

The Importance of Research for Gem & Jewellery Industry



Pornsawat Wathanakul

Gem and Mineral Science Special Research Unit, Department of Physics and Department of Earth Sciences, Faculty of Science, Kasetsart University, Bangkok, Thailand

Research has always been an essential tool for business leaders who always realise that the consuming public is active, and hence, research investment could help lead their business to the goal. The talk covers how research is important along the supply chain of gem & jewellery industry, i.e., from gemstone occurrences to the markets and the final consumers. The examples of in-depth research & advanced technology with new results are given and discussed for better knowledge in gem science and its applications such as the new explanation on causes of colour in sapphires and treatment detections. Some problems during in the past two decades are used as case examples to remind the audiences of how the research has helped protect and sustain the gem & jewellery industry.

