

## AHMAD ISMAIL

Ph.D. (University of Essex)

PROFESSOR DR.  
Department of Biology  
Faculty of Science  
Tel-Office: 03 89466617  
Fax: 03 86567454  
aismail@upm.edu.my



### EXPERTISE

Wildlife Ecology, Ecotoxicology

Professor Dr. Ahmad Ismail is wildlife and ecotoxicology expert in UPM. He was the Deputy Director of Centre for Matriculation Universiti Putra Malaysia in 1997-2000, the Principal of Thirteenth College 2001-2004 and the Deputy Dean of Faculty of Agricultural Science and Food, UPM Bintulu Campus, Sarawak (2005). Prof. Dr. Ahmad Ismail has contributed immensely to teaching; research and extension work at national and international levels. His lectures and researches are on zoology, wildlife ecology, and ecotoxicology. His extension activities are mainly in environmental education and science motivation programmes for school children. He has supervised over 100 undergraduates and postgraduate students in the fields of wildlife ecology, and ecotoxicology. His research is mainly related to ecotoxicology of hazardous chemicals in coastal marine environment including toxicological responses in coastal vertebrates and invertebrates. To date, he has produced over 300 scientific papers which were published and presented in local and international conferences.

### CURRENT RESEARCH INTEREST :

Research focuses primarily on the evaluation of pollutant-induced effects on intertidal organisms. This involves the detection and understanding of the fundamental mechanisms by which pollutants (copper, zinc, lead, cadmium, mer-cury, vanadium, arsenic, and tin – including tributyl tin) induce biological effects. In general, this involves ecotoxicology research works on the areas of eco-physiology, biomarkers, bioindicator, biomonitoring, mechanistic studies, immunotoxicity and endocrine disruption at different levels of biological organisation including invertebrates and wildlife.

Apart from ecotoxicology of hazardous chemicals in intertidal organisms which support the habitat of migratory shore birds, ecology of wild birds such as milky stork, herons and their potential predators are also being studied. These species can be an important key species for the stability and sustainability of habitats. Risk assessments of specific habitats due to hazardous chemicals pollution are also studied.

### LINK TO POSTGRADUATE FIELD OF STUDY:

### ADDITIONAL INFORMATION: