

# Currículum Vitae - David Thickett

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## EDUCACIÓ

- 2000-2012 **Birkbeck College, Londres**  
Doctorat, Canvis post excavació i conservació preventiva del ferro arqueològic
- 1985-1988 **Kings College, Cambridge University**  
MA (Hons.) Cantab. en Ciències Naturals  
Part I: Química 1, Química 2 i Ciències dels Materials 2.1  
Part II: Química 3

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## HISTÒRIA D'OCUPACIÓ

- 2003-present **Científic sènior de conservació, Patrimoni Anglès**  
Responsable de la conservació preventiva ambiental en 115 propietats històriques amb uns 500.000 objectes. Lidera el programa de recerca de conservació de col·leccions, que ha iniciat 27 projectes de recerca i ha generat 88 publicacions. Gestiona dos científics de la conservació i un gestor de plagues d'insectes. Inclou dos anys com a Cap en Conservació de Col·leccions.
- 1990-2003 **Oficial científic del Museu Britànic**  
Responsable dels estudis de degradació de materials inorgànics i mètodes de conservació preventiva general. Ha dirigit un assistent científic.
- 1988-1990 **Oficial d'investigació, GRSteins Refractories**  
Responsable del desenvolupament de nous productes ceràmics especials per a acer i mitjans de trituració.

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## ROLS PROFESSIONALS

- 2005-2008 **Coordinador d'ICOM-CC Grup de Treball de Conservació Preventiva**
- 2002-2005 **Coordinador adjunt de l'anterior**
- 2008-2011 **Coordinador adjunt de l'anterior**
- 2014-present **Coordinador adjunt del Grup de Treball de Conservació de Metalls ICOM-CC**
- 2006-2010 **Representant del comitè de gestió del Regne Unit i president del grup de treball de COST Action D42, interaccions químiques del medi ambient amb el patrimoni cultural interior, 2006-2010.**
- 2009-2013 **Membre del comitè del grup científic ICON**
- 2005-present **Membre del consell de direcció i editor de pigments, minerals i polímers, Grup d'usuaris d'infrarojos i Raman**
- 2008-2012 **Examinador extern Care of Collections, Conservation MScs, Cardiff University**
- 2008-present **Expert britànic CEN TC346**
- 2008-present **Membre del grup Mirror del Regne Unit per al CEN TC346, comitè B/560**
- 2015-present **Membre del Consell Editorial Heritage Science**
- 1015-present **Patronat, Fòrum Nacional de Ciència del Patrimoni**

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## SUBVENCIONS I PREMIS

- 2008-2011 **Co-supervisor Premi de doctorat col·laboratiu AHRC**, Reducció del risc de visualització oberta: optimització de la conservació preventiva de llocs històrics
- 2010-2013 **Soci i líder del grup de treball en el projecte de la Comissió Europea MEMORI**, Mesura, avaluació d'efectes i mitigació de l'impacte dels contaminants en béns culturals mobles – recerca innovadora per a la transferència de mercat sota la convocatòria FP7-ENV-2010 Medi ambient, acord de subvenció 265132.
- 2010-2014 **Beques interdisciplinàries del Programa de Ciència i Patrimoni AHRC i EPSRC**  
Col·leccions Demografia  
Olors del Patrimoni  
Nova generació *Optical Coherence Tomography*  
Ferro patrimonial  
Representant el Renaixement
- 2011- 2015 **Co-supervisor AHRC i EPSRC Beques de recerca col·laborativa del programa de ciència i patrimoni**, preparant col·leccions històriques per al canvi climàtic
- 2014-2018 **Co-supervisor AHRC Projecte de doctorat col·laboratiu Beca d'investigació**, Funda protectora d'hivern per a escultura a l'aire lliure
- 2015-present **Co-supervisor AHRC i EPSRC, Ciència i enginyeria en Arts, Història i Arqueologia Beques d'investigació col·laborativa**, Entelats en pintura sobre tela.
- 2017-present **Co-supervisor AHRC Projecte de doctorat col·laboratiu Beques de recerca**, Deteriorament i conservació preventiva de l'os arqueològic
- 2016-present **Co-supervisor AHRC i EPSRC, Programa de Ciència i Enginyeria en Arts, Història i Arqueologia Beques de recerca col·laborativa**, Deteriorament i conservació preventiva del vidre arqueològic

## Publicacions

### Revistes referenciades

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
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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

### Capítols de llibres

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

### Actes de conferències

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-Svendson, 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 ICOMDEM HIST 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