



## Malaysian Animal Husbandry Journal (MAHJ)

### 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 Editor

Farah Awanis Md Radzi

#### Publishing Editor

Nurul Afiqah Ab Manan

#### Technical Editor

Nuruljannah Kamarudin

#### Technical Editor

Fakhrudin Che Fauzi

### Frequency:

Bi-annual (2 issue per year)

ISSN: 2805-5500 (Online)

### Price:

Single issue: 50 MYR

Price for abroad

Single issue: 25 USD

### Web:

[www.mahj.org.my](http://www.mahj.org.my)

### E-mail:

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

## Contents

VOLUME 1, ISSUE 1, 2021		
No	Editorial	Pages
1	VALUE CHAIN ANALYSIS OF FISH IN KARAIYAMAI RURAL MUNICIPALITY, BARA DISTRICT OF NEPAL	01-13
2	STATUS OF FISH HATCHERY AND NURSERY MANAGEMENT IN, DHANUSHA, NEPAL	14-25
3	FARMER'S KNOWLEDGE ON ANTI-MICROBIAL RESISTANCE, THEIR PRACTISE OF ANTIMICROBIALS USAGE AND BIOSECURITY STATUS OF POULTRY FARMS IN KATHMANDU VALLEY AND CHITWAN DISTRICT, NEPAL	26-32
4	PHENOTYPIC CHARACTERIZATION OF GOAT ECOTYPES IN NORTHWESTERN TUNISIA	33-39
5	COMPARATIVE EVALUATION OF NEPALESE INDIGENOUS BREEDS OF CHICKEN IN RELATION TO EGG PRODUCTION PERFORMANCE	40-42

## Editorial

Animal husbandry is the controlled cultivation, management, and production of domestic animals, including improvement of the qualities considered desirable by humans by means of breeding. Animals are bred and raised for utility (e.g., food, fur), sport, pleasure, and research. Animal husbandry is the branch of agriculture concerned with animals that are raised for meat, fibre, milk, eggs, or other products. It includes day-to-day care, selective breeding and the raising of livestock. Husbandry has a long history, starting with the Neolithic revolution when animals were first domesticated, from around 13,000 BC onwards, antedating farming of the first crops. By the time of early civilisations such as ancient Egypt, cattle, sheep, goats and pigs were being raised on farms.

## Scientific Board

### Editorial Team

#### Editor in Chief

Dr Fridelina Sjahrir  
Faculty of Engineering and Life Sciences  
Bestari Jaya, Selangor Darul Ehsan, Malaysia

Assoc. Professor. Dr. Saidatulakmal Mohd  
Deputy Dean (Research, Postgraduates &  
Networking)  
School of Social Sciences Universiti Sains Malaysia  
11800 Penang, MALAYSIA

#### Managing Editor

Dr Yazmin Bustami  
School Of Biological Sciences,  
Universiti Sains Malaysia, Penang, Malaysia

Jiban Shrestha  
Scientist Nepal Agricultural Research Council  
National Maize Research Program  
Rampur, Chitwan, Nepal

Dr. Nadirah Musa  
School Of Fisheries And Aquaculture Sciences  
Universiti Malaysia Terengganu  
Kuala Terengganu, Terengganu, Malaysia

#### Associate Editor

Dr. Gab Olulakin Adesina  
Department of Crop and Environmental  
Production  
Ladoke Akintola University of Technology  
Oyo, -State, Nigeria

#### Editorial Board

Professor. Dr. Baharuddin Salleh  
Universiti Sains Malaysia  
Pulau Pinang

Professor. Dr. Ghizan Saleh  
University College Of Agrosience  
Malaysia(Ucam), Malaysia

Professor. Dr. Idris Abd Ghani  
Universiti Kebangsaan Malaysia,  
Malaysia

Professor. C Sivayoganathan  
University Of Peradeniya, Sri Lanka

Professor. S L Ranamukaarachchi  
Asian Institute Of Technology, Thailand

Professor. M J S Wijeratne  
University Of Kelaniya, Sri Lanka

Professor. S A B A Jayasekara  
Wayamba University Of Sri Lanka, Sri Lanka

Professor. Colin N. Peiris  
University Of Peradeniya, Sri Lanka

Professor. K K D S Ranaweera  
University Of Sri Jayawardenapura, Sri Lanka

Professor. U K Jayasinghe-Mudalige  
Wayamba University Of Sri Lanka, Sri Lanka

Professor. A A Y Amarasinghe  
Sabaragamuwa University Of Sri Lanka, Sri Lanka

Professor. Lal Vidana Arachchi  
Sabaragamuwa University of Sri Lanka, Sri Lanka

Professor. D M A Gunarathne  
Sabaragamuwa University of Sri Lanka, Sri Lanka

# Malaysian Animal Husbandry Journal (MAHJ)

Professor. Mirza Barjees Baig  
King Saud University, Saudi Arabia

Professor. Gary S. Straquadine  
The Ohio State University, Usa

Professor. Faisal Sultan Al-Subaiee  
King Saud University, Saudi Arabia

Professor. Serafin L Ngohayon  
Ifugao State University, Philippines

Professor. Deirdre Lemerle  
Charles Sturt University, Australia

Professor. Shabbir A Shahid  
International Center For Biosaline  
Agriculture, United Arabs Emirates

Professor. Dr. Khan Bahadar Marwat  
The University Of Agriculture, Pakistan

Professor. Sandra Arifin Aziz  
Bogor Agricultural University, Indonesia

Professor. Naoki Yamauchi Yamaguchi  
University, Japan

Professor. Masayoshi Shigyo Yamaguchi  
University, Japan

Dr. Robert Blakemore  
Hanyang University, South Korea

Professor Madya Dr Connie F. Komilus  
University Sultan Zainal Abidin, Malaysia  
Terengganu, Malaysia

Dr. Ha How Chew  
University Sultan Zainal Abidin, Malaysia  
Terengganu, Malaysia

Dr. Ajar Nath Yadav  
Eternal University, Baru Sahib, Himachal  
Pradesh, India

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

Professor. Mahinda Wijeratne  
University Of Ruhuna, Sri Lanka