

**INTERNATIONAL
CONFERENCE FOR STUDENTS
“STUDENT IN BUCOVINA”
December, 18th, 2020**

**STUDENT IN BUCOVINA
ABSTRACTS**

Organized by:
*Faculty of Food Engineering,
Stefan cel Mare University of Suceava, Romania*

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Conference program

International conference for students

STUDENT IN BUCOVINA

18thDecember 2020

10.00 – 10.15:

Opening ceremony

meet.google.com/sxh-jgon-kqv

**10.15 – 18.00 Papers presentation on sections (online, on
google meet)**

PH.D. STUDENTS' RESEARCHES

meet.google.com/uxg-sppc-npw

MASTER STUDENTS' RESEARCHES

meet.google.com/ytk-zcxw-sxq

UNDERGRADUATE STUDENTS' RESEARCHES

meet.google.com/cdn-obdg-tsq

18.00 -19.00 Awarding ceremony

meet.google.com/sxh-jgon-kqv

RESEARCH OF SHRIMP FEED PRODUCTION

Students: Dmytro STEPANENKO, Anna KONAK

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Abstract:

Inland industrial fish farming has become increasingly important in recent years and is one of the sources to meet the needs of people in high-protein foods. Fish meat is a very rich source of proteins (18.4%), which are easily digested, vitamins (groups B, C, E, D), polyunsaturated fatty acids, macro- and microelements. Shrimp farming is an aquaculture business that exists in a marine or freshwater environment, producing shrimp or prawns (crustaceans of the groups Caridea or Dendrobranchiata) for human consumption. The paper presents research on the production of feed for shrimp by extrusion in the laboratory of the Department of Technology of Feed and Biofuel. The aim of the work is to develop a scientific and practical basis for the production of feed for shrimps. To achieve this goal, defining the task: to analyze the physiological features of shrimp and the role of nutrients and biologically active substances in feeding, to analyze raw materials for the manufacture of feed for shrimp, to analyze foreign shrimp feeding programs, analyze the needs of shrimp in nutrients and biologically active substances, develop a shrimp feeding program, to develop recipes for shrimp feed, to substantiate the technology for the production of extruded feed for shrimp, to build a line for the production of extruded feed for shrimp, to develop feed for shrimp by extrusion in the laboratory of the Department of Technology of Feed and Biofuel, to investigate the physical power and chemical composition of the prepared shrimp feed, to investigate the acidity of compound feed during storage.

Key words: *extrusion, fish feed production*