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Rural Development & Food Marketing  
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## Employment

### Economist

Rural Development & Food Marketing  
Scotland's Rural College  
1 Feb 2013 → present

## Research outputs

### **Brexit: potential impacts on the economic welfare of UK farm households**

Ojo, O., Hubbard, C., Wallace, M., Moxey, A., Patton, M., Harvey, D., Shrestha, S., Feng, S., Scott, C., Philippidis, G., Davis, J. & Liddon, A., 7 Jul 2020, In : *Regional Studies*. p. 1-13 13 p.

### **The Biology of Legumes and Their Agronomic, Economic, and Social Impact: Economic impact of legume**

Vasconcelos, M., Grusak, M., Pinto, E., Gomes, A., Ferreira, H., Balazs, B., Centofanti, T., Ntatsi, G., Savvas, D., Karkanis, A., Williams, M., Vandenberg, A., Toma, L., Shrestha, S., Akaichi, F., Barrios, C. O., Gruber, S., James, E. K., Maluk, M., Karley, A. & 1 others, Iannetta, P., 2 Jul 2020, *The Plant Family Fabaceae : Biology and Physiological Responses to Environmental Stresses*. Hasanuzzaman, M., Arujo, S. & Gill, S. S. (eds.). Singapore: Springer, p. 3-25 22 p.

### **To what extent is climate change adaptation a novel challenge for agricultural modellers?**

Kipling, R. P., Topp, CFE., Bannink, A., Bartley, D. J., Blanco-Penedo, I., Cortignani, R., del Prado, A., Dono, G., Favardin, P., Graux, I., Hutchings, N.J., Lauwers, L., Gulzari, Ş. Ö., Reidsma, P., Rolinski, S., Ruiz-Ramos, M., Sandars, D. L., Sándor, R., Schönhart, M., Seddaiu, G. & 4 others, Van Middelkoop, J., Shrestha, S., Weindl, I. & Eory, V., Oct 2019, In : *Environmental Modelling and Software*. 120, 21 p., 104492.

### **Financial vulnerability of dairy farms challenged by Johne's disease to changes in farm payment system**

Shrestha, S., Vosough Ahmadi, B., Barratt, A.S., Thomson, S.G. & Stott, A.W., 18 Dec 2018, In : *Frontiers in Veterinary Science*. 5, 9 p., 316.

### **Brexit: How will UK agriculture fare?**

Hubbard, C., Davis, J., Feng, S., Harvey, D., Liddon, A., Moxey, A., Ojo, M., Patton, M., Philippidis, G., Scott, C., Shrestha, S. & Wallace, M., 23 Aug 2018, In : *EuroChoices*. 17, 2, p. 19 - 26 8 p.

### **Financial and N<sub>2</sub>O effects of soil management measures on arable farms in Scotland**

Shrestha, S., Eory, V. & Topp, CFE., 2018, *Aspects of Applied Biology: Soil Improvement: Impact of Management Practices on Soil Function and Quality*. Association of Applied Biologists, Vol. 140. p. 83-88

### **A farm level approach to explore farm gross margin effects of soil organic carbon management**

Glenk, K., Shrestha, S., Topp, CFE., Sanchez, B., Iglesias, A., Dibari, C. & Merante, P., 22 Nov 2016, In : *Agricultural Systems*. 151, p. 33 - 46 14 p.

### **Challenges and priorities for modelling livestock health and pathogens in the context of climate change**

Ozkan, S., Vitali, A., Lacetera, N., Amon, B., Bannink, A., Bartley, D.J., Blanco-Penedo, I., de Haas, Y., Dufrasne, I., Elliott, J., Eory, V., Fox, N.J., Garnsworthy, P.C., Gengler, N., Hammami, H., Kyriazakis, I., Leclere, D., Lessire, F., MacLeod, M., Robinson, T.P. & 14 others, Ruete, A., Sandars, D.L., Shrestha, S., Stott, A.W., Twardy, S., Vanrobays, M-L., Vosough

Ahmadi, B., Weindl, I., Wheelhouse, N., Williams, AG., Williams, HW., Wilson, AJ., Ostergaard, S. & Kipling, RP., 29 Jul 2016, In : Environmental Research. 151, p. 130 - 144 15 p.

#### **Farm Level Modelling: Techniques, Applications and Policy**

Shrestha, S., Vosough Ahmadi, B., MacLeod, M., Barnes, AP., Shrestha, S. (ed.), Vosough Ahmadi, B. (ed.) & Barnes, AP. (ed.), 2016, CABI Publishing.

#### **Impacts of greening measures and flat rate regional payments of the Common Agricultural Policy on Scottish beef and sheep farms**

Vosough Ahmadi, B., Shrestha, S., Thomson, SG., Barnes, AP. & Stott, AW., 2015, In : Journal of Agricultural Science. 153, 4, p. 676 - 688 13 p.

#### **The influence of diversification on long-term viability of the agricultural sector**

Barnes, AP., Hansson, H., Manevska-Tasevska, G., Shrestha, S. & Thomson, SG., 2015, In : Land Use Policy. 49, p. 404 - 412

#### **Irish farms under climate change - Is there a regional variation on farm responses?**

Shrestha, S., Abdalla, M., Hennessy, T., Forristal, D. & Jones, MB., 1 May 2014, In : Journal of Agricultural Science. 153, p. 385 - 398 14 p.

#### **Determining short term responses of Irish dairy farms under climate change**

Shrestha, S., Hennessey, T., Abdalla, M., Forristal, D. & Jones, MB., 2014, In : German Journal of Agricultural Economics. 63(3), p. 143 - 155 13 p.

#### **Linking an economic and a life-cycle analysis biophysical model to support agricultural greenhouse gas mitigation policy**

Eory, V., MacLeod, M., Shrestha, S. & Roberts, DJ., 2014, In : German Journal of Agricultural Economics. 63, 3, p. 133 - 142 10 p.

## **Awards**

#### **RESAS RD2.3.5 SD4 - 2020/21**

Topp, K., Eory, V. & Shrestha, S.

RESAS: £27,312.00

1/04/20 → 31/03/21

## **Projects**

#### **Antimicrobial Resistance (AMR)**

Baughan, J., Shrestha, S., Henry, M., Reeves, A., Barratt, A., McCann, C., Stephen, K., Humphry, R., Tongue, S. & Gomes, C.

Department for Environment, Food and Rural Affairs

14/02/19 → 31/03/22

#### **Benchmarking sustainable intensification of farms using AgRE Calc, DEA and ScotFarm**

Shrestha, S., Vosough Ahmadi, B., Thomson, S., Spencer, M., Barnes, A., Stott, A., Bell, J., Vosough Ahmadi, B., Spencer, M., Barnes, A., Inman, G. & Toma, L.

SFC GRANT DUMMY CLIENT

1/03/18 → 31/05/20

#### **Brexit: How might UK agriculture survive or thrive?**

Shrestha, S.

1/04/17 → 31/03/19

#### **Environmental and economic impacts of improved antibiotics stewardship in poultry systems**

Toma, L., Sparks, N. & Shrestha, S.

University of Edinburgh

1/08/19 → 1/06/23

**Livestock's role in food system resilience in remote, upland regions**

McCracken, D., Shrestha, S., Thomson, S., Holland, J., Morgan-Davies, C., Barnes, A. & McLaren, A.  
B.B.S.R.C.

1/11/17 → 31/10/21

**Low-Input Farming and Territories - Integrating knowledge for improving ecosystem-based farming**

Barnes, A., Toma, L., Shrestha, S., Ferreira, J., Thompson, B., McCracken, D., Latto, D. & Spencer, M.  
European Commission

1/05/18 → 30/04/22

**Preparing the evidence base for post-Brexit agriculture in Scotland - Case studies on alternative payments**

Watson, C., Shrestha, S. & Sellars, A.

1/05/19 → 30/11/19

**RESAS Strategic Research Programme 2016-21 WP2.3 Productive and sustainable land management**

Wall, E., Smith, S., Nicoll, L., Parker, J., Robertson, D., Davidson, R., Donbavand, J., Anderson, C., Roehe, R., Harrison, B., Purcell, L., Duthie, C., Gunn, G., Pritchard, T., Jones, S., Bagnall, A., Vosough Ahmadi, B., Archibald, I., Rees, B., Eory, V., Glenk, K., Edwards, T., Buckingham, S., March, M., Broadbent, C., Cloy, J., Hargreaves, P., Wishart, H., Griffiths, B., Fox, N., Sparks, N., Shrestha, S., Banos, G., Henry, M., Watson, C., Dickinson, J., Topp, K., Burnett, F., Kyle, J., Denholm, S., Dewhurst, R., Lawson, D., McCubbin, I., Dwyer, C., Holland, J., McCracken, D., Barratt, A., Havis, N., Stanisz-Migal, M., Miller, G., Bowen, J., Hutchings, M., Creissen, H., D'Eath, R., Baddeley, J., Houdijk, J., Coffey, M., Morgan-Davies, C., Walker, R., Turner, S., Haskell, M., Barnes, A., Athanasiadou, S., Cole, L., Sandilands, V., McLaren, A., MacLeod, M. & Smith, L.

1/04/19 → 31/03/20

**Support to economic modeling of agriculture**

Shrestha, S. & Vosough Ahmadi, B.

1/09/18 → 31/08/23

**Transition paths to sustainable legume based systems in Europe (TRUE)**

Rees, B., Toma, L., Olukosi, O., March, M., Akaichi, F., Shrestha, S. & Barnes, A.

European Commission

1/04/17 → 31/03/21

**Understanding the Relative Cost-effectiveness of Sea-lice Treatments for Farmed Salmon Production**

Toma, L., Shrestha, S., Reeves, A., Barratt, A., Leinonen, I. & Boerlage, A.

1/08/19 → 31/07/20