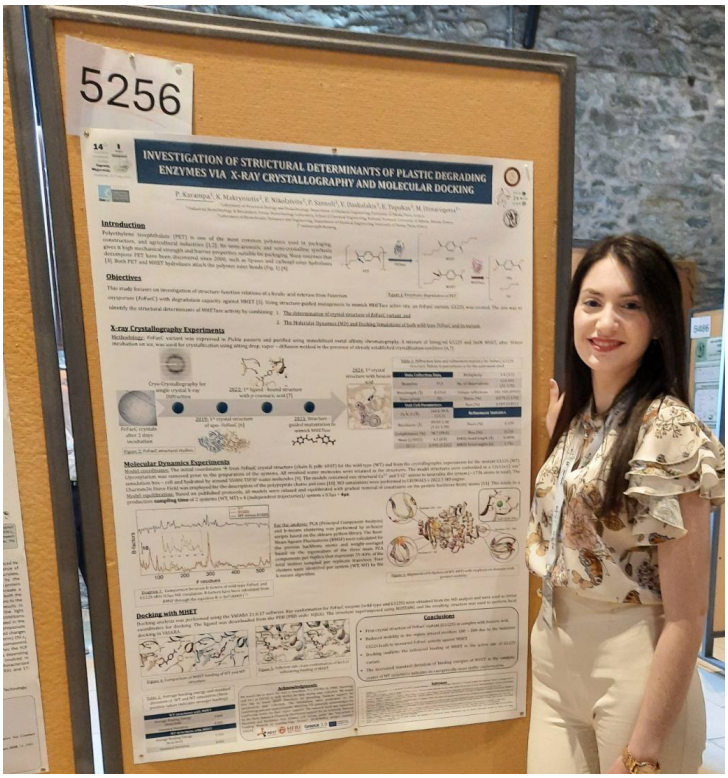
D4.3 Publication and/or presentation in International Conference of at least one determined structure

A series of dissemination activities were conducted to communicate the determined structures of enzymes targeting diverse scientific audiences through posters and publication. The results were also supported by structures' deposition in the PDBe.

Poster Presentations

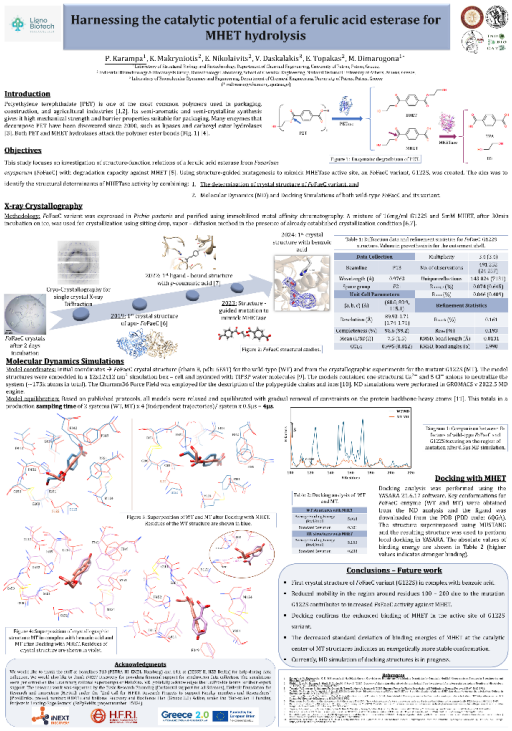
- **14th Panhellenic Conference of Chemical Engineering**, Thessaloniki, Greece (29 – 31 May 2024)

A poster on *"Investigation of Structural Determinants of Plastics Degrading Enzymes via X-ray Crystallography and Molecular Docking"* was presented by Assistant Professor Maria Dimarogona and Ms. Panagiota Karampa (PhD candidate) to an audience of >250 researchers, related to biocatalysis and biotransformation.



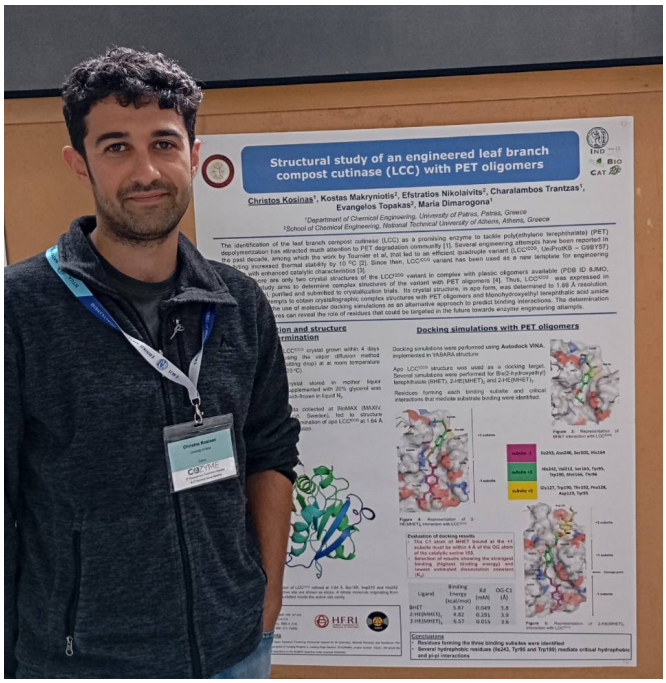
- **7th LignoBiotech Symposium**, Toulouse, France (14–17 October 2024)

A poster on *"Harnessing the catalytic potential of ferulic acid esterase for MHET hydrolysis"* was presented by Assistant Professor Maria Dimarogona in a conference attended by over 100 researchers related to polymer degradation.



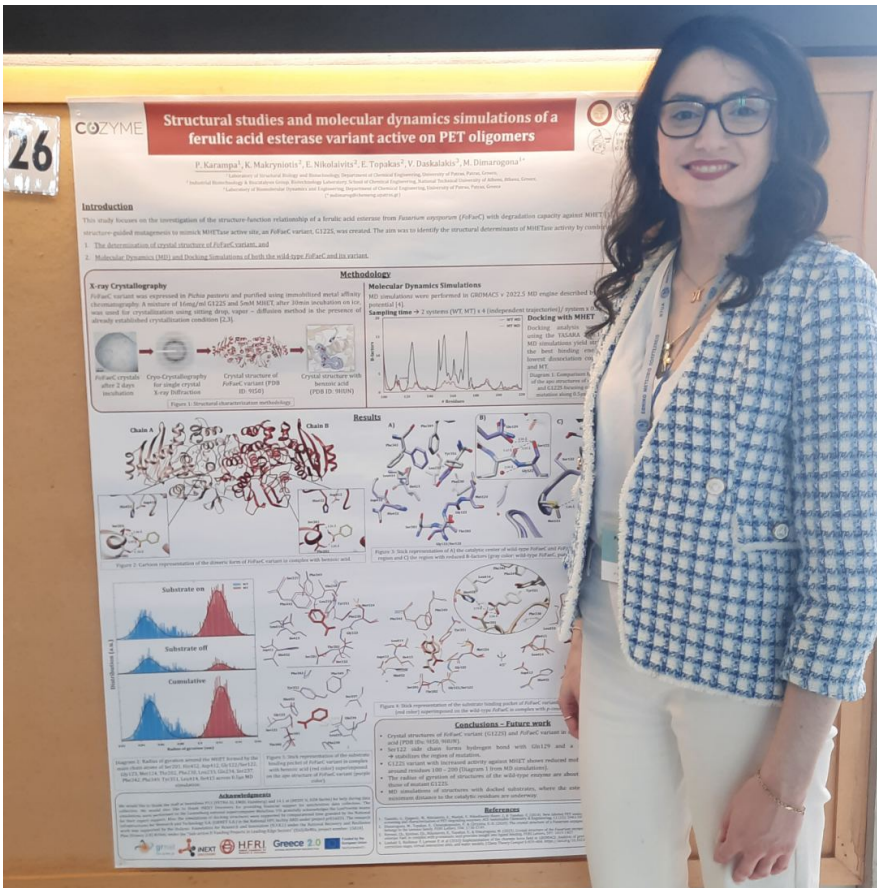
- **5th Management Committee Meeting and 3rd Working Group Meeting of the COZYME**, Athens, Greece (24 – 25 April 2025)

A poster on *"Structural study of an engineered leaf branch compost cutinase (LCC) with PET oligomers"* was presented by Dr. Christos Kosinas in a conference attended by over 200 researchers related to biocatalysis and biotransformation.



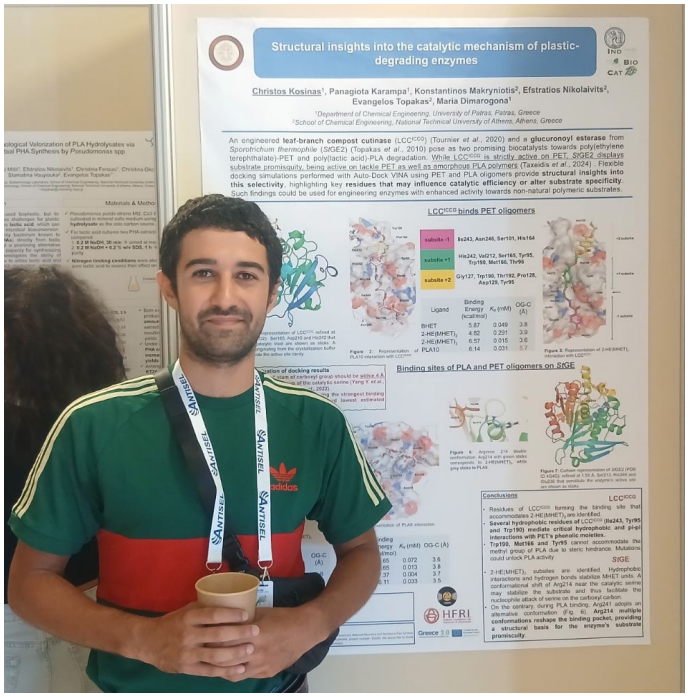
- **5th Management Committee Meeting and 3rd Working Group Meeting of the COZYME**, Athens, Greece (24 – 25 April 2025)

A poster on *"Structural studies and molecular dynamics simulations of a ferulic acid esterase variant active on PET oligomers"* was presented by Ms. Panagiota Karampa (PhD candidate) in a conference attended by over 200 researchers related to biocatalysis and biotransformation.



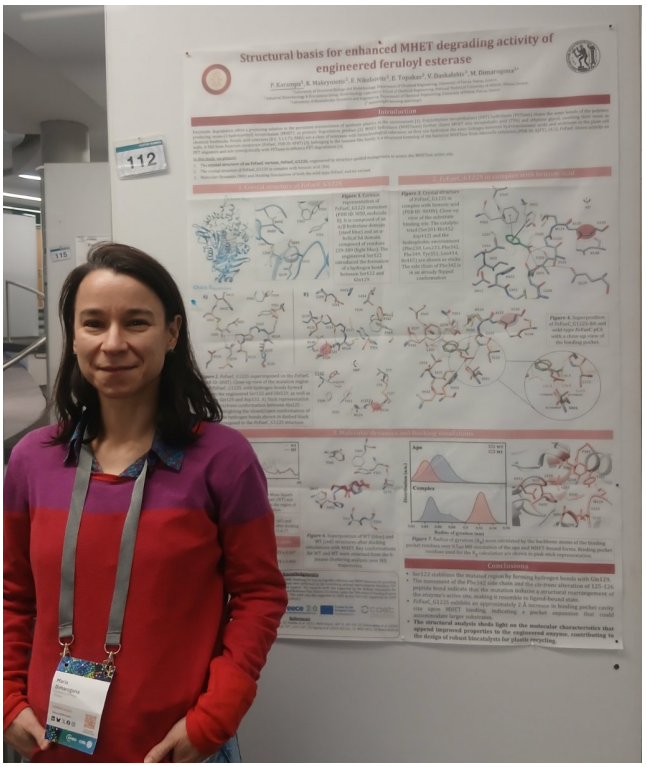
- **Mikrobiokosmos & CEESME Central and Eastern Europe Symposium on Microbial Ecology**, Thessaloniki, Greece (22 – 24 Septemper 2025)

A poster on *"Structural studies into the catalytic mechanism of plastic-degrading enzymes"* was presented by Assistant Professor Maria Dimarogona and Dr. Christos Kosinas in a conference attended by over 200 researchers in the field of microbiology.



- **EMBO Workshop: Computational Structural Biology**, Heidelberg, Germany (2 – 5 December 2025)

A poster on *"Structural basis for enhanced MHET degrading activity of engineering feruloyl esterase"* was presented by Assistant Professor Maria Dimarogona in a conference attended by over 200 researchers in the field of bioinformatics.



Manuscript Publication

A research article titled *"Structural investigation of an engineered feruloyl esterase with improved MHET degrading properties"* was posted as a preprint on bioRxiv (doi: https://doi.org/10.64898/2026.01.05.697840) and is currently accepted for publication at FEBS Letters journal (*in Press*).

PDBe depositions

Two crystal structures have been deposited in the PDBe. Both are currently in "hold for publication" status.

- **PDB ID: 9RD2**, Online (30 May 2025)
  A crystal structure was deposited titled *"Crystal structure of a leaf-branch compost cutinase variant (LCC_ICCG)"* in the PDBe (PDB link: https://www.rcsb.org/structure/unreleased/9RD2)

- **PDB ID: 9TTZ**, Online (8 January 2026)
  A crystal structure was deposited titled *"Crystal structure of an esterase from Aspergillus parasiticus MM36 (AparEst)"* in the PDBe (PDB link: https://www.rcsb.org/structure/unreleased/9TTZ)