

# Activities Report

21, 12, 2006 up to 28, 04, 2007

I arrived to Lyon in 21 December, 2006 and I will go back to Afghanistan at 09,05,2007, my activities during about last 4,5 months are:

➤ **analysis of Malathion, Parathion and Fenitrothion by GC-FID, in lyon sud hospital**

- ◆ Searching a perfect temperature program for separation of Malathion, Parathion and Fenitrothion peaks for one another.
- ◆ Injection of Malathion, Parathion and Fenitrothion's different concentration in different time, to determine precision and curve variations.
- ◆ Statistic and determination of method's validation (Bias and Precision)
- ◆ Extraction recovery of Malathion, Parathion and Fenitrothion

➤ **Visit of medicolegal laboratory of Frère Lumière:**

- ◆ Learning the method of sampling, sample labeling and storage from death body
- ◆ Hair sampling and it's importance in drugs abuse
- ◆ Hyoid bone and it's medicolegal importance
- ◆ Liquid-liquid extraction of opiates, stupefians and depressant drugs from blood and urine.

➤ **Visit the different sections of scientific police laboratory like:**

- ◆ Toxicology section, ballistic section, section of DNA analysis, section of stupefians analysis.

**My other activities are:**

- Study the basic of HPLC practical work, like determination of mobile phase flow rate and determination of peak with its retention time.
- Participation in analytical chemistry lectures in the pharmacy faculty of Lyon-1.
- Writing of a book under the title of **The Toxicology of Malathion and Parathion** in 110 pages, under the guidance of Professor Jerome GUITTON.
- Study of French language in ALLIANCE FRANCAIS.

At last I am really grateful of respectable Professor Jerome GUITTON, for his kindness and full academic co operations, I am grateful of respectable Madam Dominique MARCEL for her good organization of my residency in Lyon. I am grateful of Joel and Pascal the technicians of biochemistry laboratory of Lyon sud hospital and I am grateful of Sandrine PARROT for their full co operations during my stage.

With best regards

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