



University of Novi Sad  
**INSTITUTE  
OF FOOD  
TECHNOLOGY  
IN NOVI SAD**

**tech**  
congress  
25-27. 10. 2016.

**Novi Sad, Serbia**

**XVII**

International Symposium  
**Feed Technology**

**CEI**

CENTRAL EUROPEAN INITIATIVE

**CELEBRATING  
FOOD**

**ABSTRACT BOOK**

<i>Ilias Giannenas, Nektarios Giadinis, Constantinos Katsoulis, Costantinos Georgakoudis, Praful Kumar, Maini Shivi, George Kontopidis, Ioannis Skoufos</i>	263
<b>SUITABILITY OF SELECTED GRAIN LEGUMES FOR PRODUCTION AND FEED IN SLOVENIA</b>	
<i>Aleš Kolmanič, Franc Bavec</i>	264
<b>THE INFLUENCE OF EXTRUSION PROCESSING ON THE FATTY ACID PROFILE AND QUALITY OF FEED MIXTURE BASED ON MAIZE AND RAPESEED GRAIN BY-PRODUCTS</b>	
<i>Šandor Kormanjoš, Sanja Popović, Radmilo Čolović, Đuro Vukmirović, Ljiljana Kostadinović, Nedeljka Spasevski</i>	265
<b>NUTRITIONAL VALUE OF "FISH WEED" FROM THE NATURAL PONDS</b>	
<i>Šandor Kormanjoš, Sanja Popović, Milutin Ristić, Djordje Okanović, Tatjana Tasić, Predrag Ikonić, Šojić Branislav</i>	266
<b>TRUEPERELLA PYOGENES- CHARACTERIZATION AND SIGNIFICANCE</b>	
<i>Ljiljana Suvajdžić, Zoran Suvajdžić, Maja Bekut</i>	267
<b>FOCUS ON RELATIVE FEED VALUE – ANALYTICAL DATA AND THEORETICAL FACTS</b>	
<i>Mariana Petkova, Jovanka Levic, Olivera Djuragic, Mihail Marinov</i>	268
<b>EVALUATION OF THERMAL AND CHEMICAL DECONTAMINATION IN SELECTED FEED MILL</b>	
<i>Đuro Vukmirović, Ivana Čabarkapa, Ružica Tomičić, Zorica Tomičić, Bojana Kokić, Slađana Rakita, Jovanka Lević</i>	269
<b>INFLUENCE OF BODY WEIGHT AND MILKINESS ON GROWTH GAIN OF GOAT KIDS</b>	
<i>Nurgin Memiši, Nikola Stanišić, Nebojša Ilić</i>	270
<b>PROSPECTS OF SHRIMP FEED PRODUCTION</b>	
<i>Bogdan Yegorov, Liudmyla Fihurska</i>	271
<b>UTILIZATION OF FOOD INDUSTRY BY-PRODUCTS AS A FEED FOR RABBITS</b>	
<i>Mária Chrenková, Ľubica Chrastinová, Mária Poláčiková, Zuzana Formelová, Andrea Lauková, Iveta Plachá, Viola Strompfová, Ján Rafay, Zuzana Mlyneková, Matúš Rajs ký, Klaudia Čobanová, Monika Pogány Simonová, Anna Kandričáková, Roman Mlynár</i>	272
<b>COMPARISON OF RABBITS PERFORMANCE AND NUTRITIONAL PROFILE OF MEAT WHEN FED DIETS CONTAINING MON 88017, NON - TRANSGENIC OR CONVENTIONAL MAIZE</b>	
<i>Mária Chrenková, Mária Poláčiková, Ľubica Chrastinová, Zuzana Formelová, Ján Rafay, Matúš Rajs ký, Ľubomír Ondruška, Catalin Dragomir</i>	273
<b>PROTEIN AND PELLET QUALITY CHANGES AS A CONSEQUENCE OF PROCESS PARAMETERS AND SUNFLOWER MEAL QUALITY</b>	
<i>Radmilo Čolović, Đuro Vukmirović, Aleksandra Torbica, Dušica Čolović, Jelena Tomić, Farshad Goodarzi Boroojeni, Vojislav Banjac</i>	274
<b>POSSIBILITIES FOR ESTIMATION OF ALFALFA NUTRITIVE VALUE WITHOUT CHEMICAL ANALYSIS</b>	
<i>Aleksa Božičković, Goran Grubić, Nenad Đorđević, Bojan Stojanović</i>	275

## PROSPECTS OF SHRIMP FEED PRODUCTION

Bogdan Yegorov, Liudmyla Fihurska\*

<sup>1</sup>Department of Feed Technologies and Biofuel, Odessa National Academy of Food Technologies, Odessa, Kanatna, 112, 65039, Ukraine

\*Corresponding author:

E-mail address: [Lfigurskaya@yandex.ru](mailto:Lfigurskaya@yandex.ru)

Aquaculture is food sector, which is growing rapidly in the last 25 years with annual growth of 8.2 %. One of the most perspective branches of aquaculture is shrimp farming. The theoretical research was devoted to the problem of compound shrimp feed production. Features of the digestive tract and nutritional standards for freshwater and saltwater shrimps were analyzed. At the greatest extent, they depend on function of shrimp use, for aquarium or farming (food) use. In order to satisfy shrimp requirements, shrimp feeding programs of different foreign enterprises and research institutes were analyzed. Nutrient requirements of shrimp have been changed through fish life-cycle. Energy and protein requirements of fish depend upon water temperature, oxygen saturation, type of feeding etc.

Also modern technologies for shrimp feed manufacture and necessary ingredients were shown. Undoubtedly extrusion is the main process for shrimp feed production. As well new ingredients as food by-products, beans, etc. are used more for shrimp feed recipes.

As the result of the paper, recommendation for shrimp feeding manufacture was created.

**Key words:** *compound feed for shrimp, shrimp feeding program, requirements for shrimp feed.*