



Re-UNITA

RESEARCH Newsletter

Editorial

Since its creation, the UNITA alliance aims at creating a participative, open, inclusive and effective European university and thus contribute to strengthen the European identity and citizenship. European citizenship, which is central to the development of Europe, is in itself a subject of research, as, while the definition of the rights of European citizens is clear, the feeling of belonging to Europe seems to be spreading much more slowly and heterogeneously than expected.

In order to contribute to the debate, UNITA researchers met and discussed on November 25th (face-to-face at USMB and online) during the second one-day conference (the first edition took place at the Universidad de Zaragoza at the end of 2021) on European citizenship.

This day allowed very rich interdisciplinary discussions around the notion of European citizenship but also its links with fundamental rights. Alfonso De Salas (Former Head of the Division of Intergovernmental Cooperation on Human Rights and Secretary of the Steering Committee for Human Rights, Council of Europe) closed this research day with an intervention entitled: "European citizens and the human right to a healthy environment".

This study day will certainly lead to scientific collaborations between the researchers of the Alliance, collaborations that contribute in themselves to the development of the European identity!

Anne-Sophie Nardelli - anne-sophie.nardelli-malgrand@univ-smb.fr
Mareva Sabatier - vp.recherche@univ-smb.fr
Laurence Vignollet - vpri@univ-smb.fr

Cultural Heritage



"(In)visible Collections Project"

(in)visible collections is a project led by specialists in archaeology and computer sciences to aggregate and manage metadata using digital tools and web platforms.

Cofounded by UniTO and Fondazione CRT, it involves UniTO, PoliTO, the CRAFT and the MAO.

The project promotes Turin's cultural heritage over the internet, making available museum collections that are undiscovered, and thus invisible.

Focus is given to archaeological objects coming from the sites of Seleucia and Coche, in nowadays Iraq.

Site: <https://invisiblecollections.com/>

teacher responsible: **Prof. Vito Messina**

Tag:

Fondazione CRT = <https://www.fondazioneCRT.it/>

PoliTO = <https://www.polito.it/>

CRAFT = <https://www.centroscavatorino.it/>

MAO = <https://www.maotorino.it/it>

Circular Economy

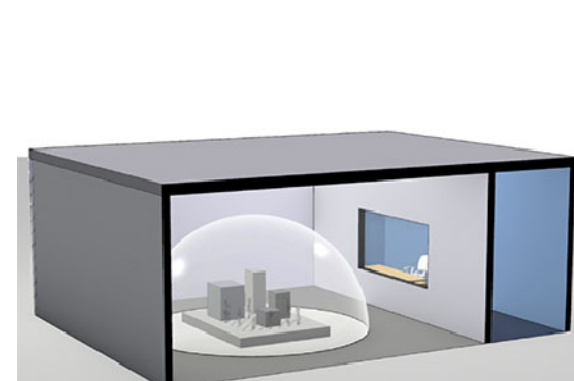


Blended Intensive Program: Introduce Bs students to Research in Circular Economy

Within the university alliance UNITA (which includes Università degli studi di Torino (Italy), Université de Pau et des Pays de l'Adour (France), Université Savoie Mont Blanc (France), Universidad de Zaragoza (Spain) and Universidade Beira Interior (Portugal), West University of Timisoara (Romania)), between 21-25.11.2022, within the Erasmus+ program, a **Blended Intensive Programme: Introduce Bs students to Research in Circular Economy**, took place at the West University of Timisoara, program coordinated by Professor Gabriela MIRCEA, Ph.D. The students had the opportunity to approach Circular Economy research from a multidisciplinary point of view, the lectures being given by various professors and researchers from West University of Timisoara, as well as stakeholders in the Circular Economy field. Also, within the program, a virtual week was between 14-18.11.2022. It was a beneficial and beautiful experience for students and teachers.

<https://univ-unita.eu/Sites/unita/en/Pagina/mobility#bips>

Renewable Energies



HELIOSTIM: An innovative climate simulator

The HELIOSTIM project (in LOCIE laboratory) aims at creating a dynamic climate simulator capable of generating meteorological sequences and accelerated spatial and temporal scales.

This scientific tool for research programs will allow to characterize the performance of solar components or their adaptive functionalities following accelerated climatic sequences and simulate, on a reduced scale, a solar building model in its environment.

Contact: Christophe Menezo - christophe.menezo@univ-smb.fr

PhD student of the month



Federico Verdini, PhD student in Pharmaceutical and Biomolecular Sciences
University of Turin
Department of Drug Science and Technology
Graduate in Industrial Chemistry

Tutor: Emanuela Calcio Gaudino

New Hybrid Technologies for Chemical Process Intensification.

In the context of circular economy, the development of new technologies for the treatment of industrial wastewater for the recovery of the most valuable components or the degradation of specific pollutants is an important goal.

Wastes as olives vegetation water or cow milk containing antibiotics could have a new life (cradle to cradle). New units for liquid/liquid separation and the hybridization of hydrodynamic cavitation with electrical discharge plasma provided excellent scalable results for industrial application.

Woman researcher of the month



Otilia Hedeșan is a Romanian anthropologist, professor of Romanian Civilization and Culture at the West University of Timisoara. She has been coordinating here the Research Centre for Heritage and Anthropology - RHeA for almost a decade (since 2015), set up as a research unit within the Faculty of Letters, History and Theology. She is also the president of the professional association of Romanian ethnologists, Asociația de Științe Etnologice din România - ASER, since 2014. In the professional community, she is known as a specialist in intangible cultural heritage, her priority topics being: Romanian mythology, the traditional storytelling, calendar traditional customs. At the same time, she is concerned with the history of Romanian ethnology, especially during the communist period.

[Keep reading>](#)

Highlights

UNITA Innovation Prize 2022

The UNITA Innovation Prize 2022 will be awarded on December 9th.

This award aims to stimulate open innovation within the UNITA community and to contribute to the knowledge of open innovation between partners within the UNITA community, and outside.

The competition organized by each partner will select the best research teams, spin-offs and start-ups that belong to, or have emerged from, their incubators.

On-line event - [Join here >](#)

”la Caixa” Foundation grants 65 **Doctoral INPHINIT fellowships** for talented early-stage researchers of any nationality to pursue their PhD studies in Spain or Portugal. This fellowships programme is aimed at supporting the best scientific talent and fostering innovative and high-quality research in Spain and Portugal by recruiting outstanding international students and offering them an attractive and competitive environment for conducting research of excellence.

More info:

<https://fundacionlacaixa.org/en/inphinit-doctoral-fellowships-call>