Manufacture of traditional B&H cheeses with selected indigenous bacterial cultures and technological parameters as basis for industrial production



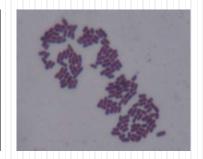
Judith Narhvus, Tarik Dizdarevic, Roger Abrahamsen, Svijetlana Sakić, Davide Porcellanto, Kari Olsen, May Aalberg, Zlatan Sarić, Edita Kasumović Emina Ćurić...



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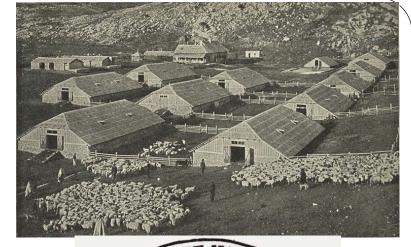


Two most important B&H traditional cheeses are **Livno** and **Travnik** cheese

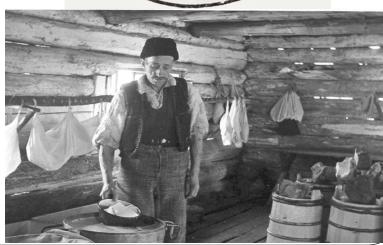
These cheeses are made from raw milk with no selected starter culture and they are characterized by a complex microflora, which is responsible for creation of cheese aroma

Small farm-house products causes significant variations in low hygienic level and quality.

Accumulated problems have led to significant reduction in the number of producers, and almost disappearance of this type of production.







The main objectives:

- Improving the scientific and technical capacites of Laboratory of Dairy Science (FAFS), Sarajevo through cooperation of Bosnian and Norwegian Scientific/Educational Institutions
- Formation of culture collections B&H traditional dairy products and the preservation of these microrganisms (strains)
- Application of best fermentative characteristics LAB isolates in modern industrial conditions (pasteurization and adding of LAB)



The main results:

➤ 2100 LAB isolates from Livno and Travnik





Genetically determinated microbial isolates:

- ➤ 200 from Livno cheese
- ➤ 160 from Travnik cheese

FIRST culture collections of traditional B&H dairy products!



414/48	473/48	412/48	4V1/48
4/4/24	4 V3/24	442/24	41/1/24
444/12	443/12	472/12	441/12





HOW TO CONTINUE???

- Genom sequencing of the "best" Livno & Travnik cheese isolates,
- Analysis of isolates on probiotic and protective properties,
- Testing of different combinations of isolates in industriy and in traditional production of cheeses...

