Faculty of Agronomy

Department of Fisheries and Hydrobiology

Mendel University in Brno

Mendel University in Brno

The Czech Republic

Brno – the second largest city

Brno – University City

Agricultural University was founded in 1919

The Development of the Campus

Building “B” – constructed in 1922

Building “C” – constructed in 1966

Building “Q” – constructed in 2002

University Campus – present view

Botanical Garden of University Campus

Botanical Garden of University Campus

Gregor Johann Mendel (1822-1884)

- **discovered genetics**
- **1843:**

  entered monastic life in the Augustinian Abbey of St. Thomas in Brno
- **1885:**

  presented his theory on transmitting the hereditary traits
- **1866:**

  published the monograph entitled "Experiments with Plant Hybrids"

Structure of University

Faculty of Agronomy

ca. 2,800 students

Faculty of Forestry and Wood Technology

ca. 1,800 students

Faculty of Business and Economics

ca. 4,000 students

Mendel University in Brno

Faculty of Horticulture

ca. 1,200 students

Faculty of Regional Development and International Studies

ca. 700 students

ca. 10,500 students

Faculty of Agronomy

People at the Faculty

- ca. 2,800 students
- ca. 400 employees
- ca. 150 teachers

Faculty of Agronomy

FISHERY EDUCATION AT MENDEL UNIVERSITY IN BRNO

Department of Fisheries and Hydrobiology

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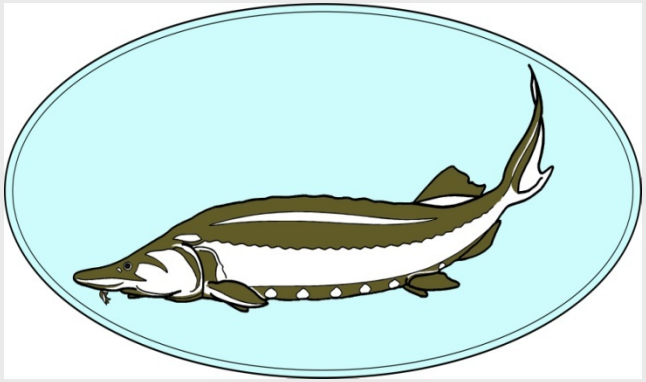

HISTORY OF FISHERY EDUCATION

- Teaching of inland fisheries has been established at the Faculty of Agronomy in 1949 as the first university specialized in fisheries remaining for a long time the only academic institution for fisheries until late Czechoslovak Republic.
- This special study programme has been provided by the Department of Fisheries and Hydrobiology within the 5-year master studies of the field of Animal Production starting from study year 3 with subjects of a separate study programme consisting of 13 special disciplines.

HISTORY OF FISHERY EDUCATION

- In the same period the Department also provided 3-year PhD studies (as a part of special animal husbandry PhD studies).
- During 60 years within fishery specialization, ***449 students graduated in the master programme (19 foreigners) and 39 PhD students (7 foreigners) defended successfully their dissertations.***
- The graduates have good chances to be employed in fish farms, fishery management, fishery research and in governmental institutions related to fishery and water management in the Czech as well as in the Slovak Republic.

New master study programme of Fisheries and Hydrobiology

- Since 2006 a new accredited master study programme for Fisheries and Hydrobiology, within 2-years studies started for graduated bachelors.
  This new programme consists of the following subjects:
- ***Hydrochemistry, Water Ecology, Hydrobiology***
- ***Ichthyology, Fish Nutrition and Feeding, Fish Culture***
- ***River Management, Fish Diseases, Aquaculture***
- ***Fish Processing Technology, Fishery-related Laws***
- ***And other optional subjects as Angling, Hydrobotany or Ornamental Fish Culture***

New master study programme of Fisheries and Hydrobioloogy

- The programme includes field exercises, 8 week of practice at fish farms and elaboration of diploma thesis dealing with fisheries or hydrobiology.
- Studies are completed after passing the state examinations of Fish Culture, River Management, Water Ecology and optionally of Fish Nutrition and Feeding or Hydrobotany or Fish Processing Technology.
- PhD study programme continues without important changes.
- Nowadays, 17 students are inscribed in master study programme and 10 students in PhD programme.


Destilovaná voda
JUNIOR
HANNA


POŽÁRNÍ
POPLACHOVÉ SMĚRNICE


820
PHIM

Research topics of the Departement

Scientific research of the Department of Fisheries and Hydrobiology is for a long time realized focussing on:

- Production of commercial fish species (development of intensive culture technologies of cyprinid and percoid species, sturgeons and European wels in rearing facilities)
- Water pollution due to human activities (heavy metal contamination of aquatic organisms, eutrophication and development of cyanobacteria and their specific toxic metabolites)
- Population studies of wild fish species in running waters (species diversity and equitability, population number, density and dynamics) related to river fishery management.
- Our specialized students widely participate on the Department research programme by means of their diploma or PhD thesis elaborations.

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Acknowledgements

Closing my short presentation, I would like to express my gratitude to Biomar company representatives, for your kind invitation to visit Denmark providing the unique possibility for our students to learn from Danish Fisheries and for collaboration of both of our institutions lasting already more than 10 years.

Therefore I hope that we will continue and develop our very good collaboration in the future.

Last but not least I would like to express my thanks personally to Mr. Štěrba for his favour addressed to Mendel University in Brno and for his personal friendship.