



*Science is always wrong. He never solves a problem without creating ten new ones.*

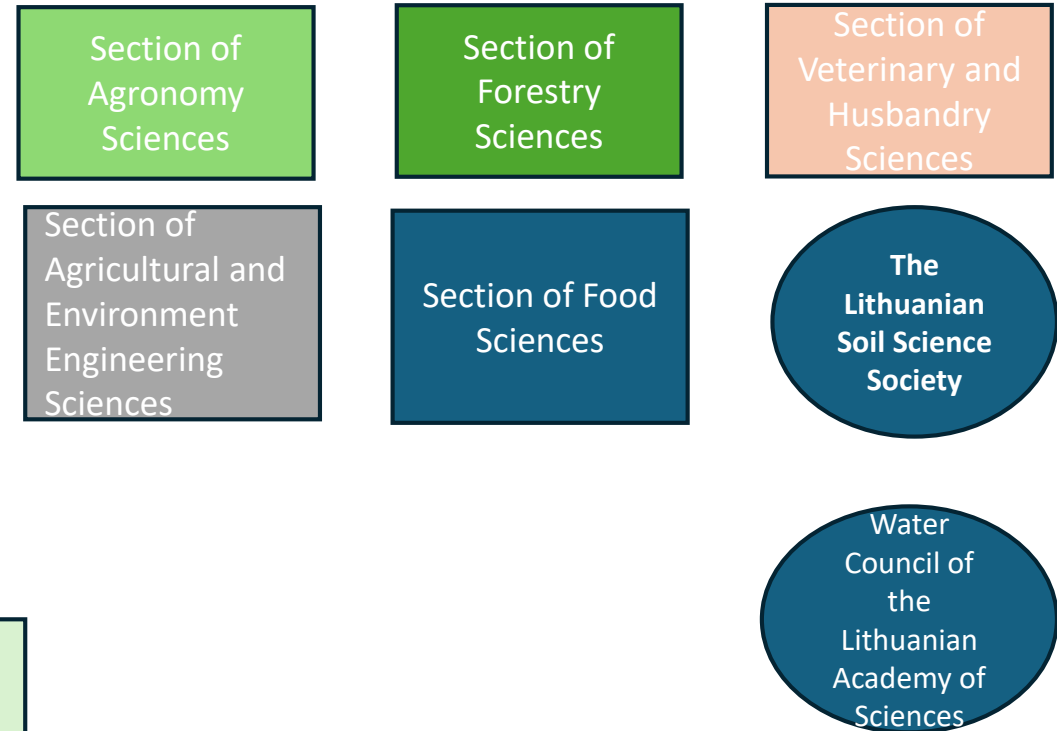
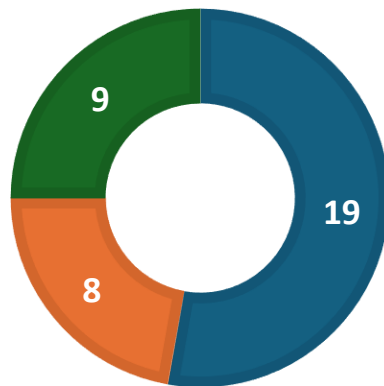
B. Shaw.

# Activities of members of the Division of Agricultural and Forestry Sciences

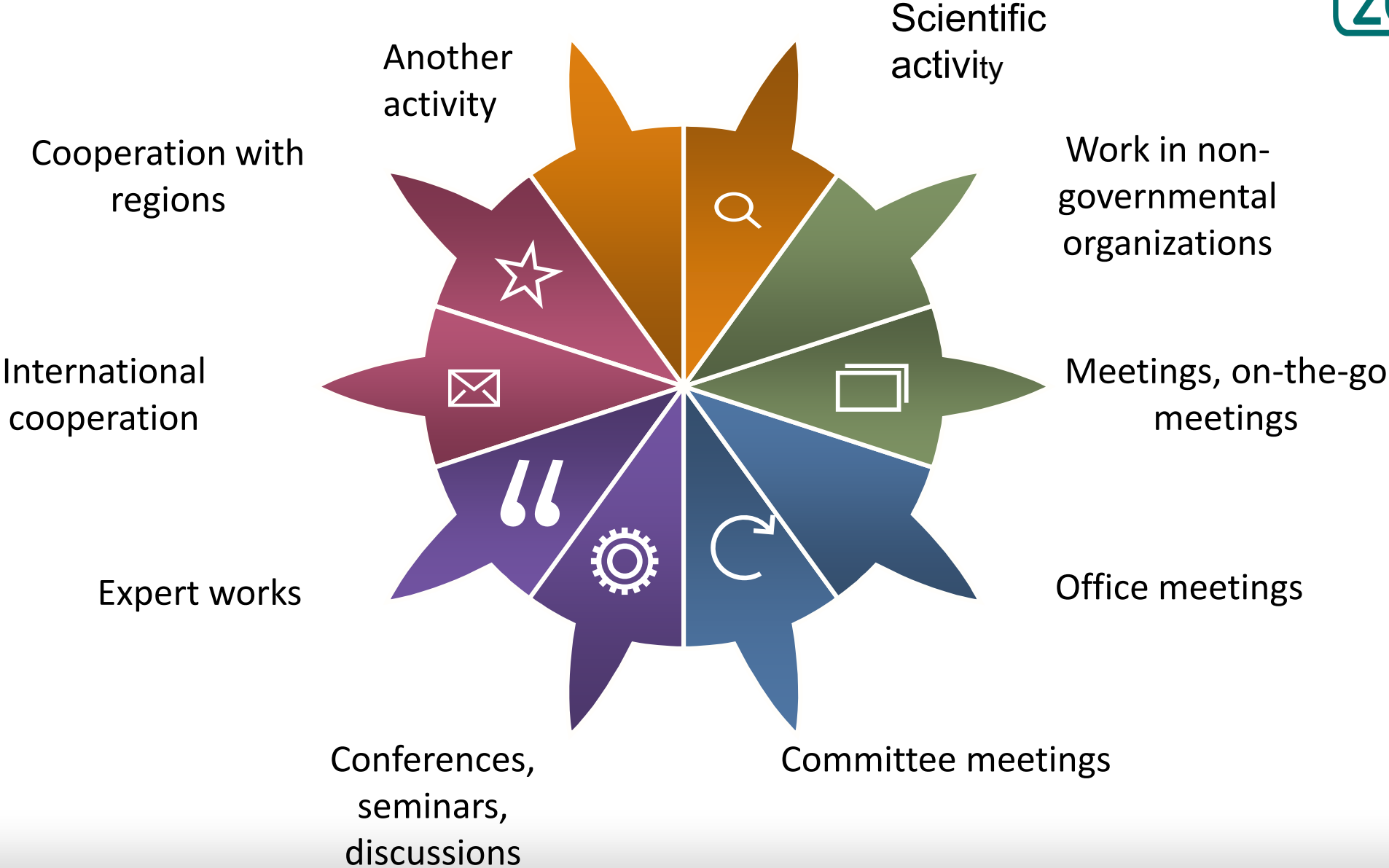
Vidmantas Stanys

## DIVISION OF AGRICULTURAL AND FORESTRY SCIENCES

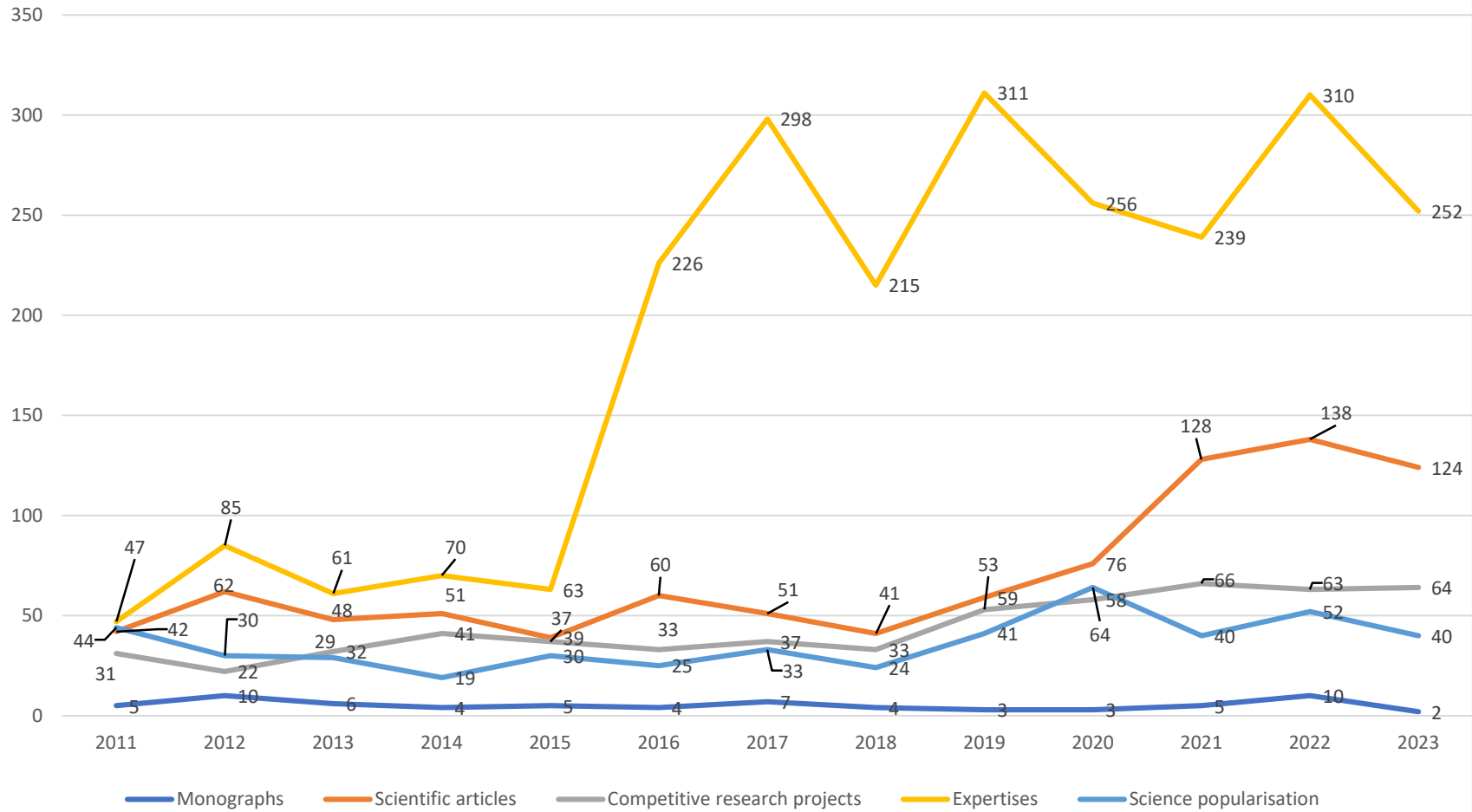
■ Full members 
 ■ Members emeriti 
 ■ Foreign members



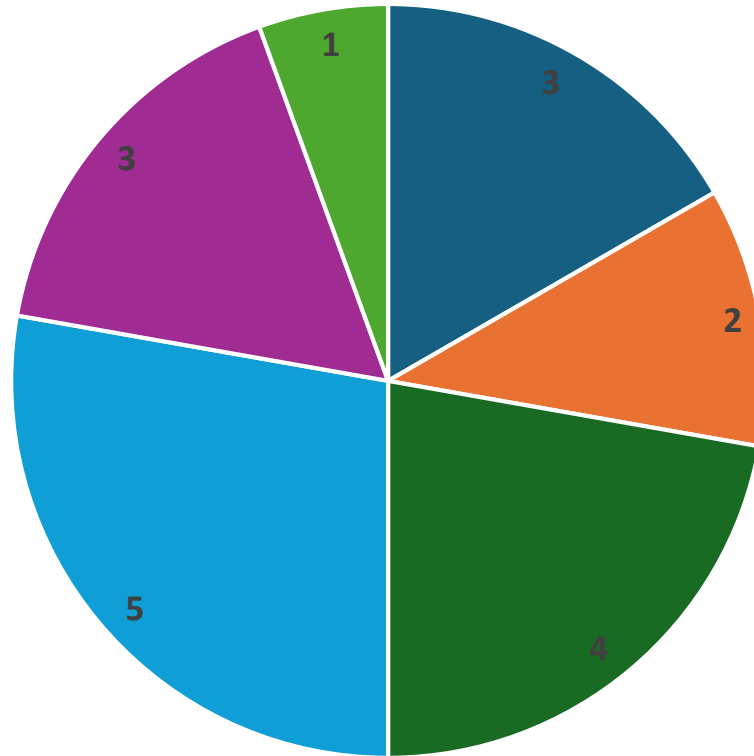
# Areas of activity of the division



Members' scientific output 2011-2023



# Conferences, seminars, discussions organized in the division last year



The department organized a total of 18 events

International conferences   ■ Congresses, symposia   ■ National conferences   ■ Seminars, discussions   ■ Memorial events   ■ Out-of-town meetings

Joint virtual conference on future cooperation of the Lithuanian Academy of Sciences (LAS) and the Academy of Sciences of Moldova (ASM), Thursday, 4 July 2024

# INTERNATIONAL COOPERATION



- A. Motuzas
- A. Povilaitis
- V. Ruzgas
- A. Sederevičius
- E. Bartkienė
- G. Samuolienė
- E. Šarauskis
- P. Viškelis
- H. Žilinskas



Collaboration with scientists from 14 countries

# Section of Agronomy sciences



Giedre Samuoliene

- Plant photophysiology;
- Plant controlled environment agriculture advancement;
- Plant morphogenesis and flowering initiation;
- Ecophysiology;
- Plant productivity;
- Biodiversification of horticultural plants.

## Section of Agronomy sciences



Vytautas Ruzgas

- Genetics of Agricultural and Horticultural plants;
- biotechnology
- breeding.



Vidmantas Stanys

- The biopotential formation of multi-purpose grasses,
- new energy plants, as well as their quality and suitability for processing into bioproducts.



Žydrė Kadžiulienė



## Section of Forestry Sciences



Darius Danusevičius

- Investigation of Evolution of forest tree populations;
- ecological, molecular and quantitative genetics.



Kęstutis Armolaitis

- Quality and sustainability of forest soils;
- organic carbon and plant nutrient cycling in agro- and forest ecosystems;
- sustainable forest fuel management;
- carbon sequestration and greenhouse gas (GHG) emissions from different land (forest land, grassland and cropland) uses.

## Section of Veterinary and Husbandry Sciences



Henrikas Žilinskas

Investigation for improving reproductive efficiency farm animals.



Mindaugas Malakauskas

1-prevalence of pathogens and their transmission routes to humans through products of animal origin.  
2- bacterial resistance to antibiotics



Antanas Sederevičius

Studies of the physiological and pathological mechanisms in animals.

# Section of Agricultural and Environment Engineering Sciences



Egidijus Šarauskis

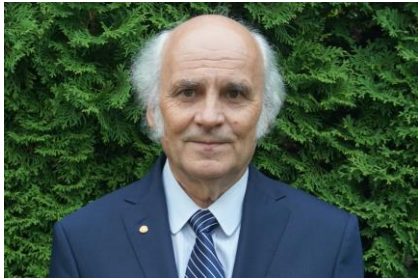
- Precision agriculture,
- use of agricultural robots in crop production,
- assessment of the impact of agricultural technological operations on soil and environmental pollution.



Arvydas Povilaitis

- Water engineering;
- soil hydrology;
- transport of materials in river basins;
- application of biotechnology in drainage systems;
- nano technologies in irrigation.

## Section of Food Sciences



Pranas Viškelis

- Chemical composition of fruits, berries and vegetables and technological properties.
- Modelling and optimisation of storage and processing processes.
- Developing recipes.



Elena Bartkienė

- Development of food (bio)technologies, and factors influencing consumers' food choices.



Thank you for your attention!