Letters	2008	X		X	3.858	1
33.	Cancer Chemotherapy and Pharmacology	2007				2.737	6
34.	International Journal of Toxicology	2007				1.205	39
35.	International Journal of Toxicology	2006	X			1.205	95
36.	Journal of Forensic and Legal Medicine (former Journal of Clinical Forensic Medicine)	2006		X		1.135	25
37.	International Journal of Toxicology	2005	X			1.205	16
38.	International Journal of Toxicology	2005		X		1.205	21
39.	Medicine, Science, and the Law	2005		X		0.510	24
40.	International Dairy Journal	2004				2.067	31
41.	Protein and Peptide Letters	2004	X			0.964	4
42.	Veterinary and Human Toxicology	2004	X			0.660	30
43.	Journal of Peptide Science	2002	X			1.972	4
44.	Anticancer Research	2002				1.656	12
45.	International Journal of Dairy Technology	2001	X			0.930	7
46.	Romanian Journal of Endocrinology and Metabolism	2001				--	
47.	Journal of Autoimmunity	1994		X		7.641	10
48.	Arthritis and Rheumatism	1993		X		8.955	17
49.	Archives of Biochemistry and Biophysics	1993	X			3.165	11
Άθροισμα			19	11	15	94.038	601

LIST of Short PUBLICATIONS

A/A	Journal Name	No	IF
1.	Arthritis and Rheumatism	1	7.871
2.	Toxicology Letters	1	3.355
3.	Lupus	1	2.481
4.	Clinical Rheumatology	1	1.774
5.	Toxichem Krimtech	1	-
6.	Toxichem Krimtech	2	-
7.	Annales de Toxicologie Analytique	1	-

	Αθροισμα:	7	15.481
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