

Chapter 1

ADAPTATION OF GENERAL CHEMISTRY LABORATORY EXPERIMENTS PERFORMED IN EDUCATION FACULTIES TO THE GREEN CHEMISTRY PRINCIPLES

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INTRODUCTION

The origins of the science of “chemistry” can be traced to the Bronze Age dating back to the years 3000 B.C. In the following ages, relations of chemistry with human and social relations have become increasingly widespread and chemists have been perceived as the greatest threat to the environment by society, sometimes due to destructive epidemics, sometimes by the pollution and destruction they caused (Solbes and Traver, 2003).

The contributions of chemistry to the development of science in the world and have not just seen in the invention of fire, especially the developments that took place in the last two centuries have been realized directly from the science of chemistry. The discovery of medicines such as antibiotics that can be used in the treatment of various diseases, increased production and protective chemical inventions which can be considered as the most important developments against the insufficiency of the food stocks which become a global problem as the world population increases, transportation, communication, dressing, chemistry has become a major step forward in almost all areas of life. Chemistry has drawn attention with the developments summarized above in the last century, as well as the destruction caused by the world we live in and the environment, and various measures have been taken on an international scale to reduce this situation. It is possible to say that legal regulations were initiated after the World War II, following some environmental disasters such as the London fog disaster in 1952 or as the Minamata outbreak in Japan in the late 1950s in order to reduce the damage caused by the person to the environment (Hoffman, 2001) . Examples of such legal arrangements are the Clean Air Act in the United States (United States) and the Clean Water Convention, the Law on Prevention of Pollution in Great Britain, the Environmental Program in Germany, and the Air and Water Pollution Control

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