

## Appendix I

### INTERNATIONAL YEAR OF CHEMISTRY (IYC) 2011 IN MALAYSIA

Institut Kimia Malaysia (IKM), as a National Adhering Organisation (NAO) of IUPAC, and the Malaysian National Commission for UNESCO (SKUM) will be spearheading the International Year of Chemistry (IYC) 2011 programmes in Malaysia.

A National Committee on IYC 2011 for Malaysia has been established by Institut Kimia Malaysia (IKM) and Malaysian National Commission for UNESCO (SKUM) to coordinate all IYC 2011 activities in Malaysia. Other institutions represented in this National Committee are the Academy of Sciences Malaysia (ASM), Chemistry Department Malaysia (KIMIA Malaysia), National Science Centre (PSN) and PETROSAIN Sdn Bhd.

Among the proposed activities for IYC 2011 in Malaysia are the following:

#### 1. **K<sub>3</sub>M 2010 Top Scorer to attend IYC 2011 Opening in Paris, France in January 2011**

The Kuiz Kimia Kebangsaan Malaysia (Malaysia National Chemistry Quiz), or K<sub>3</sub>M, is an annual programme organised by Institut Kimia Malaysia (IKM) for secondary school students throughout Malaysia. In 2010, a total of 31,248 students took part in K<sub>3</sub>M. The IYC 2011 National Committee has decided that the top scorer of K<sub>3</sub>M 2010 will be invited to attend the Opening Ceremony of IYC 2011 in Paris, France in January 2011.

#### 2. **IYC 2011 Essay Writing Competition (EWC)**

Institut Kimia Malaysia (IKM) and the Ministry of Education (MOE) will jointly organise the IYC 2011 **Essay Writing Competition (EWC)** for Forms 4 – 5 (Year 10 - 11) students in Malaysia. The Competition will begin in March 2011 and end in August 2011. The theme of the Competition is “Chemistry – Our Life, Our Future”, the theme of IYC 2011. Certificates and cash awards will be presented to the winners and the top winner will be selected to attend the Closing Ceremony of **IYC 2011** in Brussels, Belgium in December 2011.

#### 3. **Karnival Kimia Malaysia (K<sub>2</sub>M) 2011**

**Karnival Kimia Malaysia (K<sub>2</sub>M)**, or formerly known as Malaysian Chemistry Festival, is an annual function of Institut Kimia Malaysia (IKM) with the objectives of promoting public awareness and appreciation of Chemistry, especially among the school students. In celebrating the International Year of Chemistry (IYC) 2011, **K<sub>2</sub>M 2011** will be organised in a bigger scale with the theme “Chemistry – Our Life, Our Future” and the following sub-themes:

- ❖ Chemistry of Life
- ❖ Chemistry of Food and Nutrition
- ❖ Chemistry of Water
- ❖ Chemistry and Energy
- ❖ Chemistry and the Materials World
- ❖ Chemistry of Oils and Fats
- ❖ Chemistry and Climate Change
- ❖ Chemistry and Quality of Life

**K<sub>2</sub>M 2011** will comprise the following:

- Talks & Lectures on the theme and sub-themes

- Poster Exhibition
- Demonstration and interactive experiments
- Slide and video shows
- Quiz and competition

The **National Launch of IYC 2011** in Malaysia will be held on April 15, 2011 at the National Science Centre in Kuala Lumpur with **K<sub>2</sub>M 2011** as the Inaugural Event. The Honourable Minister of Science, Technology and Innovation, YB Datuk Seri Dr Maximus Johnity Ongkili will officiate at the Launching Ceremony.

**K<sub>2</sub>M 2011** will be held in the National Science Centre, Kuala Lumpur from April 15-17, 2011 and then moves to six other places in subsequent months as shown below:

National Science Centre, Kuala Lumpur – April 15-17, 2011

Ipoh, Perak – May 7-8, 2011

Kota Marudu, Sabah – May 19-20, 2011

Johor Bahru, Johor – June 18-19, 2011

Kuala Terengganu, Terengganu – July 23-24 2011

Penang – September 22-23, 2011

Kuching, Sarawak – October 15 -16, 2011

#### 4. **19th IUPAC International Conference on Chemical Research Applied to World Needs (CHEMRAWN XIX) 2011**

Institut Kimia Malaysia (IKM) is hosting the **19th IUPAC International Conference on Chemical Research Applied to World Needs (CHEMRAWN XIX) 2011** in Kuala Lumpur, Malaysia from September 27 – 29, 2011 as a cornerstone event of IYC 2011. With the theme “Renewable and Sustainable Energy and Materials from Biological Resources”, **CHEMRAWN XIX** is expected to attract a large following of scientists, industrialists and entrepreneurs to discuss the latest research and development in new and innovative energy sources from biomass, biofuels, biogas, and other plant or animal materials, or also microorganisms. .

#### 5. **13th International Symposium on Advances in Extraction Technology (ExTech) 2011**

The **13th International Symposium on Advances in Extraction Technologies (ExTech) 2011** will be held at the Putra World Trade Centre, Kuala Lumpur, Malaysia from September 27 – 29, 2011 as a major scientific meeting celebrating IYC 2011. More than 200 scientists from all over the world is expected to attend this annual meeting which has been held all over the world in the last twelve years.

#### 6. **International Symposium on Women In Science and Engineering (WISE) 2011**

To be jointly organised by the Ministry of Science, Technology and Innovation (MOSTI) and Institut Kimia Malaysia (IKM), the **International Symposium on Women in Science and Engineering (WISE)** will highlight the role of women in developing science and engineering as a key enabler for socio-economic development in the world. The Symposium also aims at promoting increasing participation of women in science and engineering, especially in the developing world.