

# 叶健雄



职称： 助理教授  
学院/部门： 人文艺术学院  
电邮地址： khip@must.edu.mo  
电话： (853) 8897-2205  
传真： (853) 2888-0091  
办公室： R607  
邮件地址： 澳门凼仔伟龙马路

## 教研领域

文物保护与修复，传统建筑材料的制造技术，材料分析及材料兼容性，创新修复材料设计，城市环境对建筑文物的影响

## 学历

2002 - 2007 博士学位 / 悉尼科技大学科学学院化学系建筑文物修复范畴  
(澳大利亚联邦政府研究生奖学金)  
2001 - 2002 荣誉学位 / 悉尼科技大学科学学院化学系应用化学一级荣誉学位及大学奖章得奖者  
1997 - 2001 学士学位 / 悉尼科技大学科学学院化学系应用化学

## 教学经验

现职 澳门科技大学 / 人文艺术学院 / 助理教授  
2002 - 2005 悉尼科技大学 / 科学学院 / 讲师  
2001 - 2005 悉尼科技大学 / 科学学院 / 实验室导师

## 学术成果

期刊文章：

Ip KH, Stuart B, Ray A, Thomas P (2011). ESEM-EDS Investigation of the Weathering of a Heritage Sydney Sandstone. *Microscopy and Microanalysis: Dec.3:1 - 4* (DOI:10.1017/S1431927610094249, Corpus ID: 31567129)

Ip KH, Stuart BH, Thomas PS, Ray AS (2011). Characterization of poly(9-vinyl alcohol) - montmorillonite composites with higher clay contents. *Polymer Testing: 30: 7, 732-736*. (DOI: 10.1016/j.polymertesting.2011.06.004, Corpus ID: 94036411)

Ip KH, Stuart BH, Ray AS, Thomas PS (2008). A spectroscopic investigation of the weathering of a heritage Sydney sandstone. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy; 71: 3, 1032 - 1035*. (DOI:10.1016/j.saa.2008.02.042, Corpus ID: 12919291)

Ip KH, Stuart BH, Thomas PS, Ray AS (2008). Thermal characterization of the clay binder of heritage Sydney sandstones. *Journal of Thermal Analysis and Calorimetry; 92: 1, 97 - 100*. (DOI:10.1007/S10973-007-8743-Y, Corpus ID: 53063287)

Ip KH, Ray AS, Stuart BH, Thomas, PS (2005). Thermal Analysis of Heritage Stones. *Journal of Thermal Analysis and Calorimetry; 80: 3, 559 - 563*. (DOI: 10.1007/s10973-005-0694-6)

Friolo KH (2004). Development of polymer Clay nanocomposites as stone consolidants for Sydney's Heritage Buildings. *Materials Australia; 37: 4, 12 - 14*.

Friolo KH, Stuart BH, Ray AS (2003). Characterization of weathering of Sydney sandstones in heritage buildings. *Journal of Cultural Heritage*, 4: 3, 211 – 220.  
(10.1016/S1296-2074(03)00047-5)

### 会议论文:

Ip KH (2015). Sustaining traditional practice and utilizing local materials in heritage conservation. Australian ICOMOS – Fabric Conference, 5-8 November 2015, Adelaide Australia.

Ip, K.H. (2005), “Chemical Analysis of Cementing Clays in Sydney’s Heritage Sandstone Buildings”, The 5th Australian Industrial Minerals Conference, Sydney, Australia, Australian Institute of Geoscientists, Sydney.

Ip KH, Ray AS, Stuart BH, Thomas PS (2005). Investigation of the degradation of sandstones in Sydney’s heritage buildings. The IV International Seminar on Structural Analysis of Historical Constructions, 10 – 13 November, Padova, Italy; 1: 239 – 244.  
(Corpus ID: 127901915)

Friolo KH, Thomas PS, Ray AS, Stuart BH (2004). Thermal analysis of yellow-block sandstones in Sydney’s Heritage Buildings. 13th International Congress on Thermal Analysis and Calorimetry (ICTAC 13), 12 – 19 September, Chia Laguna, Sardinia, Italy; P1 – 136.

Friolo KH, Ray AS, Stuart BH, Thomas PS (2004). Degradation of historic sandstone buildings of Sydney. 7th Australasian Masonry Conference, 13 – 16 July, Newcastle, Australia; 420 – 427.

Friolo KH, Stuart BH, Ray AS (2001). A study of the weathering of Sydney sandstone using FTIR spectroscopy. 4th Australian Conference on Vibrational Spectroscopy, Brisbane.

### 研究项目

- |             |   |
|-------------|---|
| 2002 - 2007 | PhD Thesis – Investigation into clay-based consolidants for Conservation of “Yellow Block Sandstones” in Sydney’s Heritage Buildings – Supported by the Australian Postgraduate Award |
| 2017 - 2019 | Conservation of Masonry – Chemical Consolidation – Supported by the Department of Planning, Transport and Infrastructure (DPTI), Adelaide, South Australia                            |

### 学术机构及社会任职

- |             |  |
|-------------|--|
| 2017 – 2020 | 文物建筑科研人员 / Stone Initiatives Testing Group, SA Australia |
| 2011 – 2017 | 文物建筑修复师 / 澳门特别行政区文化局                                     |
| 2006 – 2011 | 文物修复师 / 澳门艺术博物馆  |
| 1998 – 1999 | 实验室技术员 / 微量元素分析中心 / 澳大利亚联邦科学与工业研究组织                      |

### 专业资格认证及奖项

Member of the Royal Australian Chemical Institute Inc.

Robert K. Murphy Research Prize – most original research project (2002)

Schering Plough Prize – The best project seminar in an advanced chemistry project (2002)