



# **ENVIRONMENT, MEDICINE and HEALTH SCIENCES**

**Proceedings of the WSEAS International Conference on  
ENVIRONMENT, MEDICINE and HEALTH SCIENCES  
(EMEH '10)**

**Penang, Malaysia, March 23-25, 2010  
Supported by Universiti Kebangsaan Malaysia**

Recent Advances in Biology and Biomedicine  
A Series of Reference Books and Textbooks

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**Preface**

This year the WSEAS International Conference on ENVIRONMENT, MEDICINE and HEALTH SCIENCES (EMEH '10) was held in Penang, Malaysia, March 23-25, 2010. The conference remains faithful to its original idea of providing a platform to discuss environmental problems related to health sciences, management of health sciences, hospital management, clinical problems and pathology, genetics, bioethics, open medical problems etc. with participants from all over the world, both from academia and from industry.

Its success is reflected in the papers received, with participants coming from several countries, allowing a real multinational multicultural exchange of experiences and ideas.

The accepted papers of this conference are published in this Book that will be indexed by ISI. Please, check it: [www.worldses.org/indexes](http://www.worldses.org/indexes) as well as in the CD-ROM Proceedings. They will be also available in the E-Library of the WSEAS. The best papers will be also promoted in many Journals for further evaluation.

A Conference such as this can only succeed as a team effort, so the Editors want to thank the International Scientific Committee and the Reviewers for their excellent work in reviewing the papers as well as their invaluable input and advice.

The Editors





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## Plenary Lecture 1

### Electrosmog and Hygienic Limits



#### **Professor Frantisek Bozek**

Co-authors: Alena Bumbova, Alena Langerova, Josef Kellner

Civil Protection Department

University of Defence

Kounicova 65

CZECH REPUBLIC

E-mail: [frantisek.bozek@unob.cz](mailto:frantisek.bozek@unob.cz)

**Abstract:** Currently, non-ionizing electromagnetic radiation presents a significant type of emission. It is decisive for risk assessment to measure the values of corresponding dosimetric quantities in places where exposed personnel move and, based on developed scenarios, to compare the exposure of personnel with action values set by the legislature.

#### **Brief Biography of the Speaker:**

Born in June 19, 1950 in Vyskov, Czech Republic. He is a graduate from the University of Chemical Technology in Pardubice, branch of study - Macromolecular Substances Technology. After the graduation he was admitted to study for a post-graduate degree of the Academy of Sciences of Czechoslovakia at the Macromolecular Chemistry Research Institute in Brno. He dealt with the problems of ionic polymerization of oxygen heterocyclic compounds. In 1979 he submitted his dissertation and in 1988 he was appointed associate professor at the University of Chemical Technology in Pardubice in the branch called Macromolecular Chemistry. In 1993 he habilitated. In 1978 he started working at the University of the Ground Forces where he was executing the duties of vice-dean of research work for 6 years. In 2002 he was appointed for the post of professor in the branch called Force and Civil Protection. Since 1989 he has been dealing with the problems of the environmental protection focused on waste management, proactive tools of environmental policy and especially risk management, currently at the University of Defence and the Mendel University of Agriculture and Forestry in Brno. He is a member of pilot studies and working groups of NATO, scientific and branch councils and many foreign professional and scientific societies.

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