

Currículum Vitae - David Thickett

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Nacionalidad: británica

Fecha de nacimiento: 25 de junio de 1967

EDUCACIÓN

- 2000-2012 **Birkbeck College, Londres**
Doctorado, Canvios post excavación y conservación preventiva del hierro arqueológico
- 1985-1988 **Kings College, Cambridge University**
MA (Hons.) Cantab. en Ciencias Naturales
Part I: Química 1, Química 2 i Ciencias de los Materiales 2.1
Part II: Química 3

HISTORIAL DE OCUPACIÓN

- 2003-present **Científico senior de conservación, Patrimonio Inglés**
Responsable de la conservación preventiva ambiental en 115 propiedades históricas con unos 500.000 objetos. Lidera el programa de investigación de conservación de colecciones, que ha iniciado 27 proyectos de investigación y ha generado 88 publicaciones. Gestiona dos científicos de la conservación y un gestor de plagas de insectos. Incluye dos años como jefe en Conservación de Colecciones.
- 1990-2003 **Oficial científico del Museo Británico**
Responsable de los estudios de degradación de materiales inorgánicos y métodos de conservación preventiva general. Ha dirigido un asistente científico.
- 1988-1990 **Oficial de investigación, GRSteins Refractories**
Responsable del desarrollo de nuevos productos cerámicos especiales para acero y medios de trituración.

ROLES PROFESIONALES

- 2005-2008 **Coordinador de ICOM-CC Grupo de Trabajo de Conservación Preventiva**
- 2002-2005 **Coordinador adjunto del anterior**
- 2008-2011 **Coordinador adjunto del anterior**
- 2014-present **Coordinador adjunto del Grupo de Trabajo de Conservación de Metales ICOM-CC**
- 2006-2010 **Representante del comité de gestión del Reino Unido y presidente del grupo de trabajo de COST Action D42, interacciones químicas del medio ambiente con el patrimonio cultural interior, 2006-2010.**
- 2009-2013 **Miembro del comité del grupo científico ICON**
- 2005-present **Miembro del consejo de dirección y editor de pigmentos, minerales y polímeros, Grupo de usuarios de infrarrojos i Raman**
- 2008-2012 **Examinador externo Care of Collections, Conservation MScs, Cardiff University**
- 2008-present **Experto británico CEN TC346**
- 2008-present **Miembro del grupo Mirror del Reino Unido para al CEN TC346, comité B/560**
- 2015-present **Miembro del Consejo Editorial Heritage Science**
- 1015-present **Patronato, Fórum Nacional de Ciencia del Patrimonio**

SUBVENCIONES Y PREMIOS

- 2008-2011 **Co-supervisor Premio de doctorado colaborativo AHRC**, Reducción del riesgo de visualización abierta: optimización de la conservación preventiva de lugares históricos
- 2010-2013 **Socio y líder del grupo de trabajo en el proyecto de la Comisión Europea MEMORI**, Medida, evaluación de efectos y mitigación del impacto de los contaminantes en bienes culturales muebles – investigación innovadora para la transferencia de mercado bajo la convocatoria FP7-ENV-2010 Medio ambiente, acuerdo de subvención 265132.
- 2010-2014 **Becas interdisciplinarias del Programa de Ciencia y Patrimonio AHRC i EPSRC**
Colecciones Demografía
Olores del Patrimonio
Nueva generación *Optical Coherence Tomography*
Hierro patrimonial
Representando el Renacimiento
- 2011- 2015 **Co-supervisor AHRC y EPSRC Becas de investigación colaborativa del programa de ciencia y patrimonio**, preparando colecciones históricas para el cambio climático
- 2014-2018 **Co-supervisor AHRC Proyecto de doctorado colaborativo Beca de investigación**, Funda protectora de invierno para escultura al aire libre
- 2015-present **Co-supervisor AHRC y EPSRC, Ciencia e ingeniería en Artes, Historia y Arqueología Becas de investigación colaborativa**, Entelados en pintura sobre tela.
- 2017-present **Co-supervisor AHRC Proyecto de doctorado colaborativo Becas de investigación**, Deterioro y conservación preventiva del hueso arqueológico
- 2016-present **Co-supervisor AHRC y EPSRC, Programa de Ciencia e Ingeniería en Artes, Historia y Arqueología Becas de investigación colaborativa**, Deterioro y conservación preventiva del vidrio arqueológico

Publicaciones

Revistas referenciadas

1. J. Zhang, D. Thickett and L.R. Green, Two tests for the detection of volatile organic acids and formaldehyde, *Journal of the American Institute of Conservation*, 33, 1993, 47-53
2. L.R. Green and D. Thickett, Testing materials for use in the storage and display of antiquities - a revised methodology, *Studies in Conservation*, 40, 1995, 145-152
3. D. Thickett, P. Cruikshank and C. Ward, The conservation of amber, *Studies in Conservation*, 40, 1995, 217-226
4. D. Thickett, Sealing MDF to Prevent Corrosive Emissions, *The Conservator*, 22, 1998, 49-56
5. D. Thickett and M. Odlyha, Note on the Identification of an Unusual Pale Blue Corrosion Product from Egyptian Copper Alloy Artefacts, *Studies in Conservation*, 45, 2000, 63-67
6. D. Thickett and M. Odlyha, The Contribution of Thermo Analytical Techniques to Conservation in the British Museum, *Thermochimica Acta*, 365, 2000, 167-175
7. K. Uprichard, D. Thickett and N.J. Lee, The Re-backing of Mosaics in the British Museum, *Conservator*, 24, 2000, 521-60
8. D. Thickett and D. Ling, An Improved Firing Treatment for Cuneiform Tablets, *Studies in Conservation*, 47, 2002, 1-11
9. K. Hallett, D. Thickett, D. McPhail and R. Chater, Application of SIMS to Silver Tarnish at the British Museum, *Applied Surface Science*, 203-204, 2003, 789-792
10. R. Robinet and D. Thickett, A new methodology for accelerated corrosion testing, *Studies in Conservation*, 2004
11. D. Thickett and M. Odlyha, Application of Thermomagnetometry to Corrosion Studies of Archaeological Iron, *Journal of Thermal Analysis and Calorimetry*, 80 (3), 2005, 565-571
12. D. Thickett, F. David and N. Luxford, Air Exchange Rate; A dominant parameter for showcases, *The Conservator*, 2006, 19-34
13. M. Strlic, I.K. Cigic, A. Mozir, D. Thickett, G. De Bruin, J. Kolar and M. Cassar, Test for compatibility with organic heritage materials – a proposed procedure, *E-Preservation Science*, 7, 2010, 78-86
14. S. Lopez-Aparicio, T. Grøntoft, M. Odlyha, E. Dahlin, P. Mottner, D. Thickett, M. Rhyll-Svendsen, N. Schmidbauer and M. Scharff, Measurement of organic and inorganic pollutants in microclimate frames for paintings, *E-Preservation Science*, 7, 2010, 59-70
15. T. Grøntoft, M. Odlyha, P. Mottner, E. Dahlin, S. Lopez-Aparicio, S. Jakiela, M. Scharff, G. Andrade, M. Obarzanowski, M. Rhyll-Svendsen, D. Thickett, S. Hackney and J. Wadum, Pollution monitoring by dosimetry and passive diffusion sampling for evaluation of environmental conditions for paintings in microclimate frames, *Journal of Cultural Heritage*, 11 (4), 2010, 411-419
16. D. Thickett and B. Pretzel, Micro-spectroscopy: a powerful tool to understand deterioration, *E-Preservation Science*, 7, 2010, 158-164
17. M. Odlyha, D. Thickett and L. Sheldon, Minerals associated with artists' paintings and archaeological iron objects, *Journal of Thermal Analysis and Calorimetry*, 105 (3) 2011, 875-881
18. D. Thickett and P. Lankester, Critical knowledge gaps in environmental risk assessment and prioritizing research. *Collections*, 8 (4), 2012, 281-296
19. P. Brimblecombe, C. Brimblecombe, D. Thickett and D. Lauder, Statistics of insect catch within historic properties, *Heritage Science*, 2013, 1:34
20. T. Grøntoft, P. Lankester and D. Thickett, Reduction of acidic pollutant gases inside showcases by the use of activated carbon adsorbers, *E-preservation Science*, 12, 2015, 28-37
21. M. Strlič, C.M. Grossi, C. Dillon, N. Bell, K. Fouseki, P. Brimblecombe, E. Menart, K. Ntanos, W. Lindsay, D. Thickett, F. France and G. De Bruin, Damage function for historic paper, Part I: Fitness for use, *Heritage Science*, 2015, 3:33
22. M. Strlič, C.M. Grossi, C. Dillon, N. Bell, K. Fouseki, P. Brimblecombe, E. Menart, K. Ntanos, W. Lindsay, D. Thickett, F. France and G. De Bruin, Damage function for historic paper, Part II: Wear and tear, *Heritage Science*, 2015, 3:36
23. M. Strlič, C.M. Grossi, C. Dillon, N. Bell, K. Fouseki, P. Brimblecombe, E. Menart, K. Ntanos, W. Lindsay, D. Thickett, F. France and G. De Bruin, Damage function for historic paper, Part III: Isochrones and demography of collections, *Heritage Science*, 2015, 3:40
24. J. Grau-Bové, B. Budič, I. Cigić, D. Thickett, S. Signorello and M. Strlič, The effect of particulate matter on paper degradation, *Heritage Science*, 4 (20), 2016, 1-8
25. D. Thickett, *Frontiers of Preventive Conservation*, *Studies in Conservation*, 63: sup1, 2018, 262-267, DOI: 10.1080/00393630.2018.1504455
26. D. Thickett and B. Pretzel, Surface Infra-red spectroscopy for Conservation, *Heritage Science*, 2020, 8:5

Capítulos de libros

1. L.R. Lee and D. Thickett, Selection of materials for use in the storage or display of museum objects, *British Museum Occasional Paper 111*, The British Museum, 1996
2. L. Robinet, and D. Thickett, Application of Raman Spectroscopy to Corrosion Products, in *Raman Spectroscopy in Archaeology and Art History*, Royal Society of Chemistry, 2005, 325-333
3. D. Thickett, Basic Chemical Mechanisms Indoors, in *Basic Environmental Mechanisms Affecting Cultural Heritage*, Nardini Editore, Firenze, 2010, 69-74
4. M. Odlyha, C. Johan Bergstein and D. Thickett, Volatile Organic Compounds (VOCs) Released by Wood, in *Basic Environmental Mechanisms Affecting Cultural Heritage*, Nardini Editore, Firenze, 2010, 107-114
5. D. Thickett, Specifying air exchange rates of showcases, in *Chemical Interactions between Cultural Artefacts and Indoor Environment*, Acco Leuven, The Hague, 2018, 25-48
6. C. Candeias and D. Thickett. Performance of showcases for organic archaeology, in *Chemical Interactions between Cultural Artefacts and Indoor Environment*, Acco Leuven, The Hague, 2018, 155-172

Actas de conferencias

1. S.M. Bradley and D. Thickett, The movement of water and soluble salts in stone, *Seventh International Conference on the Deterioration and Conservation of Stone*, Portugal, 1992, 417-426
2. V. Daniels and D. Thickett, The reversion of blackened lead white on paper, *The Institute of Paper Conservation*, Manchester, 1992, 109-115
3. D. Thickett, Effects of solvents on the analysis of amber, *Conservation Science in the UK '93*, Glasgow, 49-56
4. L.R. Green and D. Thickett, Inter-laboratory survey of the Oddy test, *Conservation Science in the UK '93*, Glasgow, 111-116

5. L.R. Green and D. Thickett, Modern metals in museum collections, Symposium '91: Saving the Twentieth Century: The conservation of modern materials, Canadian Conservation Institute, Canada, 1993, 261-272
6. S.M. Bradley and D. Thickett, The study of salt and moisture movement in porous stone at the British Museum 1993-95, *Conservation Science in the UK 95*, in press
7. D. Thickett and C.E. Enderly, The cleaning of coin hoards: The benefits of a collaborative approach, *The Interface of Science and Conservation*, British Museum Occasional Paper 116, British Museum, 1997, 183-192
8. D. Thickett, MDF - Safe for use in museums?, *Museum Practice*, 5, 1997, 20-21
9. D. Thickett, The use of a beam-condenser for micro analysis, *Post-prints of Second Infra-Red Users Group 1995*, 1998, 57-70
10. S.M. Bradley, H. Newey, L.R. Lee, J. Lang, P. Craddock, S. Watkins, F. Shearman and D. Thickett, Assessment of the plasma treatment for archaeological iron collections of the British Museum, *Conference on Conservation of Metal Objects in Low Pressure Hydrogen Plasma*, Zurich, 1998, 54-58
11. D. Thickett, S.M. Bradley and L.R. Lee, Assessment of the Risks to Metal Artefacts Posed by Volatile Carbonyl Pollutants, *METAL 98*, Proceedings of the International Conference on Metals Conservation, Nice, 1998, 260-264
12. D. Thickett, and M. Odlyha, Playing with Fire. Characterisation of Clay Types used to Fabricate Cuneiform Tablets and their Thermal Behaviour During Firing Based Conservation Treatments, *Pre-prints of Twelfth Triennial Meeting of ICOM-CC*, Lyon, 1999, 809-815
13. S.M. Bradley and D. Thickett, The Pollution Problem in Perspective, *Preprints of Twelfth Triennial Meeting of ICOM-CC*, Lyon, 1999, 8-13
14. D. Thickett, N.J. Lee and S.M. Bradley, Assessment of the Performance of Silane Treatments Applied to Egyptian Limestone Sculptures Displayed in a Museum Environment, *9th International Congress on Deterioration and Conservation of Stone*, Venice, 2000, 503-512
15. D. Thickett and M. Hockey, The Effects of Conservation Treatments on the Subsequent Tarnishing of Silver, *Post-prints of Conservation Science*, 2002, 155-161
16. D. Thickett, Vibration Damage Levels for Museum Objects, *Pre-prints of 13th Triennial Meeting of ICOM-CC*, 2002, 90-95
17. R. Robinet and D. Thickett, Application of Raman Spectroscopy to Corrosion Products, in *Raman Spectroscopy in Archaeology and Art History*, Royal Society of Chemistry, 2005, 325 - 333
18. D. Thickett, The use of Infra-red and Raman Spectroscopies for Iron Corrosion Products, *Post-prints of Sixth Infra-Red Users Group*, Florence, 2005, 86-93
19. D. Thickett, Print Frame Microclimates, Mounting and Housing of Art on Paper, 2005, 48-55
20. J. Berry, F. David, S. Julien-Lees, B. Stanley and D. Thickett, Assessing the performance of protective winter covers for outdoor marble statuary: pilot investigation, *Preprints of 14th Triennial Meeting of ICOM-CC*, The Hague, 2005, 879-887
21. K. Lithgow, H. Lloyd, P. Brimblecombe, Y.H. Hoon and D. Thickett, Managing dust in historic houses – a visitor/conservator interface, *Pre-prints of 14th Triennial Meeting of ICOM-CC*, The Hague, 2005, 662-669
22. A. Calver, A. Holbrooke, D. Thickett and S. Weintraub, Simple methods to measure air exchange rates and detect leaks in display and storage enclosures, *Pre-prints of 14th Triennial Meeting of ICOM-CC*, The Hague, 2005, 597- 60
23. D. Thickett, Development of show cases for archaeological metals in aggressive environments, *Pre-prints of Metal 07*, Netherlands Cultural Institute, Amsterdam, 2007, 105-109
24. N. Luxford and D. Thickett, Preventing silver tarnish – lifetime determination of cellulose nitrate lacquer, *Pre-prints of Metal 07*, Netherlands Cultural Institute, Amsterdam, 2007, 88-93
25. D. Thickett, S. Rhee and S. Lambarth, Libraries and archives in historic buildings, in *Museum Microclimates*, Copenhagen, 2007, 145-156
26. D. Thickett, P. Fletcher, A. Calver and S. Lambarth, The effect of air tightness on rh buffering and control, in *Museum Microclimates*, Copenhagen, 2007, 245-252
27. M. Odlyha, C. Theodorakopoulos, D. Thickett, M. Ryhl-Svendsen, J.M. Slater and R. Campana, Dosimeters for indoor microclimate monitoring for cultural heritage, in *Museum Microclimates*, Copenhagen, 2007, 73-80
28. H. Lloyd, C. Bendix, P. Brimblecombe and D. Thickett, Dust in historic libraries, in *Museum Microclimates*, Copenhagen, 2007, 135-144
29. D. Thickett, Art08, Determining the Stability and Durability of Archaeological Materials, Jerusalem, 2008
30. D. Thickett and E. Richardson, Preventive conservation research for plastics on open display, *Post-prints of Plastics: Looking at the Future & Learning from the Past*, London, 2008, 89-98
31. D. Thickett, Presentation in original contexts via microclimates, *Pre-prints of Preservation and Access*, International Institute for Conservation, 2008, 98-103
32. D. Thickett, B. Stanley, and K. Booth, Retrofitting old display cases, in *Pre-prints ICOM-CC 15th Triennial Conference*, New Delhi, 2008, 775-782
33. N. Luxford, D. Thickett and P. Wyeth, Applying Preventive Conservation Recommendations for Silk in Historic Houses, in *Multi-disciplinary Conservation: a Holistic View for Historic Interiors Joint Interim-Meeting of five ICOM - CC Working Groups*, Rome, 2010, 1-11
34. D. Thickett and K. Short-Traxler, Practical application of sorbents in *Pre-prints of Metal 2010*, 2010, 414-420
35. M. Odlyha, S. Jaikiela, C.J. Bergsten, J. Slater, A. Niklasson, J.E. Svensson, A. Cavicchioli, D.I.A. Faria, D. Thickett, T. Grontoft and E. Dahlin, Dosimetry for monitoring in organ pipes and microclimate frames for paintings, in *Preprints of Metal 2010*, 2010, 430-436
36. D. Thickett and M. Odlyha, Assessment of dry storage microenvironments for archaeological iron, *Post-prints of The Conservation of Archaeological Materials: Current trends and future directions*, Williamsburg, USA, 2010, 187-199
37. D. Thickett, L. Csefalvayova and M. Strlic, Smart conservation: targeting controlled environments to improve sustainability in *Pre-prints of 16th Triennial meeting of ICOM-CC*, Lisbon, 2011, 19-23
38. D. Thickett, Effects of light on silver tarnishing in *Pre-prints of 16th Triennial meeting of ICOM-CC*, Lisbon, 2011
39. N. Luxford, D. Thickett, and P. Wyeth, Non-destructive testing of silk: problems and possibilities in *Pre-prints of 16th Triennial ICOM-CC Conference*, Lisbon, 2011
40. P. Lankester, D. Thickett and P. Brimblecombe, The impact of climate change on historic interiors and display enclosures, *Proceedings of the 2nd European Workshop on Cultural Heritage Preservation*, Norway, 2012, 131-139
41. P. Lankester, P. Brimblecombe and D. Thickett, The application of damage functions to future indoor climate predictions, *Proceedings of Climate for Collections: Standards and Uncertainties*, Munich, Germany, 2012
42. D. Thickett, R. Chisholm and P. Lankester, Development of Damage Functions for Copper, Silver and Enamels on Copper. In *Climate for Collections*, *Post-prints of the Munich Climate Conference*, 2013, 325-336

43. P. Lankester and D. Thickett, Delivering damage functions in enclosures. In *Climate for Collections*, Post-prints of the Munich Climate Conference, 2013, 337-348
44. D. Thickett, N. Luxford and P. Lankester, Environmental Management Challenges and Strategies in Historic Houses. In *The Artifact, its Context and their Narrative*, joint conferences of ICOMDEMIST and ICOM-CC, Getty Conservation Institute, Los Angeles, 2013
45. D. Thickett, R. Chisholm and P. Lankester, Reactivity monitoring of atmospheres, in *Pre-prints of Metal 2013*, 2013, 129-135
46. D. Thickett and M. Odlyha, The formation and transformation of akaganeite, in *Pre-prints of Metal 2013*, 2013, 103-109
47. D. Thickett, P. Lankester and L. Pereira Pardo, Testing Damage Functions for Mould Growth, in *ICOM-CC 17th Triennial Conference Pre-prints*, Melbourne, 2014, article 2103
48. D. Thickett and V. Costa, The effect of particulate pollution on the corrosion of metals in heritage locations, in *ICOM-CC 17th Triennial Conference Pre-prints*, Melbourne, 2014, article 2103
49. D. Thickett, Managing natural light in historic properties, in *Lights On Cultural Heritage and Museums!*, 2016, 245-264
50. D. Thickett and B. Stanley, Corrosion protection for complex large equipment, in *Big Stuff 2016*, 1-15
51. D. Thickett, Management of Sodium Sulfate Damage to Polychrome Stone and Buildings, *4th International Conference on Salt Weathering of Buildings and Stone Sculptures*, 2018
52. D. Thickett and B. Stanley, The Use and Mis-use of Renaissance Wax, in *Metal 2019: Proceedings of the Interim Meeting of the ICOM-CC Metal Working Group*, Neuchatel, 2019: ICOM-CC and HE-Arc CR;232-240
53. D. Thickett, V. Vilde, P. Lankester and E. Richardsen, Using science to assess and predict object response in historic house environments, in *Preventive Conservation in Historic Houses and Palace Museums: Assessment Methodologies and Applications*, 2020