

## Curriculum Vitae

### Personal Data

Name : Prof. Emeritus Dr. Mohd. Azmi Ambak,  
PJC,SMZ

IC No : 511007-11-5033 / 4106226

Date and Place of Birth : 7/10/1951, Kuala Terengganu

Sex : Male

Nationality : Malaysian

Present Position : Professor Emeritus, Faculty of Fisheries and  
Aqua-Industry, UMT

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Title of Position Held : Professor (VK 6)

### Educational Qualifications/Experience

#### Academic Qualification

Degree	Year	University
B. Agric Sc (Animal Sc.)	1974	Univ. of Malaya
M. Sc (Environment)	1977	Univ. of Salford, U.K.
Ph D (Fisheries)	1984	UPM

## **Field of Expertise: Fisheries, Fishery Ecology**

### **Research Specialization**

Taxonomy and Fish Systematics  
Ecology of Freshwater Fishes  
Conservation of Endangered Species  
Fish Population Dynamics  
Fish Culture Systems  
Aquaculture-Freshwater Fish Culture

### **Major Research Grants** obtained

Fishery Resource Management in Malaysian waters – RM 1.6 million (1986-1990)

Ecology of Fishes in Kenyir Lake – RM 0.3 million (1990-1994)

Conservation of Endangered Species- RM 0.3 million (1995-1999)

Closed Recirculating System for Freshwater Fish Culture- RM 0.3 million (1999-2003)

Induction of Growth and Maturity in *Tor tambroides* – RM 0.25 million ( 2003-2006)

Intensive culture of marble goby, *Oxyleotris marmorata* – FRGS (2006-2008)

### **On-Going Research**

A Pre Commercial Production of Fry and Adult of Marble Goby (*Oxyleotris marmoratus*) . – Dana R&D Pertanian Kluster TechnoFund, Kementerian Pertanian dan Industri Asas Tani Malaysia ( MOA) ( **2000-2013**) – RM 2 million.

The Taxonomic and Phylogenetic Relationships of Ariid Species (Siluriformes:Ariidae) in Malaysian Waters. – Geran Fundamental Research Grant Scheme (FRGS), Kementerian Pengajian Tinggi (Ogos **2011-July 2013**) – RM 117,000.00

Genetic Variation and DNA Barcoding of Endangered species in Pahang River: FRGS 13-036-0277 1 May 2013-30<sup>th</sup> April 2014.

## **Administrative Experience:**

Head of Department Fisheries and Aquaculture, UPM 1980-1983  
Dean of Faculty of Fisheries and Marine Science, UPM 1984-1988  
Director, UPM Terengganu 1990 -1996  
**Founding** Dean Faculty of Applied Sciences and Technology UPMT/KUT  
1996-2000  
**Founding** Dean Faculty of Science and Technology KUSTEM 2001-2003  
**Founding** Director of Institute of Tropical Aquaculture, KUSTEM 2004 –  
2006  
Dean Graduate School KUSTEM 2006- 2007  
Dean Graduate School UMT 2007- 2008

Chairman of various committees, mostly at Faculty and University level  
Currently chairman of Scientific Committee for International Fisheries  
Symposium.

## **Teaching Experience**

**As** Lecturer ITM 1974-1977  
**As** Lecturer UPM 1977-1985  
As Assoc Prof UPM 1986-1996  
As Professor UPM 1997-2001  
As Professor KUSTEM 2001- 2007  
As Professor UMT 2007 - present

Subjects taught: Fish Population Dynamics; Fishery Science; Fish Biology;  
Ichthyology, Conservation Biology.

Current Subjects taught (2012/2013):

SBP 2101 – Sains Perikanan – 4 credits  
FIS 3001 – Fishery Science 2 – 4 credits  
FIS 2001 - Fishery Science 1- 4 credits

## **Overseas assignment**

University of Rhode Island, USA – Sea Grant Program  
University of North Wales, Bangor, UK – CICHE  
Institute of Aquaculture, Univ. of Stirling, UK – CICHE  
Ocean Research Institute, Univ. of Tokyo, Japan - JSPS

## Consultancy Experience

Has been consultant to many small scale aquaculture industries, on various problems of fish culture and nutrition. Consultancy to various agencies such as LKIM and KETENGAH on fisheries. Served as convener of consultancy group in Faculty of Fisheries, UPM. Chairman of various seminar committees, curriculum, research and postgraduate committees. Reviewer of various journals on fisheries. Expert panel for IRPA and IGS projects under MOSTE. Expert to Dewan Bahasa and Pustaka, and Fisheries Research Institute, on Fisheries and Fish nomenclature.

Latest consultancy service – DID (JPS) project under ‘Bahagian Hydrologi & Sumber Air’ entitled ‘ Study of Impact of Land Development activities on Water Resources of Sg Kelantan and the Development of a Conservation Plan’.

**Research Supervision:** Has guided and supervised more than 160 students at undergraduate, Masters and Ph D level.

Example:

Mohd Zaki Mohd Said – Awarded Ph D in 1988 . Study on Population Biology of *Nemipterus* spp.

Md Salim Khan – awarded Ph D in 1990. Feeding ecology of *Mystus nemurus* in Chenderoh Lake.

Sakri bin Ibrahim – awarded Ph D in 1991. Design and Attractive Power Estimation of Malaysian FAD’s.

AJM Abdur Rouf (Ph D, 1997) Ecology and Temporal Changes in Composition and Spatial Distribution of Periphyton community in a Tropical Reservoir

Thumronk ( Ph D, 1997) Use of Moina and Formulated food for larval rearing of green catfish, *Mystus nemurus*

Tran Ngoc Hai ( M Sc , 1997) Studies on reproduction of mud crab, *Scylla serrata*

Harfiandri Damanhuri ( M Sc , 1998) Ikan Chaetodontid sebagai penunjuk kepelbagaian terumbu karang di perairan Bidong, Terengganu

Tran Dac Dinh ( M Sc , 1998) Population Dynamics of selected demersal species in South China Sea

Lieng Sopha ( M Sc , 1999) Distribution and Ecology of the Malaysian Mahseer ( Genus *Tor* ) in Kenyir Lake, Malaysia

Raja Bidin Hassan ( M Sc , 2000) Stock assessment of small neritic tuna in South China Sea

Pham Thanh Liem ( M Sc , 2000) Studies on Larval Rearing of Marble goby, *Oxyleotris marmoratus*

Md Assaduzzaman ( Ph D, 2006) Design and Efficiency of a closed recirculating system for fish rearing.

Lam Su Shiung ( M Sc, 2007) Waste Excretion Rates of Marble Goby – a criterion for Designing Recirculating Aquaculture System.

Tran Dac Dinh ( Ph D, 2008) Biology and Population Dynamics of Goby in Mekong Delta

Endryeni Mulyadi ( M.Sc, 2008) Study on reproductive patterns and maturation of red mahseer, *Tor tambroides* ( co-supervisor).

Noorul Ain Falah Ayob ( M.Sc, 2008) SEM study on life cycle of Harpacticoid copepod ( co-supervisor).

Mohd Luthfi Omar ( M.Sc, 2008) Growth rate and feeding of green lipped mussel, *Perna viridis* ( co-supervisor).

Syahnon Mohammad ( M.Sc, 2008) Study on feeding performance of *Oxyleotris marmoratus* ( co-supervisor).

Nguyen Phuc Thoung ( M.Sc, 2008) Study on feminization of clownfish *Amphiprion ocellaris* ( co-supervisor).

Busra Ibrahim ( M.Sc, 2008) Development of cyst from Harpacticoid copepods ( co-supervisor).

Muhammad Abduh bin Yazeed ( M.Sc, 2008) Study on masculinization of clownfish *Amphiprion ocellaris* using 17 methyl-testosterone( co-supervisor).

Sheikh Eldin Mohamed Elamin ( Ph D, 2009) Stock Assessment and Population Dynamics of *Plectropomus maculatus* and *Variola louti* in the Sudanese Red Sea Coast.

Hua Thai Nhan ( M. Sc, 2009). The spawning behaviour and chemical communication of the abalone, *Haliotis asinina*.

Siti Waznah Abdul Rahman (Ph D, 2010) Taxonomy and Phylogeny of marine catfishes of Malaysia.

Ibrahim Al-Amboori (M.Sc, 2010) Population dynamics of the Indian sardines, *Sardinella longiceps* in Oman waters.

Abdul Wahab bin Abdullah (M. Sc 2010) Ecology of an invasive species *Cherax* in Malaysia.

Siti Tafzilmeriam bt Sheikh Abdul Kadir (Ph D, 2012) Resource Partitioning by Fishes of Setiu Wetlands.

Issa Mohamed Abdullah Alfarsi (Ph D, 2012) Life history of Oman Anemone Fish, *Amphiprion omanensis*.  
– co supervisor.

**Postgraduate Examiner:** Besides becoming external examiner for many UMT postgraduate students, I have also acted as external examiner for Masters and Ph D candidates from Deakin University, Australia, USM, UKM, UMS, UPM and UM; internal examiner for more than 40 Postgraduate students.

**Example :**

- University Malaya, Ph D candidate Eriyusni Noerdin  
'Studies on Protein and Calcium Phosphate requirement in Tilapia species'
- University Malaya, Ph D candidate, Sujjat Al Azzad  
'Growth and Phototrophic Bacterium and its potential as aquaculture feed'
- Universiti Putra Malaysia, Ph D candidate, Davoud Talebi  
'Embryonic development and nutritional requirements of Kutum Fish'
- University Putra Malaysia, Ph D candidate, Nassir Niaimaimandi  
'The Bio-Dynamic and Life Cycle of Shrimp in Persian Gulf'
- Univesiti Kebangsaan Malaysia, Ph D candidate Faridah Bt Yakub ' Kajian Ekologi dan Biologi ikan Tembakul'

Deakin University, Australia, Ph D candidate Stephen Sungan 'Breeding of Tor species'

Universiti Putra Malaysia, Ph D candidate Abdullah Samat  
'Ecological and Biological Assessment of an Exotic Fish Species *Pterygoplichthys pardalis* in a Malaysian River'.

Universiti Malaysia Sabah, Ph D candidate Mohd Ikhwanuddin Abdullah ' Biology and seed production of Blue swimming crab'.

University of Malaya. M.Sc candidate, Asmad Kari – 'Effects of Glycerol, Equilibration time, Vapour Temperature and Exposure Time on Cryopreservation of Sperms in Red Tilapia, *Oreochromis niloticus*,

Universiti Putra Malaysia, Ph D candidate S.M.Nurul Amin -  
'Biology, Population Dynamics and Stock Assessment of Sergestid Shrimph,  
*Acetes* spp (Decapoda:Sergestidae)'.  
'

University of Malaya, M Sc. candidate, Mohd Faizzi bin Mohd Yusof – ' Effects of  
ovaprim stimulation on egg production, hatching rate and fry survival rate in red  
tilapia ( *Oreochromis niloticus*)'.

Universiti Putra Malaysia, M. Sc candidate, Fakhruddin bin Bokhari – 'Catch and  
Reproductive Biology of Blue Swimming Crab, *Portunus pelagicus*, in Sematan  
Coastal Water, Sarawak'.

Universiti Malaysia Terengganu, M.Sc candidate, Soo Chen Lin – 'Immobilization  
of *Nannochloropsis* sp in calcium alginate beads for removing nutrients in  
aquaculture water'.

University Kebangsaan Malaysia, Ph D candidate, Simon Kumar Das – 'Biology  
of two species of Archer Fishes inhabiting Johor coastal waters, Malaysia'.

Universiti Putra Malaysia, Ph D candidate, Hossein Ali AbdolHay – 'Population  
Genetics and Stock Enhancement of Mahisefid, *Rutilus frisii kutum*, along south  
of Caspian Sea'.

University Kebangsaan Malaysia, Ph D candidate, Seah Ying Giat – 'Kajian  
Taksonomi dan Filogenetik ikan kikek di perairan Malaysia'.

University Kebangsaan Malaysia, M. Sc. Candidate Mohd Akmal Bin Sobari–  
'Analisis Perikanan Muara dan Heterogeniti Hutan Paya Bakau Sungai Santi'.

University Malaysia Sabah, Master of Science candidate, Lim Shung Zer –  
'Biodiversity and Ecology of Elasmobranchs in the waters off Northeastern  
Sabah'.

### **Major Research Programmes/Projects Completed**

Fishery Management in Malaysian Waters (IRPA)

Recreational Fishery of Kenyir Reservoir: Ecology and Stock  
Exploitation ( IRPA)

Conservation and Management of *Tor tambroides* (IRPA)  
Recirculating Systems for rearing of high quality fishes (IRPA)  
Induction of growth and maturity of *Tor tambroides* (IRPA)  
Captive Breeding of Clownfish ( Fundamental)  
Intensive rearing of marble goby ( FRGS)

Position held : Project Leader

Major output : 200 Publications including 9 Books

## **Research/Other Achievements**

### **Honors and Awards:**

**NAGA Award** - A World Class Research Honour for the Book of Marine Fishes and Fisheries of Malaysia awarded by World Fish Centre, 1999.

**Pingat Jasa Cemerlang (PJC)** bestowed by His Royal Highness DYMM Sultan of Terengganu in 1999

**Setia Sultan Mizan (SMZ)** bestowed by His Royal Highness DYMM Sultan of Terengganu in 2002

**Excellent Service Award (Anugerah Khidmat Cemerlang)** ( while at UPM, KUSTEM and UMT)

## **Invited Talks/Plenary Lectures**

Has delivered talks at Malaysian Institute of Marine Affairs, Institute of Fisheries Research, SEAFDEC, Ocean Research Institute, Japan, MSAP conference, UNAIR.



## **Selected Publications :**

### **Books:**

**Freshwater Fishes of Peninsular Malaysia. (1983)UPM Press, 284 pp. (A.K.M Mohsin and M.A.Ambak )**

**Marine Fishes and Fisheries of Malaysia and Neighbouring Countries. (1996)UPM Press, 744 pp. (A.K.M. Mohsin and M.A.Ambak)**

**Malay, English, and Scientific Names of Fishes of Malaysia. (1993). UPM, 227 pp. (A.K.M. Mohsin, Ambak, M.A. and Muhamad, N.A.S.)**

**The Clupeiformes Fishes of Peninsular Malaysia. (1991) Ministry of Agriculture, Malaysia. 43 pp. (Ambak,M.A.,A.K.M.Mohsin, Nasir, M.S., and Z. Zakaria )**

**The cartilaginous Fishes of Malaysia. (1991) Ministry of Agriculture Malaysia. 42 pp (Ambak, M.A., A.K.M.Mohsin and Muhamamad, N.A.S.)**

**The Treasures of Kenyir. (2005). Penerbit KUSTEM, 120pp. (Syed Zain,S.H. and M.A. Ambak (eds)**

**Ikan-Ikan Buntal di Malaysia.(2008) Fisheries Department Malaysia. 120 pp.**

**False Clownfish – Breeding, Behavioral, Rearing and management under captivity. (2010). LAP Lambert Academic Publishing. 88 pp.**

**Fishes of Malaysia(2010) – UMT Press 336 pp.**

**Fishes of Terengganu, East Coast of Malay Peninsula, Malaysia (2011). National Museum of Nature and Science, Universiti Malaysia Terengganu and Kagoshima University Museum, ix+251 pp.**

**M.A. Ambak, Mansor M.I., M.Z. Zakaria and M.A. Ghaffar (2012) Fishes of Malaysia – 2<sup>nd</sup> Edition UMT Press 301 pp.**

### **Chapter in Book**

**Chapter 12: Molecular approach of macroinvertebrates in tropical wetland, Lake Bera, Malaysia: Towards the assessment of Ecosystem Health. pp113-125. In: Biotechnologies towards**

**Sustainable Development in Malaysia By Zarina Zainuddin (2011)  
IIUM Press.**

**Selected Journals:**

Amornsakun,T., S.Chiayvareesajja, **Ambak,M.A** and A.Hassan (1997)  
Yolk absorption and first feeding of *Mystus nemurus*. Songklanakarin  
**J.Sci.Tech.** Vol.9(1):117-122

Ibrahim,S.,**M.A.Ambak** and G.Kawamura (1997) Night-time movement of  
fish in coastal waters off Terengganu. **Pertanika** J.Trop.Agric.Sc. 20(1)

**M. A. Ambak** & K.C.A. Jalal (1998) Habitat Utilization by the Tropical Fish  
Community in the man-made Lake Kenyir, Malaysia . **Journal of  
Fisheries Management and Ecology, UK. 1998, 5:173-176.**

Priyanto R., M.S.M.Said, **M.A. Ambak** and M.Z.Zakaria (1998) Growth  
parameters of *Upeneus* spp in Terengganu waters. **Octopus** Vol 2(1):11-  
27

Zakaria, M.Z., K. Samo, **M.A. Ambak** and M. Hermawan (1998) Studies  
on Acoustic Target Strength of live and dead *Puntius schwanenfeldii* at  
tanks and in situ. **Octopus Vol 2 (1):42-47**

Ibrahim, S., **M.A. Ambak** and S. Hajisamae ( 1998) Abundance and  
distribution of fish in artificial reefs of different designs in Malaysia.  
**Journal of Science and Technology Vol.20(2): 127-134**

Amornsakun,T., Hassan,A.B., **M.A. Ambak** and S. Chiayvareesajja (1998)  
Feeding periodicity under natural light condition of larval green catfish,  
*Mystus nemurus* ( Cuv. & Val.) **Songklanakarin J.Sci.Technol., 20(2):  
219-223**

Yusoff, F.M and **M.A. Ambak** (1999) Trends and fluctuations in the  
environmental characteristics of surface waters in Kenyir Reservoir,  
Malaysia. In: van Densen W.L.T. & M.J. Morris (ed) *Fish and Fisheries of  
Lakes and Reservoirs in Southeast Asia and Africa.* **Westbury  
Publishing, UK, 49-58.**

Jalal, K.C.A, **Ambak, M.A.**, Saad, C.R. Hasan and A, Abol, M.A.B. Effect  
of Different Stocking Density on the Growth and Survival of Tropical Sport  
Fish *Tor tambroides* (Bleeker). **Journal of Science Intl. Vol. 11(1):1999.**

Jalal, K.C.A., **Ambak, M.A.**, Ibrahim, S. and D. Harfiandry.(1999) Limnological Profile of Lotic and Lentic Area in Lake Kenyir, Malaysia. **Garing, Fisheries Journal Indonesia, Vol 8 (1): 29-33**

Jalal, K.C. A, **Ambak, M.A.**, Saad, C.R., Hasan, A. and Abol, M.A.B. (2000) Apparent digestion coefficients for common feed ingredients in formulated diets of tropical sport fish malaysian mahseer, *tor tambroides* (bleeker) fry. **Pakistan Journal of Biological Science. 3(2):20-28**

Musse, G.H., Ibrahim, H.M., **Ambak, M.A.**, Abdul Rashid, M.S., Namba, T. and Yanagawa, H. (2002) Distribution and abundance of small pelagic fishery resources in the Straits of Malacca and their relationships with oceanographic changes using GIS. **Science International Lahore 12:129-141**

Musse, G.H., Ibrahim, H.M., **Ambak, M.A.**, Abdul Rashid, M.S., and Yanagawa, H. (2002) Distribution of pelagic resources and its relationship with oceanographic features. In: F.M. Yusoff, M. Shariff, H.M.Ibrahim, S.G. Tan and S.Y. Tai (eds) *Tropical Marine Environment: Charting Strategies for the Millenium*. **UPM pp775-791**

Musse, G.H., Ibrahim, H.M., **Ambak, M.A.**, Abdul Rashid, M.S. and Yanagawa, H. (2003) Are the implications of spatio-temporal oceanographic phenomenon on small pelagic fishery in the straits of Malacca significant? In: Zaharah et al (eds) *Investing in Innovation 2003*, **UPM Press pp 51-58**

Abol-Munafi, A.B., Tam, B.M., **Ambak, M.A.** and Ismail, P (2004) Effect of different diets on growth and survival rates of snakehead larvae ( *Channa striata* Bloch, 1797). **Korean Journal of Biological Sciences, 8:313-317**

Jalal, K.C.A., **Ambak, M.A.**, Abol, M.A.B., Torla H.H. and J. Alam (2005) Effect of Feed Additives on the Development of Proteolytic Enzymes of the Tropical Sport Fish Malaysian Mahseer (*Tor tambroides* – Bleeker) fry. **Am.J.Biochem. & Biotech. 1(3): 133-135**

**Ambak, M.A.** and Jalal, K.C.A. (2006). Sustainable issues of Reservoir Fisheries in Malaysia. **Aquatic Ecosystem Health Management. Taylor and Francis Inc. Philadelphia, USA. 9(2):165-173**

**Ambak, M.A.**, Abol-Munafi, A.B., Ismail, P. and Tam, B.M. (2006) Genetic variation of Snakehead Fish ( *Channa Striata* ) population using Random Amplified Polymorphic DNA. **Biotechnology 5(1):104-110**

**Ambak, M.A.**, A.Hassan , N.T Phuong and T.D.Dinh (2006) Population Dynamics of the goby *Pseudapocryptes lanceolatus* in the coastal mud flat areas of the Mekong Delta, **Journal of Sustainability Science and Management** 1(1):15-23

Liew, H.J., **M.A. Ambak**, A.B. Abol-Munafi and T.S. Chuah (2006). Embryonic development of clownfish *Amphiprion ocellaris* under laboratory conditions. **Journal of Sustainability Science and Management** 1(1):64-73

Dinh, T.D., **M.A.Ambak**, A.Hassan and N.T. Phuang (2007) Biology and Population Dynamics of *Pseudapocryptes elongatus* (Cuvier,1816) in coastal mudflats of the Mekong Delta, Vietnam. **Pakistan Journal of Biological Sciences** 10(19):3284-3294

Dinh, T.D., **M.A.Ambak**, A.Hassan and N.T. Phuang (2007) Population Biology of the Goby *Pseudapocryptes elongatus* (Cuvier,1816) in coastal mudflats of the Mekong Delta. **Asian Fisheries Science** 20(2007):165-179

Lam, S.S., **Ambak, M.A.**, Jusoh, A. and A.T.Law (2008) Waste excretion of marble goby (*Oxyeleotris marmorata* Bleeker) fed with different diets. **Aquaculture** 274(1) : 49-56

**Ambak, M.A.**, T.D.Dinh, A.Hasan and N.T. Phuong (2007) Reproductive Biology of the Goby *Pseudapocryptes lanceolatus* in the coastal mudflat areas of the Mekong Delta. **Journal of Sustainability Science and Management** 2(2): 21-30

AJM A. Rouf, **M.A.Ambak**, L Shamsudin, Siew-Moi Phang and S.C.Ho (2008) Temporal changes in the periphytic algal communities in a drowned tropical forest reservoir in Malaysia: Lake Kenyir. **Lakes & Reservoirs: Research and Management** 2008 13:271-287, Blackwell Publishing Asia Pty Ltd.

AJM A. Rouf, **M.A.Ambak** and Siew-Moi Phang (2009). The floristic composition and ecology of periphytic diatoms from the man made tropical lake, Tasik Kenyir in Malaysia. **Aquatic Ecosystem Health Management. Taylor and Francis Inc. Philadelphia, USA.** 12(4):364-374

**Ambak, M.A.** and M.Z. Zakaria (2010) Freshwater fish diversity in Sungai Kelantan. **Journal of Sustainability Science and Management** 5(1): 13-20.

Rouf A.J.M. Abdur, Phang Siew-Moi, **Ambak M.A.** (2010) Depth distribution and ecological preferences of periphytic algae in Kenyir Lake,

the largest tropical reservoir of Malaysia. **Chinese Journal of Oceanology and Limnology** 28(4): 856-868

Nhan H.T., Liew, H.J., **M.A. Ambak**, Watson, G.J. and H.Y. Siang (2010) Evidence for sexual attraction pheromones released by male tropical donkey's ear abalone (*Haliotis asinina*), (L). **Inv. Repr. And Dev.** 54(4):169-176

Ikhwanuddin, M., G. Azmie, H.M.Juariah, M.Z. Zakaria and **M.A.Ambak** (2011) Biological information and population features of mud crab, genus *Scylla* from mangrove areas of Sarawak, Malaysia. **Fisheries Research** 108(2011):299-306.

Hassan Basri and **M.A.Ambak** (2011) A note on *Lernea cyprinacea* parasitizing the cultured marble goby, *Oxyeleotris marmorata* and their control with salinity modification. **Advances in Environmental Biology**, 5(5):817-820

Anuar Hassan, **Mohd Azmi Ambak** and Agus Putra A. Samad (2011) Crossbreeding of *Pangasianodon hypophthalmus* and *Pangasius nasutus* and their larval development. **Journal of Sustainability Science and Management** 6(1): 28-35.

Y.S. Hii, C.L. Soo, T.S. Chuah, **A. Mohd-Azmi** and A.B. Abol-Munafi (2011) Interactive effect of ammonia and nitrogen on the nitrogen uptake by *Nannochloropsis* sp. **Journal of Sustainability Science and Management** 5(1): 60-68.

I.S. Al-Anbouri, **M.A.Ambak** and N. Jayabalan (2011) Studies on the age, growth and mortality rates of Indian Oil Sardine, *Sardinella longiceps* Valenciennes, 1847 off Oman Sea, Muscat, Sultanate of Oman. *Journal of Biology, Agriculture and Healthcare*. ISSN 2224-3208(paper) ISSN 2225-093X(Online) Vol 1, No.4, 2011.

Idris, H.B., **Ambak, M.A.** and Ikhwanuddin, M. (2012) Sex determination in *Oxyeleotris marmorata* (Bleeker, 1852) based on morphometric features. **Adv. In Appl. Sci.**, 6(6): 761-763

A. J. M. Abdur Rouf, Siew-Moi Phang, **M. Azmi Ambak** (2012) Depth distribution and ecological preferences of periphytic algae in Kenyir Lake, the largest tropical reservoir of Malaysia **Chinese Journal of Oceanology and Limnology** (impact factor: 0.5). 04/2012; 28(4):856-867.

Ikhwanuddin, M., G. Azmie, H.M.Juariah, Abol-Munafi, A.B., M.Z. Zakaria and **M.A. Ambak** (2012) Tracking the movement of mud crab, genus *Scylla* from mangrove area using Telemetry System. **Borneo Science** 30:299-306.

Hafiz, M.B., Hidayah, M., YUSDIANATU, A.Y., **Ambak, M.A.**, Abol-Munafi, A.B. & Ikhwanuddin, M. (2012) Effect of Oestrogen Hormone, 17 $\beta$ -Estradiol on Feminization, Survival Rate and Growth Rate of Tiger Shrimp, *Penaeus monodon* (Fabricius, 1798) Post-Larvae. **Borneo Science** 30: March 2012.

### **Selected Conference/Symposium/Seminar/Workshop**

Jalal, K.C.A, **Ambak, M.A.**, Saad, C.R. Hasan, A. and Abol, M.A (1998) Evaluation of *Spirulina* as a Feed Additive for the Growth of Tropical Sport Fish Larvae (*tor tambroides*) Reared Under Semicontrolled Conditions. **Paper presented in 5<sup>th</sup> Asian Fisheries Forum held on 11<sup>th</sup>-14<sup>th</sup> Nov, 1998 at Chiang Mai, Thailand.**

Jalal, K.C. A, **Ambak, M.. A.**, Saad, C.R., Hasan and A, Abol, M.A.B. (1998) Effects of Feeding Frequency on the Growth of Malaysian mahseer *Tor tambroides* (Bleeker). Paper presented in the **World Aquaculture Conference, 99 held on 26th April-2nd May, 1999 in Sydney, Australia.**

**Ambak, M.A.** and Jalal, K.C.A., Mouth Breeding Characteristics of Malaysian Bony Tongue, Kelesa, *Scleropages formosus* (Muller and Schlegel) of Kenyir Lake, Malaysia, **World Aquaculture Conference, 99, 3 – 6 June 1999, World Trade Centre, Singapore.**

Jalal, K.C. A, **Ambak, M.A.**, Saad, C.R., Hasan and A, Abol, M.A.B., Effect of *Spirulina*, Enzymes and Vitamins on the Growth and Survival of Tropical Sport Fish (*Mystus nemurus*) Fry, Tropical Aquaculture and Fisheries Conference, 99, 7 – 9 September 1999, Park Royal Hotel, Terengganu, Malaysia.

Jalal, K.C. A, **Ambak, M.A.**, Saad, C.R., Hasan and A, Abol, M.A.B., The Effect of Varying Dietary Protein Level on the Growth, Survival, Food Conversion and Body Composition of Malaysian Sport Fish, *Tor tambroides* Fry, First National Symposium on Aquaculture, 22 – 24 November, 1999, Berjaya Hotel, Penang, Malaysia.

Rozihan, M., **Ambak. M.A.**, Saad, C.R and Haryadi, J., The Study of the Effect of Feed Additives on the Growth, Survival and Feed Utilization of Juvenile Malaysian Mahseer, *Tor tambroides* (Bleeker), First National

Symposium on Aquaculture, 22 – 24 November, 1999, Berjaya Hotel, Penang, Malaysia.

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