

Research Overview

University Constantin Brancusi

- Faculty of Economic Sciences
- Faculty of Medical and Behavioural Sciences
- Faculty of Education Sciences, Law and Public Administration
- Faculty of Engineering

FACULTY OF ECONOMICS

Centre for Fundamental and Applied Economic Studies

CSEFA aims to understand and research complex problems that society is currently facing, while contributing to the training and stimulation of student research

Research directions:

- Community dynamics and sustainable development
- Information technologies for digital inclusion and sustainable development
- Entrepreneurship for a sustainable circular economy



FACULTY OF MEDICAL AND BEHAVIORAL SCIENCES



The Research Center "Health and Motricity"

Aims to become pole of excellence in interdisciplinary research and student teaching.

Research Directions:

- improving the health of the population,
- preventing diseases associated with sedentary lifestyle
- optimizing physical performance through modern scientific methods.



FACULTY OF EDUCATIONAL SCIENCES, LAW AND PUBLIC ADMINISTRATION



Centre for Interdisciplinary Research in Political and Administrative Sciences "KONRAD ADENAUER"

The mission of the centre is to carry out scientific research activities in the field of political and administrative sciences

Research directions:

- optimize and the administrative system in the Romanian and European space;
- E-government;
- understand and support public policies and governance;

FACULTY OF ENGINEERING

RESENERG Research Centre

RESENERG performs research in the energy field but also in environmental impact, process management, ecological reconstruction.

Research directions:

- Management of industrial processes;
- Optimization of energy production technologies from both fossil fuels and renewable sources;
- **Development and promotion of technologies for the production of construction materials using waste from the energy industry as alternative sources of raw materials: slag and ash from thermal power plants, Rovinari fatty clay, drilling mud, metallurgical slag;**



FACULTY OF ENGINEERING

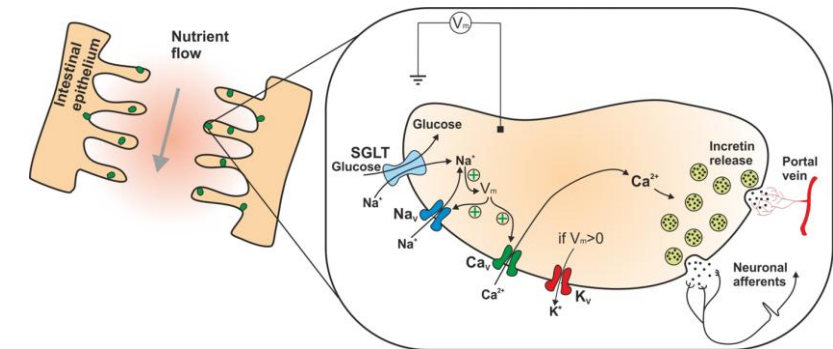
Research Centre for Agriculture, Food and Sustainable Technologies

"AgroAlimTech" research of sustainable food system and address global challenges related to agriculture and food



Research Directions:

- Increasing the role of scientific research in the development and transfer of results to agricultural producers, industry and consumers.
- Understanding the molecular mechanisms that make food healthy or unhealthy



FACULTY OF ENGINEERING

Reliability and Durability of Mechanical Systems

Research Centre



The research concentrate in the field of Industrial Engineering

Research Directions:

- Optimizing the CNC plasma cutting process to reduce costs and improve performance and quality;
- Studies and research on the optimization of plasma cutting parameters;
- Study of the construction parameters and mechanical properties of beam systems reinforced with composite materials;



TECHNOLOGY TRANSFER CENTER

CTT-UCB is a connector between academic research and industry.

Fields of activity:

- Industrial and Materials Engineering
- Digitalization
- Bioeconomy



Examples of projects supported by the centre:

- **Process for obtaining compaction masses with reinforcement based on hydraulic binder**
- **Process for obtaining heat-insulating concrete based on heavy ash of power plant**
- **Construction brick manufacturing process using industrial waste**

THANK YOU!