

Controlling water quantity and improving water quality: An evaluation of new barrier systems for Permeable Pavement Systems

Natasa Tziampou

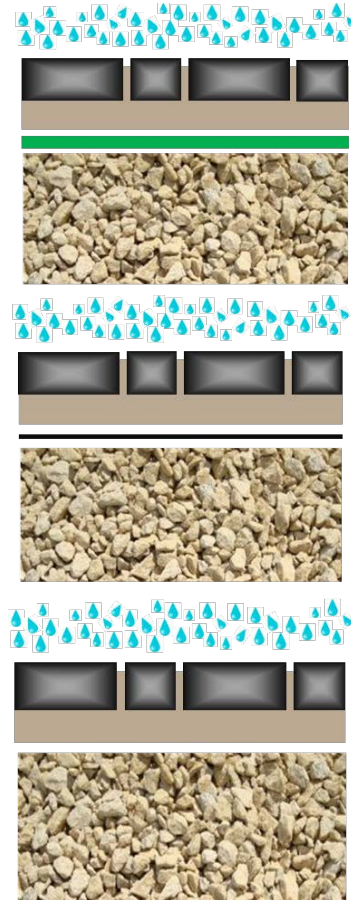
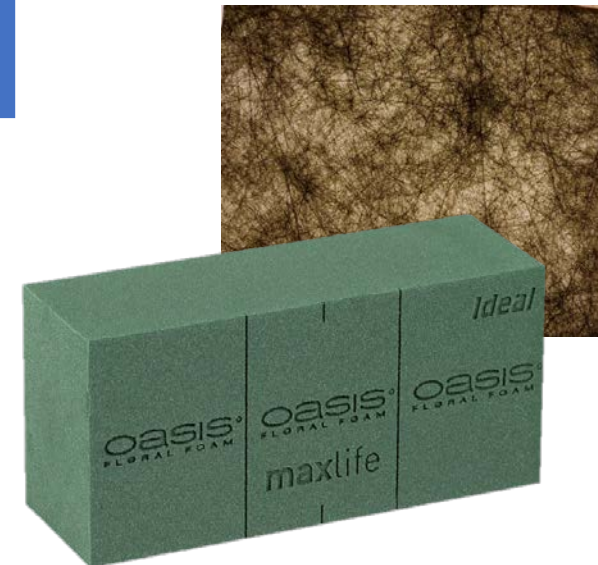
Optimisation of hydraulic and pollutants removal performance of Pervious Pavements Systems. Investigate the potential of OASIS phenolic foam as a water barrier/ treatment system for Pervious Pavement Systems

Research plan

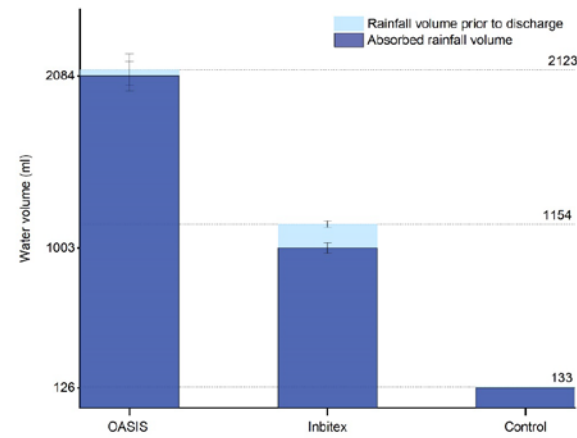
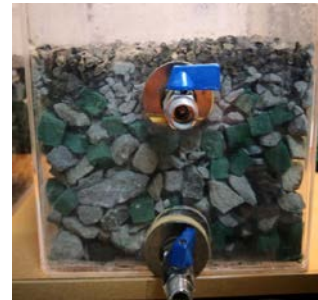
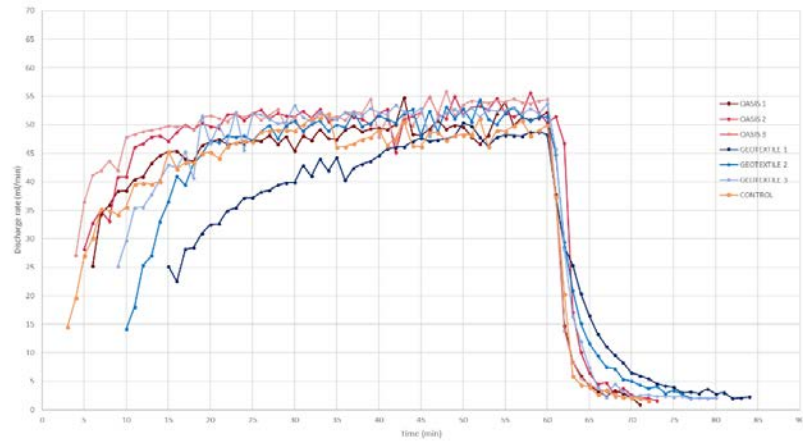
Hydraulic
performance

Structural integrity

Water treatment

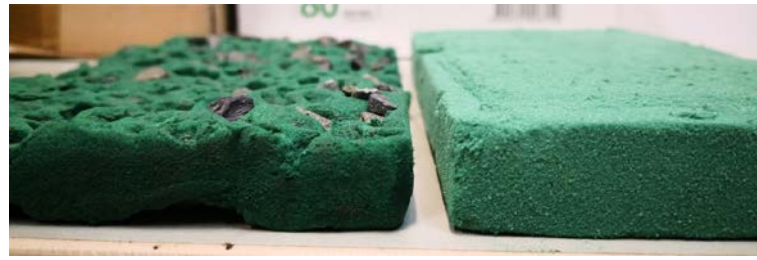
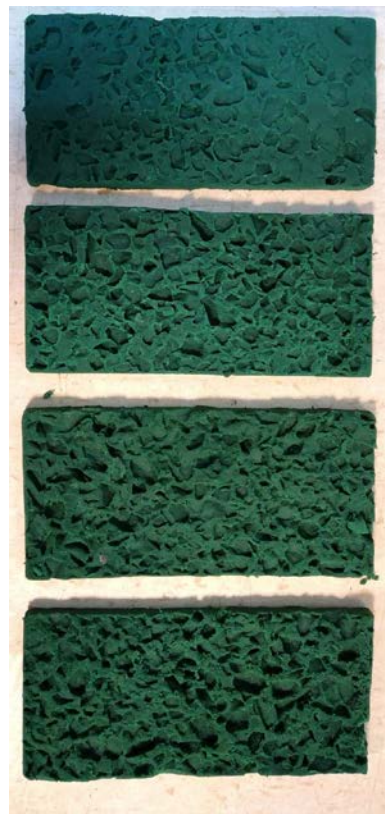
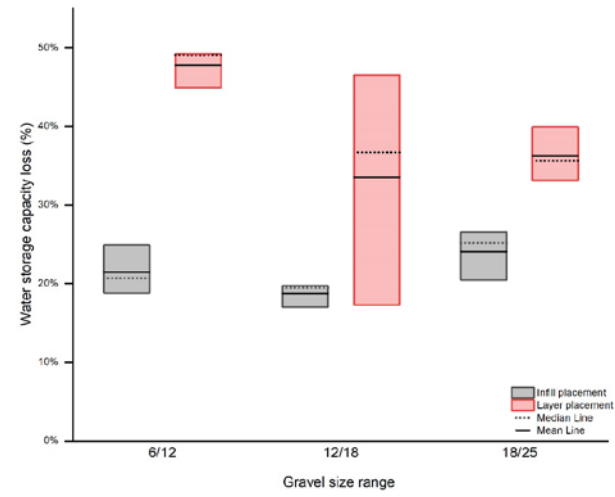
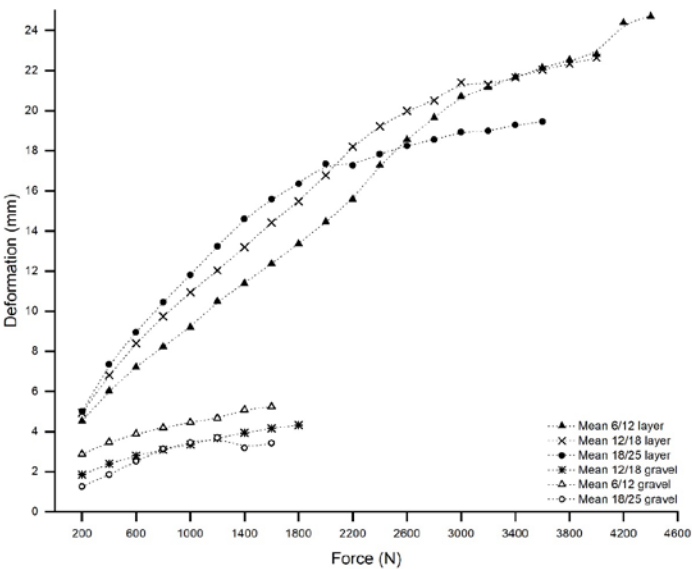


Hydraulic performance



Hydraulic performance

Structural integrity



Courses/Training

- Preparing a poster
- Laboratory Health and Safety practices
- Publishing in the best journals
- Small grants
- Critical reading
- Stand and deliver
- ANSYS training
- Computational fluid dynamics
- Hydraulics and water engineering
- Computational fluid dynamics
- Introduction to research design and writing

Results

- Fluid Transport within Permeable Pavement Systems: A review of evaporation processes, moisture loss measurement and the current state of knowledge (Submitted at Construction and Building materials)
- DCAD conference(oral presentation)
- WaterCon conference (poster)
- SuDsNet conference (oral presentation)
- 2 CAWR symposiums (poster)
- Novatech conference (poster)
- 3MT competition

Work plan

- Gantt charts prepared and followed, approved by a yearly Review panel

Mobility

- Co-tutelle agreement between Coventry University and Universidad de Cantabria (Research stay at GITECO)

Funds

- Internally funded by Coventry University

Ethics

- CU ethics seminar, Academic honesty, Use of plagiarism software (Turnitin)

Thank you !

Research Centre
Agroecology, Water
and Resilience

Coventry
University 



GITECO
UC UNIVERSIDAD
DE CANTABRIA