

**ECONOMIC VIABILITY OF THE CARP FISH  
FARMING AND ITS IMPACT ON THE LIVING  
STANDARD**

**(A CASE STUDY OF SELECTED DISTRICTS OF NWFP, PAKISTAN)**

**BY**

**SIR. BILAND KHAN**  
Ph.D. Research Scholar



**DEPARMENT OF ECONOMICS  
UNIVERSITY OF PESHAWAR,  
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**In Partial Fulfillment of the Requirements For The Award Of Degree Of  
Doctor Of Philosophy In Economics**

**Supervised By**  
**DR. JEHANZEB**

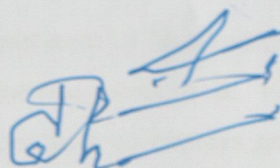
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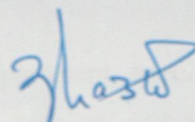
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Supervisor



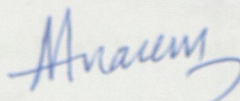
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## ABSTRACT

The study related to Economic viability of Carp Fish Farming and its impact on the living standard of the inhabitants in the selected Districts of KP. Due to the growing population and increased home construction on agricultural land, the need is felt to give a serious attention to fish farming. Production and consumption of fish meet the needs of food and nourishment, also it is the primary source of income for the people attached with fish farming, and this thesis will focus on various issues related to fish farming. The main objective of the study were to analyze benefit of fish farmers, to see its viability by using NPV, BCR and IRR criteria and to estimate the MPPpa and MPPk. For the purpose of this study, The population is divided in three zones. Zone-I, i.e. "Peshawar Valley", including Mardan, Sawabi, Charsadda and Nowshera districts, Zone-II, i.e. all districts to North of Peshawar valley including Chitral, Dir, Malakand, Swat, Bunir, Mansehra and Haripur districts. Zone-III comprised of districts on the south of Peshawar Valley, that is Kohat, Bannu, LakkiMarwat, D.I. Khan and FATA. For this purpose a study of 60 fish farms i.e. 35 from Zone I(Mardan&Charsada Districts), while 25 from Zone III ( Kohat and D.I.Khan Districts) were selected by using purposive sampling technique. And two districts from each stratum(Zone) were selected purposively on the basis of maximum number of the CARP fish farms.

The study reveals that the output elasticity of pond area was 0.68 on all farms, which was relatively higher than the output elasticity of Capital (i.e.0.59), where capital also includes the cost of fries purchased. This model suggested that area under pond plays a vital role in the output of carp fish.

The study concludes that this enterprise is a viable enterprise( Having NPV of +13991, BCR is 1.03 and IRR of 12.67% > 12%) and plays a vital role in poverty reduction , minimizing unemployment and changing the living standard of fish farmers in particular and of Khyber Pakhtunkhwa in general.

Key words: Fish Farms, NPV, BCR, IRR, MPPL, MPPk , etc.

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