

IBBS World



Newsletter of the International Biodeterioration & Biodegradation Society
Issue 18, July 2010. www.ibbsonline.org

The International Biodeterioration & Biodegradation Society meeting on: Disinfection and Decontamination 28th and 29th September 2010

University of Central Lancashire,
Preston, UK School of Forensic & Investigative Sciences
for registration and information
www.ibbsonline.org



Editor's Notes

Already it is the end of the 2010 academic year. IBBS is preparing for its autumn meeting in Preston on disinfection and decontamination - and IBBS-15 in Vienna is getting closer as well! I am delighted to be able to launch the second five fliers in our education information sheets. Many thanks to Kevin, Katja, Geoff, Malcolm and Diego for their expertise and time. Printed sets of the ten sheets will be given to delegates at the autumn meeting - and by the time we get to Vienna in 2011, there should be twenty in the series. I would appreciate any feedback on these sheets, as well as suggestions for topics and offers of authorship!

Council continues to consider how IBBS can best serve its membership, and raise awareness of our expertise in biodeterioration, biodegradation and bioremediation. We feel that the Society should be able to offer expertise to the media/press - and should really be the first port of call for enquiries regarding news stories in this arena - for example the BP oil spill. If you have been approached by the press or other media to talk about these subjects, please let me know. In future, we may even consider writing press releases if there are particular relevant issues where we may have a voice.

Our new website has increased its number of 'hits', the Journal has improved its impact factor, and we continue to raise awareness of the Society and its activities through our meetings, publicity materials and communication between members.

With my best wishes to you all, Jo
(j.verran@mmu.ac.uk)



Where else could you hear talks on decontaminating spacecraft and hospital laundry, electronic noses and African drums?.....

Our autumn meeting, Disinfection and Decontamination, has been planned to give an update and overview of these two important topics. The one-and-a-half day meeting follows our usual successful format, beginning in the afternoon of the first day, with an informal conference dinner that evening. Coffee breaks, and a buffet lunch, are included in the registration fee: accommodation must be booked separately.

Presentations encompass aspects of disinfection in applied environments such as food and healthcare, and will describe recent research related to particular pathogens such as *Clostridium difficile*, MRSA, Norovirus and anthrax, provide excellent updates on legislative issues, and note some novel approaches to decontamination.

Programme highlights include:

Disinfection and decontamination in the food and healthcare sectors: why so different?

Controlling Noroviruses in food manufacturing and the environment

Veterinary disinfection - testing and practical application

Responsible use of disinfectants

What future for chemical disinfectants? A critical assessment of the impact of EU legislation and sustainable development

OECD global disinfection studies and guideline development

European standards (CEN): Disinfectant handrub and handwash performance testing

Ongoing infection control (CEN phase 3) hospital trials in Glasgow, UK

Anthrax - responding to national incidents involving African drums and heroin addiction

Disinfection of healthcare laundry: the issue of *Clostridium difficile*

Use of electronic nose technology in MRSA decontamination

Effect of relative humidity on the survival of airborne opportunistic Gram negative pathogens

An introduction to decontamination using hydrogen peroxide vapour

Green gas, dry mists and dense vapours: an overview of independent fumigant testing for the laboratory and healthcare sectors.

Can I fumigate that? Tales from a dirty spacecraft

Who needs a disinfectant when you have programmed cell death?

Life after disinfection....

IBBS meetings are renowned for the diversity of content, which only serves to emphasise the extent to which biodegradation, biodeterioration and bioremediation impact on all aspects of life. In addition, we pride ourselves on our approachability and friendliness. Come and sample the hospitality and science of IBBS in Preston UK!

Mystery picture? Answer overleaf...>

The International Biodeterioration and Biodegradation Society and the Universidad Autonoma de Campeche

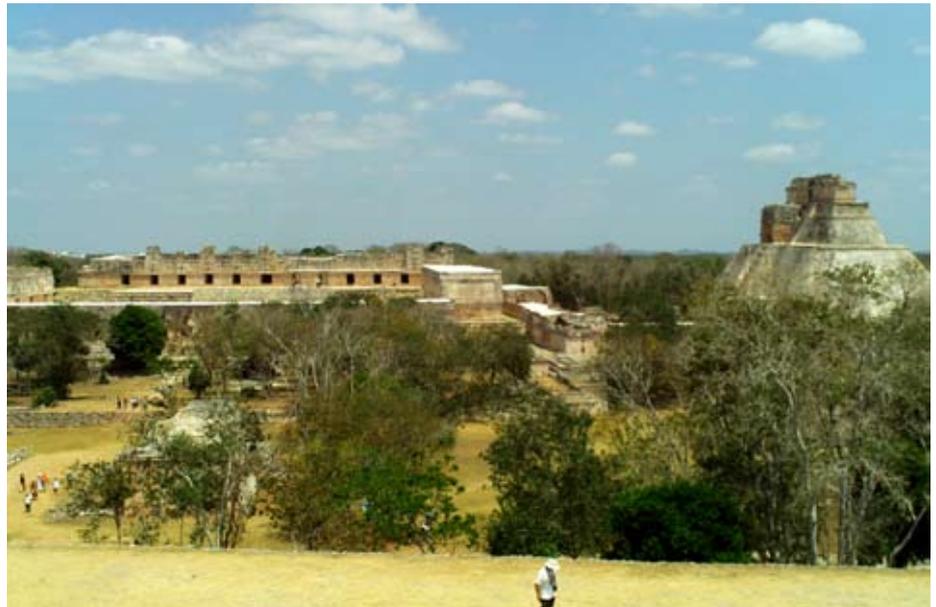
A workshop on
Biodeterioration of our Cultural Heritage
and sustainable conservation solutions
25-26 March 2010



This 2-day workshop, which received a Small Meetings grant from the Society, was held at the University of Campeche, in the Yucatan peninsula, Mexico. It was organised by Otto Ortega-Morales, from the University there, and Chris Gaylarde, IBBS President, and currently a visiting researcher at the University. Teaching staff also included Glyn Morton, a former IBBS president, and current - and lifelong - Honorary Fellow. Topics covered were biodeterioration of historic structures, the importance of biofilms, biodeterioration of wall paintings, methods used for study of cultural heritage materials and their deterioration: characterization and testing, and traditional and alternative control methods.

Much of the programme included research carried out on the Mayan ruins to be found in the Yucatan, as well as in the nearby countries of Belize and Guatemala. Dr. Ortega-Morales, for example, presented results on biofilms at Uxmal.

Chris Gaylarde spoke of the Trentepohlia biofilms prevalent at certain sites in Southern Campeche. The photo below shows one of the structures at the Becan site, where red biofilms of this alga are seen in specific orientations.



Uxmal



Glyn Morton talked about his recent research on Aureins, potential control agents for biofilms, as well as discussing the use of standard and bespoke biodeterioration test methods for materials.

The workshop was attended by 17 delegates. Most of them were researchers and students of the Masters Programme in Environmental Biology and Biotechnology, and undergraduates of chemistry and biology. The Director General of the Instituto Nacional de Antropología e Historia in Campeche, the local authority responsible for implementing cultural heritage protection programmes, also attended.

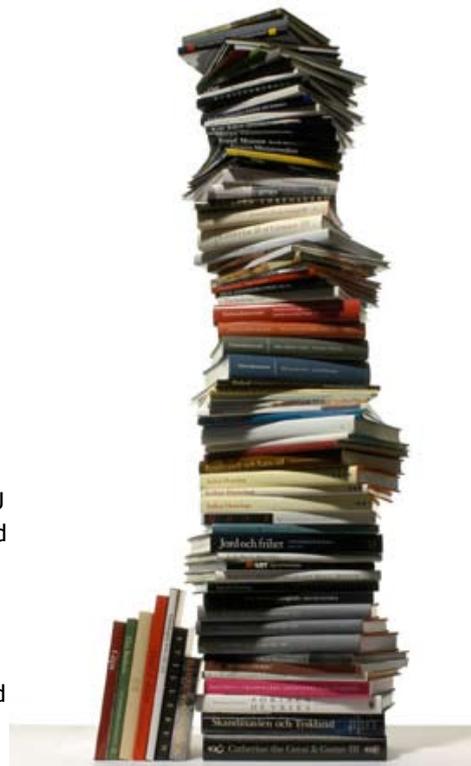


The organisers wish to thank IBBS for the Small Meetings grant, which was a great help in enabling the meeting to proceed.

Other items

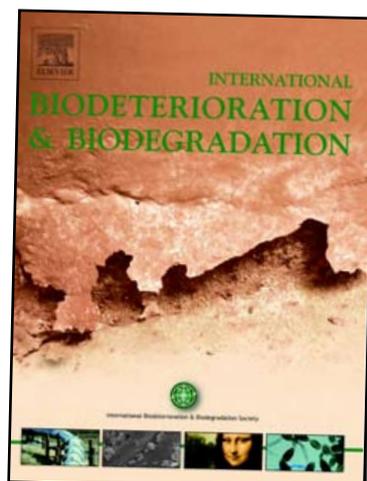
Book Donations

Remember a few issues back, IBBS had collected a number of books (several crateloads actually), which we wanted to donate to a deserving cause. The books were recently dispatched to Africa via Manchester Metropolitan University, through READ International. READ International is an innovative, multi-award winning charity that operates a network of student-led volunteer projects based in over 35 UK Universities. Each project is tasked with collecting books from within their community, fundraising money and engaging young people in global citizenship. All the books collected are sorted by volunteers, according to a unique three step process: first and foremost, always for Tanzania and Uganda, second for their selling potential, and third for recycling - both of the latter raising funds for the charity. We were delighted to be able to pass over our books to the National Community Book Drive Manager, and to help support education in developing countries. For future information, READ will be running a Community Book Drive project at MMU from September, and will be looking for both volunteers to help with the project, and also for more books to send to East Africa. You can read more about the project at www.readinternational.org.uk/read_book_projects/campus_book_drive/. To donate more books, you can email manchestermet@readbookproject.org.uk, or just contact John Gillatt, IBBS Secretary (johng@thor.uk.com). Lastly, READ International wish to convey their thanks to IBBS for their generosity and help in the project.



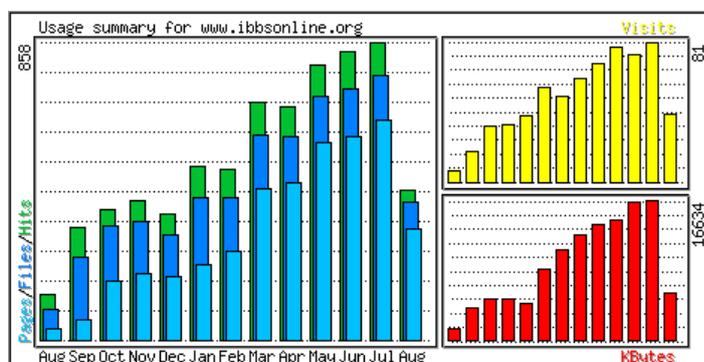
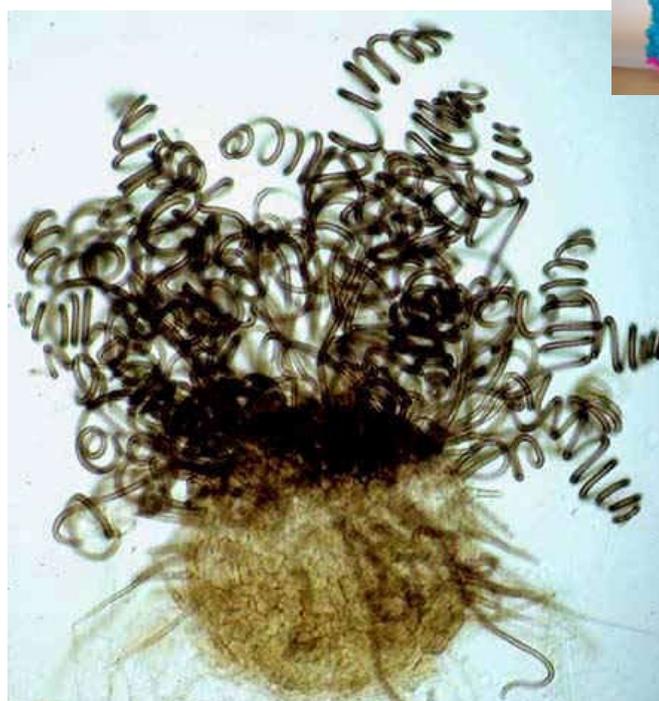
Journal Impact Factor

The International Biodeterioration and Biodegradation Journal has had a significantly improved Impact factor for 2009 over 2008, with 2,268 citations (1702 in 2008), a ranking of 55 out of 180 (87 of 163 in 2008), with an impact factor of 2.252 (1.375) in 2008).



Mystery picture

The lovely pom-pom on page one is a creative interpretation of *Chaetomium globosum* by a first year MMU undergraduate. It's easy to see the similarity!



Website

Paul Airey is happy to report on the success of our new website. 900 hits per day, increasing month on month! Many thanks to Paul for his input and creativity.

IBBS-15: Update from the Organisers

Dear colleagues,

on behalf of the International Biodeterioration and Biodegradation Society we are pleased to invite you to the 15th International Symposium on Biodeterioration and Biodegradation (IBBS-15) to be held in Vienna (Austria) at the University of Natural Resources and Applied Life Sciences from 19th to 24th September 2011. The IBBS-15 Symposium is dedicated to different topics dealing with biodeterioration and biodegradation of organic and inorganic materials including cultural heritage objects, corrosion of metals and rocks, applied aspects of biotechnology such as conversion of lignocellulose, bioremediation of polluted soils and water and state of the art techniques to study function and diversity of microorganisms involved in these processes. The symposium takes place every three years, assembling scientists from different parts of the World. Young scientists (< 36 years old) are particularly encouraged to attend - FEMS sponsorship has been obtained). The IBBS-15 scientific presentations, the poster discussion and workshops will be hosted by the Department of Biotechnology.

We hope to meet you in Vienna and invite you to visit the IBBS-15 homepage at

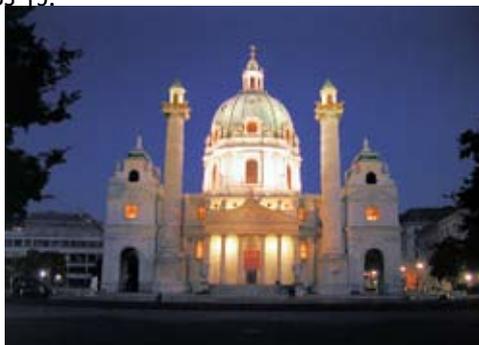
<http://ibbs-15.boku.ac.at>

where you find further information about the topics, the organization and the congress venue. We kindly ask you to fill in our short pre-registration form to make sure that you receive all further information. Please be so kind to pass on this information to all colleagues that might be interested in IBBS-15.

We kindly send our best regards,

Katja & Guadalupe

Asso. Prof. Dr. Katja Sterflinger
Dr. Guadalupe Pinar
Department of Biotechnology / ACBR
Muthgasse 18
A - 1190 Vienna
0043 (0)1 36006 - 6260 (office)
0043 (0)699 19234729 (mobile)
Fax 0043 (0)1 3697615



Educational Resources

Five new information sheets will shortly be available on the website. These are entitled 'Notes on'... biodeterioration of cosmetics (Kevin Roden), artworks in paint (Katja Sterflinger), plastics (Geoff Robson), MIC (Diego Moreno) and preservation (Malcolm Greenhalgh), and add to the existing series (Notes on wood, bioremediation, biodeterioration, stone and paint) already on the website. Feedback welcome! (j.verran@mmu.ac.uk).



Other Meetings

Oilfield and Petroleum Microbiology

November 17 - 19 2010

Danish Technological Institute,
Aarhus.

www.dti.dk/26495

16th Reservoir Microbiology Forum (RMF2010)

November 30 - -December 1
2010

www.energyinst.org.uk/rmf2010

International Water Association. Microbes in wastewater and waste treatment, bioremediation and energy production.

January 24 - 27 2011, Birla,
Goa.

www.bits-goia.ac.in/mwt2011.

FEMS Congress

June 26 - 30, 2011. Geneva
Switzerland.

www.kenes.com/fems-microbiology

Abstract deadline January 14
2011.

FEMS Update

2011 marks the 4th FEMS Congress. These large international meetings provide a marvellous opportunity for member societies to meet colleagues and to participate in symposia that cover all aspects of microbiology. Young scientists from FEMS societies can apply for funding to support attendance at FEMS sponsored meetings.

IBBS has recently been successful in its application for FEMS funding for IBBS-15. IBBS deeply values the benefits of FEMS membership, and is grateful for the support provided to our members and conferences.