UNIVERSIDAD DE BURGOS | ICCRAM

Main Research Lines | ICCRAM

LINE 01

ENVIRONMENTAL BIOTECHNOLOGY

Application of microbial communities for bioremediation of ecosystems and development of nature-based solutions. Identification of the effects on soil health in order to promote sustainable agriculture.

LINE 02

SUSTAINABILITY & CIRCULAR ECONOMY

Life Cycle Sustainability Assessment, including environmental, economic and social aspects to develop Circular Economy and sustainable solutions.

LINE 03

MICROBIOLOGY & TOXICOLOGY

Environmental toxicology assessment in line with the Safe and Sustainable by Design (SSbD) European framework for novel nanomaterials and chemicals.

LINE 04

BIOMEDICINE & CELLULAR TOXICOLOGY

Human and environmental hazard assessment for novel nanomaterials and chemicals. SSbD Strategy. Biomedical studies related to human health.

LINE 05

MATERIAL DESIGN & MODELLING

Computational analysis and in-silico design of material properties to meet the industrial needs. Artificial Intelligence & Machine Learning.

LINE 06

ELECTROCHEMISTRY & ENERGY STORAGE

Development of new analytical techniques to study key processes in energy storage. Chemical strategies to predict and increase the lifetime of batteries.

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