

4th International Euro-aliment
Symposium



Proceedings of
**Challenges for Food Science and
Food Industry in the Recession
Era**



9th - 10th October, 2009
Galati, Romania



University of Dunarea de Jos
Galati - Romania 2009



ABOUT EURO-ALIMENT INTERNATIONAL SYMPOSIA

In 2003, the Faculty of Food Science and Engineering of the Dunarea de Jos University of Galati decided to organise a symposium on food issues. Since then, every two years, in the autumn, researchers from **Food Science** and connected fields (**Environment, Nutrition, Chemistry, Biotechnology**) and representatives of **Food Industry** meet together, present their work, research results and exchange their experience.

Scientists across Europe were present at Euro-aliment symposia, demonstrating that Romania was part of European Union before its official integration of 2007.

The symposia proved that scientists stay together over time and over space, forcing the science to obey to the good thoughts and ideas.

EURO-ALIMENT 2009 MISSION

The aim of this international symposium is to debate on strategies for the future. The organisers believe that the symposium will lead to new forms of collaboration between science and industry.

Euro-aliment 2009 International Symposium included a series of presentations and discussion in plenary, a poster session and a exhibition to highlight how the actors of the food chain meet the recession era.

Novelties in food science, food processing, food biotechnology, food quality and safety, functional food, aquatic resources, food marketing, food analysis are presented.

We are sure that the Euro-aliment 2009 International Symposium is an opportunity to further challenge thought enhancing food technology development, acting as a catalyst in this ever-expanding industry.

Organized by:

FSIA - Faculty of Food Science and Engineering
Dunarea de Jos University of Galați

Supported by:

ICDEAPA - Institute of Research and Development for Aquatic Ecology,
Fishing and Aquaculture, Galați, Romania
AGIR - The General Association of the Engineers in Romania
Galați Office for Consumers Protection, Romania
Council of Galați County, Romania

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Veronika ABRAM, University of Ljubljana, Slovenia
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Anca NICOLAU, Dunarea de Jos University, Romania

Gabriela RÂPEANU, Dunarea de Jos University, Romania

Nicoleta STĂNCIUC, Dunarea de Jos University, Romania

Silvius STANCIU, Dunarea de Jos University, Romania

Rodica STURZA, Technical University of Moldova, Chisinau, Moldova Republic

Gh. ZGHEREA, Dunarea de Jos University, Romania

Camelia VIZIREANU, Dunarea de Jos University, Romania

Aura DARABĂ, Dunarea de Jos University, Romania

Aquaculture and Fishing

Victor CRISTEA, Dunarea de Jos University, Romania

Isabelle METAXA, Dunarea de Jos University, Romania

Iulia GRECU, Dunarea de Jos University, Romania

Programme Euro-aliment 2009

CHALLENGES FOR FOOD SCIENCE AND FOOD INDUSTRY IN THE RECESSION ERA

Thursday, 8.10.2009

18:00 – 20:00 **Registration** Hall of D Building

Friday, 9.10.2009

08:00 – 09:00 **Registration**

09:30 – 10:30 **Symposium opening**

Organisers' welcome

Petru Alexe, FSIA Dean

Nicolae Patriche, ICDEAPA

Mihai Mihăiță, AGIR

Marioara Gătej, Consumer Protection Office

Eugen Chebac, Council of Galati County

Official presentation of ASIAR (*The Association of
the Romanian Food Industry Specialists*)

10:30 – 11:30 **Plenary lectures**

11:30 – 12:00 Coffee break

12:00 – 14:00 **Section lectures**

Section 1 – Nutrition and Health

Section 3 – Biotechnology

14:00 – 15:00 Lunch

15:00 – 16:30 **Section lectures:**

Section 2 – Food Processing

16:30 – 17:30 **Microencapsulation and controlled release of
active compounds in food systems**

17:30 – 18:00 Coffee break

18:00 – 19:00 **Poster Session**

20:30 Festive dinner

Saturday, 10.10.2009

09:00 – 11:00 **Section lectures**

Section 4 – Food Quality and Safety

Section 5 – Functional Food

11:00 – 11:30 Coffee break

Section lectures

11:30 – 13:30 *Section 6 – Market Trends and Consumer*

Section 7 – Aquaculture Resources

Section 8 – Methods for Food Analysis

13:30 – 14:00 **Closing ceremony**

14:00 – 15:00 Lunch

Room
D12

Room
D12

Friday, 9.10.2009**Plenary lectures**

- 10:30 – 11:00 Mircea CIUHRIL – S.C. Insect Farm S.R.L., Bucharest, Romania
The insects – Future Human Food
- 11:00 – 11:30 Andrea BRUNORI – Corsini Biscotti S.R.L., Grosseto, Italy
The use of buckwheat whole flour for bakery products: recent experience in Italy
- 11:30 – 12:00 Coffee break
- Section lectures**
- Section 1 – Nutrition and Health**
- 12:00 – 12:30 Corina-Aurelia ZUGRAVU – University of Medicine and Pharmacy, Bucharest, Romania
Pilot study in the southern region of the country: what do romanians do and know about healthy nutrition and lifestyle
- 12:30 – 13:00 Gabriela VLĂSCLEANU – S.C. Hofigal Import-Export S.A. Bucharest, Romania
Statistical Report on the efficacy of enotherapies. Case study: medical wine with artichokes and medicinal wine with sage
- Section 3 – Biotechnology**
- 13:00 – 13:30 G. GANEA – Technical University of Moldova , Chișinău, Moldova
Testing parameters of the technology for obtaining biofuel from colza oil
- 13:30 – 14:00 Elena PATRASCU –S.C. Euroavip S., Ploiesti, Romania
Gabriela RAPEANU – Dunărea de Jos University of Galați, Romania
*Bioethanol production from molasses by different strains of *Saccharomyces cerevisiae**
- 14:00 – 15:00 Lunch
- Section lectures: Section 2 – Food Processing**
- 15:00 – 15:30 Mircea BERNIC - Technical University of Moldova, Chișinău, Republic of Moldova
The theoretical argument of impulsion heating of wet products with the implementation of internal sources of heat

Friday, 9.10.2009

- 15:30 – 16:00 Alexandru RINOVETZ - Banat's University of Agricultural Sciences and Veterinary Medicine, Timișoara, Romania
Dry fractioning possibilities of animal lipids
- 16:00 – 16:30 Nicoleta STĂNCIUC - Dunărea de Jos University of Galați, Romania
Assessment of casein content in model systems during heat treatment
- 16:30 – 17:30 Daniela BORDA - Dunărea de Jos University of Galați, Romania
Microencapsulation and controled release of active compounds in food systems
Involvement of Academica Publishing House in Food Literature
- 17:30 – 18:00 Coffee break
- 18:00 – 19:00 **Poster Session**
- 20:30 Festive dinner

Saturday, 10.10.2009

- Section lectures**
Section 4 – Food Quality and Safety
- 09:00 – 09:20 Serghei CERNÎȘEV - Institute of Research and Development for Horticulture and Food Technologies, Chisinau, Republic of Moldova
Storage stability of dried tomatoes: kinetics of quality change
- 09:20 – 09:40 Carmen POPESCU - S.C. Hofigal Export Import S.A., Romania
The Romanian company S.C. Hofigal Export Import S.A. IFS 5th version certificate
- 09:40 – 10:00 Constantin CROITORU - SODINAL Wine & Beverage Division of AVEX Group, Romania
Nicolas VIVAS - Universite de Bordeaux, France
Incidence of the treatment with oenological tannins on the red wines' sensorial profile
- 10:00 – 10:20 **Section 5 – Functional Food**
Doina ANDRONOIU - Dunărea de Jos University of Galați, Romania
Sensorial characteristics and rheological properties of probiotic product „Cătinolact”
- 10:20 – 10:50 Daniela BORDA - Dunărea de Jos University of Galați, Romania
Rheology of synbiotic cheese type telemea

11:00 – 11:30	Coffee break
	Section lectures:
	Section 6 – Market Trends and Consumer
11:30 – 11:50	Maria Dorina PAȘCA - University of Medicine and Pharmacy, Târgu-Mureș, Romania <i>The implication of nutritional psycho-pedagogy in personal development</i>
11:50 – 12:10	Anca IORDACHESCU - Ipsos Mori Kings House, UK Anthony MOORE - CACHE, UK Gabriela IORDACHESCU - Dunarea de Jos University of Galati, Romania <i>Consumer perceptions of organic wine</i>
	Section 7 – Aquaculture Resources
12:10 – 12:30	Maria YANKOVA - Institute of Fishing Resources, Varna, Bulgaria <i>Population dynamics of horse mackerel (Trachurus mediterraneus), as a valuable economic species for the bulgarian black sea coast</i>
12:30 – 12:50	Nicoleta DOBROTA, Nucet (Romania). Researches concerning the breeding of <i>Cyprinus carpio</i> (Linnaeus, 1758) species, in high densities in small spaces, using mixed fodders like farinaceous and grained type
	Section 8 – Methods for Food Analysis
12:50 – 13:10	Galina SLEAGUN, Maria POPA - Research and Practical Institute of Horticulture & Food Technologies, Chisinau, Republic of Moldova <i>Moisture determination in dried apples by infrared drying</i>
13:10 – 13:30	Maria CIOROI - Dunărea de Jos University of Galați, Romania <i>Spectrophotometric evaluation for the stability of the ascorbic acid from the sweet briar extract (Rosa canina) and white sea buckthorn (Hyppophae rhamnoides)</i>
13:30 – 14:00	Closing ceremony
14:00 – 15:00	Lunch

SECTION 1: NUTRITION AND HEALTH

Chair persons: Rodica SEGAL - Romania
Corina-Aurelia ZUGRAVU - Romania

Oral communications

Friday, 9.10.2009, Room D12, D Building

- O.1.1. **Mircea CIUHRIL**, Florin MIHAILESCU (Romania).
Food supplements obtained from insects
- O.1.2. **Corina-Aurelia ZUGRAVU**, Daniela PATRASCU, Ileana PREJBEANU, Anca STOIAN (Romania).
Pilot study in the southern region of the country: what do romanians do and know about healthy nutrition and lifestyle
- O.1.3. Ștefan MANEA, **Gabriela VLĂSCLEANU**, Petru ALEXE, Adriana TATOMIRESCU (Romania).
Case study report on effects of wine with artichokes in impaired hepato-biliary, gastro-intestinal and cardio-vascular diseases
- O.1.4. **Gabriela VLĂSCLEANU**, Ștefan MANEA, Petru ALEXE, Iulia HOBEANU (Romania).
Statistical report of case study on effects of wine with sage on the symptoms of menopause pre and post and type ii diabetes, insulin-independent

Posters

Friday, 9.10.2009, Hall of D Building

- P.1.1. Alina DUNE, Carmen POPESCU, Candice POPESCU, Bogdan POPESCU (Romania).
Hofigal dietary supplements with spirulina platensis
- P.1.2. Lăcrămioara Gianina BĂDĂRĂU (Romania).
The quantitative and qualitative study about the nourishment of a colectivity in the city of Focsani

- P.1.3. Cristina PETRESCU, Andrada Maria ANTAL, Cristina CROITOR, Sorina DOROFTEI, Suciu OANA, Tudor Rareș OLARIU (Romania).

The trend of alimentary risk behaviours and prophylaxis for dental decay at the patients diagnosed and treated in a dental clinic from Timișoara

- P.1.4. Ileana PREJBEANU, Monica Laura CARA, Marcelina MIHAI, Corina ZUGRAVU (Romania).

Breakfast characteristics at children

- P.1.5. Corina-Aurelia ZUGRAVU, Dana PATRASCU, Ileana PREJBEANU, Cornelia RADA (Romania).

Gender differences in nutrition and lifestyle attitudes for a sample of romanians

SECTION 2: FOOD PROCESSING

Chair persons: Serghei CERNÎȘEV - Republic of Moldova
Liliana GÎTIN - Romania

Oral communications

Friday, 9.10.2009, Room D12, D Building

- O.2.1. **Mircea BERNIC**, Andrei LUPASCO, Leonid IVANOV, Natalia ȚISLINSKAIA (Republic of Moldova).

The theoretical argument of impulsion heating of wet products with the implementation of internal sources of heat

- O.2.2. **Alexandru RINOVETZ**, Teodor-Ioan TRAȘCĂ, Călin JIANU, Zorica Adina RINOVETZ, Ionel JIANU (Romania).

Dry fractioning possibilities of animal lipids

- O.2.3. **Nicoleta STĂNCIUC**, Gabriela RÂPEANU, Silviu STANCIU (Romania).

Assessment of casein content in model systems during heat treatment

Posters

Friday, 9.10.2009, Hall of D Building

- P.2.1. Andrei LUPAȘCO, Valentina BANTEA, Elena BRAGA (Republic of Moldova).
The examination regarding the drying process of the medical plants (burdock, dandelion) through the convectional and compound methods
- P.2.2. Mircea BERNIC, Victor OȚEL (Republic of Moldova).
Drying kinetics of eggplant with utilization of electropasmolysis
- P.2.3. Andrei LUPASCO, Oxana ROTARI (Republic of Moldova).
Solanum lycopersicum (tomato) as object of drying
- P.2.4. Andrei LUPASCO, Galina DICUSAR, Natalia NETREBA (Republic of Moldova).
The analysis of a chemical compound of the fresh and dried seedless grapes
- P.2.5. Svetlana POPEL, Elena DRAGANOVA, Elena VOITCO (Republic of Moldova).
Elaboration of a technology of production of bread enriched with iodine
- P.2.6. Andrei LUPAȘCO, Vitalie BALEA, Olesea ANDRONIC, Natalia NETREBA (Republic of Moldova).
Reception of the generalized curves of drying for field mushrooms
- P.2.7. Andrei LUPAȘCO, Aliona GHENDOV-MOSANU, Olesea ANDRONIC (Republic of Moldova).
The analysis of the generalized curves of drying of roots of a horse-radish
- P.2.8. Floricel CERCEL, Mariana STROIU, Petru ALEXE (Romania)
Preliminary study concerning the production of biofilms from myofibrillar proteins
- P.2.9. Livia PATRASCU, Florin CERCEL, Petru ALEXE (Romania)
Influence of extraction method on rheological properties of myofibrillar proteins from different sources

- P.2.10. Floricel CERCEL, Livia MANȚOC, Petru ALEXE (Romania)
Myofibrillar proteins: optimization of extraction method and characterization of different myofibrillar proteins obtained
- P.2.11. Natalia TISLINSKAIA, Svetlana POPEL, Elena DRAGANOVA (Republic of Moldova).
The use of iodinated salt in the production of canned vegetables
- P.2.12. Elena PÎRGARI, Eugen IORGA, Gheorghe MORARU (Romania).
Technologies for complex processing of sweet sorghum
- P.2.13. Flavia POP, Cornel LASLO (Romania).
Research regarding changes in chemical composition of animal fats during freezing storage
- P.2.14. Corina NEAGU, Clemansa TOFAN, Daniela BORDA (Romania).
Mathematical models for moisture sorption isotherms of barley and wheat
- P.2.15. Mircea BERNIC, Andrei LUPASHCO, Marcel MATCO, Victor OTEL, Mihail VACARCIUC, Eugeniu CIOBANU (Republic of Moldova).
The laboratory equipment for the investigation of the drying process of grape seeds

SECTION 3: BIOTECHNOLOGY APPLIED IN FOOD INDUSTRY

Chair persons: Iuliana APRODU - Romania
Maria POPA – Republic of Moldova

Oral communications

Friday, 9.10.2009, Room D12, D Building

- O.3.1. **G. GANEA**, V. SLIUSARENCO, S. TIGANCOV (Republic of Moldova).
Testing parameters of the technology for obtaining biofuel from colza oil

- O.3.2. Elena PATRASCU, **Gabriela RÂPEANU**, Camelia BONCIU, Traian HOPULELE (Romania).
Bioethanol production from molasses by different strains of *Saccharomyces cerevisiae*

Posters

Friday, 9.10.2009, Hall of D Building

- P.3.1. Vasilica Alisa ARUS, Alina Mihaela MOROI, Ana Maria GEORGESCU (Romania).
Mathematic modeling and optimization of biochemical maturation process of sour cream by factorial analysis
- P.3.2. Gabriela IORDĂCHESCU, Gabriela VLĂSCEANU, Ștefan MANEA, Alina DUNE (Romania).
The fifth dimension of the taste in *Spirulina Platensis* feed
- P.3.3. Sorin TĂNASĂ, Vasilica BARBU (Romania).
The study of acetylsalicylic acid effects on wheat seeds germination in salt stress conditions
- P.3.4. Daniela DUMITRIU, Maria CIOROI (Romania).
Studies on total polyphenols and reducing power of extracts from selected lamiaceae species

SECTION 4: FOOD QUALITY AND SAFETY

Chair persons: Galina SLEAGUN - Republic of Moldova
Daniela BORDA - Romania

Oral communications

Saturday, 10.10.2009, Room D12, D Building

- O.4.1. **Serghei CERNÎȘEV** (Republic of Moldova).
Storage stability of dried tomatoes: kinetics of quality change
- O.4.2. **Carmen POPESCU**, Mihaela HRITCAN, Candice POPESCU, Bogdan POPESCU (Romania).
The Romanian Company S.C. Hofigal Export Import S.A. - IFS 5th version Certificate

- O.4.3. **Constantin CROITORU**, Nicolas VIVAS, Alexandru CANARIOV, Lorena DEACONU, Cristian CODRESI, Gina HORTOLOMEI (Romania and France).
Incidence of the treatment with oenological tannis on the red wines' sensorial profile

Posters

Friday, 9.10.2009, Hall of D Building

- P.4.1. Liliana Daniela GIURGEA (Romania).
Investigations on the chemical safety of food from the Vrancea area
- P.4.2. Călin JIANU, Diana DOGARU, Corina MIȘCĂ, Dana STOIN, Alexandru RINOVETZ, Ionel JIANU (Romania)
Researches regarding the dependence of some sensorial competences of the bread upon the raw material and the processing parameters
- P.4.3. Cristina STOIAN, Sandu PERETZ, Gheorghe ZGHEREA (Romania).
Factors influencing the obtaining and the stability of double emulsions made with corn oil
- P.4.4. Gabriela CILINCA, Corina-Aurelia ZUGRAVU (Romania).
Use and safety of pet, package material in contact with beverages
- P.4.5. Flavia POP (Romania).
Research concerning physicochemical changes and freshness indicators of milk fat during storage
- P.4.6. Constanta VICOL, Gabriela RAPEANU, Gabriela BAHRIM (Romania).
Identification of romanian wine adulteration from Vrancea county
- P.4.7. Carmen POPESCU, Elena POSTOLACHE, Gabriela RAPEANU, Mircea BULANCEA, Traian HOPULELE (Romania).
The dynamics of oxidative enzymes during the white winemaking
- P.4.8. Anca CIOBANU, Ileana Denisa NISTOR, Ana-Maria ROȘU, Neculai Doru MIRON, Manuela CONUȚOAE (Romania).
Study regarding the quality of exotic fruit juices mixtures
- P.4.9. Carmen POPESCU, Elena POSTOLACHE, Gabriela RAPEANU,

- Mircea BULANCEA, Traian HOPULELE (Romania).
Change of the physico-chemical indices and the oxidative enzymatic activities during the white grapes ripening
- P.4.10. Mirela CALU, Camelia BONCIU, Ioan TOFAN (Romania).
Physico-chemical characteristics of apples stored in chilling and controlled atmosphere conditions
- P.4.11. Steluța RADU (Romania).
Diagnosis concerning the human resources at the SC Compan SA Iasi - study case.
- P.4.12. Diana Nicoleta RABA, V. TABĂRĂ, Ghe. MENCINICOPACHI, I. JIANU (Romania).
Protein profile evaluation for some wheat species, food adulteration identification possibilities
- P.4.13. Iuliana BANU, Iuliana APRODU, Amalia MITELUT, G. MODORAN, C. POP, V. IONESCU (Romania).
Reduction of the mycotoxins contamination of cereals in order to get safe bakery products with high fibres content
- P.4.14. Iuliana BANU, Ina VASILEAN, Vasilica BARBU, Gabriela BAHIM., Corina NEAGU (Romania).
Chemical, biochemical and technological researches on improving nutritional value of rye

SECTION 5: FUNCTIONAL FOOD AND INGREDIENTS

Chair persons: Nicoleta STĂNCIUC - Romania
Andrea BRUNORI - Italy

Oral communications

Friday, 9.10.2009, Room D12, D Building

Saturday, 10.10.2009, Room D12, D Building

- O.5.1. **Andrea BRUNORI**, György VÉGVÁRI, Gergő SÁNDOR, Gerardo BAVIELLO, Corrado ZANNETTINO, Gianluca CORSINI (Italy and Hungary).
The use of *Fagopyrum tataricum* gaertn flour to supply rutin in Tuscany traditional biscuits
- O.5.2. **Andrea BRUNORI**, Gergő SÁNDOR, Gerardo BAVIELLO, Corrado ZANNETTINO, Gianluca CORSINI, György VÉGVÁRI (Italy and Hungary).
The use of tartary buckwheat whole flour to introduce rutin in preventive amounts in bread typical of the region Tuscany (central Italy)

- O.5.3. Gabriel – Dănuț MOCANU, Gabriela ROTARU, Elisabeta BOTEZ, Aida VASILE, **Doina ANDRONOIU**, Oana NISTOR, Liliana Gîtin, Gabriela VLĂSCÉANU, Alina DUNE (Romania).
Sensorial characteristics and rheological properties of probiotic product „Cătinolact”
- O.5.4. Loredana DUMITRASCU, **Daniela BORDA**, Roxana LEFTER, Gabriela ROTARU (Romania).
Rheology of synbiotic cheese type telemea

Posters

Friday, 9.10.2009, Hall of D Building

- P.5.1. Claudiu-Nicolae ȘIMONAȚI, Maria-Mihaela MIHUȚA (Romania).
Valorisation of saffron (*Crocus sativus*)
- P.5.2. Ana Maria SIMION, Petru ALEXE (Romania).
Influence of probiotic starter cultures in “Banatean” dry sausage production and characteristics
- P.5.3. Gabriel – Dănuț MOCANU, Gabriela ROTARU, Elisabeta BOTEZ, Aida VASILE, Doina ANDRONOIU, Oana NISTOR, Liliana Gîtin, Gabriela VLĂSCÉANU, Alina DUNE (Romania).
Research concerning the production of a probiotic dairy product with added medicinal plant extracts
- P.5.4. Diana Veronica DOGARU, Nicoleta HĂDĂRUGĂ, Teodor - Ioan TRĂȘCĂ, Călin JIANU, Ionel JIANU (Romania).
Researches regarding the antioxidant capacity of some fruits vinegar
- P.5.5. Svetlana POPEL, Lidia PARSHAKOVA, Lilia DEMCENCO, Alexandra KOLESNICHENKO, Elena ALBUL (Romania).
Extraction of biologically active substances from dry vegetable material
- P.5.6. Cristina RAILEANU, Gabriela LENCO, Gabriela ROTARU (Romania).
Preliminary study for the obtaining of probiotic fruit juices
- P.5.7. Cristina POPOVICI, Tatiana CAPCANARI, Olga DESEATNICOVA, Rodica STURZA (Republic of Moldova).
Study of quality indices of functional vegetal oil mixture

- P.5.8. Ana-Maria ROȘU, Neculai Doru MIRON, Anca CIOBANU, Ileana Denisa NISTOR, Manuela CONUȚOAE (Romania).
The optimization of the carrot juice quality enriched with different extract fruits
- P.5.9. Mădălina ULIESCU, Gabriela ROTARU, Gabriela LENCO (Romania).
Researches regarding the variation of the monocalcic paracaseinate amount probiotic cheese telemea
- P.5.10. Gabriela LENCO, Mădălina ULIESCU, Gabriela ROTARU (Romania).
Researches regarding the nitrogen fractions dynamics during the maturation of the probiotic cheese telemea
- P.5.11. Romulus Marian BURLUC, Camelia VIZIREANU, Octavian BARNA, Eugenia PRICOP (Romania).
Optimization of bread quality by oat, millet and buckwheat flours utilisation
- P.5.12. Luminița PRICOPE, Loredana DUMITRAȘCU, Anca NICOLAU, Daniela BORDA, Luminița GEORGESCU (Romania).
The influence of saccharin, aspartame and sorbitol upon the bb-12® activity in milk and the characteristics of fermented products
- P.5.13. Ersilia ALEXA, Daniela STOIN, Mariana POIANA, Monica NEGREA, Ileana COCAN (Romania).
Dietary floury aliments enriched with iron
- P.5.14. Adelina DODON, Olga LUPU, Aleona MOSANU (Republic of Moldova).
Integration of soriz in the development of the production technology for bakery products
- P.5.15. Aleona MOSANU, Adelina DODON, Olga LUPU (Republic of Moldova).
Research based on the study of possibilities for non-gluten products production from corn flour in order to implement and promote new concepts in nutrition
- P.5.16. Aurelia IONESCU, Iuliana APRODU, Aura DARABĂ, Gabriela GURĂU, Cristina BACIU, Nichita ANDREI (Romania).
Chemical and functional characterization of chickpea protein derivatives

SECTION 6: MARKET TRENDS AND EXPECTATIONS OF EUROPEAN CONSUMER

Chair persons: Maria Dorina PAȘCA - Romania

Oral communications

Saturday, 10.10.2009, Room D12, D Building

- O.6.1. **Maria Dorina PAȘCA** (Romania).
The implication of nutritional psychopedagogy in the matrix of personal development
- O.6.2. **Anca IORDACHESCU**, **Anthony MOORE** (United Kingdom)
Gabriela IORDACHESCU (Romania).
Consumer perceptions of organic wine

SECTION 7: AQUATIC RESOURCES

Chair persons: Maria IANKOVA – Republic of Moldova
Isabele METAXA - Romania

Oral communications

Saturday, 10.10.2009, Room D12, D Building

- O.7.1. **Andrei CIOLAC**, **Victor CRISTEA**, **George RAZLOG**, **Daniela GHEORGHE** (Romania).
The “Blue revolution” - aquaculture in between ecological and organic
- O.7.2. **Maria YANKOVA**, **Danail PAVLOV**, **Violin RAYKOV** (Bulgaria).
Population dynamics of horse mackerel (*Trachurus mediterraneus*), as a valuable economic species for the bulgarian black sea coast

Posters

Friday, 9.10.2009, Hall of D Building

- P.7.1. Cecilia BUCUR, Daniela RADU, Nino MARICA, Daniel OPREA, Soare STĂNCIOIU (Romania).
Preliminary hematologic studies on *Polyodon spathula* (Walbaum, 1792) reared in controlled system
- P.7.2. Daniel OPREA, Lucian OPREA (Romania).
Researches considering the effect of gradually insertion of fodder in alimentation on the growth rhythm of siberian sturgeon larvae (*Acipenser baerii* – brandt, 1869) reared in superintensive system
- P.7.3. Nicoleta DOBROTA, Mioara COSTACHE, Soare STANCIOIU, Gheorghe DOBROTA (Romania).
Researches concerning the breeding of *Cyprinus carpio carpio* (Linnaeus, 1758) species, in high densities in small spaces, using mixed fodders like farinaceous and grained type
- P.7.4. Gabriela VASILE, Costică MISĂILĂ, Elena CIORNEA (Romania).
A comparative study of some bodily indices and coefficients in *Aristichthys nobilis* and *Hypophthalmichthys molitrix* of various ages
- P.7.5. Georgel P. RAZLOG, Victor CRISTEA, Andrei CIOLAC (Romania).
Danube fishery – some management measures based on scientific advice, for sustainable exploitation of danube shad
- P.7.6. Maria FETECU, Adina POPESCU, Isabelle METAXA, Aida VASILE (Romania).
Preliminary aspects concerning structure phytoplankton in the Balta mare – Carja 1 Fish farm
- P.7.7. Costică MISĂILĂ, Elena Rada MISĂILĂ, Gabriela VASILE (Romania).
Influence of prophylactic antiparasitary treatments on some hematological indices values in cultured cyprinids
- P.7.9. Corina-Elena GHEORGHE, Mioara COSTACHE, George VASILESCU (Romania).
The dynamics of the plankton for the carp policulture breeding with phytoplankton consumer species, in the 2nd summer

SECTION 8: METHODS FOR FOOD ANALYSIS

Chair persons: Anca NICOLAU - Romania
Andrea BRUNORI - Italy

Oral communications

Saturday, 10.10.2009, Room D12, D Building

- O.8.1. **Maria CIOROI**, Mihaela MOISI, Romica CRETU (Romania).
Spectrophotometric evaluation for the stability of the ascorbic acid from the sweet briar extract (*Rosa canina*) and white sea buckthorn (*Hyppophae rhamnoides*)
- O.8.2. **Galina SLEAGUN**, Maria POPA (Republic of Moldova).
Moisture determination in dried apples by infrared drying

Posters

Friday, 9.10.2009, Hall of D Building

- P.8.1. Diana Nicoleta RABA, Valeriu TABĂRĂ, Gheorghe MENCINICOPSCI, Ionel JIANU (Romania).
Evaluation of the protein profile of wheat species, possibly identification of food's authenticity
- P.8.2. Cristina RAILEANU, Gabriela LENCO, Gabriela ROTARU (Romania).
Sensory analysis used for the quality determination of drinks based on milk and fruit juice
- P.8.3. Mircea BERNIC, Andrei LUPASHCO, Marcel MATCO, Victor OTEL Mihail VACARCIUC, Eugeniu CIOBANU (Republic of Moldova).
The laboratory equipment for the investigation of the drying process of grape seeds
- P.8.4. Monica POTROVITA, Monica ROMAN, Mihaela BADEA, Nicoleta TAUS (Romania).
Internal validation of an ELISA test kit for the detection of total aflatoxin and ochratoxin A

- P.8.5. Rodica STURZA, Constantin SÎRGHI, Mariana VRÎNCEAN, Susanne BÖHME (Republic of Moldova).
Comparison of sensitivity of analytical methods for samples injection in the detection of compounds with flavouring potential of wines
- P.8.6. Jorj CIUMAC, Daniela OTEL-BERNIC, Cristina COJOHARI (Republic of Moldova).
Determination of moisture sorption isotherms of moldavian walnuts
- P.8.7. Gheorghe ZGHEREA, Cristina STOIAN, Sandu PERETZ (Romania).
Synthesis and physico-chemical characterization of 2,4-dinitrophenyl hidrazones derived from carbonyl compounds with some importance in the study of foods quality
- P.8.8. Rodica STURZA, Constantin SÎRGHI, Mariana VRÎNCEAN (Republic of Moldova).
The analytical methods for GC/MS samples injection in the detection of aroma compounds of wines