

# JAMIN ALI

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## SUMMARY

I am an applied insect chemical ecologist whose expertise lies at the interface of ecology, biology, and chemistry. My research focuses on using insect and plant derived semiochemicals to develop novel tools for sustainable management of phytophagous insect pests in global agricultural environments. I am also interested in developing data-driven approaches to inform integrated pest management decisions in horticultural production systems.

## PUBLICATIONS:

**Ali, J.**, Covaci A., Roberts, M. J. Sobhy I. S., Kirk, W. and Bruce, T. J. A., Effects of cis-jasmone treatment of brassicas on interactions with *Myzus persicae* aphids and their parasitoid *Diaeretiella rapae*, *Frontiers in plant science*, <https://doi.org/10.3389/fpls.2021.711896>

**Ali, J.**, Bruce, T. J.A., Sobhy, I. S., and (2021). *Wild potato ancestors as potential sources of resistance to the aphid *Myzus persicae**, *Journal of Pest Management Science*, <https://doi.org/10.1002/ps.6957>

Mukarram, M.; Choudhary, S.; Khan, M.A.; Poltronieri, P.; Khan, M.M.A.; **Ali, J.**; Kurjak, D.; Shahid, M. Lemongrass Essential Oil Components with Antimicrobial and Anticancer Activities. *Antioxidants* 2022, 11, 20. <https://doi.org/10.3390/antiox11010020>

## TEACHING AND RESEARCH EXPERIENCE

### DEMONSTRATION

School of Life Science, Keele University, UK

Sep 2019 - April 2022

### TEACHING

Volunteer teacher at community school, Beresford, Stoke-on-Trent, UK

Jan 2019 - June 2019

### PROJECT COMPLETED

Collection and Identification of Ants around the A.M.U. Campus Aligarh, India.

Dec 2015 - May 2019

## ACHIEVEMENTS

### THE GRADUATE APTITUDE TEST IN ENGINEERING (GATE) 2018

Department of Higher Education, Ministry of Human Resources Development (MHRD), Government of India.

### OVERSEAS SCHOLARSHIP (2017)

National Overseas Scholarship for pursuing Ph.D. in abroad. Funding Body; Government of India.

### UGC-JRF (2016)

CSIR-University Grant Commission of India.

## REVIEWER

Journal of Entomologia Generalis (Peer reviewed; Impact Factor; 5.6), Germany

## EDUCATION

UNIVERSITY OF NEUCHÂTEL, SWITZERLAND Jan 2022 to date  
Certificate In Higher Studies: (Integrated Crop Management)-I (Online)

KEELE UNIVERSITY, STAFFORDSHIRE, UK May 2018 to date  
Ph.D. (Applied Entomology) student, Supervisor: **Prof Toby Bruce** (Chemical Ecology)  
Thesis Title: The chemical ecology of a model aphid pest, *Myzus persicae*, and its natural enemies (**Thesis submitted**)

ALIGARH MUSLIM UNIVERSITY, INDIA 2008 - 2016  
Master of Science in Zoology (Entomology)  
Bachelor of Science in Zoology (Hons.)  
Senior secondary school

## CONFERENCES/ WORKSHOPS

**Jamin Ali**, Joe Roberts, David Buss, Islam S. Sobhy and Toby Bruce, *cis-Jasmone induced defence: from Arabidopsis to commercial Brassicas*, (Oral Presentation), PG Forum, Royal Entomological Society 21-22 March 2019, University of York, UK

**Jamin Ali**, Joe Roberts and Toby Bruce, *cis-Jasmone induced defence: from Arabidopsis to commercial Brassicas*, (Poster presentation) 10<sup>th</sup> May, FNS Symposium, Keele University, (2019) UK

**Jamin Ali**, Joe Robert and Toby Bruce, *Wild species of potato as potential sources of resistance against Myzus persicae*, (Poster presentation) 20-21 November 2019, Advances in Biological Control and IPM 2019: Addressing the innovation crisis, Lincolnshire, UK

Insect Chemical Ecology Workshop (ICE-2019), PhD-level course in insect Chemical Ecology, 10-21 June 2019, Nairobi, Kenya

**Jamin Ali**, Joe Roberts and Toby Bruce. *Resistance of wild potato species against Myzus persicae. International Congress Entomology, Helsinki, Finland-2020*, (Postponed due to COVID-19) (Abstract Accepted).

EPS workshop 'Plant-Insect interactions' Thursday 21 October 2021' at the WICC hotel, Wageningen, The Netherlands.

## MEMBERSHIPS

- Indian Entomological Society, India
- Indian National Science Congress, India
- Royal Entomological Society, UK
- International Society of Chemical Ecology (ISCE)

## CERTIFICATE/TRAINING

- Introduction to Teaching & Demonstrating (ITAD), Keele University, UK
- Scientific Writing course (4 weeks-online)
- Academic English for Postgraduate Science Students, Keele University, UK
- How to engage students in online classes?
- Research design and data analysis using SPSS/ R
- Science leadership workshop, CUP, India
- Workshop on Microbial Genomics (Online)
- Certificate: How to secure funding?
- Certificate in German Language, Keele University, UK
- What to expect from the Certified Peer Reviewer Course?

## SKILLS

- Problem-solving skills
- Critical thinking skills
- Project management skills
- Time management

## LANGUAGE

- Hindi
- Urdu
- English

## REFERENCE

### **Prof. Toby J A Bruce**

Ph.D. Supervisor

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School of Life Science, Keele  
University, UK, ST5 5BG

### **Prof. William D J Kirk**

Ph.D. Co-Supervisor

Email: [w.d.j.kirk@keele.ac.uk](mailto:w.d.j.kirk@keele.ac.uk)

School of Life Science, Keele  
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### **Dr Islam S Sobhy**

Ph.D. Advisor

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