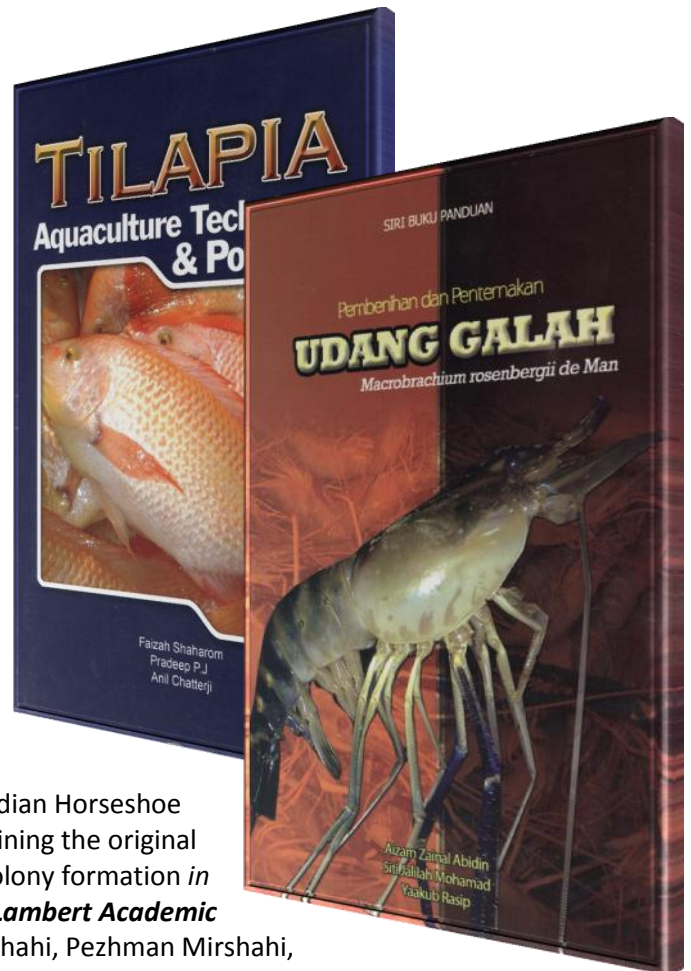


Appendix 7 : Publications

1. Book-Chapter (s) in a book

1. TILAPIA: Aquaculture Techniques and Potential
[Eds: Faizah Shaharom, Pradeep, P.J. and Anil Chatterji]
2. Pembenihan dan Penternakan Udang Galah *Macrobrachium rosenbergii* (de Man).
Assoc. Prof. Aizam Zainal Abidin, Siti Jalilah Mohamad and Yaakub Rasip (2010).
3. *False Clownfish: Breeding, Behavioral, Embryonic and Larval Development, Rearing and Management of clownfish Under Captivity*, 1st Edition, LAP Lambert Academic Publishing, Europe.
Hon Jung Liew, Mohd. Azmi, and Ambok Bolong Abol-Munafi (eds), (2010).
4. Peri-vitelline fluid of the fertilized eggs of the Indian Horseshoe Crab (*Tachypleus Gigas*, Müller) helps in maintaining the original phenotype of CD 34⁺ stem cells and enhances colony formation *in vitro*. In: *Horseshoe crab in Asia*, Published by: **Lambert Academic Publishing, Germany** (Accepted). Massoud Mirshahi, Pezhman Mirshahi, Jeannette Soria, Huma Alam, Amu Therwath and **Anil Chatterji**.
5. Growth performance of young larvae of mangrove horseshoe crab, *Carcinoscorpius rotundicauda* (Latreille) under different environmental conditions. In: *Horseshoe crab in Asia*, Published by: **Lambert Academic Publishing, Germany** (Accepted). Srijaya, T. C., Pradeep, P.J., Mithun Sukumaran, Faizah Shaharom and **Anil Chatterji**.
6. Allometric relationship in the population of horseshoe crab (*Tachypleus tridentatus*; Leach) collected from Papar Sabah in Malaysia. In: *Horseshoe crab in Asia*, Published by: **Lambert Academic Publishing, Germany** (Accepted). **Anil Chatterji**, Srijaya, T.C., Mithun Sukumaran, Pradeep, P.J. and Faizah Shaharom.



2. Journals

1. M. Najiah, M. Nadirah, I. Sakri, and **F. Shaharom-Harrison**, 2010. Bacteria Associated with Wild Mud Crab (*Scylla serrata*) from Setiu Wetland, Malaysia with Emphasis on Antibiotic Resistances. Pakistan Journal of Biological Sciences, 13 (6): 293-297, 2010, ISSN 1028-8880, © 2010 Asian Network for Scientific Information.
2. Najiah M., Lee S.W., Wendy W., Tee L.W., Nadirah M., and **Shaharom-Harrison, F.**, 2010. Antibiotic resistance and heavy metal tolerance in gram negative bacteria from diseased American bullfrog (*Rana catesbeiana*) cultured in Malaysia.
3. Lee S.W., Najiah M., Wendy W., Nadirah M., and **Shaharom-Harrison, F.**, 2010. Occurrence of heavy metals and antibiotic resistance in bacteria from internal organs of American bullfrog (*Rana catesbeiana*) raised in Malaysia.
4. Srijaya, T.C., Pradeep, P.J., Mithun, S., Anuar, H., **Shaharom-Harrison, F.**, Anil Chatterji, 2010. A new record on variability in different body measurements of the horseshoe crab, *carcinoscorpis rotundicauda* (latreille) collected from Setiu and Gelang Patah habitats in Peninsular Malaysia. J. Bombay Nat Hist. Soc. (Accepted). [IF=0.470]
5. Srijaya, T.C., Pradeep, P.J., Mithun, S., Anuar, H., **Shaharom-Harrison, F.**, Anil Chatterji, 2010. A new record on the morphometric variations in the populations of horseshoe crab (*Carcinoscorpis rotundicauda*) obtained from two different ecological habitats of Peninsular Malaysia. **Our Nature** 8: 204-211.
6. Christine M. Saldanha, Savita Kotnala, Sreejaya T.C, Pradeep, P.J, Mithun Sukumaran, **Faizah Shaharom**, and Anil Chatterji, 2010. Growth of Tiger Shrimp, *Penaeus monodon* (Fabricius) in a Re-circulating Seawater System, Malaysian Fisheries Science.
7. Christina, M. Saldanha, Pradeep, P. J., Srijaya, T. C., Mithun Sukumaran, **Anuar bin Hassan** and Anil Chatterji. Respiratory Metabolism in Juveniles of Tiger Shrimp, *Penaeus monodon* (Fabricius) under Different Environmental Conditions. **Asian Fisheries Science** (Accepted).
8. **B.H, Anuar**, Agus Putra and Mohd Azmi Ambak. Cross Breeding *Pangasius hypophthalmus* and *Pangasius nasutus* and the Larval Development of their Hybrid. Journal of Sustainable Science and Management (Accepted).
9. **Anuar Hassan**¹, Hai, T.N.² and Mithun Sukumaran¹. Preliminary study on the feeding regime of laboratory reared mud crab larva, *Scylla serrata* (Forsskal, 1775). Journal of PERTANIKA (Accepted).
10. **Abol-Munafi**, A.B., Pitagsalee, C., Hayimad, T., Norbaizura, S., Normadiha, M.N. and Fong, P.W., (2010), *Optimal conditions for larval rearing of spotted Babylon snail (Babylonia areolata Link 1807)*, Journal of Sustainability Science and Management, Vol. 5(2) : 81-88.

11. Saadiah, I., **Abol-Munafi**, A.M. and Che Utama, C.M., (2010), *Replacement of fishmeal in cobia (Rachycentron canadum) diets using poultry by-product meal.*, Aquaculture International DOI: 10.1007/s 10499-010-9378-8.
12. **Zaleha, K.** and Farahiyah Ilyana Jamaludin. 2010. Culture and growth of a marine harpacticoid, *Pararobertsonia sp.* in different salinity and temperature. *Sains Malaysiana*, 39(1): 137-141.
13. **Zaleha, K.** And Farah Diyana, M.F. 2010. Spatial range of meiobenthic faunal density in intertidal zone of Port Dickson, Malaysia. *Journal of Sustainability Science and Management*, 5(1): 94-105.
14. Akhbar John, B., K.C.A.Jalal, Y.B.Kamaruzzaman and **K.Zaleha**. 2010. Mechanism in the Clot Formation of Horseshoe Crab Blood during Bacterial Endotoxin Invasion. *Journal of Applied Sciences*, 10(17): 1930-1936.
15. **Zaleha, K.**, Nazia, A.K.and Nurul Huda A.I.2010. Species assemblages of benthic harpacticoid copepods on tide rock pool seaweeds of Pulau Besar, Melaka. *Journal of Tropical Biology and Conservation*, 7: 1-10.
16. Kamaruzzaman, Y.B., Akbar John, B., Jalal, K.C.A. and **K. Zaleha**. 2010. Molecular phylogeny of horseshoe crab. *Asian Journal of Biotechnology*. In Press.
17. **Zaleha, K.**, Kamaruzzaman, B.Y., Akbar, J.B. and Ong, M.C. 2010. Cd, Cu and Pb concentration levels in horseshoe crab nesting grounds of Pahang coast, Malaysia. *Journal of Biological Science*. In Press.
18. Khoda Baksh, H., Wan Azizam W. Adnan, Christianus, A., Saad, C.R., **Aizam, Z.A.**, Movassagh, S. (2010). Computerized Visual Assessment and Validation Technique in an integrated Agriculture-Akuakulture (IAAS). *Journal of Sustainability Science and Management*. Vol 5 (No.2) pp 32-43.
19. **Ikhwanuddin, M.**, Juariah, H. M., Shabdin, M. L., and Abol-Munafi, A. B. Fecundity of blue swimming crab, *Portunus pelagicus* (Linnaeus, 1758) from Sematan fishing district, Sarawak coastal water of South China Sea. Paper submitted and accepted by *Borneo Journal of Resources Science and Technology*.
20. **Ikhwanuddin, M.**, Bachok, Z., Hilmi, M. G., Azmie, G., and Zakaria, M. Z. Species diversity, carapace width-body weight relationship, size distribution and sex ratio of mud crab, genus *Scylla* from Setiu Wetlands of Terengganu coastal waters, Malaysia. *Journal of Sustainability Science and Management* (Accepted).
21. **Ikhwanuddin, M.**, Bachok, Z., Mohd Faizal, W. W. Y., Azmie, G., and Abol-Munafi, A. B. Size of maturity of mud crab *Scylla olivacea* (Herbst, 1796) from mangrove area of Terengganu coastal water. *Journal of Sustainability Science and Management* (Accepted).
22. **Ikhwanuddin, M.**, Juariah, H. M., Abol-Munafi, A. B., and Shabdin, M. L. Improved hatchery-rearing techniques for juvenile production of blue swimming crab, *Portunus pelagicus* (Linnaeus, 1758). *Journal of Aquaculture Research* (Accepted).

23. **Ikhwanuddin, M.**, Azmie, G., Juariah, H. M., Zakaria, M. Z., and Ambak, M. A. Biological information and population features of mud crab, genus *Scylla* from mangrove areas of Sarawak, Malaysia coastal waters of South China Sea. *Journal of Fisheries Research* (Accepted).
24. Yeong Yik Sung, Ambok Bolong Abol-Munafi, Abdullah Mohd., **Ikhwanuddin** and Noor Azhar Mohd. Shazili. Terminalia catappa leaf extract is an effective rearing medium for larviculture of Pearl and Blue gouramy. Paper submitted and accepted by *Journal of Aquaculture International* (Accepted).
25. Suniza A. M. S., Zaleha bt Kassim and Anil **Chatterji** (2011). Effects of different environmental parameters on the respiratory metabolism of the larvae of Malaysian horseshoe crab, *Tachypleus gigas* (Müller). *Pertanica Journal of Science and Technology*, **19** (1): 1-9.
26. **Chatterji, A.**, Zaleha Kassim, Anuar bin Hassan, Amu Therwath and Faizah Shaharom. Marine living resources in the practice of traditional medicine. *J. Coast. Environ.*, **1**(1): 49-60.
27. Savita Kotnala, Puspita Dhar, Partha Das & **Anil Chatterji**. Growth performance of fingerlings of the Indian major carps, *Catla catla* (Ham.) fed with feeds supplemented with different seaweeds. *Pertanica Journal of Science and Technology*, **18** (2), 255-262.
28. Rashmi, C. V., A. S. Sabu and **Anil Chatterji**. Bio-evaluation of two red seaweeds for their cytotoxic and antioxidant activities *in-vitro*" *Journal of Complementary and Integrative Medicine*, **7**(1): 42
29. Rashmi C. Vinayak, A.S. Sabu and **Anil Chatterji**. Bio-prospecting of a few brown seaweeds for their cytotoxic and antioxidant activities, *doi:10.1093/ecam/neq024* pp 1-9.
30. Vinayak, Rashmi C., A.S., Sabu and **Anil Chatterji**. Bio-screening of a few green seaweeds from India for their cytotoxic and antioxidant potential. *Journal of Science of Food and Agriculture* (Accepted).
31. Pradeep, P.J., Srijaya, T.C., Shahreeza, M.S., Mithun, S., Anuar, H. and **A. Chatterji**. Identification between diploid and triploid individuals of Red Hybrid Tilapia (*Oreochromis mossambicus* X *Oreochromis niloticus* Linn.) using erythrocyte measurements. *Pertanika Journal of Tropical Agricultural Science* (Accepted).
32. Pradeep, P.J., Srijaya, T.C., Shahreeza, M.S., Mithun, S., Anuar, H. and **A. Chatterji**. Induction of triploidy in red hybrid tilapia by heat shock treatment. *J. Coast. Environ.*, **1**(1), 91-102.
33. Christina, M. Saldanha, Pradeep, P. J., Srijaya, T. C., **Mithun Sukumaran**, Anuar bin Hassan and Anil Chatterji. Respiratory Metabolism in Juveniles of Tiger Shrimp, *Penaeus monodon* (Fabricius) under Different Environmental Conditions. *Asian Fisheries Science* (Accepted).

3. Handbook-Research Pamphlet-Technical Information

1. A new record on formation of thermal bar in Tasik Kenyir of Malaysia. **Institute of Tropical Aquaculture, University Malaysia Terengganu** (2010)

4. Proceedings

1. Marina H., **Shaharom-Harrison, F.**, Suhairi M., Ihwan M.Z., and Wahidah W., 2010. Physalopterid nematode parasite of Belida (*Notopterus notopterus*) from Kenyir Lake, Terengganu. Proceedings of UMT 9th International Annual Symposium on Sustainability Science and Management.
2. Marina H., **Shaharom-Harrison, F.**, Suhairi M., Ihwan M.Z., and Wahidah W., 2010. *Transversotrema sp* from freshwater fish, *Puntius schwanenfeldii* at Kenyir Lake, Terengganu. Proceedings of UMT 9th International Annual Symposium on Sustainability Science and Management.
3. Nur Erni. A. H. N., Kamaliah K., Luhtfi M. O., Chatterji A., Kamaruzzaman B. Y., Effendy A.W. M., Norantonina A., **Zaleha K.**, 2010. Variation in Distribution of Horseshoe crab Nest along Pahang Coastal Area, Proceedings, Universiti Malaysia Terengganu International Annual Symposium Science and Management. Pp 540-544.
4. Nelson, B. R., **Zaleha, K.**, Kamaruzzaman, B. Y., 2010. Does Balok Estuary, Pahang Have Potential as a Landing Site for *Tachypleus gigas* (Müller, 1785), Xiphosura: Arthropoda? Proceedings, Universiti Malaysia Terengganu International Annual Symposium Science and Management. Pp 510-515.

5. Articles

1. Pradeep, P.J., Mithun, S., Srijaya, T.C. **Shaharom-Harrison, F.**, **Anuar Hassan** and Anil Chatterji. The aquatic chicken-*Tilapia* and its future Prospects in Malaysia. **014**, 52-56.
2. **A. Chatterji**, Zaleha Kassim, Anuar bin Hassan and Faizah Shaharom. Marine living resources in the age old practice of traditional medicine —an overview, *Enviroscan*, **3**(2), 3-5 (2010).
3. Pradeep, P.J., Srijaya, T.C., **Mithun, S.**, Anuar Hassan, Anil Chatterji and Benno Periera, 2010. Knowing Nemo. *Prospects Malaysia*, **13**, 65-68.
4. **Mithun, S.**, Pradeep, P.J., Srijaya, T.C., Faizah Shaharom and Anil Chatterji. Seaweeds-potential source of organic fertilizer for plants. *Prospect Malaysia*.

6. Paperwork / Workshops/Conference

1. **Abol-Munafi**, A.B., Siti Ariza, A. and Effendy, M.A.W. *Ontogeny of the gastrointestinal tract and selected digestive enzymes in tiger grouper (Epinephelus fuscoguttatus)*. Global Conference on Aquaculture 2010: Farming the Waters for People and Food, Phuket, Thailand.
2. Norazmi-Lokman Nor Hakim, **Abol-Munafi Ambok Bolong** and Nur Asma Ariffin. *Genetic Analysis Between Female, Male and Non-Breeders of False Clownfish, Amphiprion ocellaris.*, Annual Seminar on Marine Science and Aquaculture 2010, Kota Kinabalu, Sabah.
3. Eidyezani, M. S. and **Zaleha, K.** Effect of photoperiod to Nauplii Production of a Marine Cyclopoid Copepod Apocyclops sp. 11th Symposium of the Malaysian Society of Applied Biology. 14-15th June 2010, Kota Bharu.
4. **Zaleha, K.** and Nor Maisarah Rameli. Successful Spawning and Larval Production of Oyster, *Crassostrea belcheri* Using Different Methods of Induction. 11th Symposium of the Malaysian Society of Applied Biology. 14-15th June 2010, Kota Bharu.
5. Chin, L.K. and **Zaleha, K.** Production of *Chlorella* sp. concentrate isolated from Bidong Island and assessment as copepod diet. 11th Symposium of the Malaysian Society of Applied Biology. 14-15th June 2010, Kota Bharu.
6. Eidyezani, M. S. and **Zaleha, K.** Effect of photoperiod to Nauplii Production of a Marine Cyclopoid Copepod Apocyclops sp. Seminar Kimia Analisis Malaysia, Nov 2010.
7. Farah Diyana, M.F. and Zaleha, K. Health status of recreational beaches in Wilayah Iskandar development area, Johor. Seminar Kimia Analisis Malaysia, Nov 2010.
8. Akbar John, B., K.C.A. Jalal, Y.B. Kamaruzzaman, **K. Zaleha** and Prasanna, A. Molecular phylogeny of horseshoe crab using mitochondrial Cox1 gene as a benchmark sequence. 4th International Conference on Postgraduate Education (ICPE 4). 26-28th Nov. 2010. Cititel, Kuala Lumpur.
9. Kamaliah Kasmaruddin, **Zaleha Kassim** and Mohd. Effendy Abd. Wahid. Horseshoe crab: Carapace to chitosan and its antibacterial activity. 4th International Conference on Postgraduate Education (ICPE 4). 26-28th Nov. 2010. Cititel, Kuala Lumpur.
10. **Aizam Zainal Abidin** (2010). Penternakan Ikan Keli Secara Komersial. Paper presented at Kursus Ternakan Ikan Air Tawar untuk Persatuan Orang-orang Cacat Penglihatan Islam Malaysia (PERTIS). Institute of Tropical Aquaculture, Universiti Malaysia Terengganu.
11. Hilmi, M. G., Bachok, Z., Azmie, G., Zakaria, M. Z., and **Ikhwanuddin, M.** Species composition, carapace width-body weight relationship, size distribution and sex ratio of mud crab, genus *Scylla* from Setiu Wetlands of Terengganu coastal water, Malaysia. Paper presented at 1st National Conference on Natural Resources 2010, 18-19 May 2010, Kota Bharu, Kelantan.

12. **Ikhwanuddin, M.**, Azmie, G., Juariah, M., Zakaria, M. Z., and Ambak, M. A. Biological information and population features of mud crab, genus *Scylla* from mangrove areas of Sarawak, Malaysia coastal waters of South China Sea. Paper presented at *1st National Conference on Natural Resources 2010*, 18-19 May 2010, Kota Bharu, Kelantan.
13. Nadiah, W. N., **Ikhwanuddin, M.**, and Abol- Munafi A.B. (2010). Observations on the Mating Behavior and success of blue swimming crab, *Portunus pelagicus* (Linnaeus, 1758) through the induction of limb autotomy technique. Paper presented at Network on Aquaculture Development and Entrepreneurship, 19 – 20th October 2010. Universiti Malaysia Kelantan.
14. **Ikhwanuddin, M.**, Shabdin M. L. and Abol-Munafi, A. B. Optimal water temperature and salinity conditions for the production of blue swimming crab *Portunus pelagicus* (Portunidae) juvenile crabs. Paper presented at *Annual Seminar on Marine Science and Aquaculture 2010*, 10-12 March 2010, Kota Kinabalu, Sabah.
15. Juariah, H. M., **Ikhwanuddin, M.**, Abol-Munafi, A. B., and Shabdin, M. L. Effect of water exchange and antibiotics on larvae rearing of blue swimming crab, *Portunus pelagicus* (Linnaeus, 1766). Paper presented at *Annual Seminar on Marine Science and Aquaculture 2010*, 10-12 March 2010, Kota Kinabalu, Sabah.
16. Azmie, G., **Ikhwanuddin, M.**, Mohd Fauzan, M. Z., and Abol-Munafi, A. B. Effect of different salinity in the production of berried female orange mud crab *Scylla olivacea*. Paper presented at *Annual Seminar on Marine Science and Aquaculture 2010*, 10-12 March 2010, Kota Kinabalu, Sabah.
17. Nadiah,W.N., **Ikhwanuddin, M.** , Abol-Munafi, A.B. ,Yeong, Y. Sung, Safiah, J., and Laufer, H. (2010). Stimulation of Ovarian Maturation by Eyestalk Ablation and the Identification of Methyl Farnesoate Hormone in Blue Swimming Crab, *Portunus pelagicus* (Linnaeus, 1758). Paper presented at 4th International Conference on Postgraduate Education, (ICPE-4), 27th and 28th November 2010. Cititel Hotel, Midvalley, Kuala Lumpur.
18. Mir A. D. Talpur, Memon, A. J., K. M. Iqbal, **Ikwanuudin, M. and** Abol Munafi A. B. (2010). Profusion of potential pathogen bacteria in the gut of blue Swimming crab *Portunus pelagicus* (Linnaeus, 1758). Paper presented at 4th International Conference on Postgraduate Education, (ICPE-4), 27th and 28th November 2010. Cititel Hotel, Midvalley, Kuala Lumpur.
19. Memon. A. J., **Ikhwanuddin, M.**, Talpur, A. D., Fariddudin. M. O., Safiah, J. and Abol Munafi, A.B. (2010). Sperm viability assessment of banana shrimp, *Fenneropenaeus merguensis* (De Man, 1888) for cryopreservation process. Paper presented at 4th International Conference on Postgraduate Education, (ICPE-4), 27th and 28th November 2010. Cititel Hotel, Midvalley, Kuala Lumpur.
20. Mithun, S., Pradeep, P.J., Srijaya, T.C., Shahreeza, M.S., Anuar, H. and **Anil,C.** Determining the time of second polar body extrusion from the fertilized eggs of red hybrid tilapia (*Oreochromis mossambicus* X *Oreochromis niloticus*) during triploidy induction. In: Paper presented at 4th

International Conference on Postgraduate Education, (ICPE-4), 27th and 28th November 2010. Cititel Hotel, Midvalley, Kuala Lumpur. Pp. 212.

21. Srijaya, T. C., Anuar bin Hassan, Pradeep P. J., Mithun Sukumaran, **A. Chatterji**. A new record on the morphometric variations in the populations of horseshoe crab (*Carcinoscorpius rotundicauda*; Latreille) obtained from two different ecological niches of Peninsular Malaysia. Simbiomass, 2010
22. A.Chatterji, Anuar bin Hasan and Faizah binti Shaharom. The future of marine green mussels in biomedical science - an overview, Simbiomass, 2010

7. Patent applications

1. **Faizah binti Shaharom**, Anuar bin Hassan, Pradeep Padmaja Jayaprasad, Srijaya Thekkeparambil Chandrabose, Anil Kumar Chatterji. A novel feed supplement isolated from the green mussels (*Perna viridis*, L) useful in producing high disease resistant fries of commercially important freshwater fishes. (Patent Application submitted).
2. **Faizah binti Shaharom**, Anuar bin Hassan, Pradeep Padmaja Jayaprasad, Srijaya Thekkeparambil Chandrabose, Anil Kumar Chatterji. An extract of Malaysian seaweed (*Padina tetrastromatica*) useful as a fertilizer to improve the growth and quality of commercially important plants. (Patent Application submitted).
3. **Faizah binti Shaharom**, Anuar bin Hassan, Pradeep Padmaja Jayaprasad, Srijaya Thekkeparambil Chandrabose, Anil Kumar Chatterji. The extract of Malaysian seaweed (*Sargassum tetrestomatica*) enhances the growth and quality of the commercially important plants. (Patent Application submitted).