## Appendix 1: Our Strength

<table>
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<th>No</th>
<th>Indicators</th>
<th>Achievement in 2012</th>
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<td></td>
<td>i. Number of administrative and professional staffs</td>
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<td>ii. Number of supporting staffs</td>
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<td>iii. Number of academic staffs</td>
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<td></td>
<td>b. Associate Professor</td>
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<td></td>
<td>c. Senior Lecturer</td>
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<td>d. Lecturer</td>
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<td>e. Research Fellow</td>
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<td><strong>Facilities</strong></td>
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<td>ii. Number of research lab</td>
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<td>iii. Number of Hatchery</td>
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<td>iv. Number of computer lab</td>
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<td>v. Number of computer for students usage</td>
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<td>3</td>
<td><strong>Number of Postgraduate students</strong></td>
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<td></td>
<td>b. Doctor of Philosophy (PhD)</td>
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<td>a. Master</td>
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<td>b. Doctor of Philosophy (PhD)</td>
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## Appendix 2: Research Funding

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<tr>
<th>Bil.</th>
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<tr>
<td>1.</td>
<td>Prof. Dr. Anuar Hassan</td>
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<tr>
<td></td>
<td>MOHE (ERGS) (01.08.2011 – 31.07.2014) Technology Development and Production of Freshwater Pearl Culture in Malaysia. RM128,000.00</td>
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<td></td>
<td>UMT (Tabung Bantuan Penyelidikan Khas) (15.01.2011 – 15.01.2012) Identification and Basic Application of Probiotic Microbes Lacotbacillus spp. for Competitive Exclusion (in-vitro) of Cancer Cell Lines. RM20,000.00</td>
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<td>Assoc. Prof. Dr. Mhd Ikhwanuddin @ Polity Abdullah</td>
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<td></td>
<td>MOHE (ERGS) (01.08.2011 – 31.07.2013) Study on Artificial Insemination, Putative Hormones and Larvae Feeding Regimes of Spiny Lobster, <em>Panulirus polyphagus</em>. RM175,000.00</td>
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<td>Prof. Emeritus Dr. Faizah Sharoum</td>
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<td></td>
<td>SCIENCE FUND (01.11.2009 – 31.01.2012) Fish parasites as indicator of pollution in natural and Farming ecosystems. RM230,984.00</td>
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<td></td>
<td>MOHE (FRGS) (07.01.2012 – 30.06.2015) Therapeutic and Biological Control Measures for Crustacean Parasites (Caligus sp. and Lernanthropus sp.) RM100,000.00</td>
<td>330,984.00</td>
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<td>4.</td>
<td>Assoc. Prof. Aizam Zainal Abidin</td>
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5. Dr. Safiah Jasmani

   i. FRGS (MOHE) (15.01.2011 – 15.01.2013)
      The Role of Prostaglandins in Breeding Capacity of *Macrobrachium rosenbergii*
      females in Captivity.
      RM89,000.00

6. Dr. Mithun Sukumaran

   i. TPM (UMT) (12.01.2011 – 30.11.2012)
      Bridging the Gaps in Linnean and Wallacean shortfalls: Phylogenetics and
      Evolutionary Biogeography of Fishes of the Genus Channa (Scopoli) from South
      and South East Asia.
      RM10,000.00

   ii. FRGS (MOHE) (05.02.2012 – 05.01.2014)
      Bridging the Gaps in Linnean and Wallacean shortfalls: Phylogenetics and
      Evolutionary Biogeography of Fishes of the Genus Channa (Scopoli) from South
      and South East Asia.
      RM118,000.00

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Appendix 3: Postgraduate Students

1. Local PhD Students

<table>
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<tr>
<th>No</th>
<th>Name</th>
<th>Supervisor</th>
<th>Project Title</th>
<th>Program</th>
<th>Year Registration</th>
<th>Scholarship received</th>
<th>Status</th>
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<tbody>
<tr>
<td>1</td>
<td>Khor Wai Ho</td>
<td>Assoc. Prof. Dr. Mhd Ikhwanuddin Abdullah</td>
<td>Development of New Mud Crab (Scylla olivacea Culture Strains From Malaysia Based On Morphological Assessment of Desirable Traits Carapace width-body weight relationship, size at maturity, size Increment Percentage Via Selective Breeding</td>
<td>PhD</td>
<td>2010</td>
<td>MyPhD</td>
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<tr>
<td>2</td>
<td>Mohd Fazhan Mohd Hanafiah</td>
<td>Assoc. Prof. Dr. Mhd Ikhwanuddin Abdullah</td>
<td>Molecular Systematic, Species Identity Profiling of Harpacticoid Copepod Species From Coral Reef Area of Malaysia and Their Response to Thermal Stress.</td>
<td>PhD</td>
<td>2010</td>
<td>MyPhD</td>
<td>On going</td>
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<tr>
<td>3</td>
<td>Siti Nor Fatihah Zakaria</td>
<td></td>
<td>Sperm Production, Cryopreservation and Artificial Insemination of Mud Spiny Lobster, <em>Panulirus polyphagus</em></td>
<td>PhD</td>
<td>2010</td>
<td>MyPhD</td>
<td>On going</td>
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<tr>
<td>4</td>
<td>Ahmad Daud Om</td>
<td>Assoc. Prof. Dr. Abol Munafi Ambok Bolong</td>
<td>Purification and Characterization on Giant Grouper (<em>Epinephelus lanceolatus</em>) and Tiger Grouper (<em>Epinephelus fuscoguttatus</em>)</td>
<td>PhD</td>
<td>2005</td>
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<tr>
<td>No</td>
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<td>6</td>
<td>Nor Shamsuria bt Omar</td>
<td>Dr. Anil Chatterji</td>
<td>Effect of Peri-vitelline Fluid (PVF) Obtained from the Fertilized Eggs of the Horseshoe Crab on the Proliferation and Differentiation Ability of Mesenchymal Stem Cells (MSCS): Application as an Alternative Growth Factor (AGF)</td>
<td>PhD</td>
<td>2011</td>
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<td>On going</td>
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<td>7</td>
<td>Nor Juneta bt Abu Seman</td>
<td>Dr. Safiah Jasmani</td>
<td>Physiological Studies On Molt Cycle In Mud Spiny Lobster, <em>Panulirus polyphagus</em> (Herbst, 1793) Larvae</td>
<td>PhD</td>
<td>2011</td>
<td>MyPhD</td>
<td>On going</td>
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<tr>
<td>8</td>
<td>Wan Noazira bt Wan Adnan</td>
<td>Dr. Safiah Jasmani</td>
<td>Physiological Effects of Lemongrass (<em>Cymbopogon citratus</em>) Essential Oil As An Anaesthetic on Freshwater Prawn, <em>Macrobrachium rosenbergii</em></td>
<td>PhD</td>
<td>2011</td>
<td>MyPhD</td>
<td>On going</td>
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<td>9</td>
<td>Bryan Raveen Nelson a/l Nelson Bernett</td>
<td>Prof. Emer. Dr. Faizah bt Mohd Sharoum</td>
<td>Evaluation of Horseshoe Crab Nesting Ground In East Coast of Peninsular Malaysia</td>
<td>PhD</td>
<td>2012</td>
<td>MyPhD</td>
<td>On going</td>
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<td>10</td>
<td>Siti Jalilah binti Mohamad</td>
<td>Assoc. Prof. Madya Aizam Zainal Abidin</td>
<td>Habitat-related and Seasonal Related Variation in Reproductive Endocrine Condition of Climbing Perch, <em>Anabas testudenius</em> (Bloch, 1792)</td>
<td>PhD</td>
<td>2012</td>
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## 2. International PhD Students

<table>
<thead>
<tr>
<th>No</th>
<th>Name / Country</th>
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<tr>
<td>1</td>
<td>Mir Allah Dad Talpur</td>
<td>Assoc. Prof. Dr. Abol Munafi</td>
<td>Isolation of Gut Probiotics and Application in Early Stages of Larviculture of Portunus pelagicus (Linneus, 1758)</td>
<td>PhD</td>
<td>2008</td>
<td>Pakistani Government</td>
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<td>2</td>
<td>Issa Mohamed Abdullah</td>
<td>Assoc. Prof. Dr. Abol Munafi</td>
<td>Study on the reproductive biology of Omani Clownfish.</td>
<td>PhD</td>
<td>2008</td>
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<td>Abdul Jabbar Memon</td>
<td>Prof. Emeritus Dr.</td>
<td>Optimization of Spermatophore Cryopreservation and Artificial Insemination Technique in Banana Shrimp Penaeus merguiensis (De Mar, 1888)</td>
<td>PhD</td>
<td>2008</td>
<td>Pakistani Government</td>
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<td>4</td>
<td>Muhammad Iqbal Khan</td>
<td>Prof. Emeritus Dr.</td>
<td>Study on Sex Change Mechanism of Amphiprion ocellaris (Pomacentridae) in Captivity Conditions</td>
<td>PhD</td>
<td>2009</td>
<td>Pakistani Government</td>
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<tr>
<td>5</td>
<td>Bako Mallam Modu</td>
<td>Prof. Emeritus Dr.</td>
<td>Ecology of Monogeneans on The Gills Of Two Species of Freshwater Fishes In Relation To The Water Quality In Kenyir Lake, Terengganu, Malaysia</td>
<td>PhD</td>
<td>2009</td>
<td>GRA</td>
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<td>6</td>
<td>Ali Mohammed Mastoi</td>
<td>Prof. Dr. Anuar Hassan</td>
<td>Antibacterial Properties Of Seaweed And Oyster Extracts And Its Effects On Pathogenic Bacteria Tolerance, Immune Status, Growth And Proximate Composition In Feeding Trials Of The Red Tilapia, Oreochromis sp. Juvenile</td>
<td>PhD</td>
<td>2010</td>
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<td>7</td>
<td>Roshan Mazhar</td>
<td>Prof. Emer. Dr. Faizah bt Mohd</td>
<td>Assessment of Metal Pollution Using Endoparasite as Accumulation Indicator in Fish at Setiu Wetland</td>
<td>PhD</td>
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### 3. Local Master Degree Students

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<tr>
<td>1</td>
<td>Marjorie Anak Charam</td>
<td>Assoc. Prof. Dr. HiiYii Siang</td>
<td>Effect of L-Ascorbic Acid on Tissue Regeneration of Sea Anemones, <em>Heteractis magnifica</em> (Quoy &amp; Gaimard, 1833).</td>
<td>M.Sc (Structure A)</td>
<td>2007</td>
<td>RA</td>
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<td>2</td>
<td>Mohd Luthfi Omar</td>
<td>Assoc. Prof. Dr. Zaleha Kassim</td>
<td>Growth and Population of Green Lipped Mussel (<em>Perna viridis</em>) on Raft Culture Area in Muar Coastal Water of Malaysia</td>
<td>M.Sc (Structure A)</td>
<td>2007</td>
<td>SKS</td>
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<tr>
<td>3</td>
<td>Noorul Ain Falah Ayob</td>
<td>Assoc. Prof. Dr. Zaleha Kassim</td>
<td>Growth and Population of Green Lipped Mussel (<em>Perna viridis</em>) on Raft Culture Area in Muar Coastal Water of Malaysia</td>
<td>M.Sc (Structure A)</td>
<td>2007</td>
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<td>4</td>
<td>Muhamad Eidyezani Safie</td>
<td></td>
<td>Sustain The High Survival Rate of Fry Grouper at Prelarval Stage.</td>
<td>M.Sc (Structure A)</td>
<td>2008</td>
<td>MOHE</td>
<td>On going</td>
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<td>5</td>
<td>Kamaliah Kasmaruddin</td>
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<td>Development of Chitosan from Horseshoe Crab Carapace as Wound Healing Agent</td>
<td>M.Sc (Structure A)</td>
<td>2008</td>
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<td>6</td>
<td>Lim Keng Chin</td>
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<td>A Comparative Study on The Population Growth and Paste Production of Marine <em>Chlorella</em> sp. and <em>Chaetoceros calcitrans</em></td>
<td>M.Sc (Structure A)</td>
<td>2008</td>
<td>SKS</td>
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<td>7</td>
<td>Nur Qamarina Abdul Khalid</td>
<td>Prof. Emer. Dr. Faizah bt Mohd Sharoum</td>
<td>Parasitic Crustacean on marine Cultured Fish: Taxonomy and Life Cycle of <em>Lernantropus</em> sp. From Cultured Sea bass (<em>Lates calcarifer</em>)</td>
<td>M.Sc (Structure A)</td>
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<tr>
<td>No.</td>
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<td>8</td>
<td>Mohd Ihwan Zakariah</td>
<td>Dr. Marina Hassan</td>
<td>Study of Ectoparasites on Blue swimming Crab <em>Portunus pelagicus</em>.</td>
<td>M.Sc</td>
<td>2009</td>
<td>-</td>
<td>On going</td>
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<td>9</td>
<td>Zalikha Azmi</td>
<td>Prof. Dr. Anuar Hassan</td>
<td>Triploidy Induction in <em>Anabas testudineus</em> (Bloch, 1791) by Cold Shock Treatment</td>
<td>M.Sc</td>
<td>2009</td>
<td>MOHE</td>
<td>Viva</td>
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<tr>
<td>10</td>
<td>Siti Jalilah Mohamad</td>
<td>Assoc. Prof. Aizam B. Zainal Abidin</td>
<td>The Reproductive Biology and Breeding of Climbing Perch, <em>Anabas Testudineus</em></td>
<td>M.Sc</td>
<td>2009</td>
<td>SKS</td>
<td>Graduated</td>
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<tr>
<td>11</td>
<td>Muhammad Hafiz Bahar</td>
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<td>The Development of Breeding Technology for the Production of Banana Shrimp (<em>Feneropenaeus merguiensis</em>) monosex postlarvae (PL) using hormone treatment.</td>
<td>M.Sc</td>
<td>2009</td>
<td>MOHE</td>
<td>On going</td>
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<td>12</td>
<td>Redzuari Alias</td>
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<td>Feeding Regimes for the Larvae of the Mud Crab <em>Scylla divacea</em> (Herbst, 1796)</td>
<td>M.Sc</td>
<td>2009</td>
<td>PASCA</td>
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<td>13</td>
<td>Juariah Hafsy Muhamad @ Mansor</td>
<td>Assoc. Prof. Dr. Mhd Ikhwanuddin Abdullah</td>
<td>Development of Potential Probiotics from Foregut of Blue Swimming Crab, <em>Portunus pelagicus</em>.</td>
<td>M.Sc</td>
<td>2009</td>
<td>NSF</td>
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<td>14</td>
<td>Azmie Ghazali</td>
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<td>Study on Ovarian Development of Orange Mud Crab, <em>Scylla olivacea</em></td>
<td>M.Sc</td>
<td>2009</td>
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<td>On going</td>
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<td>15</td>
<td>Nurul Huda Abdullah</td>
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<td>Study on Ovarian Development in Female Mud Crab, <em>Scylla olivacea</em> through eyestalk ablation and Methyl Farnesoate Hormone Induction.</td>
<td>M.Sc</td>
<td>2009</td>
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<tr>
<td>#</td>
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<td>16</td>
<td>Norhidayah Abdul Manan</td>
<td>Assoc. Prof. Dr. Mhd Ikhwanuddin Abdullah</td>
<td>Induction of Triploidy for The Production of Monosex Postlarvae of Banana Shrimp, <em>Feneropenaeus merguiensis</em>.</td>
<td>M.Sc (Structure A)</td>
<td>2009</td>
<td>MOHE</td>
<td>Graduated</td>
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<tr>
<td>17</td>
<td>Wan Mohd Faizal Wan Yusoff</td>
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<td>Size at Maturity and Ovarian Maturation Stages of Orange Mud Crab <em>Scylla olivacea</em></td>
<td>M.Sc (Structure A)</td>
<td>2009</td>
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<tr>
<td>18</td>
<td>Siti Zuriati Daud</td>
<td>Dr. Safiah Jasmani</td>
<td>Effect of Prebiotic and Probiotic on The Growth, Survival and immune Response of White Shrimp, <em>Litopenaeus vannamei</em> cultured at different salinities.</td>
<td>M.Sc (Structure A)</td>
<td>2009</td>
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<td>20</td>
<td>Muhammad Nur Al Haziq Norzin</td>
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<td>The Culture of The Freshwater Pearl Mussel In Kenyir Lake</td>
<td>M.Sc (Structure A)</td>
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<td>GRA</td>
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<td>21</td>
<td>Zulizah Ochi</td>
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<td>The Ecology of Bivalvia: Unionidae In Tasik Kenyir and Its Feasibility For Freshwater Pearl Culture</td>
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<td>Fatimah A`Tirah Mohamad</td>
<td>Prof. Emeritus Dr. Faizah bt Mohd Sharoum</td>
<td>Effects of Environmental on Lipids and Fatty Acid Composition of Several Tropical Harpacticoid Copepods</td>
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<td>Surzanne bt Mohd Agos</td>
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<td>The Effect of Thermal Bar On Distribution of Monogenean Gill Parasite On Cage-Cultured Red Hybrid Tilapia (<em>Oreochromis</em> sp.) at Kenyir Lake</td>
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<td>Mohamad Nor Azra Md Adib</td>
<td>Assoc. Prof. Dr. Mhd Ikhwanuddin Abdullah</td>
<td>Effects of 20-Hydroxyecdysone On Blue Swimming Crab, <em>Portunus pelagicus</em> Larvae</td>
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<td>Nurfaseha bt Abdul Hamid</td>
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<td>Methyl Farnesoate Stimulates Gonad Development of Blue Swimming Crab, <em>Portunus pelagicus</em></td>
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<td>Mohd Taufik bin Muhammad</td>
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<td>Development Feeding Regime Using Various Microalgae on <em>Portunus pelagicus</em> larvae</td>
<td>M.Sc (Structure A)</td>
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<td>27</td>
<td>Noor Hidayati binti Abu Bakar</td>
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<td>Gynogenesis Success in Banana Shrimp, <em>Fenneropenaeus merguiensis</em> (de Mann, 1888) through In-Vitro Fertilization</td>
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<td>Muhammad Farouk bin Harman</td>
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<td>Effect of Endocrine Hormone 17 α-hydroxyprogesterone and 17 α-hydroxypregnenolone on The Ovarian Maturation of Orange Mud Crab <em>Scula olivacea</em></td>
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<td>Noor Baiduri bt Shaibani</td>
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<td>Hybridization of Mud Crab, <em>Scula olivacea</em> (Herbst, 1796) and <em>Scylla tranquebarica</em> (Fabricius, 1798) from Wild and In Captivity: Mating Success and Sperm Assessment</td>
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<td>Wan Mohd Hafiz W. Masor</td>
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<td>Feeding Regimes of Larvae Mud Crab <em>Scula olivacea</em> Through Selective Media</td>
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<td>Nabila Mursyida bt Mohd Marzuki</td>
<td>Prof. Emeritus Dr. Faizah bt Mohd Sharoum</td>
<td>A Morphological Description of Nematode in Feather Back, <em>Chitala chitala</em> at Kenyir Lake</td>
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<td>Naimah bt Muhammad</td>
<td>Assoc. Prof Aizam Zainal Abidin</td>
<td>Infestation of Parasitic Marine Isopod in <em>Nemipterus peronii</em> at Landing Base, Pulau Kambing, Terengganu, Malaysia</td>
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<td>Mohd Faiz Mohd Zain</td>
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<td>Taxonomic Evaluation of <em>Channa</em> spp. from South and Southeast Asia</td>
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<td>Jannatul Farihah binti Zulkifli</td>
<td>Assoc. Prof Dr. Najiah Musa</td>
<td>The Effect of Fatty Acids From Crickets <em>Gryllus bimaculatus</em>, on Reproductive Performance of Broodstock Females of <em>Macrobrachium rosenbergii (de Mann)</em></td>
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<td>Wan Muna Binti Wan Ibrahim</td>
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<td>Screening Antibacterial Activity of Malaysian Herbs Against Streptococcus in Red Tilapia, <em>Oreochromis niloticus</em></td>
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<td>Hasnazifa Binti Huzmi</td>
<td>Dr. Safiah Jasmani</td>
<td>Screening Antibacterial Activity of Malaysian Medicinal Plants against Vibriosis in <em>Penaeus vannamei</em></td>
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<td>Siti Sarah Binti Che Salim</td>
<td>Prof. Emeritus Dr. Faizah bt Mohd Sharoum</td>
<td>Growth Rate of Tilapia Fingerlings (<em>Oreochromis</em> sp.) in Response to Temperature and Stocking Density Stress</td>
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<td>Nor Hazirah Binti Mohd Zuki</td>
<td>Dr. Safiah Jasmani</td>
<td>Short-term and Long-term Salinity Acclimation Effect on Stress Hormone and Blood Hematology of Tilapia (Oreochromis sp.)</td>
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<td>Ummi Nazihah Binti Abdul Rahman</td>
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<td>Physiology Effects on Giant Freshwater Prawn, Macrobrachium rosenbergii Towards Heat Shock</td>
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<td>Wan Fatin Amani Binti Wan Zulkiflee</td>
<td>Dr. Nadirah Musa</td>
<td>Effect of Low Temperature During Transportation on Reproductive Investment of Female Climbing Perch, Anabas testudineus</td>
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<td>Anida Binti Aminudin</td>
<td>Dr. Nadirah Musa</td>
<td>Effect of Clove Oil on Oocyte Maturation and Ovulation in Clarias gariepinus</td>
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<td>Qairunnisak Binti Ismail</td>
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<td>Nasorriah Binti Nasir</td>
<td>Dr. Nurul Ulfah Karim</td>
<td>Comparison of Microbiological and Chemical Quality on Tiger Grouper (Epinephelus fuscoguttatus) Between Different Ice Storage</td>
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<td>Munirah Binti Mohd Shukri</td>
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<td>Histamine Determination and Isolation of Histamine Producing Bacteria from Long Tailed Tuna (Thunnus tonggol)</td>
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<td>Madihah Binti Hashim</td>
<td>Prof Dr. Nik Hashim Nik Mustapha</td>
<td>Technical Efficiency of Sea Bass (Lates calcarifer) in Cage Culture System between East-coast and West-coast, Peninsular Malaysia</td>
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<td>Nurrul Aliaa Binti Abdul Kader</td>
<td>Prof Dr. Nik Hashim Nik Mustapha</td>
<td>Impact of Rising Feed Cost on Economic Production of Patin (Pangasius sp.) in Cage Culture System in Pahang</td>
<td>M.Sc (Structure C)</td>
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<td>Nur Ain Binti Borhan</td>
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<td>Physiology and Behavioral Responses to Hypoxia on Macrobrachium rosenbergii</td>
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<td>Noor Zahidah Binti Ahmad Sobri</td>
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<td>Histopathological Observation on Oreochromis spp. Exposed to Clove Oil</td>
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<td>Izyan Hazwani Binti Khairun Nasri</td>
<td>Prof Dr. Ir Ahmad Jusoh</td>
<td>Utilization of Artemia sp. as population control of Chlorella and Nannochloropsis sp</td>
<td>M.Sc (Structure C)</td>
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<td>Nur Hidayu Binti Abdul Razab</td>
<td>Associate Prof Dr. Hii Yii Siang</td>
<td>Ammonia Removal of Fish Feed Decomposed Seawater by Pervious Concrete</td>
<td>M.Sc (Structure C)</td>
<td>2012</td>
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<td>Nur Syazwana Binti Norazelan</td>
<td>Associate Prof Dr. Hii Yii Siang</td>
<td>Water Soluble Fraction of Hydrocarbon Filtration Using Immobilized Bacteria (Pseudomonas aeruginosa) and Pervious Concrete</td>
<td>M.Sc (Structure C)</td>
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<td>Siti Norjannah Binti Johari</td>
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<td>Phosphorus removal of Fish Feed Decomposed by Pervious Concrete</td>
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<td>Nurul Aina Syuhada Binti Mahusain</td>
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<td>E. Coli Removal Using Pervious Concrete Filter</td>
<td>M.Sc (Structure C)</td>
<td>2012</td>
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### 4. International Master Degree Students

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<td>1</td>
<td>Tran Thi Yen Nhi</td>
<td>Prof. Emeritus Dr. Faizah bt Mohd Sharoum</td>
<td>The Use of Cestodes as Indicator of Heavy Metal Pollution</td>
<td>M.Sc (Structure A)</td>
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<td>Abdul Rahman Ali Kerdasi</td>
<td>Dr. Mithun Sukumaran</td>
<td>Characterization of Freshwater Microalgae <em>Ankisteodesmus falcatus</em> (Corda)</td>
<td>M.Sc (Structure A)</td>
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<td>Baihaqi bin Mahmud</td>
<td>Prof. Dr. Anuar bin Hassan</td>
<td>Manipulasi Fototermal Terhadap Kinerja Reproduksi Ikan Kerling (<em>Tor</em> sp.)</td>
<td>M.Sc (Structure A)</td>
<td>2012</td>
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<td>Tran Nguyen Duy Khoa</td>
<td>Prof. Emer. Dr. Faizah bt Mohd Sharoum</td>
<td>Distribution and Treatments of Major Crustacean Parasites of Freshwater and Brackish Water Fish in Malaysia</td>
<td>M.Sc (Structure A)</td>
<td>2012</td>
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Appendix 4: Other Responsibilities and Duties

A. Lecturer and Staff Associated to other Professional Bodies

- **Prof. Dr. Anuar Hassan**
  1. Member – Malaysian Fisheries Society
  2. Member - Bulletin of the Japanese Society of Scientific Fisheries
  3. Japanese Government Scholarship (MUMBUSHO) alumni

- **Assoc. Prof. Dr. Mhd. Ikhwanuddin @ Polity Abdullah**
  1. Member – Asian Fisheries Society

- **Prof. Emeritus Dr. Faizah Shaharom**
  1. Member – Malaysian Fisheries Society
  2. Member of Malaysian Parasitology and Tropical Medicine
  3. Member – MINDS (Malaysian Invention & Design Society)
  4. Life Member – Malaysian Society for Microbiology
  5. Member of Malaysian Applied Biology
  6. Member of Malaysian Society of Marine Science
  7. Member – Asian Fisheries Society Professional Bodies
  8. Member – World Aquaculture Society
  9. Member of British Society of Parasitology

- **Assoc. Prof. Aizam Zainal Abidin**
  1. Lifetime member – Association of Applied Biology
  2. Lifetime member – Malaysia and Asian Fisheries Biology

- **Dr. Safiah Jasmani**
  1. Member of The Japanese Society of Fisheries Science

- **Dr. Mithun Sukumaran**
  1. Member of Malaysian Fisheries Society
  2. Live DNA (Score 91.1460)
  3. Conservation research group, St. Albert’s College, Cochin, Kerala, India

- **Norainy Mohd Hussin**
  1. Lifetime member of Persatuan Genetik Malaysia
  2. Member of Malaysian Nature Society (MNS)

- **Fara Nor Asmira Jastan**
  1. Golden Key International Honour Society, UMT Chapter

- **Azmie Ghazali**
  1. Golden Key International Honour Society, UMT Chapter

- **Mohd Ihwan Zakariah**
  1. Electron Microscopy Society Malaysia (EMSM)
• **Wahidah Wahab**
  1. Electron Microscopy Society Malaysia (EMSM)

F. **AKUATROP Lecturers Appointed As Advisor / Consultant For Community, Private And Government Agency**

• **Prof. Dr. Anuar Hassan**

• **Assoc. Dr. Mhd. Ikhwanuddin @ Polity Abdullah**
  1. Develop Standard Malaysia (MS) related to fisheries and aquaculture sector—Fisheries and aquaculture industries / SIRIM Berhad (Representative).
  2. Aquaculture project development in Terengganu—Farmers and fishermen / Department of Fisheries (Advisor).
  3. Aquaculture project development in Sarawak—Local fishermen / Lembaga Kemajuan Tanah Sarawak (Advisor).
  4. Perunding cadangan projek ternakan lobster Blue Archipelago Sdn Bhd, Khazanah Nasional (GLC).
  6. AJK Teknikal ‘Pembangunan projek ternakan ketam berkutil lembut’, Unit Perancangan Ekonomi (EPU), Negeri Terengganu

• **Prof. Emeritus Dr. Faizah Shaharom**
  2. Kembang Subur Sdn. Bhd. – Projek Pengeluaran Ikan Pompano (penasihat)
  4. KIDIK Sdn. Bhd. (penasihat)
  5. Easternseas Sdn. Bhd. (penasihat)
  7. Universiti Malaysia Pahang (penasihat)
  8. Heritage Farm Sdn. (penasihat)

• **Dr. Anil Kumar Chatterji**

• **Prof. Dr. Anuar Hassan**

• **Assoc. Prof. Aizam Zainal Abidin**

• **Dr. Mithun Sukumaran**
  1. Diurnal variation for the water intake system and different culture projects associated with aquaculture. Ain Aquaculture, Kota Bharu, Kelantan.
Appendix 5: Human Resources Development

A. Soft Skill and Society Activities

B. Workshop / Practical / Courses Participation by AKUATROP Staffs Organized By UMT
   • January
     1. Taklimat Permohonan Geran Kementerian Pengajian Tinggi (KPT), UMT
        (02/01/2012 - 02/01/2012)
     2. Konvensyen Kumpulan Inovatif dan Kreatif (KIK) UMT Kali Pertama,
        Auditorium Mahyuddin, FPE, UMT
        (04/01/2012)
     3. Latihan Penggunaan Peralatan Multimeter, Makmal Kejuruteraan Akuakultur & Analisis Dan Kualiti Air,
        UMT
        (10/01/2012 - 10/01/2012)
     4. Talk On Copepode In Aquaculture, Auditorium INOS, UMT
        (26/01/2012 - 26/01/2012)
     5. Taklimat Sistem Pengurusan Aset bagi Pegawai Penerima Aset di PTJ, Bilik Latihan Multimedia, PSNZ
        (30/01/2012 - 30/01/2012)
     6. Taklimat Sistem Pengurusan Aset bagi Pegawai Aset di PTJ
        (31/01/2012 - 31/01/2012)
   • February
     1. Taklimat Sistem Pengurusan Aset Secara Web Base Kepada Warga UMT
        (01/02/2012 - 01/02/2012)
     2. Pameran Antarabangsa, Dawn Education Expo di Islamabad Pakistan
        (02/02/2012 - 09/02/2012)
     3. Taklimat Sistem Pengurusan Aset Secara Web Base Kepada Warga UMT
        (09/02/2012 - 09/02/2012)
     4. Taklimat Pendedahan Awal Kaedah Pembelajaran Berpusatkan Pelajar (SCL), Auditorium Mahyudin, FPE
        (13/02/2012 - 13/02/2012)
     5. Taklimat Zakat Satu Kewajipan, Auditorium PSNZ, UMT
        (13/02/2012)
     6. Taklimat Sistem Pengurusan Aset bagi Urusetia Sistem di PTJ, Makmal Aplikasi Kompleks Kuliah, UMT
        (14/02/2012 - 14/02/2012)
     7. Taklimat Pendedahan dan Penggunaan ICT, Makmal Aplikasi, Kompleks Kuliah, UMT
        (20/02/2012)
     8. Ceramah "Garam Dan Gula Dalam Kehidupan", Auditorium PSNZ
        (22/02/2012 - 22/02/2012)
     9. Taklimat Cuti, Auditorium Inos-Akuatrop, UMT
        (22/02/2012)
        (27/02/2012 - 29/02/2012)
• **March**
  1. Inland Fish Culture In Hungary : Successes And Failures Of Our Common Carp
     Audi Inos, Auditorium Inos, UMT
     (11/03/2012)
  2. Workshop On Gynogenesis In Fish, Hatcheri Air Tawar Akuatrop, UMT
     (12/03/2012)
  3. Persidangan Kebangsaan Pentadbiran Organisasi (PKPO) 2012
     (13/03/2012 - 15/03/2012)
  4. Kesan-Kesan Kosmetik Terhadap Pengguna, Auditorium PSNZ, UMT
     (14/03/2012 - 14/03/2012)
  5. Bengkel Perancangan Cukai Individu
     (21/03/2012 - 21/03/2012)
  6. Seminar Keibubapaan Dan Pendidikan Awal Kanak-Kanak, Auditorium PSNZ, UMT
     (22/03/2012)

• **April**
  1. Taklimat Sistem Pengurusan Aset Bagi Pegawai Pengesah Pendaftaran Dan Pinjaman Aset
     (03/04/2012 - 03/04/2012)
  2. Taklimat Sistem Pengurusan Aset Bagi Pegawai Penyelidik UMT
     (03/04/2012 - 03/04/2012)
  3. Kursus Keselamatan Dan Kesihatan Di Tempat Kerja, Dewan Jamuan DSM, UMT
     (04 – 05/04/2012)
     Seminar Hak-Hak Pencaruman Kwsp, Auditorium Inos
     (09/04/2012)
  4. Taklimat Daripada RSYS Geoanalytic Solution
     (17/04/2012 - 17/04/2012)
  5. A Seminar For Microbiologists, Chemist, Medical Technologists And Industrial Hygienists, Bilik Mesyuarat
     Akuatrop, UMT
     (18/04/2012 - 18/04/2012)
  6. Seminar Sehari E-Pembelajaran 2012, Dewan Sultan Mizan, UMT
     (29/04/2012 - 29/04/2012)

• **May**
  1. Seminar Kepimpinan dan Pembangunan Organisasi, Auditorium Mahyudin, FPE
     (02/05/2012)
  2. Seminar Pinjaman Perumahan Kerajaan, Auditorium PSNZ, UMT
     (15/05/2012)
  3. Biotech Workshop On LC Operation And Maintainence
     (21/05/2012 - 24/05/2012)
  4. Bengkel Pemurnian Fail Meja Akuatrop 2012, Bilik Gerakan HEPA, Kompleks Siswa, UMT
     (29/05/2012 - 29/05/2012)
  5. Sesi Kedua Pembentangan Pegawai Program Sangkutan Luar Negara, Auditorium Mahyudin, FPE
     (31/05/2012 - 31/05/2012)

• **Jun**
  1. Seminar Kesedaran Terhadap Gangguan Seksual Di Tempat Kerja, Auditorium PSNZ, UMT
     (13/06/2012)
  2. Seminar Mencegah Kebakaran, Auditorium Inos/Akuatrop, UMT
     (20/06/2012)
(24 – 05/07/2012)

- **July**
  1. Seminar Palestin Bumi Berdarah, Auditorium PSNZ
     (04/07/2012 - 04/07/2012)
  2. Agilent Technologies Seminar For Advanced Analytical Instruments, Auditorium Inos, UMT
     (09/07/2012 - 09/07/2012)
     (12/07/2012 - 12/07/2012)
  4. Demo Modul Keputusan Peperiksaan, Pusat Teknologi Maklumat, UMT
     (25/07/2012 - 25/07/2012)

- **August**
  1. Tazkirah Ramadhan Akuatrop 2012, Bilik Mesyuarat Akuatrop, UMT
     (01/08/2012 - 01/08/2012)

- **September**
  1. Program Sangkutan Luar Negara Sesi Ke 2012
     (08/09/2012 - 21/09/2012)
  2. Ujian Rintis E-Kenderaan, Makmal Komputer Kompleks Kuliah, UMT
     (12/09/2012 - 12/09/2012)
  3. International Seminar On Effect Of Climate Change On Aquatic Ecosystem And Future Planning For Sustainable Aquaculture, Auditorium INOS
     (17/09/2012 - 18/09/2012)
  4. Bengkel Pemantauan Laman Web PTJ UMT
     (18/09/2012 - 19/09/2012)
  5. Revealing Scientific Journal Writings Skills Workshops
     (19/09/2012 - 19/09/2012)
  6. Bengkel Penulisan Artikel Akademik, Dewan Jamuan DSM, UMT
     (23/09/2012 - 23/09/2012)
  7. Ceramah Program Bulan Membaca 2012: Kesan Kepada Pembentukan Komuniti Kampus Berilmu, Auditorium PSNZ, UMT
     (25/09/2012 - 25/09/2012)

- **October**
  1. World Cultural Diversity Day
     (08/10/2012 - 08/10/2012)
  2. Kursus Protokol dan Etika, Hotel Felda Residence, Kuala Terengganu
     (10-11/06/2012)
  3. Pembentangan Berkenaan Dalhousie University Dan Peluang Penelitian Oleh Prof. Dr. Thomas Mcrae, Bilik Seminar INOS, UMT
     (11/10/2012 - 11/10/2012)
  4. Seminar Pembahagian Harta Pusaka, Auditoium INOS
     (11/10/2012)
  5. Seminar Pengajian Siswa Siswa, Auditorium Inos
     (15 – 16/10/2012)
     (16/10/2012 - 16/10/2012)
7. Workshop Application Of Molecular Biology In The Research Of Marine Organism: Proteomics, Subtractive Hybridization And Other Methods, Bilik Mesyuarat RMIC (16/10/2012 - 16/10/2012)
8. Edutalks: Teaching and Learning in Higher Education (Prof Keith Trigwell, Uni. of Sydney) (22/10/2012 - 22/10/2012)
10. Seminar Keselamatan Perlindungan Pejabat, Auditorium Inos, UMT (24/10/2012)
11. Seminar Keselamatan Kunci Bilik Seminar Inos/Akuatrop, UMT (31/10/2012)

• November
2. Bengkel Pemurnian Peraturan Program Pengajian Pasca Siswazah Struktur Kerja Kursus (08/11/2012 - 10/11/2012)
4. Seminar Jabatan Keselamatan Jalan Raya, Auditorium Inos/Akuatrop, UMT (27/11/2012)

• Disember
1. Taklimat Persediaan Peperiksaan Bayaran Incentive Tugas Kewangan, Bilik Seminar Inos (03/12/2012)
2. Seminar Pengurusan Kewangan - Tuntutan Perjalanan dan SPA Web Base (TLM78) Auditorium Inos, UMT (06/12/2012)
3. Kursus Penyambut Tetamu UMT (12/12/2012 - 13/12/2012)
5. Taklimat Perdana Geran-Geran KPT Fasa 1/2013 (FRGS,ERGS,PRGS), Auditorium Mahyuddin, FPE (19/12/2012 - 19/12/2012)
6. Aquaculture Talk Series 1/2012, Auditorium INOS (20/12/2012 - 20/12/2012)
7. Bengkel Program/Aktiviti Tahun 2013, Kompleks Kuliah Berpusat, UMT (20/12/2012 - 20/12/2012)
8. Taklimat Kesihatan (Kekal Sihat Sepanjang Hari), Auditorium Inos/Akuatrop, UMT (23/12/2012)
C. **Workshop / Practical / Courses Participating by AKUATROP Staffs Organized by Other Institutions or Agencies**

- **January**
  1. Bengkel Pengukuhan Kumpulan Inovatif dan Kreatif (KIK) IPTA 2012, Hotel Renaissance, Kota Bharu, Kelantan, 05 – 07/01/2012
  2. Kursus Pengurusan Aduan Pelanggan, Renaissance Hotel, Kota Bharu, 05 – 07/01/2012
  3. Joint Research Project on Fish Taxonomy and Diversity in Malaysia, Kagoshima, Japan, 20 – 27/01/2012

- **February**
  1. Kursus Pengurusan Aset dan Stor, Hotel Felda Residence, Kuala Terengganu, 01-02/02/2012

- **March**
  1. Bengkel Penilaian Prestasi Dan Pelan Strategik Penyelidikan Akuatrop, Langkawi, Kedah, 01-03/03/2013
  3. Inland Fish Culture In Hungary : Successes And Failures Of Our Common Carp, Auditorium Inos (11/03/2012)
  4. Persidangan Kebangsaan Pentadbiran Organisasi (PKPO) 2012, Hotel Permai, Kuala Terengganu, 13 – 15/03/2012
  5. Kursus Pembenihan Ikan Air Tawar, Pusat Latihan Pengembangan Perikanan Perlok, Jerantut, Pahang, 18/03/2012 - 26/03/20, Perlok, Jerantut, Pahang
  6. Bengkel Pemurniaan Bidang Pengajian Program Pasca Siswazah, Umt, Gem Beach Resort, Batu Rakit, Kuala Terengganu, 19/03/2012
  7. Kursus Pemahaman Dan Pelaksanaan Iso, Hotel Tanjong Vista, Kuala Terengganu, 19 – 20/03/2012

- **April**
  1. A Workshop On Application, Maintenance And Trouble-Shooting Of Ion Chromatography Instrumentation 2012, School of Chemical Sciences & Food Technology, Faculty of Science & Technology,UKM, School of Chemical Sciences & Food Technology, Faculty of Science & Technology,UKM, 18/04/2012 - 19/04/2012,
  2. Kursus Asa Keusahawanan, Hotel Grand Continental, Kuala Terengganu, 18 – 19/04/2012

- **May**
  1. Kursus Pelupusan, Kehilangan Dan Hapus Kira (Fin41) Sumai Suite Hotel, Kuala Terengganu, 15/05/2012
  2. Seminar On Aquaculture Technology, Malaysian Fisheries Society, 19/05/2012 - 19/05/2012, Crowne Plaza Mutiara, Kuala Lumpur
  3. Kursus Esteem Diri dan Kerjaya, Dewan Jamuan, DSM, Universiti Malaysia Terengganu, 20 – 21/05/2012
  4. Bengkel Setiausaha Super!, UTMSpace, 21/05/2012 - 22/05/2012, Hotel Quality City Centre, Kuala Lumpur

- **Jun**
  1. Kursus Protokol dan Etika, Hotel Felda Residence, Kuala Terengganu, 10-11/06/2012
  2. Bengkel Kumpulan Inovatif dan Kreatif Kali 1/2012, Hotel Grand Continental, Kuala Terengganu, 10 – 11/06/2012
- **July**
  2. Kursus Pengurusan Risiko Dalam Pengurusan Modal Insan, Ri-Yaz Heritage Marina Resort & Spa, Kuala Terengganu, 18 – 19/07/2012

- **Ogos**

- **September**
  1. Program Sangkutan Luar Negara Sesi Ke 2012, University Nagasaki, Jepun, 08 – 21/09/2012

- **October**
  1. Program UV Workshop 2012, Fisher Scientific (M) Sdn Bhd, 10/10/2012 - 11/10/201, Makmal Keselamatan & Kualiti Makanan Di Bukit Tunggal
  2. Seminar Pasca Perkahwinan Keluarga Bahagia, Dewan Quinara Al Safir Resort, Kolej Inforana, Kuala Terengganu, 23/10/2012

- **November**

- **Disember**
  1. International fisheries symposium 2012, Vietnam, 06 - 08/12/2012
  2. Kursus Penyambut Tetamu UMT, Ulek Beach Resort, Dungun, Terengganu, 12 – 13/12/2012
Appendix 6: Awards and Achievements

A. International

**Liew Hon Jung**
1. SEB Travel Grant, Society for Experimental Biology, The Company of Biology, United Kingdom (100,000 pound)

B. Universiti Malaysia Terengganu (UMT)

**Prof. Dr. Anuar bin Hassan**
1. Excellent-in-Service Award, Universiti Malaysia Terengganu, 2012, University

**Dr. Anil Chatterji**
1. Silver Medal in Inovasi@UMT’ 2012 for a prototype of a re-circulating aquaculture system
3. A Simple Technique for Chromosome Preparation from Embryonic Tissues of teleosts for Ploidy Verification, Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012
4. Effects of different environmental parameters on the respiratory metabolism of the larvae of Malaysian horseshoe crab, Tachypleus gigas (Müller), Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012
5. Oxygen Consumption in Juveniles of Tiger Shrimp, Penaeus Monodon (Fabricius) under Different Environmental Conditions, Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012

**Prof. Dr. Anuar bin Hassan/ Dr. Anil Chatterji**
1. A Re-circulating Multipurpose Fish Egg Incubator, Anugerah Produk dan Inovasi Penyelidikan, Majlis Malim Ilmu 2012
2. Technique of Triploidy Induction for Enhancing Growth in Fishes, Anugerah Produk dan Inovasi Penyelidikan, Majlis Malim Ilmu 2012
3. Identification of diploid and triploid red tilapia by using erythrocyte indices, Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012

**Prof. Dr. Anuar bin Hassan/ Dr. Anil Chatterji/ Mithun Sukumaran**
1. Preliminary study on the feeding regime of laboratory reared Mud Crab lavea, Scylla serrata (Forsskal, 1775), Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012
2. Effect of probiotics on growth performance of juvenile Brown Marbled Grouper, Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012
Dr. Mhd Ikhwanuddin @ Polity Abdullah
1 Pathogenicity and Antibiotic Sensitivity of Pathogenic Flora Associated with the Gut of Blue Swimming Crab, Portunus Pelagicus (Linnaeus, 1857), Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012.

2 Improved Hatchery-Rearing Techniques for Juvenile Production of Blue Swimming Crab, Portunus pelagicus (Linnaeus, 1758), Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012.

3 Biological Information and Population Features of Mud Crab, Genus Scylla from Mangrove Areas of Sarawak, Malaysia, Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012.

4 A Novel of Gut Pathogenic Bacteria of Blue Swimming Crab Portunus pelagicus (Linnaeus, 1758) and Pathogenicity of Vibrio harveyi a Transmission Agent in Larval Culture under Hatchery Conditions, Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012.

5 Supplementation of Indigenous Lactobacillus Bacteria in Live Prey and Water Additive to Larviculture of Portunus pelagicus (Linnaeus, 1758), Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012.


7 Fecundity of Blue Swimming Crab, Portunus Pelagicus Linnaeus, 1758 From Sematan Fishing District, Sarawak Coastal Water Of South China Sea, Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012.

8 Excellent-in-Service Award, Universiti Malaysia Terengganu, 2012, University

Dr. Mhd Ikhwanuddin @ Polity Abdullah/ Dr. Safiah Jasmani
1 Assessment of Sperm Viability, Determination Fertilization Capacity and Hatching Rate by Artificial Insemination of Banana Shrimp, Penaeus Merguiensis (De Man, 1888), Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012.

Prof. Emeritus Dr. Faizah Mohd Sharoum
1 Excellent-in-Service Award, Universiti Malaysia Terengganu, 2012, University

Prof. Emeritus Dr. Faizah Mohd Sharoum/ Dr. Anil Chatterji
1 A study on the energy source in the developing embryo of the mangrove horseshoe crab, Carcinoscopius rotundicauda (Latreille), Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012
Prof. Emeritus Dr. Faizah Mohd Sharoum/ Dr. Anil Chatterji/Mithun Sukumaran

1 Trend in Ammonia Excretion During Acclimatization of Freshwater Red Hybrid Tilapia (Oreochromis mossambicus (Peter, 1852) X Oreochromis Niloticus (Linnaeus,1758) in Different Salinities, Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012

Dr. Mithun Sukumaran

1 Unravelling a 146 Years Old Taxonomic Puzzle: Validation of Malabar Snakehead, Species-Status and Its Relevance for Channid Systematics and Evolution, Anugerah Artikel Jurnal Berwasit, Majlis Malim Ilmu 2012

Appendix 7: Publications

A. Number of publications in indexed journal/ impact factor journal. (SCOPUS/ISI/SCI/SSCI/Al).


2 Ali Muhammad Mastoi, Mithun Sukumaran, Anila Mastoi, Anuar Hassan and Anil Chatterji. 2012. A comparison in lysozyme activity between oyster (Saccostrea cuccullata; Born, 1778) and seaweed (Sargassum baccularia; Mertens) collected from Peninsular Malaysia. Journal of Coastal Environment, 3 (1). No. IF


7 Leaw Yoon Yau, Faizah Shaharom, Anil Chatterji & Kua Beng Chu (2012). Prevalence, mean intensity and site preference of Caligus rotundigenitalis Yu, 1933 (Copepoda: Caligidae) on cultured crimson snapper (Lutjanus erythropterus Bloch, 1790) from Bukit Tambun, Penang, Malaysia. Veterinary Parasitology, 181: 505-510

48
Leaw Yoon Yau, Faizah Shaharom, Anil Chatterji, Faizul Helmi & Beng Chu Kua (2012). Infection susceptibility of adult Caligus rotundigenitalis parasite on six species of marine finfishes cultured in cages in Penang, Malaysia. Asian Fisheries Science (accepted)


Talpur, A.D., Ikhwanuddin, M., (2012), First isolation of Vibrio probiotics from the gut of Portunus pelagicus (Linnaeus 1758) and its probiotic competency against shellfish pathogens, Pure and Applied Biology, Vol 1(2) : 28-32


Yoon Yau Leaw, Shaharom Faizah, Chatterji Anil, & Beng Chu Kua 2012. Prevalence, mean intensity and site preference of Caligus rotundigenitalis Yu, 1933 (Copepoda: Caligidae) on cage cultured


Modu, B. M., M. F. Saiful, M. Kartini, Zaleha Kassim, Marina Hassan and F. M. Shaharom-Harrison. 2012 . Spatial Distribution of Monogenean and their Prevalence in Two Freshwater Fish Species in Relation to some Physico-chemical Parameters of Lake Kenyir, Malaysia. Journal of Sustainability


Choong FC, Shaharom F, Bristow GA & Kua BC. (2012). Infection of Apicomplexan parasite Nematopsis spp. in wild giant freshwater prawn, Macrobrachium rosenbergii in Malaysia. (Crustacea) accepted and in press.


B. Number of publications in referred proceedings.

1 Azmie, G.M., Nur Farhana, M.J., Abol-Munafi, A.B. and Ikhwanuddin, M. (2012), Species Composition and Biological Information of Mud Crab, Genus Scylla from Johor Coastal Water, Malaysia, International Seminar on Marine Science & Aquaculture, 12/03/2012, 15/03/2012, Kota Kinabalu, Sabah

3 Z. Siti Nor Fatihah, A. H. Nur Faseha, A. M. Muhammad Effenddy, A. Siti Aishah and M. Ikhwanuddin. (2012), Effect of Temperature on the Embryonic Development of Mud Spiny Lobster, Panulirus polyphagus, UMT 11th International Annual Symposium on Sustainability Science and Management, 09/07/2012, 11/07/2012, Terengganu


8 H. Nur Faseha, Z. Siti Nor Fatihah, Z.Z Tira, A. Ahmad Shamsudin and M. Ikhwanuddin (2012), Effect of Salinity on Ovarian Development of Mud Spiny Lobster, Panulirus polyphagus., UMT 11th International Annual Symposium on Sustainability Science and Management, 09/07/2012, 11/07/2012, Terengganu


10 D. Siti Zuriati, M. Ikhwanuddin, A. B. Abol-Munafi and J. Safiah (2012), Effect of Prebiotics on Growth and Survival Rate of Pacific White Shrimp, Litopenaeus vannamei Postlarvae Cultured at Low Salinity., UMT 11th International Annual Symposium on Sustainability Science and Management, 09/07/2012, 11/07/2012, Terengganu


15 Siti Nor Fatihah, Z., Nurul Syazwani, M., Safiah, J. And Ikhwanuddin, M (2012), *Effects of 17α-Testosterone Undercoate on the Quality of Mud Spiny Lobster, Panulirus polyphagus (Herbst, 1793)*, International Seminar on Marine Science & Aquaculture, 13/03/2012, 15/03/2012, Kota Kinabalu, Sabah


C. Other publications that impacts the government/society/policy such as newspaper articles, newsletter, proceedings and etcetera.

1 Biological activities in horseshoe crabs, *Tachypleus gigas* (Müller) and *Carcinoscorpius rotundicauda* (Latreille). Ismail, N., Nadjari, F. Izzatul Huda, A.G., Nazeerah, A. R. Taib, M., Chatterji, A. and. Shamsuddin, A.


4 A new record on the formation of thermal bar in a manmade Lake Kenyir of Malaysia - an unusual phenomenon of climate change. International journal of Environmental Research. Anil Chatterji, Mithun Sukumaran, Muhammad Haniff Mohd Yosoff, Anuar Bin Hasan and Faizah Shaharom