丘志力 教授

中山大學地球科學系/寶玉石研究鑑定(評估)中心，

廣州 510275，中國

Dr.Qiu Zhi-li

Sun Yat-sen University's Department of Earth Science' s

Guangzhou, China

丘志力：中山大學地球科學系教授

1963- ，祖籍廣東蕉嶺文福，1981 年入南京大學地球科學系，負笈中山腳下，玄武湖邊，本科及碩士研究生就讀核地質礦產專業（六三專業）； 1988 年，獲工學碩士，返故里廣東有色地研所謀生，1989 轉調中山大學任教；遇地學之困，拓展寶石學路，篳路藍縷，似是而非，十八年； 1996 在職受教於中山大學嶺南學院，沐嶺南先賢之光（專業：國際經濟貿易），1999 獲經濟學碩士學位，知學所不足，知天下所貴； 2004 年，遊學西子湖畔，入浙江大學理學院地球科學系，問天地聚散離合之道（專業：地質學），2009 年結束負笈歲月，獲理學博士學位。曾任廣東省地質學會青年工作委員會主任，現為中山大學地球科學系教員，主理寶玉石研究鑑定（評估）中心，為英國寶石學會(Gem-A)專業會員（FGA），碩士導師。

學術及社會兼職：

中國珠寶玉石首飾行業協會鑑定評估專業委員會副主任；人工寶石專業委員會副主任；玉器分會副秘書長；教育委員會委員、理事
中國地質學會岩石專業委員會委員
中國註冊資產評估師（珠寶）考試專家委員會委員
全國珠寶玉石標準化技術委員會委員
廣東省黃金協會副會長，鑑定評估專業委員會常務副主任
廣東省金銀珠寶玉器業廠商會高級顧問
廣東省金銀珠寶商會顧問
廣州市金銀珠寶業商會顧問
“寶石與寶石學雜誌” 、“中國寶玉石”等珠寶雜誌編委/副主編

Prof. QIU Zhili, Department of Earth Science at Sun Yat-sen University

QIU Zhili was born in Guangdong in 1963. He studied in the Department of Earth Science at Nanjing University, majoring in Geological Minerals and graduated with a Bachelor’s and Master’s degree. In 1988, QIU returned to Guangdong and worked at the Guangdong Nonferrous Geological Institute. He then taught in 1989 in the Department of Earth Science at Sun Yat-sen University, serving as the graduates’ tutor until now. QIU received a Bachelor’s degree in Economics in 1999 and his PhD in Science in 2004. He is a Diploma Member at Gem-A and in charge of the Research & Testing (Appraisal) Centre at Sun Yat-sen University.

Professional background:

Vice Chairman of the Gold Association of Guangdong Province

Deputy Director of Jewelry Testing and Assessment Committee, Synthetic Gemstone Committee of the Gems & Jewelry Trade Association of China

Deputy Director of the Testing and Appraisal Committee of the Gold Association of Guangdong Province

Committee Member of:

- Committee on Rocks of the Geological Society of China,
- Examiners’ Committee of the Certified Public Valuer of China,
- China National Standardization Technical Committee on Jewellery & Jade,
- Education Committee of the Gems & Jewelry Trade Association of China

Senior Advisor of

- Guangdong Golden Jewelry and Jade Industry’s Association
- Guangdong Gold & Silver Jewellery Association
- Guangzhou Jewellery Chamber of Commerce

Editorial Member/Deputy Editor of

- Gems & Gemmology, China Gems and Jades

Guest Researcher of

- State Key Laboratory of Endogenous Minerals, Nanjing University
- State Key Laboratory of Lithospheric Evolution, Institute of Geology and Geophysics, Chinese Academy of science

Chief Researcher of:

- China National Natural Science Foundation (youth) on Corundum, and Ancient Jades
- Guangdong Natural Science Foundation on Mineral Inclusions and Ancient Jades
- Guangdong Provincial Science Project on Jadeite
- Ministry of Land and Resources Project on Characters of the China-origin Diamonds

講題：緬甸硬玉型翡翠產地來源特徵分析

概述

有關研究顯示，世界上重要硬玉岩（翡翠）形成機理及形成條件基本近似。筆者認為，由於形成時原岩、交代流體來源及演化過程存在差異，理論上不同產地來源的硬玉質翡翠的產地來源特徵應該存在差異。在對中國幾個主要翡翠原料及成品集散地多年實際觀察和部分樣品測試的基礎上，參考國際不同產地最新的研究成果，本文對緬甸硬玉型翡翠的產地來源特徵進行初步總結認為，在硬玉礦物含量比例、共生及伴生礦物種類、稀土微量元素組成以及鋯石 U-Pb 年齡及 Hf 同位素組成等 4 個方面，緬甸與其他產地出產的硬玉型翡翠存在不同的特徵，可以為鑑定翡翠是否來自緬甸主要礦區提供參考。

Topic: The analytic characteristics of Myanmar-Origin Jadeite (Feicui)

Abstracts

Relevant research has revealed that most Jadeite (Feicui) from key global sites have a similar formation mechanism and conditions. But the writer also believes that there would be some divergences in the origin-characteristics due to differences in the primary rocks, origins of the metasomatism fluid and the geological evolution process. Based on the research in China’s major Jadeite (Feicui) markets, the testing of some samples, and referring to the latest research results on different origins around the world, this article proposes that there are four aspects of divergences between Jadeite (Feicui) from Myanmar and those from other origins, including the percentage of the content of jadeite minerals, the variety of the commensal/associated minerals, the composition of rare-earth trace elements, and the Zircon’s U-Pb age, which can to some extent help us to identify whether the Jadeite (Feicui) is from Myanmar.