Table of Contents

Chapter 1 Algae
Normawaty Mohammad-Noor ......................................................... 2

Chapter 2 Microalgae
Normawaty Mohammad-Noor ......................................................... 7

Chapter 3 Seaweed
Normawaty Mohammad-Noor ......................................................... 12

Chapter 4 Importance of Algae
Anidha Visvanathan & Normawaty Mohammad-Noor .......................... 17

Chapter 5 Toxic Microalgae
Anidha Visvanathan & Normawaty Mohammad-Noor .......................... 23

Chapter 6 Benthic Dinoflagellates
Anidha Visvanathan & Normawaty Mohammad-Noor .......................... 28

Chapter 7 Diatoms
Anies Aznida Sa’ari & Normawaty Mohammad-Noor .......................... 34

Chapter 8 Techniques to Collect Benthic Dinoflagellates
Anidha Visvanathan & Normawaty Mohammad-Noor .......................... 42

Chapter 9 Techniques to Collect Sand-Dwelling Dinoflagellates
Asilah Al-Has & Normawaty Mohammad-Noor .................................. 47

Chapter 10 Technique to Collect and Determination of Algal Cell Density
Normawaty Mohammad Noor, Anies Aznida Sa’ari & Asilah Al-Has ........... 53
Chapter 11 Technique to Establish Microalgae into Pure Culture
Normawaty Mohammad-Noor & Mohamad Fuad Mohamad Anuar

Chapter 12 Media for Microalgae Culture
Normawaty Mohammad-Noor & Mohamad Fuad Mohamad Anuar

Chapter 13 Scanning Electron Microscopy
Normawaty Mohammad-Noor & Asilah Al-Has

Chapter 14 Making Seaweed Herbarium
Normawaty Mohammad-Noor

Part 2 Beach Profile and Sediment Characteristics

Chapter 15 Beach Profile
Shahbudin Saad

Chapter 16 Littoral Environmental Observation
Shahbudin Saad

Chapter 17 Grain-Size Analysis
Shahbudin Saad

Part 3 Coral Reef

Chapter 18 Suspended Sediment in Coral Reef Area
Shahbudin Saad

Chapter 19 Line Intercept Transect
Shahbudin Saad
Chapter 20 Coral Recruitment
Shahbudin Saad

Chapter 21 Coral Reef Fish Assemblages
Shahbudin Saad

Chapter 22 Determination of Coral Cover (Coral Lifeforms) in Marine Environment
Mohamed Kamil Abdul Rashid

Part 4 Marine Pollution

Chapter 23 Determination of Aliphatic and Aromatic Hydrocarbons in Marine Environment
Mohamed Kamil Abdul Rashid

Chapter 24 Determination of Dissolved Inorganic Nitrogen (DIN) in Marine Environment.
Mohamed Kamil Abdul Rashid

Chapter 25 Water Sampling Techniques
Anies Aznida Sa’ari, Kamaruzzaman Yunus & Akbar John

Chapter 26 Determination of Fecal Coliform and Escherichia coli (E. coli) in Marine Environment
Mohamed Kamil Abdul Rashid

Chapter 27 Determination of Organochlorine Insecticides in Oyster and Marine Sediment
Mohamed Kamil Abdul Rashid

Chapter 28 Detection of Heavy Metals in Sediment and Biological Samples
Anies Aznida Sa’ari, Akbar John & Kamaruzzaman Yunus

Chapter 29 Laboratory Protocols - Sediment Sample Analysis
Anies Aznida Sa’ari, Kamaruzzaman Yunus & Akbar John

127
132
137
144
151
158
163
170
179
186
Chapter 30 *Anadara granosa* – A Potential Bioindicator in Coastal Waters of Langkawi Island, Malaysia
*Kamariuzzaman Yunus, Mohd Zahir Md Suhaimi, Fikriah Faudzi, Mohd Fuad Miskon & Akbar John* ........................................................................................................195

Chapter 31 Bioaccumulation of Selected Metals in Commercially Important Marine Fishes from Selangor Coastal Waters, Malaysia
*Kamariuzzaman Yunus, Rina Shirlinda Zabri, Fikriah Faudzi, Mohd Fuad Miskon & Akbar John* ........................................................................................................206

**Part 5 Fish**

Chapter 32 Larval Feeding Behavior and Sensory Organs
*Yukinori Mukai* ........................................................................................................215

Chapter 33 Procedure of Histological Experiment
*Yukinori Mukai* ........................................................................................................221
Chapter 28 Detection of heavy metals in sediment and Biological samples

Anies Aznida Sa’ari, Akbar John & Kamaruzzaman Yunus

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Introduction

A heavy metal is a member of a loosely-defined subset of elements that exhibit metallic properties. Living organisms require varying amounts of "heavy metals". Iron, cobalt, copper, manganese, molybdenum, and zinc are required by humans. Excessive levels can be damaging to the organism. Other heavy metals such as mercury, plutonium, and lead are toxic metals that have no known vital or beneficial effect on organisms and their accumulation over time in the bodies of animals can cause serious illness. Certain elements that are normally toxic are, for certain organisms or under certain conditions, beneficial. Examples include vanadium, tungsten, and even cadmium. It has been well documented that the bottom sediments are the sinking grounds of all the heavy metals originates from natural and anthropogenic sources. Hence the knowledge on the heavy metal level in the sediment will give clear insight on their interaction with the benthic biota and the quality of the environment itself.

Sample collection

Sample should be collected by using standard procedures such as by using grab (eg, van Veen Grab), cores. Scoops and Dredges depending upon the nature of samples. The samples should be labeled properly and transported in iced condition to the laboratory for further analysis.

Preparation of Solutions