

NEWSLETTER

Understanding and Exploiting the Impacts of Low pH on Micro-organisms

Acidic Friday

Last Acidic Friday

Our successful webinar series will conclude in June. Do not miss the last "Acidic Friday"! It will take place on Zoom at **3:00 PM CEST** 16th June 2023

Save the date!

Don't forget to register:

<https://euromicroph.eu/events/22nd-acidic-friday/>

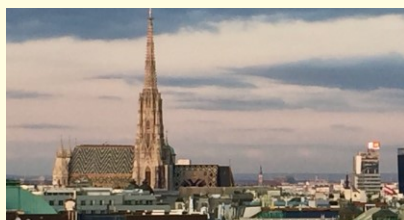
Recent Publications

- The article entitled "*Physical, chemical, and sensory properties of water kefir produced from Aronia melanocarpa juice and pomace*" co-authored by the Action members Fatih Ozogul (STSM grantee) and Daniela De Biase is published in *Food Chemistry: X* <https://doi.org/10.1016/j.foodchem.2023.100683>
- The article entitled "*High pressure processing at the early stages of ripening enhances the safety and quality of dry fermented sausages elaborated with or without starter culture*" co-authored by the Action members Miroslav Ducic (STSM grantee) and Avelino Alvarez Ordonez is published in *Food Research International*. <https://doi.org/10.1016/j.foodres.2022.112162>

A success story!

Dear Action members, in less than 5 months EuroMicropH will be reaching the end of its lifetime, but this will not stop our community from continuing the collaborations and keeping high the awareness on the topic also through applications for funding on more focused, but Action-relevant projects. We are writing reviews on methods and applications that will further contribute to the dissemination of the relevance of the topic. Please also share with you that COST selected our Action as a success story in "building global research communities". You can read more [here](#) and hope you will enjoy reading this Newsletter too!

Daniela De Biase (MC chair) - Peter Lund (MC vice-chair)



EuroMicropH Open Meeting in Vienna

We are pleased to announce that our COST Action Final Open Meeting on "Understanding and exploiting the impacts of low pH on micro-organisms" will be held at TU Wien, Austria, on 18-19 September 2023. The meeting will feature presentations by action participants and invited speakers covering various aspects of low pH impacts on micro-organisms. Researchers and stakeholders are invited to submit abstracts for oral and poster presentations until 15 June via the [website](#). The meeting will cover seven sessions, addressing topics such as molecular mechanisms, clinical applications, biotechnology, and food technology. Additionally, the meeting will have two joint sessions with the European Federation of Biotechnology meeting on Microbial Stress 2023, which will take place at the same venue, but requires a separate registration.

Save the date

The *final EuroMicroPH Open Meeting* to be held in Vienna on **18-19 September 2023**, followed by the European Federation of Biotechnology meeting Microbial Stress 2023, which requires a separate registration.

Stay tuned on our website!

STSM and ITC Grants

Short Term Scientific Missions (STSMs) are how we fund Action members to spend time as visitors working in labs in other COST countries. **Read stories of previous grantees and find out more here:**

<https://euromicroph.eu/stsm/>

EuroMicroPH is also funding participation at conferences for young researchers from Inclusiveness Target Countries (ITC) and near neighbour countries (NNC)! **Read stories of previous grantees and find out more here:**

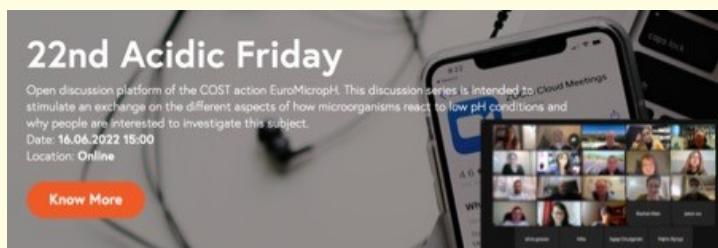
<https://euromicroph.eu/itc-grants>

STSM, VM and ITC-CG funded by the Action

Also in this last year we register, as in the previous year, a great interest for STSM. As a matter of fact, our Action has approved 7 Short Term Scientific Missions (STSM), 1 Virtual Mobility (VM) Grant and 2 ITC-Conference Grants.

A huge thank you goes to the hosting labs for making the STSMs possible and scientifically successful.

Thank you also to Aleksandra Djukić-Vuković (Grant Awarding Coordinator) and to Ricardo Santos (STSM Coordinator) for their invaluable work!



"Acidic Fridays": what a nice journey!

To foster discussions on the effect of low pH on microorganisms during the pandemic, the opening Acidic Friday was held in December 2020, marking the beginning of a series of seminars. Since then, 40+ speakers have presented their research in Acidic Friday sessions. Typically, two speakers shared their insights via Zoom, followed by a fruitful discussion. This format proved to be an effective means of engaging new participants and facilitating communication within the action, even when in-person meetings resumed. On 16 June 2023, the 22nd and final Acidic Friday of the EuroMicroPH funding period will take place. The speakers who will provide valuable insights into their findings.

Our Training School in Paris



The training course of the European COST Action CA181113 entitled "Microscopy for low pH microbiology" took place at the Centre for Interdisciplinary Research in Biology of the Collège de France from May 22 to 26, 2023. The training school was attended by 9 students. Theoretical and practical courses were given by experts in the field. Students had access to the state of the art microscopy equipment of the CIRB microscopy facility. They performed experiments with diverse biosensors in acidic environments and visualized their responses by epifluorescence microscopy, confocal microscopy and structured illumination microscopy. Finally, the students followed a practical training in image analysis to quantitatively evaluate their own data.