

## Acta Scientifica Malaysia (ASM)

### HEAD OFFICE ADDRESS:

#### Zibeline International Publishing Sdn Bhd

C2-2-3, Block 2, CBD Perdana 3,  
Persiaran Cyberpoint Timur,  
Cyber 12, 63000 Cyberjaya,  
Selangor.

**Tel:** +603-86879842

### EDITORIAL STAFF:

#### Publishing Manager

Tasbia Ab Rajul

#### Publishing Co-Coordinator

Nurul Atikah Arsat

#### Publishing Editor

Farah Awanis Md Radzi

#### Publishing Editor

Nurul Afiqah Ab Manan

#### Technical Editor

Nuruljannah Kamarudin

#### Technical Editor

Fakhruddin Che Fauzi

### Frequency:

Bi-annual (2 issue per year)

ISSN: 2521-5051 (Print)

ISSN: 2521-506X (Online)

### Price:

Single issue: 50 MYR

Price for abroad

Single issue: 25 USD

### Web:

[www.actascientificamalaysia.com](http://www.actascientificamalaysia.com)

### E-mail:

[info@zibelinepub.com](mailto:info@zibelinepub.com)

Contents

VOLUME 4, ISSUE 2, 2020		
No	Editorial	Pages
1	CROP-LIVESTOCK INTERACTION IN RURAL HOUSEHOLD OF BANGLADESH	27-32
2	MANAGING PLANT POPULATION AND COMPETITION IN FIELD CROPS	33-36
3	EFFECT OF PLANTING METHODS ON YIELD AND YIELD COMPONENTS OF SPRING RICE IN BARDIYA, NEPAL	37-39
4	ADOPTATION STATUS OF TECHNOLOGY IN MANDARIN ORANGE PRODUCTION IN JAJARKOT DISTRICT, NEPAL	40-42
5	EUTHANASIA OF ACUTE NEUROLOGIC CANINE DISTEMPER VIRUS AFFECTED PET DOG ADJACENT TO PROTECTED FOREST AREA	43-44
6	PESTICIDAL POTENTIAL OF ETHNOBOTANICALLY IMPORTANT PLANTS IN NEPAL – A REVIEW	45-50

## Editorial

The universe is an amazing place. It is vaster than it is possible to measure, stranger and more magical than any science fiction or fantasy, more beautiful than any art, and far more complex than can ever be imagined. Studying the universe – studying science – whether that is on the grandest scales of cosmology, the smallest scales of quantum physics and subatomic chemistry, or the beautiful complexity of life, is to set yourself on the path to an adventure that will stay with you forever. The most beautiful thing we can experience is the mysterious. It is the source of all true art and science. Science is beautiful when it makes simple explanations of phenomena or connections between different observations. Examples include the double helix in biology and the fundamental equations of physics. New discoveries in science will continue to create a thousand new frontiers for those who still would adventure.

## Scientific Board

### Editorial Team

#### Editor in Chief

Dr Gan Sin Yee  
Bioresource & Biorefinery Research Group  
Materials Science Program  
School Of Applied Physics  
Faculty Science And Technology  
Universiti Kebangsaan Malaysia  
43600 Ukm Bangi, Selangor D. E., Malaysia

#### Managing Editor

Assoc. Professor Dr Norshuhaila Mohamed Sunar  
Faculty Of Engineering Technology University Tun  
Hussein Onn Malaysia (Uthm) Batu Pahat, Johor  
Malaysia  
Shuhaila@Uthm.Edu.My

Dr Chen Ruey Shan  
Materials Science Program, School Of Applied Physics,  
Faculty Science And Technology  
Universiti Kebangsaan Malaysia 43600 Ukm Bangi,  
Selangor D. E., Malaysia  
Rueyshanchen@Hotmail.Com

#### Associate Editors

Assoc. Professor. Dr. Saifullah Arifin Jaaman  
Institute Of Oceanography And Environment Universiti  
Malaysia Terengganu 21030 Kuala Nerus Terengganu,  
Malaysia

Dr. Tengku Rozaina Binti Tengku Mohamad  
School Of Food Science And Technology (Ppstm)  
Universiti Malaysia Terengganu (Umt)21300 Kuala  
Terengganu, Terengganu, Malaysia

Dr. Sharifah Nabihah Syed Jaafar  
Materials Science Program, School Of Applied Physics,  
Faculty Science & Technology, Universiti  
Kebangsaan Malaysia  
Nabihah@Ukm.Edu.My

Dr Azizul Azhar Ramli  
Faculty Of Computer Science & Information  
Technology  
University Tun Hussein Onn Malaysia  
Malaysia

Associate Professor Dr. Shahreen Kasim  
Head Of Centre,  
Soft Computing And Data Mining (Smc)  
Faculty Of Computer Science & Information  
Technology  
University Tun Hussein Onn Malaysia  
Malaysia

Associate Professor Dr Nazri Mohd Nawi  
Faculty Of Computer Science & Information  
Technology  
University Tun Hussein Onn Malaysia  
Malaysia

#### Editorial Board

Assoc. Professor. Dr Abdul Mutalib Bin Leman  
Faculty Of Engineering Technology Universiti Tun  
Hussein Onn Malaysia Parit Raja, Batu Pahat,  
Mutalib@Uthm.Edu.My

Dr. Wan Syaidatul Aqma Wan Mohd Noor  
School Of Biosciences And Biotechnology, Faculty Of  
Science And Technology, Universiti Kebangsaan  
Malaysia, Bangi, Selangor, Malaysia,  
Syaidatul@Ukm.Edu.My

Dr. Bong Chui Wei  
Institute Of Biological Sciences Faculty Of Science  
University Of Malaya Kuala Lumpur, Malaysia.  
Cwbong@Um.Edu.My

## Acta Scientifica Malaysia (ASM)

Dr. Voon Chun Hong  
Institute Of Nano Electronic Engineering, Universiti  
Malaysia,  
Chvoon@Unimap.Edu.My  
H/P: 017-9427832

Dr. Rasidi Roslan  
Faculty Of Industrial Sciences & Technology,  
Universiti Malaysia Pahang  
Rrd2006@Yahoo.Com Rasidi@Ump.Edu.My

Dr Farah Hannan Anuar  
School Of Chemical Sciences And Food Technology  
Faculty Science & Technology, Universiti  
Kebangsaan Malaysia  
Farahhannan@Ukm.Edu.My

Dr. Mohammad Mustafizur Rahman  
Kulliyah Of Science International Islamic University  
Malaysia, Jalan Sultan Ahmad Shah, Kuantan,  
Pahang.  
Dipti0103@Yahoo.Com, Mustafiz@Iium.Edu.My

Dr Liew Yun Ming  
Center Of Excellence Geopolymer & Green  
Technology (Cegeogtech), School Of Materials  
Engineering, Universiti Malaysia Perlis (Unimap)  
Ymliew@Unimap.Edu.My

Dr. Rose Farahiyan Munawar  
Department Of Engineering Materials, Faculty Of  
Manufacturing Engineering, Universiti Teknikal  
Malaysia Melaka,  
Rosefarahiyan@Utem.Edu.My

Dr. Lim Bee Ying  
School Of Materials Engineering, Universiti  
Malaysia Perlis (Unimap), Kompleks Pusat  
Pengajian Jejawi 2, Taman Muhibbah, 02600 Jejawi,  
Arau, Perlis

Dr Li Ngee Ho  
School Of Materials Engineering, Universiti  
Malaysia Perlis (Unimap), 02600 Arau, Perlis

Dr Heah Cheng Yong  
Cegeogtech, School Of Materials Engineering,  
Universiti Malaysia Perlis (Unimap), P.O.Box 77,  
D/A Pejabat Pos Besar, 01000 Kangar, Perlis  
Cyheah@Unimap.Edu.My

Dr Teh Pei Leng  
Pusat Pengajian Kejuruteraan Bahan – Bahagian  
Akademik,  
Plteh@Unimap.Edu.My

Dr. A K M Mominul Islam  
Department Of Agronomy Bangladesh Agricultural  
University,  
Mymensingh-2202, Bangladesh