Foreword

The author, Professor U Kyaw Myint Oo, has given thirty or more years of his life to carrying out resesrch in the field of Environmental Toxicology.This book, **Effects of Environmental Pollutants on Living Systems,** therefore, is based on the scientific findings drawn from his personal studies, his teaching experience as professor of zoology, and his engagement in many research projects in the field.

The use of pesticide in order to increase the yield in agriculture has been widespread for years, and this has brought about such undesirable side-effects as environmental pollution and destruction of wildlife. With a focus on this harmful phenomenon, the author has, since 1973, been carrying out research in the field of "Toxicity of Pesticides on Fish" and has now in this book devoted a chapter to "Pesticide Toxicity Research in Myanmar".

To any reader of this book, the three initial objectives of bringing out this publication should be apparent: the **first** is to inform the general public of how *Environmental Pollutants* can be harmful to human health and cause destruction and death to wildlife. The **second** is to help the general public come to know the precautionary and preventive measures that may be taken to avert the adverse effects of *Environmental Pollutants*, as well as what an individual may do to reduce pollution in his environment. The **third** is to encourage further research in *Environmental Toxicology*, using to advantage the research findings presented in this book.

The objectives being so, the information contained in this book should certainly help the reader become aware of how the injurious effects of environmental pollution may be averted, and at the same time educate him as to what he may do to reduce pollution in his own environment. And if this book should happen to inspire a reader to carry out further research in the field of *Environmental Toxicology*, the writer should feel that his efforts in writing this book has not been in vain.

THAN OO
President
Myanmar Academy of Arts and Science
Ministry of Education

May 2010

A Profile of Professor Kyaw Myint Oo

Professor Kyaw Myint Oo, son of U Hla Oo and Daw Kyin Sein, was born in Pyay, Bago Division. He matriculated from No (1) State High School, Pyay, in 1963. He obtained his BSc degree in Zoology in 1967 and his MSc degree in 1976 from the University of Yangon. In 1999, he was sent to the International Center for Environmental and Industrial Toxicology (ICEIT), Thailand, to study Environmental Toxicology, Pollution Control and Management under the United Nations Development Program.

He contributed his services to the state in the following capacities:

1968 - 1972	Demonstrator, Taunggyi College
1972 – 1978	Demonstrator, Institute of Medicine (1)
1978 – 1984	Head/Assistant Lecturer, Lashio College
1984 – 1986	Assistant Lecturer and Head, Taunggyi College
1986 – 1989	Head/Lecturer, Taunggyi Degree College
1989 – 1993	Lecturer, University of Yangon
1993 – 1995	Associate Professor/Head, University of Mawlamyine
1995 – 2001	Professor and Head, University of Mawlamyine
June, 2001 to November 2001	Principal, Bago Degree College
2001 – 2005	Rector, University of Taungoo
2005 – 2007	Rector, University of Dagon

He has supervised several research projects in the area of toxicity of pesticides on fish with respect to water pollution.

He has published 40 environmental conservation articles in annual magazines of various Universities, Newspaper and News Letter issued by National Commission for Environmental Affairs.

Since 1976, **he has published 25 research articles concerning with Environmental Toxicology in various research journals** such as: Burma Journal of Life Science, Myanmar Journal of Agricultural Science, Journal of Myanmar Zoological Society, Journal of Zoology (University of Mawlamyine), Taungoo University Research Journal, Dagon University Research Journal, Journal of the Myanmar Academy of Arts and Science, Journal of the Myanmar Academy of Technology and the ICLARM Quarterly, International Center for Living Aquatic Resource Management, Penang, Malaysia. **His fields of interest are toxicity of pesticides on fish, environmental toxicology and pollution control. He gave seminars on "Environmental Toxicology" at various universities and colleges in Myanmar. He is also giving refresher courses on "Environmental Toxicology" to Zoology subject teaching staff of various universities under Ministry of Education.**

Currently, he is a member of the executive committee, **Myanmar Academy of Arts and Science, Ministry of Education**; member, **Steering Committee for Ph.D Programme**, **Zoology Department, University of Yangon**; member**, Yangon University Revitalization Committee**; member, **Pesticide Technical Committee, Pesticide Registration Board**, **Ministry of Agriculture and Irrigation**, Government of the Republic of the Union of Myanmar. He is also a member of the Network of Tropical Aquaculture and Fisheries Professionals (NTAFP), **International Center for Living Aquatic Resources Management (ICLARM)**, Penang, Malaysia.

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