Removing moisture and odours

INVENTION NUMBER: 2016_060

The Technology

A superior moisture management material that is carbon based and outperforms silica gel.

The material applied to a polymer film or textile has the potential to enhance current moisture management materials in footwear and apparel.

Key Benefits

- Environmentally friendly carbon based material
- Double adsorption capacity compared to silica gel
- Low temperature rapid regeneration
- Low energy costs for regeneration - compared to silica gel
• Stable over many adsorption/desorption cycles

Applications

• Footwear
• Apparel
• Packaging
• Electronics

Researcher Details

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Scientific Specifications

Proof of principle demonstrated through laboratory experiments.

Opportunity

UNSW is seeking a partner to license this technology or to work with the researchers to further develop this technology.

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