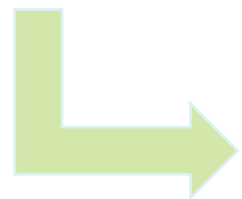




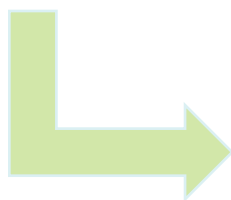
SUP-RIM: Research network of life science universities for the
development of the Polish dairy sector

Warsaw University of Life Sciences

„Research network of life sciences universities for the development of the Polish dairy sector – a research project”



Innovations in dairy science



Conducting scientific research to support the dairy sector in terms of innovative and safe production while maintaining good environmental practices in the aspect of progressive climate change.



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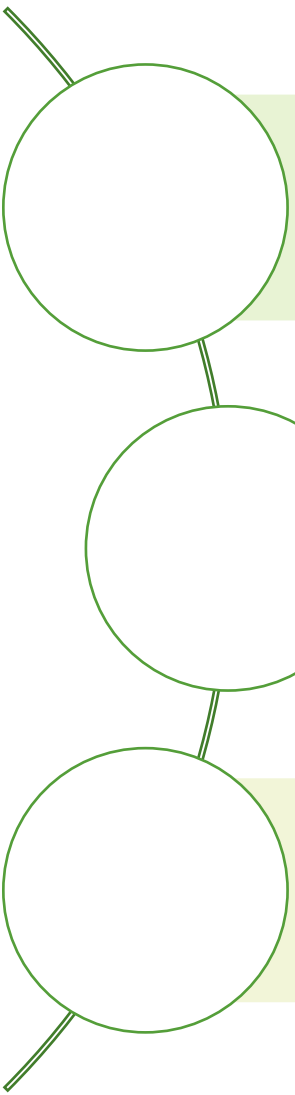
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Panel of innovative research for the analysis of raw materials and dairy products towards improving their safety, quality, and health-promoting properties

Innovative engineering solutions to support pro-environmental activities of Polish dairy plants

Promoting the consumption of dairy products and new knowledge about dairy products in terms of their health-promoting properties

PANEL OF INNOVATIVE RESEARCH FOR THE ANALYSIS OF RAW MATERIALS AND DAIRY PRODUCTS TOWARDS IMPROVING THEIR SAFETY, QUALITY, AND HEALTH-PROMOTING PROPERTIES

- New methods to evaluate the quality and safety of raw materials and final products:
 - Comparative evaluation of the level of health-promoting substances, anti-nutritional compounds in cow's milk, goat's milk, sheep's milk, etc.
 - Evaluation of the pro-health potential of dairy raw materials (anticancer, anti-inflammatory, antioxidant, opioid properties), molecular tests in raw material
- Innovative recipes/technologies for the production of dairy products/plant-based substitutes:
 - **A set of innovative recommendations and formulas** for the production of new dairy products, e.g., recipes for functional products for athletes, weight loss, and diabetics.

INNOVATIVE ENGINEERING SOLUTIONS TO SUPPORT PRO-ENVIRONMENTAL ACTIVITIES OF POLISH DAIRY PLANTS

- Methodology and technologies related to effective wastewater treatment strategies
- New concepts for the treatment and management of nuisance organic waste generated in dairy plants
- New knowledge of the carbon footprint created by dairy farming

Example:

- **concept and technical design of a hybrid constructed system** for the treatment of wastewater from a wastewater treatment plant
-> construction of hybrid constructed wetland (CW) demonstrator



PROMOTING THE CONSUMPTION OF DAIRY PRODUCTS AND NEW KNOWLEDGE ABOUT DAIRY PRODUCTS IN TERMS OF THEIR HEALTH-PROMOTING PROPERTIES

- conducting an information and publicity campaign on the implementation of the task
- dissemination of knowledge, aimed at designated consumer groups
- studies on dietary preferences related to dairy products
- workshops to disseminate the task
- preparation of a report for dairy plants and a scientific/industrial publication





Sieć
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Thank you for your attention



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