

# Summia Perveen

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**Profile: Ph.D** in Aquaculture (In Progress) with extensive research experience in the field of Fisheries and aquaculture nutrition and Physiology. Current research interest includes the immunity and Parasites of Crab species and also working on complete mitochondrial sequencing of ciliates species.

## Brief summary

A Master of Philosophy (**M. Phil**) degree in Zoology (Investigation of Growth performance, body composition and stress responses in *Pangasius hypophthalmus* in polyculture system)

5 years' experience of **field work** (collection and survey of fisheries data)

More than 5 years' experience of using **several statistical analysis softwares**

**Publications:** Experience of writing scientific results for publications.

**Excellent verbal and communication skills:** Since 2012, presenting scientific research at international conferences e.g. **International Fisheries and aquaculture Conference (IFAC) 2015, 2016 and 2017.**

Ability to work **under pressure** and deliver on **deadlines**

| Education               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| 2018-2021               | <b>Ph.D in Aquaculture (In Progress)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 2014-2016               | <b>Master of Philosophy (M. Phil) in Zoology, University of Veterinary &amp; Animal Sciences (UVAS), Lahore, Punjab, Pakistan (CGPA 3.96/4.0)- Medallist</b><br><u>Supervisor:</u> Dr Noor Khan, Dr Fayyaz Rasool<br><u>Thesis title:</u> <i>Growth Potential, body composition and stress responses in Pangasius hypophthalmus production when cultured with Indian and Chinese carps</i>                                                                                                                                                                                                                                                                                                                                         |
| 2012- 2014              | <b>MSc in Zoology, Bahauddin Zakriya University, Multan, Pakistan (CGPA 3.33/4.0)</b><br><u>Thesis title:</u> <i>Stress responses of Indian and Chinese carps in composite culture system</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2010- 2012              | <b>B.Sc., Bahauddin Zakriya University, Multan, Pakistan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Scholarships/Awards     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2017                    | Awarded medal for achieving highest marks during M.Phil., UVAS, Pakistan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 2015-2016               | Awarded Chief Minister Scholarship (Laptop and cash prize) for best academic performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 2014-2016               | UVAS merit scholarship, Pakistan, awarded each year for excellent academic performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Professional Experience |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Research experience     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| October 2012- present   | <b>MPhil, University of Veterinary &amp; Animal Sciences (UVAS), Pakistan</b><br>Investigation of " <i>Growth potential, body composition and stress responses in Pangasius hypophthalmus production when cultured with Indian and Chinese carps</i> ". In this study we have replaced monoculture with polyculture in order to minimise the cost of aquaculture production and also to maximize the survival and fish yield. This was done by mixing the <i>Pangasius</i> with the mixed culture of Indian and Chinese carps which led to 39% enhancement in the final weight gain of <i>Pangasius</i> and 49% enhancement in the final weight gain of common carp within a just 90 days. This was due to better feed composition |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <p>as well as proper utilization of all natural and supplementary feed. Our study shows minimum stress and lower ash content which are consistent with over final growth and final fish production. We have also found comparatively better Feed conversion ratio (FCR) and specific growth rate (% SGR) compared to previous studies.</p> <p>The outcomes of my research have led to 2 scientific publications</p> <p>Preparation of several reports for collaborators.</p> |
| <b>Technical Skills and knowledge</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <p>Expert in handling feeding habits of different fish species</p> <p>Familiar with the animal and other species behavioural characteristics</p> <p>Well trained to look after the research work; perform the daily work of fish management, research etc.</p> <p>Familiar and expert in identifying the various plant species</p> <p>Capable of monitoring several species of fish and researching about their behaviour</p> <p>Competent in MS-Access, MS-Excel and other MS-Office software packages</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Additional training</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <p>Participated in 5th international fisheries symposium at UVAS, Lahore</p> <p>Attended and received a certificate for a seminar of "World Fisheries Day" held on November 24,2015 at UVAS, Lahore</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Extra-curricular activities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <p>Merit certificate on intervarsity women cricket championship 2011-2012 held at Quaid-e-Azam University, Islamabad</p> <p>Certificate of participation in the third solidatory games, 2012 held at Raheem Yar Khan</p> <p>Certification of participation in chief minister's Punjab festival sports</p> <p>Certificate of participation on 6th international fisheries symposium</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Publications</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <ol style="list-style-type: none"> <li><b>S. Perveen</b>, N. Khan, F. Rasool, A. Rasheed, M. S. Mughal, K. J. Iqbal, H. Azmat, K. M. Anjum, S. Dogar, S. Nazir, S. Bano, <i>Growth potential, body composition and stress responses in Pangasius hypophthalmus when cultured with Indian and Chinese carps</i>, <b>Submitted to Aquaculture (under revision)</b>. <i>copy of manuscript can be provided upon request</i></li> <li>A. Khawar, N. Khan, M. S. Mughal, F. Rasool, H. Azmat, K. J. Iqbal, S. Dogar, S. Nazir, <b>S. Perveen</b>, S. Bano, H. Waris, T. Yaqoob, <i>Comparison of traditional (rice polish) and commercial aquafeed on the growth, body composition and water quality parameters of Indian and Chinese carps in composite culture system</i>(<b>Published</b>)</li> <li>M. Khalil, S. Perveen, H. azmat, I. Khalid. Studies on the effectiveness of silver Nanoparticles for the Treatment of Abdominal dropsy in <i>labeo rohita</i> (<i>In Preparation</i>)</li> </ol> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>References</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <ol style="list-style-type: none"> <li><b>Dr. Noor Khan</b><br/>Department of Fisheries and Aquaculture<br/>University of Veterinary &amp; Animal Sciences<br/>Lahore, Pakistan<br/>Email: <a href="mailto:noorkhan@uvas.edu.pk">noorkhan@uvas.edu.pk</a><br/>Phone: +923004929621</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ol style="list-style-type: none"> <li><b>Dr. Fayyaz Rasool</b><br/>Department of Fisheries and Aquaculture<br/>University of Veterinary &amp; Animal Sciences<br/>Lahore, Pakistan<br/>Email: <a href="mailto:fayyazrasool@uvas.edu.pk">fayyazrasool@uvas.edu.pk</a><br/>Phone: +92 333 6620852</li> </ol>                                                                                                                                                                  |