

# British Mycological Society 125<sup>th</sup> Anniversary Conference

## Fungi and the Environment

4-7 April 2022, Cranfield University, UK

### Sunday 3<sup>rd</sup> April 2022 - PhD Students arrival

2.00 - 3.00	PhD Students Registration in Atrium of Vincent Building
4.00 - 6.00	Social gathering, introductions and presentation of the event
6.00 - 8.00	Dinner
8.00pm onwards	Social

### Monday 4<sup>th</sup> April 2022 - BMS Research Student Conference

TIME	SCIENTIFIC	FIELD MYCOLOGY	
8.00	<i>Registration and poster mounting in Atrium of Vincent Building</i>		
<b>Early morning</b> 9.00 to 10.30	<p><b>9.00 - 9.45</b> Doing your PhD in mycology – things to remember</p> <p><b>9.45 - 10.30</b> Industrial applications: from drugs to enzymes Emeritus Prof Tajalli Keshavarz, University of Westminster</p>		
10.30 – 11.00	<i>Refreshment break and poster viewing</i>		
<b>Late morning</b> 11.00 to 12.30	<b>11.00 - 12.30</b> PhD student presentations (15 minutes each)	<p><b>12.00 onwards</b> Arrival and set-up. Collecting and/or microscopy, Mitchell Hall workspace.</p>	
12.30 – 2.00	<i>Lunch and poster viewing</i>		
<b>Afternoon</b> 2.00 to 4.30	<p><b>2.00 - 3.00</b> Fungal Ecology: from extreme environments to food spoilage. Dr John Hallsworth, Queens University, Belfast; Dr Angel Medina, Cranfield University.</p> <p><b>3.00 - 3.30</b> Importance of molecular tools/approaches for fungal taxonomy and other ecological applications. Speaker to be confirmed.</p> <p><b>3.30 - 4.30</b> Career development: panel discussion on types of expertise needed for different roles. Panel from Industry, Government Labs, Institutes and Universities - to be confirmed.</p>		
4.30 – 5.00	<i>Free time</i>		
5.00pm	Award of prizes: best student poster and best oral presentation		
4.00 onwards	<i>Delegate registration for main meeting</i>		
6.00 – 8.00	<b>Welcome BBQ and mixer - Cranfield Management Development Centre</b>		
		<p><b>8.00</b> Welcome and talk on the fieldwork sites including vegetation, geology and history. Keith Cavanagh</p>	



Tuesday 5<sup>th</sup> April 2022 – BMS Annual Conference: Fungi and the Environment

TIME	SCIENTIFIC	FIELD MYCOLOGY
8.00	<i>Registration and poster mounting in Atrium of Vincent Building</i>	
9.00	<b>Welcome.</b> Cranfield University representative; BMS President; Local Organisers	
Early morning 9.15 to 10:30	<p><b>Session 1: Fungi in the built environment</b>  <b>9.15 - 9.45</b>  Moulds: their importance in damp buildings. Dr Jan Dijksterhuis, Westerdijk Fungal Biodiversity Institute, The Netherlands</p> <p><b>9.45 - 10.15</b>  The fungal chemical cocktail in damp buildings. Prof Ulf Thrane, Danish Technological Institute, Denmark</p> <p><b>10.15 - 10.30</b>  <i>Stachybotrys</i>: ecology and toxin production in damp buildings. Prof Naresh Magan, Cranfield University, UK</p>	<p><b>9.15 - 9.45</b>  A Field Mycologist's excursion into the world of DNA barcoding. Dr David Harries</p> <p><b>9:55 - 10:35</b>  Compiling a Digital County Mycoflora - Pitfalls and Plusses. Chris Yeates, Yorkshire Naturalists' Union.</p>
10.30 - 11.00	<i>Refreshment break - Atrium of Vincent Building - and poster viewing</i>	
Late morning 11.00 to 1.00	<p><b>11.00 – 12.00</b> Offered papers I to III</p> <p><b>Session 2: Fungi in the human environment</b>  <b>12.00 - 12.30</b>  <i>Aspergillus fumigatus</i>: present and future infection trends. Prof Anuradha Chowdhary, University of Delhi, India</p> <p><b>12.30 - 1.00</b>  From ions to biomes: how micronutrient scavenging shapes environmental adaptation and pathogenicity. Dr Duncan Wilson, Exeter University, UK</p>	<p><b>11.00 - 11.45</b>  Conservation with teeth! Stipitate hydroids in Britain. Dr Martyn Ainsworth, RBG Kew</p> <p><b>12.00 - 12.45</b>  The Hebeloma Project: Database to website and machine learning for species identification. Prof Henry Beker and Peter Bartlett</p>
1.00 - 2.00	<i>Lunch - Atrium of Vincent Building - and poster viewing</i>	
Early afternoon 2.00 to 3.30	<p><b>2.00 - 3.20</b> Offered papers I to iv</p>	<p><b>2.00 - 2.35</b>  Mary Lloyd Wynne of Coed Coch &amp; Alfred Osten Walker of Colwyn Bay: two little known mycologists from north Wales. John Edmondson</p> <p><b>2.45 - 3.30</b>  Exploring plant parasitic fungi. Prof Paul Smith, University of Southampton</p>
3.30 - 4.00	<i>Refreshment break - Atrium of Vincent Building - and poster viewing (Sponsored by Romer Diagnostics Ltd)</i>	
Late afternoon 4.00 to 6.00	<p><b>Session 3: Fungi in the industrial/technological environment</b>  <b>4.00 - 4.30</b>  The BMS Webster Award 2020: Fungal biomineralization for bioremediation or element biorecovery. Prof Geoff Gadd, Dundee University, Scotland</p> <p><b>4.30 - 5.00</b>  Strategies for successful biocontrol. Prof Xiangming Xu, Biocontrol, NIAB-EMR</p> <p><b>5.00 - 6.00</b> Offered papers I to III</p>	<p><b>4.00 - 4:45</b>  Where angels fear to tread - unravelling the genus <i>Cortinarius</i> in the UK. Geoffrey Kibby</p> <p><b>5.00 – 5.45</b>  The beauty of artificial keys – how to develop a concept for modern identification. Dr Thomas Læssøe &amp; Jens Petersen</p>
6.30 onwards	<p><b>Short talk on cider making &amp; cider tasting -</b>  <b>Loraine Boddington, National Association of Cider Makers</b>  <b>Dinner and networking.</b></p>	

## Wednesday 6<sup>th</sup> April 2022 – BMS Annual Conference: Fungi and the Environment

TIME	SCIENTIFIC	FIELD MYCOLOGY
Early morning 9.00 to 10:30	<p><b>Session 3 continued: Fungi in the industrial/technological environment</b></p> <p><b>9.00 - 9.30</b> Whispering fungi in the environment. Prof Taj Kesharvaj, Westminster University, UK</p> <p><b>9.30 - 10.00</b> Approaches for control of spoilage fungi in the evolving industry landscape. Prof Simon Avery, Nottingham University, UK</p> <p><b>10.00 - 10.30</b> Offered papers IV and V</p>	<p><b>9.00 - 9.40</b> Local approaches to mapping mycologically-rich grasslands: integrating volunteer recording effort and conservation in Sussex, UK. Clare Blencowe</p> <p><b>9.55 - 10.35</b> Grassland fungi – a new assessment of the waxcaps and other grassland fungi sites in England. Sean Cooch, Natural England</p>
10.30 - 11.00	<i>Refreshment break - Atrium of Vincent Building - and poster viewing</i>	
Late morning 11.00 to 12.30	<p><b>Session 4: Fungi in the natural environment</b></p> <p><b>11.00 - 11.30</b> Comparing genomes and gene functions between closely related <i>Fusarium</i> species that occupy different environmental niches. Prof Kim Hammond-Kosack, Rothamsted Research, UK</p> <p><b>11.30 - 12.00</b> Impacts of environment on decomposer fungi. Prof Lynne Boddy, Cardiff University, UK</p> <p><b>12.00 - 12.30</b> Bringing down the house: genomic analysis of the dry rot fungus, <i>Serpula lacrymans</i>. Prof Dan Eastwood, Swansea University, UK</p>	<p><b>11.00 - 11.30</b> Use of eDNA in the conservation of grassland fungi. Prof Gareth Griffith, Aberystwyth University, UK</p> <p><b>11.30 - 12.00</b> Impacts of environment on decomposer fungi. Prof Lynne Boddy, Cardiff University, UK</p> <p><b>12.00 - 12:30</b> Small is beautiful: recording moulds and other microfungi in the UK. Marcus Yeo</p>
12.30 - 1.30	<i>Lunch - Atrium of Vincent Building - and poster viewing (Sponsored by Patent Co., Serbia).</i>	
Early afternoon 2.00 to 4.10	<p><b>1.30 - 2.00</b> Dispersal of fungi and how to detect them. Prof Jon West, Rothamsted Research, UK</p> <p><b>2.00 - 2.30</b> Fungi in extreme environments: do we know enough?? Dr John Hallsworth, Queens University, Belfast, UK</p> <p><b>2.30 – 4.10</b> Offered papers I to V</p>	<p><i>End of Field Mycology lecture sessions.</i></p> <p><i>BMS Spring Field Meeting, Mitchell Hall (Wednesday afternoon until Sunday midday.)</i></p>
4.10 – 4.45	<i>Refreshment break - Atrium of Vincent Building - and poster viewing</i>	
5.00pm	Depart via coaches from Cranfield Conference Hotel. <b>Conference Dinner and Music: Woburn Safari Lodge.</b> (Coaches return to Cranfield Conference Hotel)	



## Thursday 7<sup>th</sup> April 2022 – BMS Annual Conference: Fungi and the Environment

TIME	SCIENTIFIC	FIELD MYCOLOGY
Early morning 9.00 to 10:30	<p><b>Session 5: Climate change and interactions with fungi</b></p> <p><b>9.00 - 9.30</b> Modelling and monitoring fungal plant pathogen responses to climate change. Prof Dan Bebber, Exeter University, UK</p> <p><b>9.30 - 10.00</b> Climate change: modelling impacts on mycotoxigenic fungi and risk of mycotoxins. Prof Paola Battilani, Catholic University, Piacenza, Italy</p> <p><b>10.00 - 10.30</b> <u>The BMS Berkeley Award 2020</u> – Climate change, genomics and impacts on phenotypic mycotoxin contamination. Dr Angel Medina, Cranfield University, UK</p>	BMS Spring Field Meeting, Mitchell Hall. (Wednesday afternoon until Sunday midday.)
10.30 - 11.00	<i>Refreshment break - Atrium of Vincent Building - and poster viewing</i>	
Late morning 11.00 to 1.00	<p><b>11.00 - 11.30</b> Fungal fruit bodies - a largely untapped Source in global change biology and beyond. Dr Håvard Kausrud, University of Oslo, Norway</p> <p><b>12.00 - 12.15</b> Offered paper I <b>12.15 - 12.30</b> Offered paper II <b>12.30 - 12.45</b> Offered paper III <b>12.45 - 1.00 pm</b> Offered paper IV</p>	
	Scientific Conference close and award of prizes: BMS President Prof Jan Quinn and Local Organisers	
1.00 - 2.00	<i>Lunch - Atrium of Vincent Building</i>	
<i>Departure</i>		

