



Belarusian State Technological University



The main directions of scientific activity of the Department of Forest Protection and Wood Science

Head of the Department
Vyacheslav Zvyagintsev

Ph.D. (Biology), Associate Professor

The Department of Forest Protection and Wood Science was established in 1947.

The organizer and the first head of the department was Associate Professor, Ph.D. (Agriculture)

Andrey Petrusha - specialist in the field of wood science.

The director of the BTI from 1944 to 1953. He headed the department until 1955.



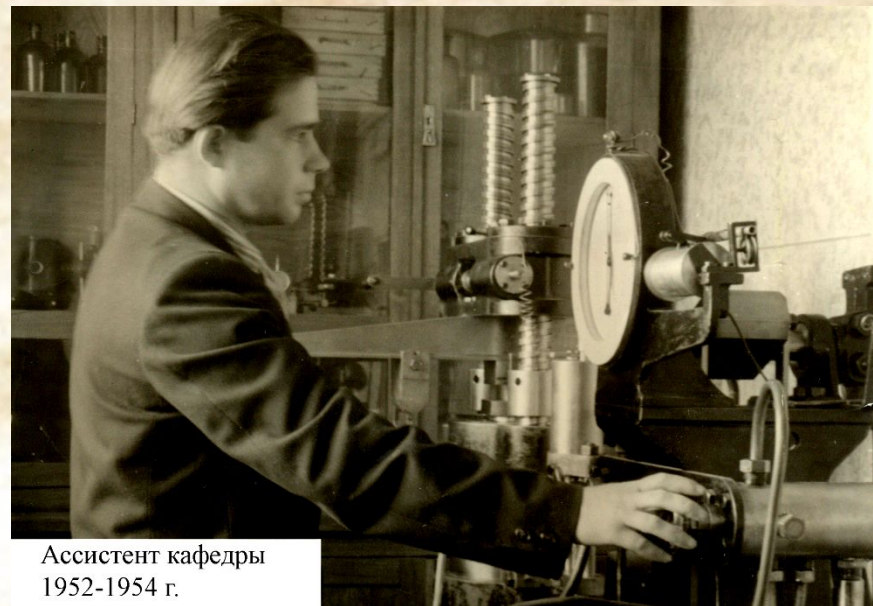
Петруша Андрей Карпович
1904 - 1968

*Директор Белорусского лесотехнического
института им. С.М. Кирова (1944 - 1953).
Кандидат сельскохозяйственных наук. Доцент.*

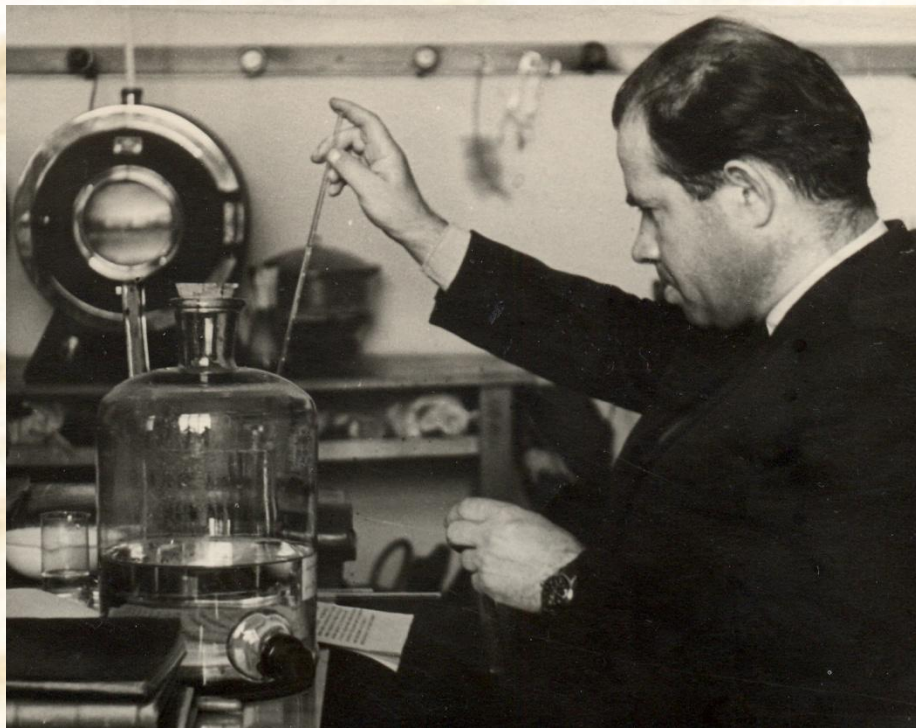
From 1972 to 1991 the department was headed by Professor, Ph.D. (Biology) **Nikolai Fedorov**.

He worked at the Belarusian State Technological University from 1947 to 2009.

The author of 350 scientific works, including 14 textbooks, teaching aids and monographs, 27 inventions.



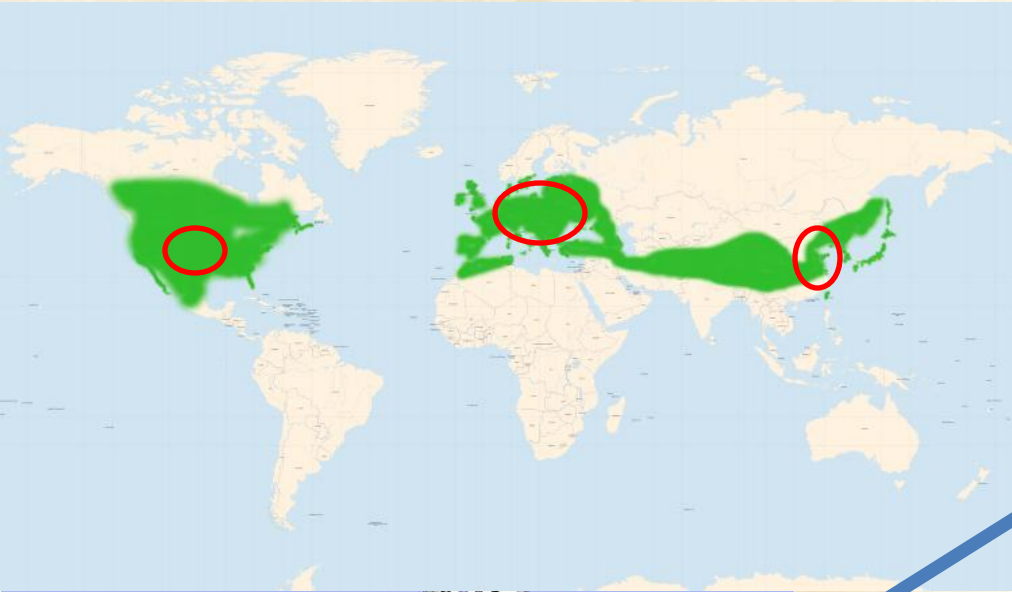
Ассистент кафедры
1952-1954 г.



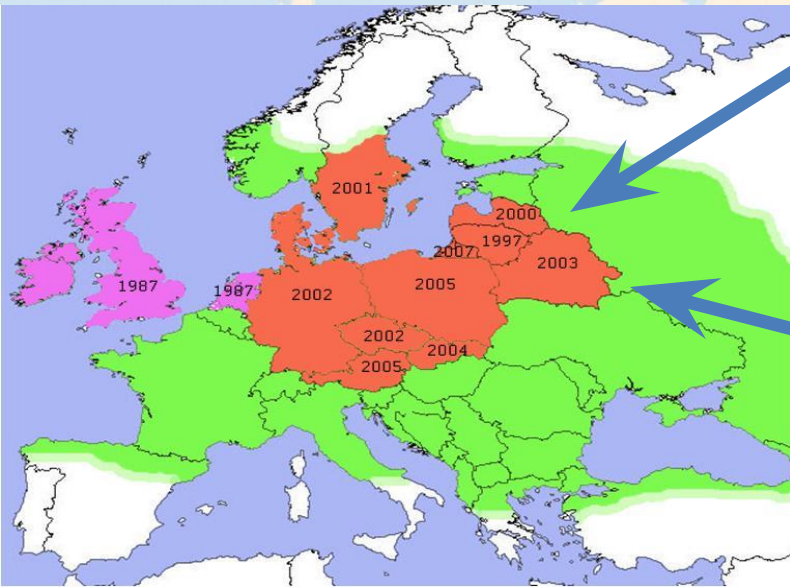
Textbooks and teaching aids of Nikolai Fedorov



The main scientific fields of the department: *Assessment of the injuriousness and prevalence of pathogens in forest stands*



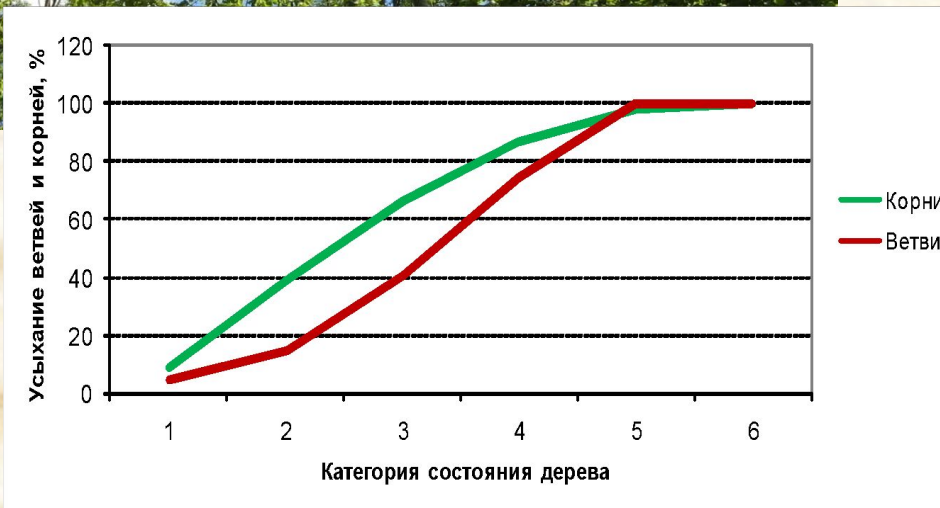
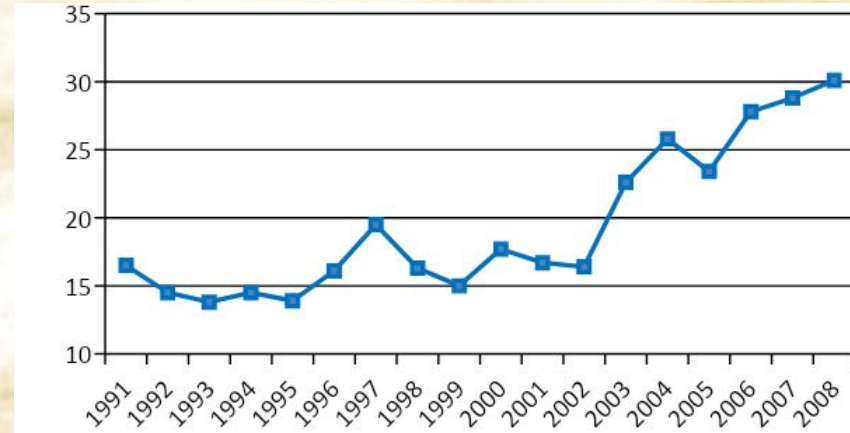
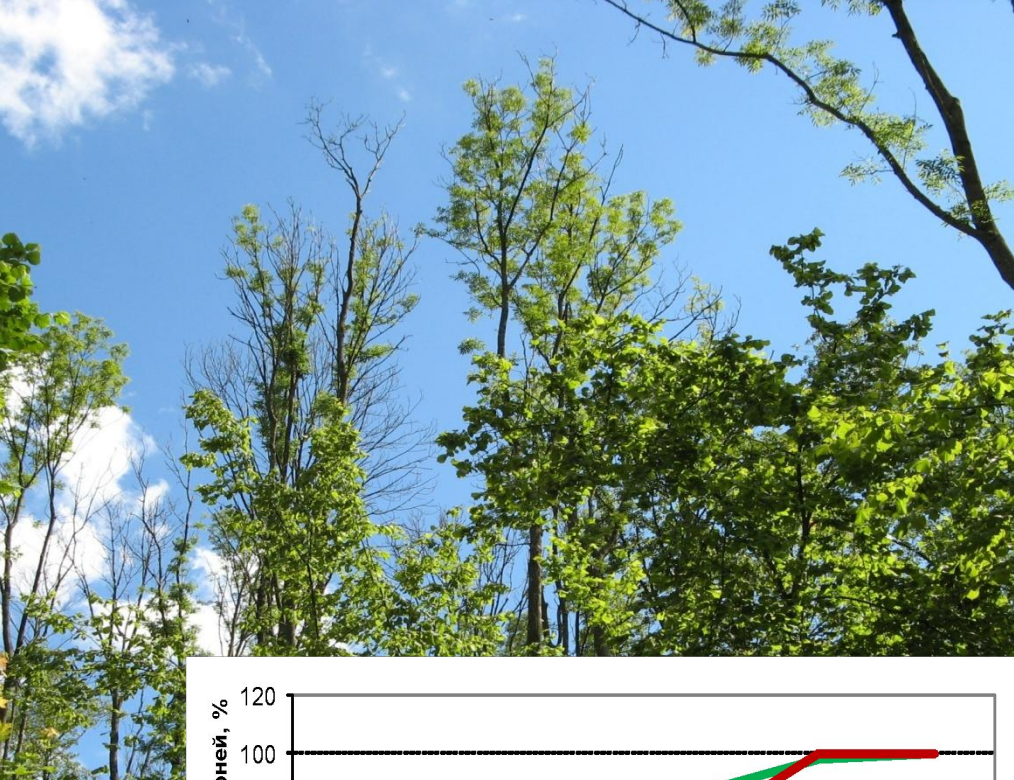
During the period 2003-2013 the area of ash stands decreased by **23.5%**.



In the Mogilev region **45%** of ash stands fell, in Brest region - **36.5%**.

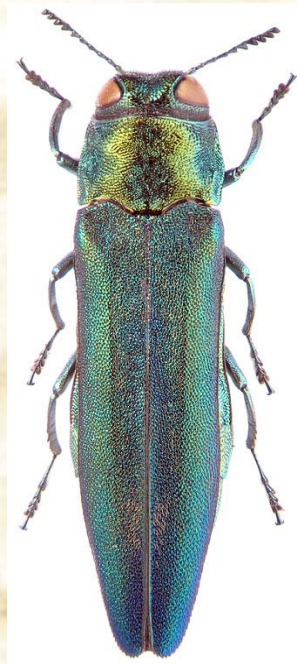
The main scientific fields of the department:

Identification of the dynamics of forest pathological processes

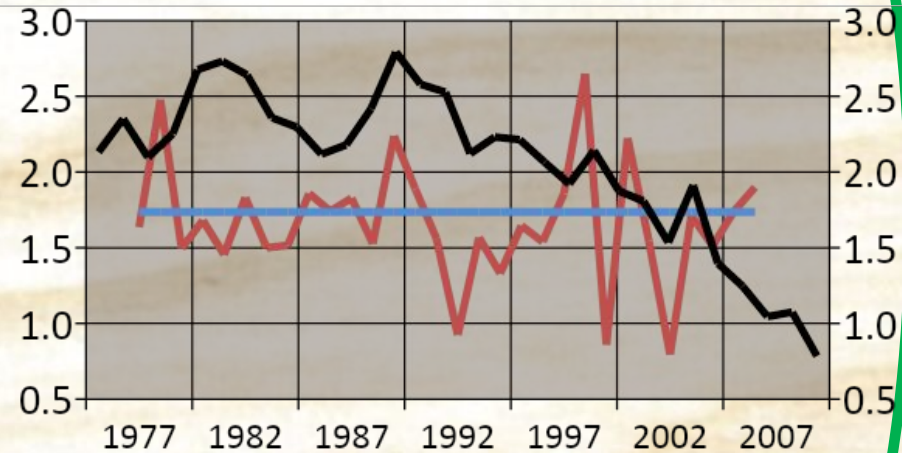


Monitoring of quarantine and invasive insect species - pests and pathogens in forests of Belarus

Invasion of the fungus *Hymenoscyphus pseudoalbidus* (Queloz et al., 2011) and the emerald ash borer *Agrilus planipennis* Fair.



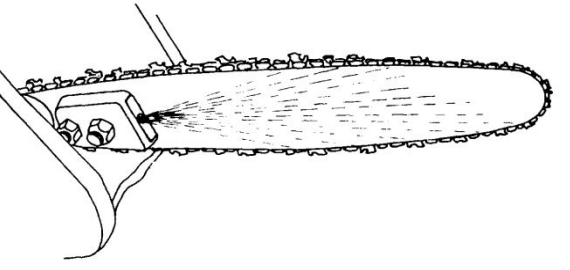
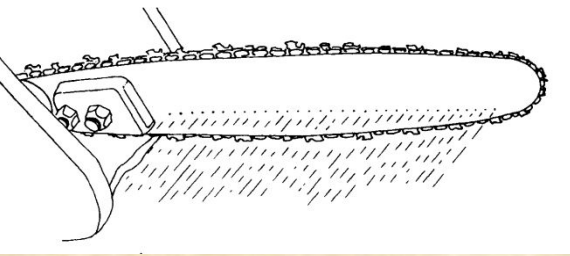
The disturbance of the trees stability by the alternation of abnormally dry and waterlogged vegetation periods at the turn of the XX and XXI centuries



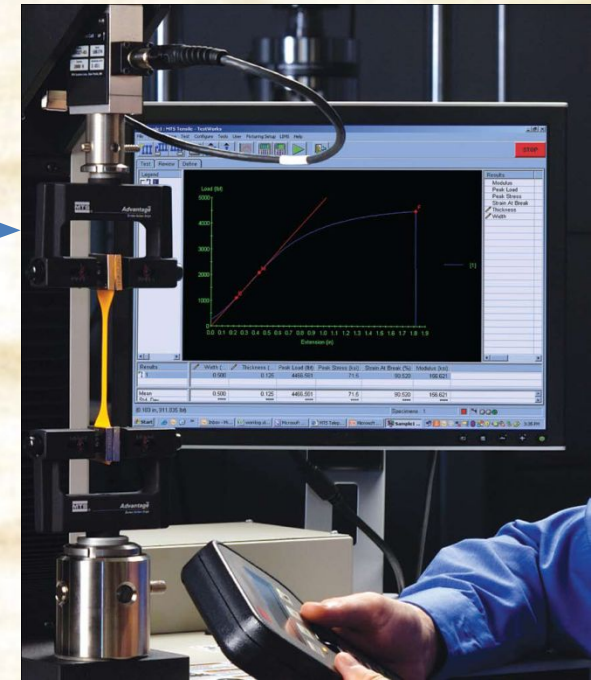
Ash dieback as a result of root systems destruction by fungi of the genus *Armillaria*

The main scientific fields of the department:

Development of new methods and forest protective means against pests and pathogens



The main scientific fields of the department: Study of wood properties of and wood materials



The main scientific fields of the department:

Development of methods and means of wood protection



Together we will protect our forests!

