

1st

EUROPEAN CONFERENCE ON PESTICIDES AND  
RELATIVE ORGANIC MICROPOLLUTANTS  
IN THE ENVIRONMENT

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**5 - 8 October 2000**  
**Ioannina, Greece**

Analytical Techniques  
Agricultural Products Quality  
Restoration Techniques of the  
Environment

Residue Levels in Environment  
Toxicity and Health Effects  
Transportation and Distribution Models  
in the Environment

*SECOND ANNOUNCEMENT*

**For the 1<sup>st</sup> European Conference**  
**Pesticides and Relative Organic Micropollutants in the Environment**

Υπό την Αιγίδα / Under the High Patronage of the

Υ.Π.Ε.ΧΩ.Δ.Ε.

HELLENIC MINISTRY FOR THE ENVIRONMENT, PHYSICAL PLANNING AND PUBLIC WORKS

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GREEK CHEMIST ASSOCIATION- DEPARTMENT OF EPIRUS CORFOU AND LEFKAS ISLANDS

ΧΕΛΛΑΦΑΡΜ Α.Ε.  
HELLAFARM S.A.

## INVITATION

The European Symposium concerning the pesticides in the environment is organized for the first time by the Laboratory of Industrial Chemistry of the Chemistry Department of the University of Ioannina, by the organizing Department of Agricultural Exploitations and Management of the Agrinio University and by the Applied Agro-Ecology Department, University of Ioannina. The works of the Symposium will take place on 5 to 8 October 2000, in Ioannina, Greece.

This meeting concerning scientists interested on pesticides and the environment aims to exchange ideas and to be informed on a particularly serious problem concerning the quality of the natural environment and life.

We look forward to welcoming you in Ioannina in October 2000.

## Oral Presentations

Oral presentations will be held according to the mini-program displayed below. Presentations will be given a time frame of 20 minutes and 10 minutes will be devoted to questions and discussion. The session chair and moderator will ensure that symposium speakers do not take more than the devoted thirty minutes of the program.

### Program displayed

	Thursday October 5, 2000	Friday October 6, 2000	Saturday October 7, 2000	Sunday October 8, 2000
9.00-10.00	Registration 9.00-10.30	Session B 9.00-11.00 (Analytical Techniques)	Session E 9.00-11.00 (Restoration Techniques)	Session G 9.00-11.00 (Transportation and Distribution in Environment)
10.00-11.00	Official opening 10.30-11.30			
11.00-12.00	Plenary lectures 11.30-12.30	Session C 11.40-13.20 (Environmental Effects and Toxicity)	Poster Session P2 11.00-12.00	Poster Session P2 11.00-12.00
12.00-13.00				
13.00-14.00			Session F 12.00-14.00 (Pesticide Residues in Soil and Cultivation Systems)	Session H 12.00-13.30 (General)
14.00-15.00	Poster Session P1 14.00-15.30	Poster Session P1 14.30-16.00		Closing of the Conference
15.00-16.00				
16.00-17.00	Session A 15.30-19.00 (Analytical Techniques)	Session D 16.00-19.00 (Pesticide Levels and Behaviour in the environment)		
17.00-18.00				
18.00-19.00				
19.00-20.00				
20.00-21.00			Social Dinner 20.00-	
21.00-				

**Your Symposium Organiser**

*1<sup>st</sup> European Conference On Pesticides and Relative Organic Micropollutants In The Environment  
5-8 October 2000, Ioannina, Greece*

**Instructions for the Poster Presentation**

The poster boards will be of approximately 1.2 m high and 0.9 m.wide. Some recommendations are suggested to poster presenters:

- Hand written posters are not acceptable
- Posters should be self-explanatory, even in the absence of the author. You are advised to include the purpose, methods, results and conclusions.
- All tables and figures should be given a caption (brief title, key words) and axes should be clearly labelled.
- Whenever use colours for emphasis and distinction.
- Please avoid typewritten material which is unreadable from a reasonable distance. We strongly suggest a minimum size of the smallest letters of 8 mm (28 point) for the text, 17 mm (72 point) for headings, and a line thickness of about 1 mm.

**Location of Poster display:**

Posters will be displayed in the coffee break area, very close to all conference rooms. All coffee breaks will take place in the poster display area in order to encourage the maximum interaction among symposium attendees.

Discussions will be encouraged during all coffee breaks organised in the poster display area.

**PAPER SUBMISSION**

Authors are invited to submit by post of preferably by e-mail an extended abstract up to 4-pages. Abstracts should be sent to the secretariat of the Conference.

**IMPORTANT DEADLINES**

Submission of extended abstracts (4 pages)	June 10, 2000
Final acceptance	June 30, 2000
Early Registration and payment	September 5, 2000

**REGISTRATION FEES**

Registration fee includes admission to the sessions, the book of abstracts, the congress kit, lunches, coffee breaks and the Farewell party.

	<b>Before September 5<sup>th</sup>, 2000</b>	<b>After October 1<sup>st</sup>, 2000</b>
Authors	35000 GDR \$ 110	40000 GDR \$ 125
Participants	40000 GDR \$ 125	45000 GDR \$ 140
Students	15000 GDR \$ 60	20000 GDR \$ 80

## LANGUAGE

The official languages of the Conference are English and Greek. Translation will be provided from Greek to English. All works deposited in Greek is necessary to provide a resume in English. (The opposite is desired but not necessary).

## ACCOMMODATION

Accommodation will be arranged in different category hotels. A list of hotels and estimated prices is given below. Contact information could be sent upon request.

	Single room	Double room	
Hotel Du Lac (****)	20,000	29,000	(GDR)
Epirus Palace (*****)	17,000	25,000	(GDR)
Hotel Olympic (C class)	17,000	21,000	(GDR)
Hotel Palladium (B class)	12,000	18,000	(GDR)

Hotels and Flights are available through the travel agency AMEL TRAVEL (Ms. Amalia Tsoukali)  
**Phone:** +30-651-79111, **Fax:** +30-651-79229, **e-mail:** [ameltr@ameltravel.com.gr](mailto:ameltr@ameltravel.com.gr)

## PLACE AND DATE

The 1<sup>st</sup> European Conference on *Pesticides and Relative Organic Micropollutants in the Environment* will be held in Ioannina, at the hotel *Du Lac*, **5 to 8 October 2000**.

## INFORMATION ON PARTICIPATION

To declaring your participation, you have to send the participation bulletin.

## PAYMENT

Payment will be made by bank deposit to the **NATIONAL BANK OF GREECE**, sort code 359, bank account number: **359-778913**. (Address: Averof str. 1, Ioannina 45332, Greece)  
Participants are kindly requested to send us by fax the deposit slip.

## INSTRUCTIONS TO AUTHORS

Abstracts for both oral (occupy no more than four printed pages) and Poster (occupy no more than four printed pages) presentation should be prepared in English or Greek. In the case of Greek contribution a summary in English is necessary. Abstracts should be submitted in Microsoft Word Version 6.0 (or later), using Times New Roman fonts, justified alignment and single spacing throughout. Figures, schemes, tables and figure captions should be embedded in the text body.

Abstracts should started with a concise title (capital, bold, 14pt), name(s) of author(s) (bold, 10pt., indicate up to 6 authors' names; if more than 6 indicate "et al."), address of author(s) ( bold, 10pt.) and a summary not exceeding 15 lines. Headers: (capital, bold, left alignment, 11pt.). Sub-headers (Bold, left alignment, 11pt.).

A suggested structure of the abstract includes Introduction, Materials-Methods, Results and Discussion, Conclusions and References. The references should be collected at the end of the abstract, numbered in the order of their appearance in the text and not alphabetically. Reference numbers in the text are set in square brackets on the line, e.g. [1].

**SECRETARIAT**

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**PROCEEDINGS OF THE 1<sup>st</sup> EUROPEAN CONFERENCE  
ON PESTICIDES AND RELATED ORGANIC MICROPOLLUTANTS IN  
THE ENVIRONMENT**

**ΠΡΑΚΤΙΚΑ 1<sup>ου</sup> ΕΥΡΩΠΑΪΚΟΥ ΣΥΝΕΔΡΙΟΥ:  
ΦΥΤΟΦΑΡΜΑΚΑ ΚΑΙ ΣΥΝΑΦΕΙΣ ΟΡΓΑΝΙΚΕΣ ΕΝΩΣΕΙΣ  
ΣΤΟ ΠΕΡΙΒΑΛΛΟΝ**

EDITOR : T.A. ALBANIS

ΕΚΔΟΣΗ : Τ.Α. ΑΛΜΠΑΝΗΣ

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DEPARTMENT OF ORGANIZATION  
AND MANAGEMENT OF AGRICULTURAL  
RESOURCES

ΙΩΑΝΝΙΝΑ  
5-8 ΟΚΤΩΒΡΙΟΥ 2000

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και των

ΓΕΝΙΚΗΣ ΓΡΑΜΜΑΤΕΙΑΣ ΕΡΕΥΝΑΣ ΚΑΙ ΤΕΧΝΟΛΟΓΙΑΣ

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<http://liaison.admin.uoi.gr/pesticonf.doc>

## ΠΡΟΛΟΓΟΣ ΕΚΔΟΤΗ

Το «1ο Ευρωπαϊκό Συνέδριο Φυτοφαρμάκων και Συναφών Οργανικών Ενώσεων στο Περιβάλλον» διοργανώνεται για πρώτη φορά από το Εργαστήριο Βιομηχανικής Χημείας του Τμήματος Χημείας του Πανεπιστημίου Ιωαννίνων, το Τμήμα Οργάνωσης και Διαχείρισης Αγροτικών Εκμεταλλεύσεων της Πανεπιστημιακής Σχολής Αγρινίου και το ΠΣΕ Εφαρμοσμένης Αγρο-Οικολογίας του Πανεπιστημίου Ιωαννίνων. Οι εργασίες του Συνεδρίου έλαβαν χώρα στα Ιωάννινα στις 5-8 Οκτωβρίου 2000.

Το 1<sup>ο</sup> Ευρωπαϊκό Συνέδριο εστιάζει το ενδιαφέρον του στην τρέχουσα και πρόσφατη έρευνα στην φυσικοχημική και βιολογική συμπεριφορά και τύχη των φυτοφαρμάκων και των συναφών οργανικών ενώσεων στο περιβάλλον. Σημαντικό τομέα για το συνέδριο αποτελούν οι νέες τεχνικές ανάλυσης των υπολειμμάτων των φυτοφαρμάκων στο περιβάλλον και τα γεωργικά προϊόντα καθώς και οι τεχνικές προστασίας και αποκατάστασης του περιβάλλοντος. Οι εργασίες του συνεδρίου συγκέντρωσαν το ενδιαφέρον επιστημόνων από τον ελληνικό και διεθνή χώρο που δραστηριοποιούνται ερευνητικά στον τομέα των φυτοφαρμάκων και του περιβάλλοντος και συμμετείχαν στην ανταλλαγή απόψεων και ιδεών στα σοβαρά προβλήματα της ποιότητας του φυσικού περιβάλλοντος και της ζωής.

Όλα τα άρθρα των εργασιών του συνεδρίου περιέχονται σ' αυτόν τον τόμο. Συνολικά υπάρχουν 94 άρθρα εκ των οποίων 54 είναι εργασίες προφορικών παρουσιάσεων και 40 ανητημένες εργασίες. Τα άρθρα του συνεδρίου έχουν καταταχισθεί στις παρακάτω 7 θεματικές ενότητες :

1. Τεχνικές Ανάλυσης και Αποτίμησης
2. Τοξικότητα και Επιπτώσεις στο περιβάλλον
3. Επίπεδα των φυτοφαρμάκων και η συμπεριφορά τους στο Περιβάλλον
4. Τεχνικές Προστασίας και Αποκατάστασης του Περιβάλλοντος
5. Υπολείμματα των Φυτοφαρμάκων στο Έδαφος και τα Γεωργικά Προϊόντα
6. Μοντέλα Μεταφοράς και Κατανομής των φυτοφαρμάκων στο Περιβάλλον
7. Φυτοφάρμακα στα Οικοσυστήματα - Κανονισμοί και Ρυθμίσεις Προστασίας του Περιβάλλοντος

Θερμές ευχαριστίες εκφράζονται:

- Στους συγγραφείς των εργασιών, για την προσφορά των γνώσεων τους
- Στους κριτές των εργασιών, που συνετέλεσαν στην υψηλή επιστημονική στάθμη του συνεδρίου
- Στους χορηγούς, για την οικονομική τους υποστήριξη
- Σε όλους τους συνέδρους για την ενεργό συμμετοχή τους στην ανταλλαγή γνώσεων, που αποτελεί την ουσία κάθε συνεδρίου

Ιωάννινα, Οκτώβριος 2000

Τριαντάφυλλος Αλμπάνης  
Τομέας Βιομηχανικής Χημείας και Χημείας Τροφίμων  
Τμήμα Χημείας  
Πανεπιστήμιο Ιωαννίνων  
Ιωάννινα 45110

## EDITOR PREFACE

The “1<sup>st</sup> European Conference on Pesticides and Related Organic Micropollutants in the Environment” was organised by the Laboratory of Industrial Chemistry of the Chemistry Department of the University of Ioannina. The Conference was co-organised by the Department of Organisation and Management of Agricultural Resources at Agrinio as well as by the ESP Department of Applied Agro-Ecology, University of Ioannina. The works of the Symposium took place at the Hotel Du Lac in Ioannina (Greece) from October 5 to 6, 2000.

The 1<sup>st</sup> European Conference reviewed current and recent research on many aspects of physicochemical, biological processes controlling the behaviour and fate of pesticides and related organic micropollutants in the environment. The novel analytical techniques of pesticide residues in environment and agricultural products and the techniques for environmental protection and restoration were of the main topics. The conference sessions dealt with the scientific interest on pesticides and environment. Scientists from Greece and other countries participated in aspects and ideas exchange on serious problems concerning the quality of the natural environment and life.

The Conference papers included in this volume reaching in total 94 contributions. Fifty four (54) papers were orally presented and thirty nine (40) poster presentations. The papers have been arranged in the following seven (7) sessions:

1. Analytical and Evaluation Techniques
2. Environmental Effects and Toxicity
3. Pesticide Levels and Behaviour in the Environment
4. Environmental Protection and Restoration Techniques
5. Pesticide Residues in Soil and Cultivation Products
6. Transportation and Distribution Models
7. Pesticides in Ecosystems and Protection Regulations

The editor would like to thank:

- The authors for contributing and sharing their own expertise
- The reviewers of the papers for ensuring high scientific standards
- The sponsors of the conference for their financial support
- All the participants for their involvement in the exchange of knowledge, which is the essence of the conference

Ioannina, Greece  
October 2000

Triantafyllos Albanis  
Section of Industrial and Food Chemistry  
Department of Chemistry  
University of Ioannina  
Ioannina, Greece

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