

**3rd International and 20th Croatian Congress of Technologists for Post-harvest Technology
Zrnko 2008**
November 18 – 20, 2008 | Stubičke Toplice, Croatia

Organisers:

Faculty of Agriculture University of Zagreb, Croatia
 Faculty of Food Technology and Biotechnology University of Zagreb, Croatia
 Faculty of Food Technology, J.J. Strossmayer University, Osijek, Croatia
 Faculty of Agriculture and Food Technology University of Mostar, Bosnia and Herzegovina
 Faculty of Technology, University of Tuzla, Bosnia and Herzegovina
 Politehnica University of Timisoara, Romania

Under the auspices of:

Croatian Parliament
 Ministry of Agriculture, Fisheries and Rural Development of the Republic of Croatia
 Ministry of Science, Education and Sports of the Republic of Croatia
 Ministry of Economy, Labour and Entrepreneurship of the Republic of Croatia
 Ministry of the Family, Veterans' Affairs and Intergenerational Solidarity

In cooperation with:

EurAgEng – European Society of Agricultural Engineers, UK

International Scientific Committee:

Stjepan Plištić – Faculty of Agriculture University of Zagreb, Croatia
 Duška Čurić – Faculty of Food Technology and Biotechnology University of Zagreb, Croatia
 Nadica Dobričević – Faculty of Agriculture University of Zagreb, Croatia
 Verica Dragović-Uzelac – Faculty of Food Technology and Biotechnology University of Zagreb, Croatia
 Kata Galić – Faculty of Food Technology and Biotechnology University of Zagreb, Croatia
 Stanko Ivanković – Faculty of Agriculture and Food Technology, University of Mostar, Bosnia and Herzegovina
 Franjo Jović – Faculty of Electrical Engineering University of J.J. Strossmayer Osijek, Croatia
 Darko Kiš – Faculty of Agriculture University of J.J. Strossmayer Osijek, Croatia
 Tajana Krička – Faculty of Agriculture University of Zagreb, Croatia
 Damir Magdić – Faculty of Food Technology University of J.J. Strossmayer Osijek, Croatia
 Davor Romić – Faculty of Agriculture University of Zagreb, Croatia
 Igor V. Shevchuk – Institute of Aerospace Thermodynamics University of Stuttgart, Germany
 Franjo Tomić – Faculty of Agriculture University of Zagreb, Croatia
 Dumitru Țucu – Politehnica University of Timisoara, Romania
 Žaneta Ugarčić-Hardi – Faculty of Food Technology University of J.J. Strossmayer Osijek, Croatia
 Irena Vedrina-Dragojević – Faculty of Pharmacy and Biochemistry University of Zagreb, Croatia
 Sandra Voća – Faculty of Agriculture University of Zagreb, Croatia
 Neven Voća – Faculty of Agriculture University of Zagreb, Croatia

Organising committee:

Stjepan Plištić – president – Faculty of Agriculture University of Zagreb, Croatia
 Tea Brlek Savić – Faculty of Agriculture University of Zagreb, Croatia
 Zdenka Čuhnil – Croatian Parliament
 Nadica Dobričević – Faculty of Agriculture University of Zagreb, Croatia
 Ante Galić – Faculty of Agriculture University of Zagreb, Croatia
 Davorin Hrsto – Žitozajednica, Zagreb, Croatia
 Zoran Iličković – Faculty of Technology, University of Tuzla, Bosnia and Herzegovina
 Stanko Ivanković – Faculty of Agriculture and Food Technology University of Mostar, Bosnia and Herzegovina
 Damir Ježek – Faculty of Food Technology and Biotechnology University of Zagreb, Croatia
 Vanja Jurišić – Congress secretary – Faculty of Agriculture University of Zagreb, Croatia
 Željko Jukić – Faculty of Agriculture University of Zagreb, Croatia
 Darko Kiš – Faculty of Agriculture University of J.J. Strossmayer Osijek, Croatia
 Tajana Krička – Faculty of Agriculture University of Zagreb, Croatia
 Ana Matin – Faculty of Agriculture University of Zagreb, Croatia
 Srećko Tomas – Faculty of Food Technology University of J.J. Strossmayer Osijek, Croatia
 Sandra Voća – Congress secretary – Faculty of Agriculture University of Zagreb, Croatia
 Neven Voća – Faculty of Agriculture University of Zagreb, Croatia

Tehnical Editors:

Sandra Voća – Faculty of Agriculture University of Zagreb, Croatia
 Ante Galić – Faculty of Agriculture University of Zagreb, Croatia



Editorial Note

3rd International and 20th Croatian Congress of Technologists for Post-Harvest Technology "ZRNKO 2008" took place on 18th and 20th November 2008 in Stubičke Toplice, Croatia. This Congress is continually being held since 1985, and it is a Congress of scientists and experts from the field of agricultural technology, drying, storing and transporting of agricultural materials and products. This year's, Congress was organized by the Faculty of Agriculture University of Zagreb, Croatia in cooperation with the Faculty of Food Technology and Biotechnology University of Zagreb, Croatia, Faculty of Food Technology University of Osijek, Croatia, Faculty of Technology University of Tuzla, Bosnia and Herzegovina, Faculty of Agriculture and Food Technology University of Mostar, Bosnia and Herzegovina, and Politehnica University of Timisoara, Romania. Coorganizer of the Congress was the European Society of Agricultural Engineers (EurAgEng). The Congress was organized under the auspices of Croatian Parliament, Ministry of Agriculture, Fisheries and Rural Development, Ministry of Science, Education and Sports of the Republic of Croatia, Ministry of Economy, Labour and Entrepreneurship, Ministry of the Family, Veterans' Affairs and Intergenerational Solidarity. The Congress was attended by approx. 120 participants from Austria, Bosnia and Herzegovina, Germany, Hungary, Romania, Slovakia, Slovenia, Serbia, Switzerland and Croatia. Fifty nine papers were presented from the field of post-harvest technology and processing of cereal and industrial crops, post-harvest technology and horticultural products processing, feed technology, transportation, agricultural legislatives in EU and bioenergy production from renewable sources. All accepted abstracts were published in the Book of Abstracts.

I express my gratefulness to all authors. I also express my great thankfulness to everyone that was engaged in the organisation of the Congress, and to the Scientific Committee. Moreover, I greatly appreciate the support from the sponsors of this event.

Stjepan Pliestić
Congress Chairman