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The 8th International Symposium on “Metal Elements in Environment, Medicine and Biology” December 5-6, 2008, Timișoara

The 8th International Symposium on “Metal Elements in Environment, Medicine and Biology” was organized under the auspices of Roumanian Academy – Timișoara branch and Biochemical Commission of Roumanian Academy on 5th and 6th December 2008, in Timișoara. The symposium was held at the University of Agricultural Sciences and Veterinary Medicine of Banat Timișoara.

This scientific manifestation had an inter- and multidisciplinary horizon, approaching a theme in the conception of the trophic chain soil-plant-animal-human.

The main topics of the symposium were as followings:

I. Researches on metal trace- and macroelements:

- Environment and geochemistry;
- Biochemistry and molecular biology;
- Internal medicine: cardiology, nephrology a.o;
- Pathobiochemistry, toxicology and pharmacology;
- Physico-chemical methods in inorganic biochemistry;
- Physiology and physiopatology;
- Nutrition, food sciences and biotechnologies;
- Bone and muscle metabolism;
- Surgery, dentistry, implantology;
- Mechanisms of interaction with living matter;
- Others.

II. Analytical and bioanalytical methods for metal trace- and macroelements determination and
III. Varia.

In the first day, after welcome and opening ceremony, the first session of scientific communications took place. Papers about selenium, zinc, magnesium, copper, cadmium, aluminium and iodine were presented. In the afternoon, within poster session, about 30 posters were exposed and presented. Subjects as metal compounds in cancer treatment, iodine fortification of refined sunflower oil, food supplements with chromium and selenium content, metal composition of urtica dioica leaves, heavy metals contents in some vegetables drew the attention.

In the second day of symposium, there was another communications session. Some interesting papers to be mentioned as: Mineral balance – reflection on blood vessels, Mineral content and geographical origin of bee’s honey.

At the symposium there have participated or sent papers distinguished personalities of the scientific life from Hungary (Etelka Farcas, Eva Stefanovits-Banyai), Serbia (Ivana Djujic), Bulgaria (Radostina Alexandrova), as well as personalities from universities and research institutes from Timișoara (Zeno Gârban, Gabriela Gârban),

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Bucuresti (Radu Lăcătușu, Aurora Neagoe), Cluj (Ioan Silaghi-Dumitrescu, Eva Fischer-Fodor), Iași (Mihai Nechifor, Otilia Voroniuc), Constanța.

The Institute of Public Health Iași was represented by a poster from the Department of Food Hygiene and Nutrition (“Body zinc level, eating habits and some nutritional partameters in an elderly group”). „In extenso” content of the papers (communications and posters) were published in the symposium’s volume.

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