

# British Mycological Society 125<sup>th</sup> Anniversary Conference Fungi and the Environment

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## 1st BMS Mycology-PhD Students' Seminars

### Sunday 3<sup>rd</sup> April 2022

2.00 - 3.00	<b>Registration in Atrium of Vincent Building</b>
4.00 - 6.00	<b>Social gathering, introductions and presentation of the event</b>
6.00 - 8.00	<b>Dinner</b>
8.00pm onwards	<b>Social</b>

### Monday 4<sup>th</sup> April 2022

8.00 - 9.00	<i>Registration and poster mounting in Atrium of Vincent Building</i>
9.00 - 9.45	<b>Doing your PhD in mycology – things to remember</b>
9.45 - 10.30	<b>Industrial applications: from drugs to enzymes</b> Emeritus Prof Tajalli Keshavarz, University of Westminster
10.30 - 11.00	<i>Refreshment break and poster viewing</i>
11.00 - 12.30	<b>PhD student presentations</b> (15 minutes each)
12.30 - 2.00	<i>Lunch and poster viewing</i>
2.00 - 3.00	<b>Fungal Ecology: from extreme environments to food spoilage.</b> Dr John Hallsworth, Queens University, Belfast; Dr Angel Medina, Cranfield University.
3.00 - 3.30	<b>Importance of molecular tools/approaches for fungal taxonomy and other ecological applications.</b> Speaker to be confirmed.
3.30 - 4.30	<b>Career development: panel discussion on types of expertise needed for different roles.</b> Panel from Industry, Government Labs, Institutes and Universities - to be confirmed.
5.00	<b>Award of prizes: best student poster and best oral presentation</b>



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## Main Conference

Monday 4<sup>th</sup> April 2022

4.00pm onwards *Arrival at Cranfield and Registration*

6.00 - 8.00 **Welcome b-b-q and mixer** - Cranfield Management Development Centre

Tuesday 5<sup>th</sup> April 2022

8.00 - 9.00 *Registration and poster mounting in Atrium of Vincent Building*

9.00 **Welcome.** Cranfield University representative; BMS President; Local Organisers

### Session 1: Fungi in the built environment

9.15 - 9.45 **Moulds: their importance in damp buildings.** Dr Jan Dijksterhuis, Westerdijk Fungal Biodiversity Institute, The Netherlands

9.45 - 10.15 **The fungal chemical cocktail in damp buildings.** Prof Ulf Thrane, Danish Technological Institute, Denmark

10.15 - 10.30 ***Stachybotrys*: ecology and toxin production in damp buildings.** Prof Naresh Magan, Cranfield University, UK

10.30 - 11.00 *Refreshment break and poster viewing*

11.00 - 11.20 **Offered paper I**

11.20 - 11.40 **Offered paper II**

11.40 - 12.00 **Offered paper III**

### Session 2: Fungi in the human environment

12.00 - 12.30 ***Aspergillus fumigatus*: present and future infection trends** Prof Anuradha Chowdhary, University of Delhi, India

12.30 - 1.00 **From ions to biomes: how micronutrient scavenging shapes environmental adaptation and pathogenicity** Dr Duncan Wilson, Exeter University, UK

1.00 - 2.00 *Lunch in the Atrium and poster viewing*

2.00 - 2.20 **Offered paper I**

2.20 - 2.40 **Offered paper II**



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2.40 - 3.00 **Offered paper III**

3.00 - 3.20 **Offered paper IV**

3.30 - 4.00 *Refreshment break and poster viewing (Sponsored by Romer Diagnostics Ltd).*

### Session 3: Fungi in the industrial/technological environment

4.00 - 4.30 **The BMS Webster Award 2020: Fungal biomineralization for bioremediation or element biorecovery.** Prof Geoff Gadd, Dundee University, Scotland

4.30 - 5.00 **Strategies for successful biocontrol.** Prof Xiangming Xu, Biocontrol, NIAB-EMR

5.00 - 5.20 **Offered paper I**

5.20 - 5.40 **Offered paper II**

5.40 - 6.00 **Offered paper III**

6.30pm onwards *Dinner and networking*

### Wednesday 6<sup>th</sup> April

### Session 3 continued: Fungi in the industrial/technological environment

9.00 - 9.30 **Whispering fungi in the environment.** Prof Taj Kesharvaj, Westminster University, UK

9.30 - 10.00 **Approaches for control of spoilage fungi in the evolving industry landscape.** Prof Simon Avery, Nottingham University, UK

10.00 - 10.15 **Offered paper IV**

10.15 - 10.30 **Offered paper V**

10.30 - 11.00 *Refreshment break and poster viewing*

### Session 4: Fungi in the natural environment

11.00 - 11.30 **Comparing genomes and gene functions between closely related *Fusarium* species that occupy different environmental niches.** Prof Kim Hammond-Kosack, Rothamsted Research, UK

11.30 - 12.00 **Impacts of environment on decomposer fungi.** Prof Lynne Boddy, Cardiff University, UK

12.00 - 12.30 **Bringing down the house: genomic analysis of the dry rot fungus, *Serpula lacrymans*.** Prof Dan Eastwood, Swansea University, UK

12.30 - 13.30 *Lunch in the Atrium and poster viewing (Sponsored by Patent Co., Serbia).*

1.30 - 2.00 **Dispersal of fungi and how to detect them.** Prof Jon West, Rothamsted Research, UK



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- 2.00 - 2.30 **Fungi in extreme environments: do we know enough??** Dr John Hallsworth, Queens University, Belfast, UK
- 2.30 - 2.50 **Offered paper I**
- 2.50 - 3.10 **Offered paper II**
- 3.10 - 3.30 **Offered paper III**
- 3.30 - 3.50 **Offered paper IV**
- 3.50 - 4.10 **Offered paper V**
- 4.10 - 4.45 *Refreshment break and poster viewing*
- 5.00pm Depart via coaches from Cranfield Conference Hotel. **Conference Dinner and Music: Woburn Safari Lodge.** (Coaches return to Cranfield Conference Hotel)

**Thursday 7<sup>th</sup> April 2022**

### **Session 5: Climate change and interactions with fungi**

- 9.00 - 9.30 **Modelling and monitoring fungal plant pathogen responses to climate change.** Prof Dan Bebbler, Exeter University, UK
- 9.30 - 10.00 **Climate change: modelling impacts on mycotoxigenic fungi and risk of mycotoxins.** Prof Paola Battilani, Catholic University, Piacenza, Italy
- 10.00 - 10.30 **The BMS Berkeley Award 2020 - Climate change, genomics and impacts on phenotypic mycotoxin contamination.** Dr Angel Medina, Cranfield University, UK
- 10.30 - 11.00 *Refreshment break and poster viewing*
- 11.00 - 11.30 **Fungal fruit bodies - a largely untapped source in global change biology and beyond.** Dr Håvard Kausrud, University of Oslo, Norway
- 11.30 - 12.00 **A perfect storm approaching: the influence of climate change on shifty enemies of agriculture.** Dr Diane Saunders, John Innes Centre, Norwich, UK
- 12.00 - 12.10 **Offered paper I**
- 12.10 - 12.20 **Offered paper II**
- 12.20 - 12.30 **Offered paper III**
- 12.30 - 1.00 **Conference close and award of prizes: BMS President Prof Jan Quinn and Local Organisers**
- 1.00 - 2.00pm *Lunch and departure*

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- **Parallel Field Mycology sessions for Wednesday-Thursday 6-7th April - to be confirmed**

