

Universitatea „Dunărea de Jos” din Galați
Facultatea de Știința și Ingineria Alimentelor

PROGRAMUL
SESIUNII ȘTIINȚIFICE STUDENȚEȘTI
2016





Dunărea de Jos University of Galați
Faculty of Food Science and Engineering
COMMUNICATION PAPERS FOR STUDENTS
From farm to plate – Healthy and sustainable food
18 – 20th May 2016



Dunarea de Jos University
Faculty of Food Science and Engineering

COMMUNICATION PAPERS FOR STUDENTS
2016





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SUMMARY

Wednesday, May 18, 2016

Workshop. *Bio – cultures for meat and dairy industry* Prizes from Chr. Hansen.
(G.M.Costin dairy pilot plant, starting to 9 o'clock)

Thursday, May 19, 2016

Session I. *Food Science and Biotechnologies* ----- 26 papers
(F building, E211 room, starting to 9 o'clock)

Session III. *New Trends in Human Nutrition*----- 23 papers
(F building, F204c room, starting to 12 o'clock)

Friday, May 20, 2016

Session II. *Aquaculture and Environmental Science* ----- 31 papers
(Q building, Q15 room, starting to 9 o'clock)

Special Session. *Gastronomy and Culinary Arts Competition* ----- 20 papers
(F building, F103 room, starting to 13 o'clock)



Session I

FOOD SCIENCE AND APPLIED BIOTECHNOLOGIES

Oral presentations

Chair:	Lecturer dr. Loredana DUMITRASCU
Committee members:	PhD student Elena IONITA MSc. Student Alina MIRON MSc. Student Cristina MIHAI
Secretary:	BSc. Student Andreea LANCIU

**Session I. Food Science and Biotechnology will be held in
E 211 room starting to 9 o'clock.**

at 9⁰⁰

- 1. Isolation and biotechnological characterization of some lactic acid bacteria from microbiota of flour*
Student: **Andra Radu**
Scientific coordinators: Gabriela Elena BAHIM, Mihaela Aida VASILE
- 2. Characterization and accurate dosage of proteolytic enzymes in dietary fiber precise evaluation using the FOSS-Tecator analyser*
Students: **Iulia Claudia Chirilă, Ana Georgiana Popa, Cristina Trofin, Lucia-Cristina Turosu**
Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU
- 3. Determination of dietary fiber in cereal products with different instrumental methods*
Students: **Lucia-Cristina Turosu, Iulia Claudia Chirilă, Ana Georgiana Popa, Cristina Trofin**
Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU
- 4. Analysis of Stylistic Devices in Food Advertising Slogans*
Students: **Claudia Olariu (Moloea), Mihaela Bahrim**
Scientific coordinator: Maricica STOICA



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at 10⁰⁰

5. *Green technologies for Mara sea buckthorn variety processing in Romania*

Student: **Cătălin Stoian**

Scientific coordinator: Liliana MIHALCEA, Daniela BORDA

6. *Consumer acceptability of pickled cucumbers*

Student: **Aurelian Popescu**

Scientific coordinator: Gabriela PLOSCUTANU

7. *Terminology used in sensory evaluation of bread with frozen fruit*

Student: **Daniela Sălceanu**

Scientific coordinator: Gabriela PLOSCUTANU

8. *Determination of the fruit content of jam*

Student: **Valentina Spînu**

Scientific coordinator: Gabriela PLOSCUTANU

at 11⁰⁰

9. *Elderberries - important source of bioactive compounds. Extraction and preliminary characterization*

Student: **Cristina Onofrei**

Scientific coordinator: Nicoleta STANCIUC, Ana-Maria OANCEA

10. *Kinetics of anthocyanins thermal degradation in simulated grape juices*

Student: **Monica Pletea**

Scientific coordinators: Gabriela RAPEANU, Nicoleta STANCIUC

11. *Polyphenolics fingerprinting of Romanian red wines*

Student: **Lavinia Vișan**

Scientific coordinators: Nicoleta STANCIUC, Gabriela RAPEANU

12. *Quality characteristics of plums (Prunus domestica L.)*

Student: **Ionela Frățilă**

Scientific coordinator: Gabriela PLOSCUTANU

at 12⁰⁰

13. *Antimicrobial properties of Capsicum fruits*

Student: **Iulia Ramona Petrache**

Scientific coordinator: Gabriela PLOSCUTANU

14. *Health effects of sea buckthorn berries (Hippophae rhamnoides L.)*

Student: Oana Șerbănoiu

Scientific coordinator: Gabriela PLOSCUTANU

15. *Osmotic pressure influence on the vegetable chips dehydration process*

Student: **Catalina Mihai**

Scientific coordinators: Daniela BORDA, Liliana MIHALCEA, Iulia BLEOANCA

16. *Mycotoxins and their effects*

Student: **Maria Bianca Chiriac**

Scientific coordonator: Cornelia LUNGU

at 13⁰⁰

17. *Assessing the possibility of obtaining a protein bar with enhanced biological value*

Student: **Cristian Dragomir**

Scientific coordonators: Ina VASILEAN, Livia PATRASCU

18. *PCR technology for OMG screening*

Student: **Laura Boureanu**

Scientific coordinator: Leontina GURGU

19. *An overview on the sea buckthorn benefits and processing methods in Romania*

Student: **Catalin Stoian**

Scientific coordinator: Liliana MIHALCEA

20. *The importance of the glycemic index of foods in weight control*

Student: **Maria Tarhon (Garnai)**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU



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at 14⁰⁰

21. *Goat butter – investigation on the technological and economical aspects in Romania*

Student: **Mioara Balan Dobranis**

Scientific coordinators: Liliana MIHALCEA, Daniela BORDA

22. *Methods of processing mushrooms*

Student: **Valentina Barbu**

Scientific coordinator: Gabriela PLOSCUTANU

23. *Preference and consumption of Fetească neagra wines*

Students: **Florinela Stănescu**

Scientific coordinator: Gabriela RAPEANU

24. *Preference and consumption of negru de Purcari wine*

Students: **Iurie Trincă**

Scientific coordinator: Gabriela RAPEANU

at 15⁰⁰

25. *Physico - chemical and sensorial characterization of Cabernet Sauvignon red wines*

Student: **Bogdan Blănăruc**

Scientific coordinators: Georgiana PARFENE, Gabriela RAPEANU

26. *Sensorial and chemical characterization of Muscat Ottonel wines*

Student: **Daniela Damian**

Scientific coordinators: Georgiana PARFENE, Gabriela RAPEANU

Session II

AQUACULTURE AND ENVIRONMENTAL SCIENCE

Oral presentations

Chair: Assoc. Professor Maria CONTOMAN
Committee members: Assoc. Professor Iulia GRECU
PhD Eng. Mirela CREȚU
Secretary: PhD student Raluca ANDREI GURIENCU

**Session II. Aquaculture and Environmental Science will be held in Q15 room
starting to 9 o'clock.**

at 9⁰⁰

1. *Health assesement of fish culture from Malina farm, Galati county*
Student: **Adrian Marcu**
Scientific coordinator: Angela DOCAN
2. *Parasithological studies of some cyprinidae species from Danube river*
Student: **Daniel Ilie**
Scientific coordinator: Angela DOCAN
3. *Phytoplankton dynamics in fish ponds from Vladesti farm*
Students: **Dan Gheorghe, Paula Dumitrache**
Scientific coordinators: Luiza FLOREA, Lorena DEDIU
4. *Water quality dynamics in fish ponds from Vladesti farm*
Student: **Liliana Moscu**
Scientific coordinator: Lorena DEDIU
5. *Metabolic rate of tilapia in different temperatures*
Student: **Daniel Grigoras**
Scientific coordinator: Lorena DEDIU
6. *Geomorphometric profile of different sturgeons reared in aquaculture systems*
Students: **Silvian Burlacu, Alina Paula Isac**
Scientific coordinator: Lorena DEDIU

at 11⁰⁰

1. *Study of fertilizers and pesticides influence on soil microflora*

Student: **Mihai Uzuneanu**

Scientific coordinator: Maria CONTOMAN

2. *Study of organic fertilizers uses in horticulture crop*

Student: **Georgiana Micu**

Scientific coordinator: Maria CONTOMAN

3. *Soil water conservation technologies*

Student: **Gina Arcus**

Scientific coordinator: Maria CONTOMAN

4. *Soil fertility and restrictive factors*

Student: **Cerasela Ghimpu**

Scientific coordinator: Maria CONTOMAN

5. *Alternative energy sources*

Student: **Dragos Burlacu**

Scientific coordinator: Angela DOCAN

at 12⁰⁰

1. *The meat industry wastewater effect on the body fish - study on tissue and functional manifestations*

Student: **Catalina T. Marus**

Scientific coordinator: Iulia GRECU

2. *The effect of free residual chlorine in drinking water, used as a power source in aquaculture, on the health of fish - study on tissue and functional manifestations*

Student: **Catalina Ciocoiu**

Scientific coordinators: Iulia GRECU, Isabelle METAXA

3. *The effect of dairy effluent on non-specific immune system of fish*

Student: **Luciana Closca**

Scientific coordinator: Iulia GRECU

4. *Biogas*

Student: **Iuliana Enache**

Scientific coordinator: Daniela IBĂNESCU

5. *Aral Sea - an environmental catastrophe*

Student: **Cătălina Iordache (Ginghină)**

Scientific coordinator: Angela DOCAN

at 13⁰⁰

1. *Waste from food industry*

Student: **Roxana Cupen**

Scientific coordinator: Daniela IBĂNESCU

2. *Reducing the quantities of hazardous waste*

Student: **Andrada Matei**

Scientific coordinators: Daniela IBĂNESCU, Aurelia NICA

3. *Biological methods for pests control*

Student: **Ofelia Apostu**

Scientific coordinators: Daniela IBĂNESCU, Adina POPESCU

4. *Goods, services and functions of ecosystems*

Students: **Marius Sorin Marco, Gina Arcuș**

Scientific coordinators: Daniela IBĂNESCU, Andrei CIOLAC

5. *Asexual multiplication of plants*

Student: **Dmitri Cojan**

Scientific coordinator: Ion VASILEAN

at 14⁰⁰

1. *Classification criteria of reservoirs*

Student: **Anca Cordeli**

Scientific coordinator: Ion VASILEAN

2. *Sustainable cement production*

Students: **Mirela Ani Bragarus, Angelica Gheonea, Teodor Radu**

Scientific coordinator: Aurelia NICA, Adina POPESCU

3. *Aspects of Malaysia's renewable energy*

Students: **Cătălin Călin, Cătălin Cucu, Verginica Manea**

Scientific coordinators: Aurelia NICA, Daniela IBĂNESCU

4. *Exploring the world through dog's senses*

Student: **Daniela Filiuta**

Scientific coordinators: Aurelia NICA, Cecilia SERBAN

5. *Macrophytes analysis on the river Danube – Vilcovo sector*

Student: **Cătălin Cucu, Cătălin Viorel Călin**

Scientific coordinator: Adina POPESCU

at 15⁰⁰

1. *Physico-chemical indicators control from an natural ecosystem – the case study on Siret river*

Student: **Laurentiu Petroiu**

Scientific coordinator: Adina POPESCU

2. *Flora and fauna monitoring from Danube Delta river*

Student: **Andreea Tudorache**

Scientific coordinator: Adina POPESCU

3. *Water quality monitoring on the Danube river, Galați – Braila sector*

Student: **George Istudor**

Scientific coordinators: Adina POPESCU, Daniela IBANESCU

4. *Plants diversity in the water supply requirements*

Student: **Claudiu Spanachi**

Scientific coordinators: Adina POPESCU, Aurelia NICA

5. *Magnoliophyta species – applications*

Student: **Andreea Lepădatu - Georgiana**

Scientific coordinator: Adina POPESCU

Session III

NEW TRENDS IN HUMAN NUTRITION

Chair: Assoc. Prof. Luminita GEORGESCU

Committee members: Assit. Dr.Dana Iulia MORARU
PhD Student Georgiana BLAGA
M.Sc.Student Lucia TUROSU
Secretary: B.Sc. Student Anamaria BALASA

**Session III. New Trends in Human Nutrition will be held to
F 204c room, starting to 12 o'clock.**

at 12⁰⁰

1. *Bioactive compounds in chocolate*

Students: **Georgiana Gabriela Gagi, Cătălina Constantina Luca, Ioana Iulia Spătaru**
Scientific coordinator: Luminița Anca GEORGESCU, Dana Iulia MORARU

2. *Chocolate intake and diabetes risk*

Students: **Georgiana Gabriela Gaci, Cătălina Constantina Luca, Ioana Iulia Spătaru**
Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

3. *Nutrition and longevity*

Students: **Lidia Saraev, Irina Ștefănescu**
Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

4. *Health benefits of prebiotics and probiotics*

Student: **Florentina Corodeanu**
Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

5. *Eat for pleasure-stay slim forever: the Montignac diet*

Student: **Romina Cozlovski**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

6. *Dietary fiber: new insights on health benefits*

Student: **Bianca Chiriac**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

at 13⁰⁰

7. *Biogenic amines: their importance in foods*

Student: **Bianca Chiriac**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

8. *Vitamin C in human health and disease*

Student: **Boris Patrașco**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

9. *New words in nutrition: nutrigenomics, nutrigenetics and epigenetic*

Students: **Iulia Claudia Chirilă, Ana Georgiana Popa, Cristina Trofin**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

10. *Is a gluten-free diet the healthier option?*

Students: **Iulia Claudia Chirilă, Ana Georgiana Popa, Cristina Trofin**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

11. *Antioxidant-rich foods*

Students: **Mirela Georgiana Cucu, Marlena Marcu**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

12. *Vegan vegetarian or omnivore: what's the best diet?*

Student: **Raluca Violeta Ștefan, Alina Marina Chirila, Gianina Daniela Sandu**

Scientific coordinator: Luminița Anca GEORGESCU, Dana Iulia MORARU



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at 14⁰⁰

13. *Cholesterol – the controversy continues*

Student: **Raluca Violeta Ștefan**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

14. *The milk myth: pros and cons*

Student: **Teodora Beatrice Velciu**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

15. *Dietary supplements, an alternative to healthy diet?*

Student: **Flavia Emma Chirtic**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

16. *Coffee, friend or enemy?*

Student: **Alexandra Ioan**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

17. *The impact of nutrition on aging*

Students: **Ana-Maria Ene, Lorena Păun, Mirela Stelea**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

18. *Food compounds to improve thyroid function*

Student: **Virginica Nour**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

at 15⁰⁰

19. *Nutritiondata.self.com database contribution in achieving diets for overweight people*

Student: **Maria Tarhon (Garnai)**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

20. *Food Sources of vitamin E*

Student: **Zuhair Muaawia**

Scientific coordinator: Luminița Anca GEORGESCU, Dana Iulia MORARU

21. *Minerals and human health*

Student: **Radu Andrei Turturica**

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU



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22. *Physiological and metabolic effects of dietary fiber*

Student: Lucia-Cristina Turosu

Scientific coordinator: Luminița Anca GEORGESCU, Dana Iulia MORARU

23. *Unhealthy eating habits and related risk factors for chronic diseases*

Students: Alina Marina Chirila, Gianina Daniela Sandu

Scientific coordinators: Luminița Anca GEORGESCU, Dana Iulia MORARU

Special Session

GASTRONOMY AND CULINARY ARTS COMPETITION

Chair: Lecturer dr. Daniela ISTRATI
Committee members: Associate Prof. Liliana MIHALCEA
Assistent Prof. Eugenia Mihaela PRICOP
PhD student Carmen BOLEA
Secretary: BSc. Student Mirela – Cristina TOMA

**Special Session. Gastronomy and Culinary Arts Competition
will be held at F103 room, starting to 13 o'clock.**

1. Salmon fillets with pea puree

Students: **Gabriela Tiron, Daniela Capatana, Codrut Chiruta, Florinela Manole**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Marian NECULAU

2. Duck breast with mashed potatoes and carrots

Students: **Marius Stan, Aurel Cimpoeaie, Madalina Vasile, Madalina Avram**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Marian NECULAU

3. Poached shrimps in butter with lettuce salad

Students: **Siuzana Porumb, Marina Arabadji, Marius Tudose, Andreea Marin**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Marian NECULAU

4. Braided salmon and cod

Students: **Andreea Dahorea, Alina Daniela Melinte, Viorel Mihaita Turcu, Daniel Bogheanu, Andreea Huzuru**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Marian NECULAU

5. Mixed berry ice cream

Students: **Alina Daniela Melinte, Andreea Dahorea, Daniel Bogheanu, Viorel Mihaita Turcu, Andreea Huzuru**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Marian NECULAU



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6. *Chocolate muffins with hazelnuts*

Students: **Viorel Mihaita Turcu, Daniel Bogheanu, Andreea Dahorea, Alina Daniela Melinte, Andreea Huzuru**

Scientific coordinator: Camelia VIZIREANU, Daniela ISTRATI, Marian NECULAU

7. *Triple-Chocolate Cake*

Student: **Maria Cristiana Tarhon**

Scientific coordinator: Romulus Marian BURLUC

8. *Chocolate cheesecake*

Students: **Alin Epure, Iulia Ungureanu, Alexandra Balan**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Georgiana BLAGA

9. *Chocolate mousse cake*

Students: **Corina Deju**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Georgiana BLAGA

10. *Pancakes filled with scrambled eggs*

Students: **Maria Aldea, Andrei Sercaianu, Alexandra Diochetanu**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Georgiana BLAGA

11. *Chicken breast in bacon stuffed with wild garlic pesto*

Students: **Catalin Manolache, Silvia Mihaila**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Georgiana BLAGA

12. *Raw vegan cake*

Students: **Daniela Prodan, Aura Lazar, Ioana Negru**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Georgiana BLAGA

13. *Egg-free meringues*

Students: **Madalina Petroiu, Cristina Zaharia**

Scientific coordinator: Camelia VIZIREANU, Daniela ISTRATI, Georgiana BLAGA

14. *Baked apple roses*

Students: **Daniela Capatana, Gabriela Tiron, Codrut Chiruta, Florinela Manole**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Marian NECULAU

15. *Blueberry cheesecake*

Students: **Madalina Vasile, Marius Stan, Aurel Cimpoaie, Madalina Avram**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Marian NECULAU



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16. *Festive banana cake*

Students: **Marina Arabadj, Siuzana Porumb, Marius Tudose, Andreea Marin**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Marian NECULAU

17. *“American basckets”*

Students: **Iulia Ungureanu, Alin Epure, Alexandra Balan**

Scientific coordinator: Camelia VIZIREANU, Daniela ISTRATI, Georgiana BLAGA

18. *Baked stuffed onion*

Students: **Andrei Sercaianu, Alexandra Diochetanu, Maria Aldea**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Georgiana BLAGA

19. *Raw vegan pralines*

Students: **Ioana Negru, Daniela Prodan, Aura Lazar**

Scientific coordinator: Camelia VIZIREANU, Daniela ISTRATI, Georgiana BLAGA

20. *Crispy beer battered shrimp*

Students: **Cristina Zaharia, Madalina Petroiu**

Scientific coordinators: Camelia VIZIREANU, Daniela ISTRATI, Georgiana BLAGA



WORKSHOP

18th May 2016

BIO-PROTECTION CULTURES FOR MEAT AND DAIRY INDUSTRY

*In attention of the
Bachelor Science, Master Science and PhD students*

Workshop program

9⁰⁰ - 10⁰⁰

Application at G.M. Costin dairy pilot plant

10⁰⁰ - 12⁰⁰

Bio – protection cultures for meat and dairy industry

Eng. Laurențiu DAMIAN, Chr. Hansen, Romania

The participants will be registered by e-mail at Dr. Iulia Bleoanca (iulia.bleoanca@ugal.ro).
Registration deadline: **13.05.2016**.

Chr. Hansen Romania will award prizes for the most active participants.

Organizers: Daniela BORDA, Loredana DUMITRAȘCU, Iulia BLEOANCĂ, Cristian DIMA

Intocmit,
Conf.dr.ing. Liliana MIHALCEA