

British Mycological Society 125th Anniversary Conference

Fungi and the Environment

4-7 April 2022, Cranfield University, UK

Sunday 3rd April 2022 - PhD Students arrival

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| 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 4th April 2022 - BMS Research Student Conference

| TIME | SCIENTIFIC | FIELD MYCOLOGY | |
|---------------------------------------|---|--|--|
| 8.00 | <i>Registration and poster mounting in Atrium of Vincent Building</i> | | |
| Early morning 9.00 to 10.30 | <p>9.00 - 9.45 Doing your PhD in mycology – things to remember</p> <p>9.45 - 10.30 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> | | |
| Late morning 11.00 to 12.30 | 11.00 - 12.30 PhD student presentations (15 minutes each) | <p>12.00 onwards Arrival and set-up. Collecting and/or microscopy, Mitchell Hall workspace.</p> | |
| 12.30 – 2.00 | <i>Lunch and poster viewing</i> | | |
| Afternoon 2.00 to 4.30 | <p>2.00 - 3.00 Fungal Ecology: from extreme environments to food spoilage. Dr John Hallsworth, Queens University, Belfast; Dr Angel Medina, Cranfield University.</p> <p>3.00 - 3.30 Importance of molecular tools/approaches for fungal taxonomy and other ecological applications. Speaker to be confirmed.</p> <p>3.30 - 4.30 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 | | |

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| 4.00 onwards | <i>Delegate registration for main meeting</i> |
| 6.00 – 8.00 | Welcome BBQ and mixer - Cranfield Management Development Centre |



Tuesday 5th 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 | Welcome. Cranfield University representative; BMS President; Local Organisers | |
| Early morning 9.15 to 10:30 | <p>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</p> <p>9.45 - 10.15 The fungal chemical cocktail in damp buildings. Prof Ulf Thrane, Danish Technological Institute, Denmark</p> <p>10.15 - 10.30 <i>Stachybotrys</i>: ecology and toxin production in damp buildings. Prof Naresh Magan, Cranfield University, UK</p> | <p>9.15 - 9.45 A Field Mycologist's excursion into the world of DNA barcoding. Dr David Harries</p> <p>9:55 - 10:35 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>11.00 - 11.20 Offered paper I 11.20 - 11.40 Offered paper II 11.40 - 12.00 Offered paper III</p> <p>Session 2: Fungi in the human environment 12.00 - 12.30 <i>Aspergillus fumigatus</i>: present and future infection trends. Prof Anuradha Chowdhary, University of Delhi, India</p> <p>12.30 - 1.00 From ions to biomes: how micronutrient scavenging shapes environmental adaptation and pathogenicity. Dr Duncan Wilson, Exeter University, UK</p> | <p>11.00 - 11.45 Conservation with teeth! Stipitate hydroids in Britain. Dr Martyn Ainsworth, RBG Kew</p> <p>12.00 - 12.45 The Hebeloma Project: Database to website and machine learning for species identification. Prof Henry Beker and Pete Bartlett</p> |
| 1.00 - 2.00 | <i>Lunch - Atrium of Vincent Building - and poster viewing</i> | |
| Early afternoon 2.00 to 3.30 | <p>2.00 - 2.20 Offered paper I 2.20 - 2.40 Offered paper II 2.40 - 3.00 Offered paper III 3.00 - 3.20 Offered paper IV</p> | <p>2.00 - 2.35 Mary Lloyd Wynne of Coed Coch & Alfred Osten Walker of Colwyn Bay: two little known mycologists from north Wales. John Edmondson</p> <p>2.45 - 3.30 Exploring plant parasitic fungi. Paul Smith</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>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</p> <p>4.30 - 5.00 Strategies for successful biocontrol. Prof Xiangming Xu, Biocontrol, NIAB-EMR</p> <p>5.00 - 5.20 Offered paper I 5.20 - 5.40 Offered paper II 5.40 - 6.00 Offered paper III</p> | <p>4.00 - 4:45 Where angels fear to tread - unravelling the genus <i>Cortinarius</i> in the UK. Geoffrey Kibby</p> <p>5.00 – 6.00 <i>Speaker to be confirmed</i></p> |
| 6.30 onwards | Dinner and networking | |



Wednesday 6th April 2022 – BMS Annual Conference: Fungi and the Environment

| TIME | SCIENTIFIC | FIELD MYCOLOGY |
|---------------------------------|---|---|
| Early morning 9.00 to 10:30 | <p>Session 3 continued: Fungi in the industrial/technological environment</p> <p>9.00 - 9.30 Whispering fungi in the environment. Prof Taj Kesharvaj, Westminster University, UK</p> <p>9.30 - 10.00 Approaches for control of spoilage fungi in the evolving industry landscape. Prof Simon Avery, Nottingham University, UK</p> <p>10.00 - 10.15 Offered paper IV 10.15 - 10.30 Offered paper V</p> | <p>9.00 - 9.30 Local approaches to mapping mycologically-rich grasslands: integrating volunteer recording effort and conservation in Sussex, UK. Clare Blencowe</p> <p>9.45 - 10.30 Use of eDNA in the conservation of grassland fungi. Prof Gareth Griffiths, Aberystwyth University, UK</p> |
| 10.30 - 11.00 | <i>Refreshment break - Atrium of Vincent Building - and poster viewing</i> | |
| Late morning 11.00 to 12.30 | <p>Session 4: Fungi in the natural environment</p> <p>11.00 - 11.30 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>11.30 - 12.00 Impacts of environment on decomposer fungi. Prof Lynne Boddy, Cardiff University, UK</p> <p>12.00 - 12.30 Bringing down the house: genomic analysis of the dry rot fungus, <i>Serpula lacrymans</i>. Prof Dan Eastwood, Swansea University, UK</p> | <p>11.30 - 12.00 Impacts of environment on decomposer fungi. Prof Lynne Boddy, Cardiff University, UK</p> <p>12.00 - 12:30 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>1.30 - 2.00 Dispersal of fungi and how to detect them. Prof Jon West, Rothamsted Research, UK</p> <p>2.00 - 2.30 Fungi in extreme environments: do we know enough?? Dr John Hallsworth, Queens University, Belfast, UK</p> <p>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</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. Conference Dinner and Music: Woburn Safari Lodge. (Coaches return to Cranfield Conference Hotel) | |



Thursday 7th April 2022 – BMS Annual Conference: Fungi and the Environment

| TIME | SCIENTIFIC | FIELD MYCOLOGY |
|--------------------------------|---|---|
| Early morning 9.00 to 10:30 | <p>Session 5: Climate change and interactions with fungi</p> <p>9.00 - 9.30 Modelling and monitoring fungal plant pathogen responses to climate change. Prof Dan Bebbler, Exeter University, UK</p> <p>9.30 - 10.00 Climate change: modelling impacts on mycotoxigenic fungi and risk of mycotoxins. Prof Paola Battilani, Catholic University, Piacenza, Italy</p> <p>10.00 - 10.30 <u>The BMS Berkeley Award 2020</u> – Climate change, genomics and impacts on phenotypic mycotoxin contamination. Dr Angel Medina, Cranfield University, UK</p> | <p><i>BMS Spring Field Meeting, Mitchell Hall. (Wednesday afternoon until Sunday midday.)</i></p> |
| 10.30 - 11.00 | <i>Refreshment break - Atrium of Vincent Building - and poster viewing</i> | |
| Late morning 11.00 to 1.00 | <p>11.00 - 11.30 Fungal fruit bodies - a largely untapped Source in global change biology and beyond. Dr Håvard Kausrud, University of Oslo, Norway</p> <p>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</p> <p>12.00 - 12.10 Offered paper I 12.10 - 12.20 Offered paper II 12.20 - 12.30 Offered paper III</p> <p>12.30 - 1.00</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> | | |