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## Research outputs

### **Identifying explanatory variables for willow biomass growth: Application of random forest to a global dataset.**

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### **A Global Short Rotation Coppice (SRC) Willow Dataset for the Bioeconomy: Implications for the Yield in the United Kingdom**

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### **Assessing the Sustainability of Miscanthus and Willow as Global Bioenergy Crops: Current and Future Climate Conditions (Part 2)**

Abdalla, M. (Corresponding Author), Hastings, A., Campbell, G., McCalmont, J., Shepherd, A. & Smith, P., 19 Jun 2025, In: *Agronomy*. 15, 6, 23 p., 1491.

### **Negative emissions: developing the potential of perennial crops for the bioeconomy.**

Castellano Albors, A. (Corresponding Author), Hastings, A., Shield, I., Macalpine, W. J., Lindegaard, K., Tubby, I. & Shepherd, A., 18 Jun 2024.

### **Supergen Bioenergy Hub Response to the Scottish Government Draft Bioenergy Policy Statement Consultation**

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### **Building the Policy Ecosystem in Europe for Cultivation and Use of Perennial Biomass Crops**

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### **Perennial biomass cropping and use: shaping the policy ecosystem in European countries**

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**Novel *Miscanthus* hybrids: Modelling productivity on marginal land in Europe using dynamics of canopy development determined by light interception**

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**On the application of the Mitscherlich-Baule equation to fertilizer response data**

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**Projections of global and UK bioenergy potential from *Miscanthus x giganteus* – feedstock yield, carbon cycling and electricity generation in the 21st century**

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## **Press/Media**

**Blog: Bioenergy from miscanthus**

Shepherd, A.

19/02/21

1 Media contribution

**Blog for Climate Exp0 conference**

Shepherd, A.

19/05/21

1 Media contribution

**Blog: Projections and uncertainties of miscanthus**

Shepherd, A.

25/03/21

1 Media contribution

**Blog: Why miscanthus needs upscaling**

Shepherd, A.

28/04/21

1 Media contribution

**Commercial & environmental benefits of Miscanthus**

Shepherd, A. & Hastings, A.

1/07/20

1 item of Media coverage

**Commercial miscanthus video made by GCB Bioenergy journal**

Shepherd, A. & Hastings, A.

2/07/20

1 Media contribution

**Expanding the Miscanthus market in the UK**

von Hellfeld, R., Hastings, A., Kam, J., Rowe, R., Clifton-Brown, J. C. & Shepherd, A.

16/09/22

1 Media contribution

**Terraviva: New study - Commercial benefits of #Miscanthus highlighted**

Shepherd, A.

1/07/20

3 Media contributions

**Awards**

**Projects**