



“Compounds from natural sources and organic waste for VBDs”

Thursday, 25th June 2026 14:00-17:00 (CET)

This online event will be on the Teams platform

WG1-WG5/HG4/HG7 Workshop of the COST Action CA21111

One Health drugs against parasitic vector-borne diseases in Europe and beyond OneHealthdrugs

The event is open to PhD, young innovators and senior scientists from both academia and pharma

We are excited to announce the workshop ““Compounds from natural sources and organic waste for VBDs”” organized in the context of the COST Action 21111 OneHealthdrugs – “One Health drugs against parasitic vector-borne diseases in Europe and beyond” (<https://onehealthdrugs.com>). The COST Action network aims to coordinate the discovery of drugs that stop vector-borne infections in both human and veterinary settings according to the principles of the optimal profile for these organisms, increasing quality and reducing environmental impact.

The workshop is jointly organized by WG1-WG5/HG4/HG7 and will cover activities related to sustainable drug discovery for VBDs using natural sources and valorisation of organic waste. Various secondary metabolites from plants and other organisms have achieved regulatory approval for treating infectious diseases. In addition, valorisation of agro-food by-products and organic waste into valuable precursors towards the synthesis of new drugs against VBDs merges circular economy with sustainable drug discovery leading to the development of eco-friendly, cost-effective antiparasitic drugs. The current workshop will provide insights on the recent trends in natural products research for VBDs, exploring the therapeutic potential of natural products along with sustainable methods for extraction, isolation and synthesis. In addition it will incentivise researchers to employ green, responsible and sustainable approaches in the quest for new efficacious and low cost drugs against these diseases.

This collaborative event will provide a platform for scientists, academics, young researchers and industry professionals to share insights, methodologies, advancements, a pipeline and portfolio of approaches in the pursuit of environmentally conscious antiparasitic drug discovery.

We invite contributions from researchers and experts within the *OneHealthdrugs* network. Abstracts will be selected based on alignment with the topic. Please submit your abstract to Theodora Calogeropoulou (tcalog@eie.gr), Guy Caljon (Guy.Caljon@uantwerpen.be), Sandra Gemma (gemma@unisi.it), Elisa Uliassi (elisa.uliassi3@unibo.it), Ulrike Wittig (ulrike.wittig@h-its.org), Harry de-Koning (Harry.De-Koning@glasgow.ac.uk) and Biljana Arsic (biljana.arsic@pmf.edu.rs). The abstract template is attached.

The event registration requires two steps : 1) create an e-COST account in the www.cost.eu and 2) register here: <https://docs.google.com/forms/d/e/1FAIpQLScFKRJK1MJK0g7IsAqc6N8wXgBMA4iKTPeuhIKGVPIrVfy92w/viewform?usp=header>