



Annual PhD Workshop on Biotechnology 2025

16th July 2025 – Auditório Comendador Arménio Miranda (EBI-100)

Time	Name	Thesis title
9:30	Opening	
9:40	Ana Sofia da Silva Sousa	<i>TP - Biofertilizers and Soil Transplants for Enhancing Soil Health and Crop Production under Water Stress Conditions</i>
10:00	Ana Isabel Paupério Mendes Ribeiro	Development of New Food Products with Alternative Proteins Obtained from Agrifood Byproducts
10:20	Ana Margarida Martins Vilas Boas	Development of Functional Hydrogels Encapsulating Bromelain Recovered from Pineapple by-Products for the Control of Inflammatory Bowel Diseases
10:40	Ana Sofia Fontes da Silva	<i>TP - SOFTSCAR - Dispositivos Médicos Emissores de FIR com Propriedades Antimicrobianas e Antitranspirantes para a Reabilitação de Amputados</i>
11:00	Coffee Break	
11:20	Juliana Isabel Soares Aguiar	Design of Microfluidic-Based Approaches for the Bioanalytical Assessment of Public Health-related Parameters in Water Sources for Human Consumption
11:40	Célia Maria da Silva Freitas Costa	The role of gut microbiome in the senolytic activity of natural compounds explored for prevention of age-related intestinal inflammation
12:00	Kavita Bhavin Sorathiya	Natural Solutions to Develop Healthier Clean Label Foods

Lunch break

Time	Name	Thesis title
14:20	Anissa Catalina Davel	<i>TP - The Need for a Holistic Approach to Change the Agrifood System</i>
14:40	Harsimran Kaur	<i>TP - COUSIN - Crop Wild Relatives Utilization and Conservation for Sustainable Agriculture</i>
15:00	Mahsa Farrokhi	Sustainable Development of Free-From Baking Mixes Based on a Circular Economy Model
15:20	Francisco Alves Pereira Rodrigues	<i>TP - NextME - Engineering materials for production of NEXT generation knee MENiscus implants</i>
15:40	Coffee Break	
16:00	Lourenço Ascensão Marques Pinto de Rezende Rodrigues	Urban Farming for All: Looking at Safety in Urban Food Production to Tease Out the Best Approaches
16:20	Marco Filipe Pinto Duarte	Impact of Stress on Molecular Mechanisms of Skin Aging: Role of Skin Microbiota



17th July 2025 – Auditório Comendador Arménio Miranda (EBI-100)

Time	Name	Thesis title
9:30	Opening	
9:40	Arlindo André e André Cima	Bio-Ingredientes Funcionais para a Indústria de Bebidas a partir de Extratos de Plantas Aromáticas e ou Medicinais Endógenas da Região do Barroso
10:00	<i>Daniela Marisa Vale Ferreira</i>	<i>TP - Development of New Food Products using Agro-Industrial Byproducts for the Cereal Industry Sector</i>
10:20	Djedjiga Bellouche	Algae Biorefinery: Unlocking the Potential of Algal Biomass for Sustainable Protein Ingredient Production
10:40	Israel Bautista Hernández	Biorefinery Approach for Biofunctional Protein-Rich Extracts Obtention Using Algae Biomasses as Novel Sources of Food Additives
11:00	Coffee Break	
11:20	Joana Patrícia Rodrigues Gonçalves	Innovative Sweetening Agent Ingredients Obtained from Fruit and Vegetable by-Products for Reducing Sugar Content and Shaping the Sweetening Power in Foods
11:40	Maria João Morais Nunes	Evaluation of the Impact of Nitrite Reduction in Processed Meat Products and Development of a Healthier Alternative Strategy
12:00	Maria Manuel Pereira de Melo Rodrigues	Design of Microfluidic Paper-Based Sensors for Monitoring Biological Fluids of Non-Invasive Collection - Chemical and Biochemical Assays in Newborn's and Children's Saliva

Lunch break

Time	Name	Thesis title
14:20	Mariana Correia Pedrosa	SUSPLA: Development of PLA Biofilms from Food Waste, Incorporated with Bioactive Preserving Molecules
14:40	Éva Marandet	Examining the Impact of Novel Cohesion Regulators in Chromosomal Segregation Fidelity
15:00	Marta Maria Gallis Ramalho	Understanding the Role of Liquid Organelles in Influenza Viral Zoonotic Spillover
15:20	Mariana Sofia Brandão Godinho	Development of New Bioinoculant Formulations to Improve Maize Growth under Drought and Reduced Chemical Fertilization
15:40	Coffee Break	
16:00	Maria Teresa de Moura Pereira Bento de Carvalho	Edible Insects and Food Safety: Providing Scientific Insights for the Agro-Food Sector
16:20	Sofia Luísa Pereira de Sousa	BE@T – Bioeconomia para Têxtil e Vestuário, investimento TC-C12-i01 – Bioeconomia Sustentável



18th July 2025 – Auditório Comendador Arménio Miranda (EBI-100)

Time	Name	Thesis title
10:10	Opening	
10:20	Srishti Singh	Novel approaches to improve properties of cellulose-based packaging. A critical study on safety
10:40	Diana Isabel Pinto de Almeida	Development and Characterization of a New Akkermansia Muciniphila-Based Synbiotic Gut Biomodulator and Its Role Against Foodborne Enteropathogens
11:00	End-of-event coffee	