

CEMEPE AND SECOTOX CONFERENCE 2017

SUNDAY, JUNE 25

18:00-21:30 Registration (Grand Hotel Palace)

19:30-21:30 CEMEPE/SECOTOX Conference opening session

CHAIRS: A. Kungolos, K. Aravossis, C. Laspidou, P. Samaras, K.-W. Schramm, G. Marnellos

Opening remarks by officials

Invited lectures

Professor G. Tchobanoglous

“Planned potable reuse: The last frontier”

Professor H. Frank

“Environmental protection, a matter of science, technology, and ethics”

Professor. Y. Mylopoulos

“Metro engineering projects as sustainable development projects”

21:30 Welcoming reception at the Grand Hotel Palace



**The artwork in this pamphlet was created by Rigas Kougkolos*

REGISTRATION

The registration fees for the 6th International Conference on Environmental Management, Engineering, Planning and Economics are shown in Euros. Participants’ registration fees include the conference package, plenary sessions, workshops and poster presentations, welcoming reception on Sunday, midday lunches, coffee breaks and a banquet on Wednesday. Students’ registration fees include a conference package, plenary sessions, workshops and poster presentations, welcoming reception on Sunday and coffee breaks. They do not include midday lunches and the banquet on Wednesday.

	Before May 15	After May 15
Participants	290	330
Students	160	200
Guests	60	60
Major sponsors	3000	3000
Official sponsors / Exhibitors	1000	1000
Sponsors	550	600

SECOTOX members will have a 30 Euros discount on the above prices

Guests’ registration includes welcoming reception, banquet and coffee breaks. Registration fees for sponsors include one person registration for the conference and the sponsor’s logo in the conference proceedings. Registration fees for official sponsors/exhibitors include one person registration for the conference, a bench for exhibiting promotional materials and the sponsor’s logo in the conference proceedings, program and website.

SELECTED SUBMISSION – PUBLICATION

The submitted manuscripts will be reviewed by the Scientific Committee and the authors will be notified by February 28 of the outcome of the evaluation. The manuscripts that will be selected as oral or poster presentations will be published in book format e-proceedings with a separate ISBN number. Details for the full paper preparation will be given to authors after notification of paper acceptance. The organizing committee is in contact with international scientific journals and selected articles from the conference proceedings will be published in special issues after they are reviewed. The conference participants will be informed regarding these issues via e-mail. Authors interested in having their paper published in the special issues of international journals can submit their manuscript at the conference, or within two months afterwards. The format should follow the instructions to authors for the respective journals, while all submitted manuscripts will be subjected to peer review through the normal refereeing process and, if accepted, they will be published in the journal.

LOCATION AND CONFERENCE VENUE

The conference will be organized in Thessaloniki, Greece. Thessaloniki is the second largest city of Greece, capital of Macedonia, and a popular tourist destination for its lively streets, vibrant night life, byzantine churches and cultural heritage. Some places of interest near Thessaloniki include Mt. Olympus, Mt. Athos, Chalkidiki, Pella and Vergina. The organizing committee will be most eager to answer any questions of the participants regarding travelling to Thessaloniki.



IMPORTANT DATES

Abstract submission	January 31
Reply to Authors for abstract acceptance	February 28
Full paper submission	March 31
Reply to Authors with reviewer’s comments	April 30
Final paper submission	May 15

You may find more information on the Conference webpage: cemepe6.civil.auth.gr

PRE-REGISTRATION

Title:
First name:
Surname:
Address:
.....
Phone:
Fax:
E-mail:

☐ I am interested in attending the conference.
☐ I intend to submit a manuscript entitled:
.....
.....
☐ I would be accompanied by person(s).
.....

Payment should be made without charges to the beneficiary by one of the following methods:
-By bank transfer to the order of AUTH, Research Committee
[YOUR NAME]
Code number: 94128
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Bank account (international code): GR98 0172 2020 0052 0200 2079 933
Bank: PIRAEUS BANK, Branch: 2202, Street address: Aggelaki 18, 54621, Thessaloniki, Greece.
*By credit card

CALL FOR PAPERS

Sixth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2017) and SECOTOX Conference

June 25-30, 2017,
Thessaloniki, Greece

- ORGANIZED BY:
- Division of Hydraulics and Environmental Engineering, Department of Civil Engineering, Aristotle University of Thessaloniki, Greece
 - Society of Ecotoxicology and Environmental Safety (SECOTOX)
- IN COLLABORATION WITH:
- Sector of Industrial Management and Operations Research, School of Mechanical Engineering, National Technical University of Athens, Greece
 - Department of Civil Engineering, University of Thessaly, Greece
 - Department of Food Technology, Alexander Technological Educational Institute of Thessaloniki, Greece
 - Department of Environmental Engineering, University of Western Macedonia, Greece



The Division of Hydraulics and Environmental Engineering, Department of Civil Engineering, Aristotle University of Thessaloniki, as well as the Society of Ecotoxicology and Environmental Safety (SECOTOX), the Sector of Industrial Management and Operations Research, School of Mechanical Engineering, National Technical University of Athens, the Department of Civil Engineering, University of Thessaly, the Department of Food Technology, Alexander Technological Educational Institute of Thessaloniki and the Department of Environmental Engineering, University of Western Macedonia are pleased to invite you to the Sixth International Conference on Environmental Management, Engineering, Planning, and Economics and to the SECOTOX Conference which will be jointly held in Thessaloniki, Greece, from June 25 to 30, 2017.

ORGANIZING COMMITTEE

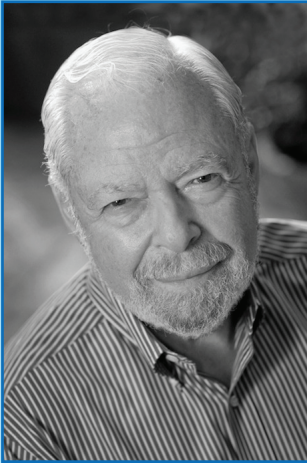
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CALL FOR PAPERS

All professionals, researchers, environmentalists and policy makers involved or interested in the area of the conference are invited to present papers related to the conference topics. Indicate your preference for an oral or poster presentation. Authors are requested to submit abstracts via e-mail as a word file attachment to the Symposium Secretariat, by January 31, 2017.

CONFERENCE TOPICS

- Air quality
- Coastal planning and policy
- Cultural heritage and architectural issues
- Cyanotoxins, biosensors and smart monitoring systems
- Decentralised wastewater management
- Ecosystems analysis and protection
- Ecotoxicology
- Energy and environment
- Environmental economics
- Environmental education
- Environmental impact assessment and risk analysis
- Environmental investment assessment
- Environmental legislation and policy
- Environmental restoration
- Fate and transport of pollutants
- GIS and remote sensing
- Global climate change
- Green chemistry
- Industrial waste
- Natural resources management
- Natural wastewater treatment systems
- Pollution control technologies
- Renewable energy sources
- Spatial and urban planning
- Sustainable production and consumption
- Tourism and environment
- Urban aerosols and health effects
- Visual impact and noise pollution
- Waste monitoring and management
- Water pollution
- Water resources engineering and management



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B0 5	Utilisation of bean hull (<i>Phaseolus vulgaris</i>) for biosorption of Cypermethrin from surface water of agricultural farm settlement. <i>Ayodele Rotimi Ipeaiyeda and Oluwole Kehinde Osho</i>	B1 4	Technical study and construction of the Propylon of Monastery of Virgin Archangeliotissa in Xanthi and formulation of the surrounding space. <i>K. I. Lantitsou</i>
B0 6	Preliminary research of VOCs decomposition using dielectric barrier discharge in pilot scale. <i>Nguyen Hoang Phuong, Mijeong Park and Youngmin Jo</i>	B1 5	The loss of children-nature interactions. <i>C. Panagopoulou, E.-A. Panagopoulou and K. Mitsis</i>
B0 7	Preparation of fibrous CO ₂ adsorbent by electrospinning method. <i>Dongwon Jeong, Mijeong Park, Yeonsoo Park and Youngmin Jo</i>	B1 6	Valorization of industrial powdery by-products in the advanced oxidation of wastewaters. <i>A. Domopoulou, K. Tsiptsias, N. Koukoulas, P. Samaras and V. Karayannis</i>
B0 8	Waste compositional analysis during flights. <i>N. Ttofali, I. Voukkali P. Loizia, and A. A. Zorpas</i>	B1 7	Microbial stability of alternative diesel fuels. <i>C.E.Tsesmeli, G.S.Dodos and F. Zannikos</i>
B0 9	Determination of Environmental Foot print of typical houses (from reinforced concrete) under subtropical climate changes using GaBi - LCA model: A case studies from Cyprus. <i>L. Pekas, K. Sentzas, I. Voukkali, P. Loizia and A. A.</i>	B1 8	Decision support system based on indicators and artificial intelligence in public and environmental management. <i>G.N. Kouziokas</i>
Afternoon session (16:30- 18:30)			
B1 9	Accumulation of heavy metals to activated sludge, dependent on process parameters. <i>E. Lember, K. Pachel and E. Loigu</i>	B2 7	Determination of jewelry-related Nickel as a reason of allergic contact dermatitis. <i>S. Mercan, S. Semen, M. Yayla, H. Ertem Vehid, Z. Turkmen, U. Celik, B. Engin, M. Acikkol</i>
B2 0	Comparison of river water quality indexes at Lower Sakarya River-a case study. <i>A. Alkis, S. Tunay and R. Koklu</i>	B2 8	Setting-up a materials science laboratory. <i>G.Z. Kyzas, R. Kosheleva, K. Kiourtzidis, E. Bibaj, K. Lysigaki, A. Rodana and A.C. Mitropoulos</i>
B2 1	Electrochemical removal of copper from wastewater by electrosorption/electrodesorption process. <i>K. Dermentzis, D. Stergiopoulos and P. Giannakoudakis</i>	B2 9	Climate change as sociogenic process. <i>D. Koumparou</i>
B2 2	Mineralization of Procion red reactive dye by electrooxidation at boron doped diamond electrodes. <i>D. Stergiopoulos, K. Dermentzis and P. Giannakoudakis</i>	B3 0	Interspecific stress changes photosynthetic parameters of barley and barnyard grass at different climate conditions. <i>I. Januškaitienė, A. Dikšaitytė, J. Žaltauskaitė, G. Sujetovienė, D. Miškelytė, G. Kacienė, R. Juknys, R. Dagiliūtė, S. Sakalauskienė and J. Miliauskienė</i>

Setting-up a materials science laboratory

G.Z. Kyzas*, R. Kosheleva, K. Kiourtzidis, E. Bibaj, K. Lysigaki, A. Rodana, A.C. Mitropoulos

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Abstract

It is very complicated and difficult to set up a laboratory from zero in order to reach it in a highly-professional level. In this work, it is described in details all procedures and steps followed for the setting-up of a materials science laboratory in Eastern Macedonia and Thrace Institute of Technology. One of the most important points is the total required budget and if this is different from the pre-expected one. The space of Lab for reconstruction was used in past for undergraduate courses in physical chemistry. Another important step is to decide the personnel/colleagues for this Lab. The group-leader (G.Z. Kyzas) must clearly pose the targets of this lab and the type of research in this. It is useful to decide if the scope will be only for research experiments or also for industrial approaches with possible patents (origin/novel products). Based on the above, the selection of the group members was done using the research-pyramid method. At first, the Professor/Supervisor of the Lab directly collaborates with the Group leader (mainly PostDoc researcher who is the major responsible for all topics of the Lab). The Group leader selects his colleagues as 1-2 PhD students, 3-4 MSc students and 4-5 BSc students, assigning their duties. Another crucial topic is the appropriate infrastructure of the Lab. Given that the Materials Science Lab is close to Hephaestus Advanced Laboratory, which is fully equipped with valuable characterization instruments (FTIR, SEM, TEM, SAXS, WAXS, XRD, DTG, TGA, BET, LC-MS, ICP-MS, HPLC, etc), it was decided to build this Lab for only materials synthesis and applications (adsorption, sensors, etc). All the above topics along with the whole procedure will be discussed to this work.

Keywords: set-up, laboratory, procedure, materials, economics