



UNIVERSITÀ DEGLI STUDI DI MILANO

DOTTORATO IN SCIENZE PER I SISTEMI ALIMENTARI
PHD PROGRAM IN FOOD SYSTEMS



Milan, January 28th 2022

Food Systems Journal Club

*presentation and discussion of the research projects proposed by students
enrolled for the XXXVII cycle of the PhD Program*

Dear colleagues, dear students

the presentation and discussion of research projects proposed by students enrolled for the XXXVII cycle of the PhD Program is planned for February 23rd 2022. The **Journal Club** will run as per the program indicated below.

The speakers have been grouped in sections based on the topics of their research project proposal, **the students of the XXXIV/XXXV cycle will have the honor to chair the thematic sections.**

The speakers are invited to present, **in 5 min time**, their project proposal taking care to highlight the following points:

- **Statement of the research problem** (*the literature review should reveal some questions or issues, which call for further investigation. Ideally, the problem to be tackled in the research should emerge naturally and inexorably from the literature review. A clear and succinct statement of the research problem should be made, together with a set of specific hypotheses, predictions, or questions that the research project will address*);
- **Research design & methodology** (*the student should present the overall methodological approach and a tentative timeline for achieving aims and objectives; since determination of the most appropriate methodology is not always a straightforward matter, candidates should justify the methods chosen, with an appropriate rationale in each case*);
- **Contribution to knowledge** (*the PhD project should address a new and significant contribution to a specific research area, whether through the discovery of new knowledge, the connection of previously unrelated facts, the development of new theory, or the revision of older views*);
- **Possible application potentialities and scientific and/or technological and/or social and/or economic impact, of the research products**

All the above key features will be examined by the PhD teaching board to provide suggestions aimed to ameliorate the project proposal.

The **Journal Club** will be a *virtual event* using the Microsoft Teams platform (channel **Journal Club** <https://teams.microsoft.com/l/channel/19%3ae556348ad0504d698fda799985a2baca%40thread.tacv2/Journal%2520Club?groupId=d9a57bc9-e73c-475b-a759-7f911dcd9fc9&tenantId=13b55eef-7018-4674-a3d7-cc0db06d545c>). **Language of the event is English.**



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Wednesday 2022-02-23,

9:30 – 10:00

Chairman/Chairwoman	Speaker	Project
	Andrea Casson	<i>Development of LCA (Life Cycle Assessment) calculation models to support decision-making processes and the assessment of opportunities for the optimization of production, the promotion of the circular economy and the reduction of waste of resources in the agri-food supply chains and in the food packaging chains</i>
Valeria FRIGERIO	Federica De Agostini	<i>Mitigation of the environmental impact through sustainable packaging solutions and optimization of the shelf life: the case of coffee</i>
	Stefano Gerna	<i>Integrated green strategies for the management, recovery and recycling of waste in a dairy farm</i>

Wednesday 2022-02-23,

10:05 – 10:35

Chairman/Chairwoman	Speaker	Project
	Sara Margherita Borgonovi	<i>Molecular determinant of structural behavior of food-related macromolecules</i>
Davide EMIDE	Tommaso Bellesia	<i>ECO-sustainable PACKaging MATerials for the food industry (ECOPACKMAT).</i>
	Eleonora Loffredi	<i>Multidisciplinary approaches to the study of multi-phase foods as delivery systems for bioactive compounds</i>



Wednesday 2022-02-23,

10:40 – 11:00

Chairman/Chairwoman	Speaker	Project
Massimiliano TUCCI	Paola Biscotti	<i>Enhancement of milk and dairy products in healthy and sustainable food models (VALILAT)</i>
	Valentina Vinelli	<i>Bioavailability and biological activity of dietary compounds/patterns and their role on human health</i>

Wednesday 2022-02-23,

14:30 – 14:50

Chairman/Chairwoman	Speaker	Project
Andrea BRESCIANI	Giuliana Aliberti	<i>Development of an Healthy and Green Multifunctional Cooking Appliance</i>
	Alessio Sergiacomo	<i>Bioprocesses to improve the sustainability of legume and cereal-based foods</i>

Wednesday 2022-02-23,

14:55 – 15:25

Chairman/Chairwoman	Speaker	Project
Anđela MARTINOVIĆ & Rossella FILARDI	Laura Brunelli	<i>Molecular biology, genetics and (meta)genomics for the optimized use of probiotic microorganisms of industrial interest</i>
	Simona Pizzi	<i>Innovative technological and microbial approaches for the sustainable development of the alcoholic beverage industry</i>
	Giovanni Patania	<i>Response of plant holobiont towards bacterial invasion: a focus on plant-growth promoter and antibiotic resistant bacteria</i>



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Wednesday 2022-02-23,
15:30 – 16:00

Chairman/Chairwoman	Speaker	Project
Alessio TUGNOLO & Serena MALABUSINI	Shanshiashvili Gvantsa	<i>Improvement of the grape pressing phase to implement the sustainability of wine production (grape press 4.0)</i>
	Alessia Pampuri	<i>Industry 4.0 in the agri-food sector: innovative sensors and SMART logistics to support the sustainability of the supply chain</i>
	Sara Vignati	<i>Green sensors and smart services for the optimization of agri-food supply chains with a view to industry 4.0: greater sustainability of production, business competitiveness and reduction of food waste</i>

(Prof. Diego Mora, Dean
&
the Board of PhD program in Food Systems)