

PhD Studentship: Determination of the key parameters influencing dislodgeable foliar pesticide residues.

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| Qualification type: | PhD with industry experience |
| Location: | UK – Bracknell, Berks & Hatfield, Herts |
| Funding for: | No restriction |
| Stipend: | Starts at £14,777 plus tuition fees and expenses |
| Start date: | Negotiable - Autumn 2018 |
| Time period / hours: | 4 years full time |
| Application deadline: | 5pm 31st August 2018 |
| Apply to: | hsp@herts.ac.uk |

This is an exciting opportunity to undertake a 1-year industrial knowledge exchange placement followed by a 3-year PhD studentship funded jointly by the Hertfordshire Local Enterprise Partnership and Syngenta plc.

Project description: Pesticides are a vital tool in meeting the challenge of feeding the rapidly increasing world population. However, it is vital that they are used in a way which does not compromise the safety of humans or the environment. To this end, rigorous assessment of the risks involved is carried out to satisfy the demands of regulatory authorities and other stakeholders. Exposure assessment for farm workers takes into account, amongst other factors, the amount of residue which can be transferred from plant foliage to the skin or clothes. However, little is known what factors influence the occurrence and behaviour of these residues. The broad aim of this 4-yr work programme is to work with experts to gain a better understanding to enable refinement of risk assessments. The work is expected to include analysis of existing datasets, glasshouse, laboratory and analytical work. This is a unique opportunity to gain pesticide science experience working with a strong supervisory team and using exceptional research facilities available at both establishments. Full training and support will be provided. For more details visit: <http://sitem.herts.ac.uk/aeru/opportunities.htm>

Eligibility and requirements:

Essential minimum requirements:

- Honours degree at 2:1 level or equivalent in a plant science/bioscience/data related discipline;
- Strong, proven data analytical skills including statistical analysis;
- Willing and able to undertake field and laboratory work under own initiative;
- Sound communication skills including a high level of written and spoken fluency in English and good computer literacy.

Desirable but not essential requirements:

- Masters degree in an appropriate subject and/or relevant work experience;

- Valid driving licence;
- Good working knowledge of European crop protection.

How to apply: Eligible applicants interested in this opportunity may obtain an application pack from hsp@herts.ac.uk and once completed returned via this email address by the deadline date (31/8/2018). Informal enquiries from potential applicants may also be made directly to Prof. Kathy Lewis at k.a.lewis@herts.ac.uk. Other information can be found at: <http://sitem.herts.ac.uk/aeru/opportunities.htm>.

Notes:

- Attendance will be required at two sites (Syngenta at Jealott's Hill, Berkshire and the University of Hertfordshire – main campus in Hatfield and the Bayfordbury field station).
- Interviews are expected to take place in mid-September 2018.
- Applicants from overseas may be interviewed via Skype.