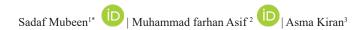


Volume 19.1 48-64 (2023)

DOI: 10.46745/ilma.jbs.2023.19.01.04



Socio-economic empowerment of women with Sustainable Development Goal 05, and Pakistan's commitment (Sindh): An assessment



Abstract

In the Sindh province of Pakistan, the study examines the variables that affect women's empowerment in terms of household decision-making. The term "women's empowerment" simply refers to giving women the means to achieve social and financial independence. The degree of control individuals have over outside factors that have an impact on their wellbeing is referred to as empowerment. Economic growth is boosted by women's empowerment, which results from investments in their health and education. Rural areas are home to the majority of the population's females. By improving the health and education of future generations, educated and empowered women in these places can either directly or indirectly contribute to economic prosperity. The household purchase is unaffected by the husband's educational background. Women who are employed are more likely to make decisions than those who are unemployed. There is a direct correlation between the number of sons, marital violence, and living conditions and major household purchases. Decisions about property ownership are closely related. This study shows that having a job, a source of income, a higher education, a mother who has a higher degree, owning property in her name, having more mobility, and feeling empowered increases women's domestic earning capacity. There are specific policy alternatives provided for developing economies.

Keywords: PDHS 2017-18; Sindh; employment; sustainable development; education

GEL: M5, Q01, 123

Author's Affiliation:

Institution: National College of Business Administration and Economics Lahore 1-2 | Shah Abdul Latif

University³
Country: Pakistan

Corresponding Author's Email: *sadaf.mubeengcu@yahoo.com

The material presented by the author(s) does not necessarily portray the view point of the editors and the management of the ILMA University, Pakistan.

(Online) 2409-6520 (Print) 2414-8393, published by the ILMA University, Pakistan.

This is open access article under the license. https://creativecommons.org/licenses/by/4.0/

1. INTRODUCTION

The dynamic process of empowering women is influenced by economic, sociological, familial/interpersonal, legal, political, and psychological issues. Assessment of women's empowerment presents some challenges. Some of these problems have been deemed to be particularly important by the literature, such as the use of proxy indicators rather than direct measurements, the lack of data availability and use over time, the individualised nature of the evaluation process, and changes in the relevance of indicators over time. Nyelele, C., Egoh, B. N., & Manley, K. 2022The topic of women's economic and social empowerment has been given great emphasis in several countries. In addition, the Sustainable Development Goals are intended to improve women's empowerment and gender equality. Since the inability to meet basic needs frequently rules out the inability to make important decisions, this trend is drawing more attention given the positive logical relationship between poverty and disempowerment (Mirziyoyeva, Z., & Salahodjaev, R. (2022).

As a notion, women's empowerment implies providing a setting in which women may make wise decisions about their lives in a given circumstance (Leder, S. 2016). Quantifying the notion has never been easy due to its broad scope. As a result of this paradox, numerous studies have established multiple conceptualization methodologies and metrics to evaluate the complex notion (Kabeer, N. 2014; Mubeen, S et al., 2019). Cultural norms, social standing, and life possibilities, for instance, have an impact on women's empowerment (Domingo et al., 2015; S. Mubeen et al., 2021). Women's empowerment can occur on three different levels: the micro (individual), the meso (beliefs and actions in relation to others), and the macro (outcomes in a larger, social context). According to Costell et al. (2012), there are four subcategories of women's empowerment: sociocultural, economic, educational, and health. While there are considerable differences in the methods used to measure empowerment, some research findings are consistent. Some of the key components that are typically used to conceptualise women's empowerment in this context are resource control, household decision-making, economic decisionmaking, and physical mobility (Hameed et al., 2014; Sharma, 2015). Vickers, NJ; 2017; Parmley, 2019; Mubeen, SH, & Hye, Q. M. A. (2022).

Even though discrimination against women is a worldwide problem, Pakistani women's empowerment needs specific consideration (Bushra, A., & Wajiha, N., 2015; Abbas, S et al, 2022; Mubeen, S., Shahid, M. H., & Hye, Q. M. A. (2022). Pakistani society is hierarchical in both its normative and existential order, with unequal power relations between men and women, with women being positioned beneath men (Rahman et al., 2018; Zandi, G., et al., 2022). Gender equality and women's emancipation appear to be far-off goals in this non-egalitarian culture with significant gender differences (Raza, A., & Murad, H. S. 2010; Mubeen, S., et al., 2022). Given that Pakistan is ranked 151st out of 153 nations in the Gender Gap Index (Gap, 2017), the low level of women's empowerment there is a real problem.

2. LITERATURE REVIEW

1994's Batliwala The degree of control individuals have over outside factors that have an impact on their wellbeing is referred to as empowerment. (Hashemi et al. 1996; S. Mubeen et al. Empowerment is a strategy for fostering a social environment in which individuals and groups can make decisions and selections for social transformation. By gaining information, skills, and authority, it enhances innate ability. (Bennett, 2002; Mubeen, S., Quddus, M. A., & Shahid, M. H. (2021; 2022)). According to the author, empowerment is the enhancement of one's resources and skills. Women's empowerment includes welfare, awareness, resource access, and resource control (Kabeer, 1999; Mubeen, S., Shahid, M. H., & Khan, M. K., 2022). In a similar vein, women's empowerment includes awareness, self-esteem, self-confidence, and agency. Welfare has connections with monetary gain, awareness, easier access to resources, control over gender equality, and women's empowerment. According to Kabeer (2001), empowerment is the expansion of a person's capacity to make wise decisions about their lives in circumstances where they previously lacked that capacity.

According to Keller and Mbwewe (1991), women's empowerment is a process in which they acquire the capacity to organise themselves in order to strengthen their independence, assert their individual right to make decisions, and manage resources in order to confront and end their subordination. According to UNDP (2015), the degree to which women are able to make decisions independently at home, at work, and in their communities as well as engage in socio-economic and political life is a key indicator of women's empowerment. According to Keller and Mbwewe (1991), women's empowerment is a process in which they acquire the capacity to organise themselves in order to strengthen their independence, assert their individual right to make decisions, and manage resources in order to confront and end their subordination. According to UNDP (2015), the degree to which women are able to make decisions independently at home, at work, and in their communities as well as engage in socio-economic and political life is a key indicator of women's empowerment. Jejeebhoy and Sathar (2001) conducted a quantitative investigation in Pakistan and India. Freedom from threat, mobility, and control over economic resources were used to gauge one's level of empowerment. Khan and Maan (2008) created a women's empowerment index using the elements of control over financial resources, mobility in family decision-making, and involvement in family discussions.

The goal of the current study is to narrow this gap by evaluating women's empowerment as a process governed by both direct and indirect indicators of women's empowerment, such as self-esteem, self-confidence, awareness, decision-making, and work status of women, in a single study. The research on women's empowerment is frequently context-oriented, such as region- or religion-specific, based on an examination of the microcredit framework, or with an emphasis on certain factors including age, education, marital status, health, and age. [Njoh, A. J., & Akiwumi, F. A. (2012); Al-Shami, S. S. A., Razali, R. M., & Rashid, N. (2018) Age, education, marital status, and health are all inversely connected. The current study contributes to the body of literature by examining the five different aspects

of women's empowerment, including, among other things, the characteristics of women, husbands, heads of households, and children. The primary objective of the study is to investigate the influence of household characteristics and those of other family members on the many dimensions of women's empowerment.

3. METHODOLOGY

We used this model for analysis

P(1/p)=bo+b1age+b2res+b3edu+b4Hedu+b5Account+b6BISP+b7emp+b8violenc e+b9P.Media+b10E.Media+b11No of sons+b12F.pref + b13wealth s + b14 prop

Dependent variable is women empowerment and independent variables include age of respondent, residence of respondent education of both husband and respondent ,BISP and media with the same time properly and wealth index, number of sons

The empowerment of women is our dependent variable which contains four proxies of decision making including:

- Health care
- household purchases
- Visit to family
- Spending on husband's earnings

4. RESULTS AND DISCUSSIONS

Sindh (N= 2142)

With a population of nearly 25 million, Sindh is Pakistan's most populous province. Less than half as many people are literate in rural areas as in metropolitan ones. There were 30, 20 percent in 1972 and 45, 30 percent in 1998, respectively. It was 69 percent, 60 percent, and 56 percent in 2010, 2013, and 2014, respectively. The greater rate indicates that many children and teenagers are denied access to education. In 2018, 62.2 percent of people can read and write. There are 14.7 million people in the labour force overall, with a participation rate of 50.0 percent; men make up 81.9 percent of the workforce, while women make up 81.9 percent. The overall unemployment rate in Sindh was 11.8 percent, or 5.0 percent for males and 4.0 percent for women. Agriculture employs 35.8% of the workforce, compared to the industry's 22.2% workforce. According to Pakistan's Economic Survey, the service industry employs 42.2% of all workers.

Participation of women in decision making related to health in Sindh

Socio-economic characteristics	Beta	Sig	Odds	95% C.I. for EXP(B)		
of respondent			Lower	Upper		
Age in 5-year gro						
15-19	Ref		,			
20-24	.084	.748	1.087	.652	1.814	
25-29	.541	.035	1.718	1.040	2.837	
30-34	.663	.012	1.940	1.155	3.258	
35-39	.618	.027	1.856	1.073	3.210	
40-44	1.059	.003	2.884	1.426	5.832	
45-49	.470	.288	1.600	.672	3.813	
place of residence)					
Rural	Ref					
Urban	.178	.092	1.194	.971	1.469	
The highest education	ational le	vel of responder	nt			
No education	Ref					
Primary	.411	.003	1.508	1.150	1.978	
Secondary	.025	.844	1.025	.798	1.317	
Higher	.626	.000	1.870	1.389	2.517	
Bank account						
No	Ref					
Yes	.754	.011	2.125	1.187	3.801	
Husband education	on					
No education	Ref					
Primary	.067	.629	1.070	.814	1.405	
Secondary	152	.234	.859	.670	1.103	
Higher	032	.818	.968	.737	1.273	
Respondent curre	ently wor	king				
No	Ref					
Yes	.556	.000	1.743	1.351	2.249	

BISP						
No	Ref					
Yes	.244	.135		1.277	.927	1.759
Print media						
No	Ref					
Yes	.180	.368		1.197	.810	1.769
No of sons						
No sons	Ref					
One sons	069	.606		.933	.717	1.214
Two sons	.092	.537		1.096	.819	1.467
Three sons	555	.002		.574	.407	.809
Four sons	583	.010		.558	.359	.868
Above four sons	151	.570		.860	.512	1.446
Domestic violence	e					
No	Ref					
Yes	-1.033	.000		.356	.288	.439
Fertility preferen	ce					
Have another	Ref					
Undecided	316	.014		.729	.566	.938
No more	004	.971		.996	.800	1.239
Electronic media						
No	Ref					
Yes	071	.485	.931		.762	1.138
Wealth status						
Poor	Ref					
Rich	442	.005		.643	.471	.878
Own a property						
Does not own	Ref					
Own	.386	.361		1.471	.643	3.366

Women in the 20–24 and 45–49 age groups are not significantly related to healthcare decisions, whereas women in the 20–24 and 45–49 age groups are. Men are more likely to take part in choices relating to health than women between the ages of 15 and 19. Healthcare choices are influenced by things like where you live, how educated you are, how much money you have, whether you have a job or not, and whether you have experienced domestic abuse. Preferences for fertility are less likely to influence choices. A woman in Sindh who has two boys has a 1:1 chance of making decisions. Women with BISP positivity are 1.277 times more likely to

make choices.

Participation of women in decision making regarding household purchases in Sindh

Beta	Sig	Odds	95% C	.I. for
		_	EXP(B)	
		Lower	Upper	
	501	1.106	710	2.01.4
				2.014
				3.570
				4.228
				4.680
				9.064
.598	.175	1.819	.766	4.323
nce				
Ref				
.097	.349	1.102	.899	1.352
ucational level	of respondent			
Ref				
.229	.090	1.257	.965	1.637
119	.347	.888	.694	1.137
.574	.000	1.776	1.333	2.367
Ref				
.403	.131	1.496	.887	2.525
ation				
Ref				
131	.338	.877	.671	1.147
136	.279	.873	.682	1.117
152	.269	.859	.656	1.125
rrently working	ng			
Ref				
	Ref .179 .763 .917 .990 .1.504 .598 nce Ref .097 ucational level Ref .229119 .574 Ref .403 ation Ref131136152 rrently workin	Ref .179 .501 .763 .003 .917 .001 .990 .000 .598 .175 .	Lower	Lower Lower

Yes	.493	.000	1.637	1.279	2.094			
BISP								
No	Ref							
Yes	.186	.245	1.204	.880	1.647			
Print media	Print media							
No	Ref							
Yes	.256	.184	1.291	.886	1.883			
No of sons								
No sons	Ref							
One sons	235	.076	.791	.610	1.025			
Two sons	084	.565	.920	.691	1.223			
Three sons	676	.000	.509	.362	.714			
Four sons	870	.000	.419	.270	.650			
Above four	614	010	5.4.1	225	000			
sons	014	.018	.541	.325	.900			
Domestic viole	ence	•						
No	Ref							
Yes	787	.000	.455	.369	.561			
Fertility prefer	rence							
Have another	Ref							
Undecided	160	.208	.852	.664	1.093			
No more	028	.795	.972	.784	1.204			
Electronic med	dia							
No	Ref							
Yes	149	.140	.862	.707	1.050			
Wealth status	Wealth status							
Poor	Ref							
Rich	318	.039	.728	.538	.985			
Own a propert	ty							
Does not own	Ref							
Own	.802	.058	2.230	.974	5.108			

Women are four times more likely than men to make decisions in the age range of 40 to 44. A person's decision is unaffected by where they live, those who have completed elementary or secondary school are more likely to make decisions than those who have not. A bank account is essentially of no consequence while making household purchases. The household purchase is unaffected by the husband's educational

background (Mubeen, S., Shahid, M. H., & Saeed, A. (2022). Women who are employed are more likely to make decisions than those who are unemployed. There is a direct correlation between the number of sons, marital violence, and living conditions and major household purchases. Decision-making is closely correlated with property ownership, with those who do not own property 2.230 times more likely to participate in them.

Women's Contribution in Decision making related to visit to family or relatives in Sindh

Socio-economic	Beta	Sig	Odds	95% C.I.	for EX-
characteristics			_	P(B)	
			Lower	Upper	
of respondent					
Age in 5-year group)S	l	<u> </u>		
15-19	Ref				
20-24	.531	.043	1.700	1.017	2.841
25-29	.840	.001	2.316	1.398	3.835
30-34	1.000	.000	2.718	1.614	4.577
35-39	1.211	.000	3.356	1.930	5.833
40-44	1.445	.000	4.240	2.080	8.642
45-49	1.474	.002	4.369	1.745	10.934
place of residence					
Rural	Ref				
Urban	055	.601	.947	.770	1.163
The highest educati	onal level of	responden	ıt		
No education	Ref				
Primary	.343	.014	1.409	1.073	1.850
Secondary	078	.537	.925	.721	1.185
Higher	.528	.001	1.695	1.256	2.288
Bank account					
No	Ref				
Yes	.837	.006	2.309	1.264	4.217
Husband education					
No education	Ref				
Primary	.123	.373	1.131	.863	1.482
Secondary	045	.725	.956	.746	1.226

Higher	.273	.050	1.314	1.000	1.728		
Respondent currently working							
No	Ref						
Yes	.356	.006	1.427	1.109	1.837		
BISP							
No	Ref						
Yes	.094	.568	1.098	.797	1.513		
Print media							
No	Ref						
Yes	111	.573	.895	.608	1.316		
No of sons							
No sons	Ref						
One sons	180	.182	.835	.641	1.088		
Two sons	199	.181	.820	.613	1.097		
Three sons	617	.000	.540	.383	.761		
Four sons	677	.003	.508	.327	.789		
Above four sons	102	.712	.903	.527	1.549		
Domestic violence							
No	Ref						
Yes	798	.000	.450	.366	.553		
Fertility preference	e						
Have another	Ref						
Undecided	466	.000	.627	.488	.806		
No more	172	.123	.842	.676	1.048		
Electronic media							
No	Ref						
Yes	203	.047	.817	.669	.997		
Wealth status							
Poor	Ref						
Rich	031	.840	.969	.716	1.313		
Own a property							
Does not own	Ref						
Own	.154	.713	1.166	.515	2.640		

Age, financial condition, career situation, domestic abuse, fertility, and electronic media all have a big impact on whether or not someone decides to visit family or relatives. Although it has a small effect, having property increases a person's

likelihood of making decisions compared to not having it. BISP is irrelevant even though it is more likely to make decisions.

Participation of women in decisions regarding Spending on husband earnings in Sindh

Socio-economic		Sig	Odds	95%	C.I.for
characteristics		9		EXP(B)	
			Lower	Up-	,
of respondent				per	
				•	
				1	
Age in 5-year gro					
15-19	Ref	Г	<u> </u>	Г	
20-24	.475	.070	1.608	.963	2.687
25-29	.783	.002	2.188	1.322	3.622
30-34	.756	.004	2.129	1.267	3.577
35-39	.825	.003	2.282	1.320	3.944
40-44	1.718	.000	5.574	2.716	11.440
45-49	.847	.056	2.332	.978	5.561
place of residence	e				
Rural	Ref				
Urban	.029	.783	1.029	.839	1.262
The highest educ	cational level of	f respondent			
No education	Ref				
Primary	.471	.001	1.602	1.224	2.096
Secondary	.088	.485	1.092	.853	1.397
Higher	.504	.001	1.656	1.242	2.206
Bank account					
No	Ref				
Yes	.441	.101	1.555	.917	2.635
Husband educat	ion	·			
No education	Ref				
Primary	004	.977	.996	.761	1.303
Secondary	.086	.496	1.089	.851	1.394
Higher	165	.229	.848	.648	1.109
Respondent curi	ently working		-		
No	Ref				

Yes	.552	.000	1.737	1.352	2.231			
BISP								
No	Ref							
Yes	.352	.031	1.423	1.034	1.958			
Print media								
No	Ref							
Yes	.497	.012	1.644	1.118	2.418			
No of sons								
No sons	Ref							
One sons	120	.365	.887	.685	1.149			
Two sons	.014	.922	1.014	.763	1.349			
Three sons	606	.000	.545	.389	.765			
Four sons	593	.008	.553	.357	.857			
Above four sons	658	.012	.518	.310	.866			
Domestic violence	ee							
No	Ref							
Yes	819	.000	.441	.358	.542			
Fertility preferen	nce							
Have another	Ref	•						
Undecided	100	.433	.905	.706	1.161			
No more	125	.255	.883	.712	1.094			
Electronic media	ı							
No	Ref							
Yes	187	.063	.829	.681	1.010			
Wealth status								
Poor	Ref							
Rich	201	.193	.818	.604	1.107			
Own a property								
Does not own	Ref							
Own	.348	.398	1.417	.631	3.180			
·								

Women are five times more likely to make decisions between the ages of 40 and 44 than men. Women with education are more likely to be decision-makers than women without education. Significant links connect BISP. When it comes to fertility desires, women are less prone to make decisions.

5. POLICY IMPLICATIONS

According to the study, working women have greater power to make decisions than non-working women. Women's employment and education have been found to be significant predictors of rising decision-making power across the board. In this study, it was found that women's education was a significant predictor of growing decision-making authority. According to the literature, employment and income also increase women's mobility and confidence in their ability to make important decisions about their homes. Education gives women more power over their lives and raises their status within their families.

Women's empowerment and enhanced status are viewed as crucial to accomplishing women's development in the study, which is based on women and family development strategies. Similar to men, women's decision-making power is influenced by assets including wealth, employment, and education. According to the study, if women have more opportunities for education, employment, income, and household decision-making, their socioeconomic situation and family development may improve. Women can improve their family lives and aid in the development of their communities and countries. As a result, the research promotes the development of both the community and the country.

DECLARATION OF INTEREST

It is declared that the authors of this research work have no competing interests.

REFERENCES

- Abbas, S., Hye, Q. M. A., Rehan, R., & Mubeen, S. (2022). Do Globalization, Technology Adoption and Economic Development Influence Income Inequality in Developing Asian Nations?. Asian Journal of Economics and Empirical Research, 9(2), 83-90.
- Al-Shami, S. S. A., Razali, R. M., & Rashid, N. (2018). The effect of microcredit on women empowerment in welfare and decisions making in Malaysia. Social Indicators Research, 137(3), 1073-1090.
- AR, A. H., Rehan, R., Zainudin, Z., & Hussain, H. I. (2018). Capital structure determinants of Shariah and Non-Shariah companies at Bursa Malaysia. Opcion, 34(16), 678-695.
- Bennett, L. (2002). Using empowerment and social inclusion for pro-poor growth: a theory of social change. Working draft of background paper for the social development strategy paper. Washington, DC: World Bank.
- Borumandnia, N., Majd, H. A., Doosti, H., & Olazadeh, K. (2022). The trend analysis of neurological disorders as major causes of death and disability according to human development, 1990-2019. Environmental Science and Pollution

- Research, 1-7.
- Bushra, A., & Wajiha, N. (2015). Assessing the socio-economic determinants of women empowerment in Pakistan. Procedia-Social and Behavioral Sciences, 177, 3-8.
- Costell, M. H., Ancellin, N., Bernard, R. E., Zhao, S., Upson, J. J., Morgan, L. A., ... & Behm, D. J. (2012). Comparison of soluble guanylate cyclase stimulators and activators in models of cardiovascular disease associated with oxidative stress. Frontiers in pharmacology, 3, 128.
- Domingo, P., Holmes, R., O'neil, T., Jones, N., Bird, K., Larson, A., & Valters, C. (2015). Women's voice and leadership in decision-making. London: ODI.
- Galdeano, D., Ahmed, U., Fati, M., Rehan, R., & Ahmed, A. J. M. S. L. (2019). Financial performance and corporate social responsibility in the banking sector of Bahrain: Can engagement moderate?. Management Science Letters, 9(10), 1529-1542.
- Gap, G. G. (2020). Report 2020. In World Economic Forum, Geneva.
- Ghani, E. K., Rehan, R., Salahuddin, S., & Hye, Q. M. A. (2023). Discovering Capital Structure Determinants for SAARC Energy Firms. International Journal of Energy Economics and Policy, 13(1), 135.
- Hameed, W., Azmat, S. K., Ali, M., Sheikh, M. I., Abbas, G., Temmerman, M., & Avan, B. I. (2014). Women's empowerment and contraceptive use: the role of independent versus couples' decision-making, from a lower middle income country perspective. PloS one, 9(8), e104633.
- Hashemi, S. M., Schuler, S. R., & Riley, A. P. (1996). Rural credit programs and women's empowerment in Bangladesh. World development, 24(4), 635-653.
- Hadi, A. R. A., Hussain, H. I., Zainudin, Z., & Rehan, R. (2019). Crude oil price and exchange rates-the case of Malaysia and Brunei. International Journal of Financial Research, 10(5), 1-10.
- Jejeebhoy, S. J. (2002). Convergence and divergence in spouses' perspectives on women's autonomy in rural India. Studies in family planning, 33(4), 299-308. Kabeer, N. (2014). ca. 1990. Género, desarrollo y capacitación: aumentar la concienciaban en el proceso de planificación. Fecha de consulta, 12(04).
- Kabeer, N. (1999). Resources, agency, achievements: Reflections on the measurement of women's empowerment. Development and change, 30(3), 435-464.
- Kabeer, N. (2001). Conflicts over credit: Re-evaluating the empowerment potential of loans to women in rural Bangladesh. World development, 29(1), 63-84.

- Khan, M. A., Rehan, R., Chhapra, I. U., & Sohail, A. B. (2021). Capital Structure Theories: A Comprehensive Review. Revista Geintec-Gestao Inovacao E Tecnologias, 11(3), 1562- 1574.
- Khan, M. A., Rehan, R., Chhapra, I. U., & Bai, A. (2022). Inspecting energy consumption, capital formation and economic growth nexus in Pakistan. Sustainable Energy Technologies and Assessments, 50, 101845.
- Khan, M. T., & Maan, A. A. (2008). Socio-cultural milieu of women's empowerment in district Faisalabad. Pakistan. Journal of Agricultural Science, 45(3), 78-90.
- Keller, B., & Mbewe, D. C. (1991). Policy and planning for the empowerment of Zambia's women farmers. Canadian Journal of Development Studies/Revue canadienne d'études du développement, 12(1), 75-88.
- Khan, M. A., & Rehan, R. (2022). Revealing The Impacts of Banking Sector Development on Renewable Energy Consumption, Green Growth, And Environmental Quality in China: Does Financial Inclusion Matter?. Frontiers in Energy Research, 941.
- Leder, S. (2016). Linking women's empowerment and their resilience.
- Manley, K., Nyelele, C., & Egoh, B. N. (2022). A review of machine learning and big data applications in addressing ecosystem service research gaps. Ecosystem Services, 57, 101478.
- Mirziyoyeva, Z., & Salahodjaev, R. (2022). Women's Parliamentary Representation and Sustainable Development Goals: a Cross-Country Evidence. Applied Research in Quality of Life, 17(2), 871-883.
- Mubeen, S., Shahid, M. H., & ur Rashid, H. H. (2021). Association of Temperature and Humidity with COVID-19 Transmission in Punjab, Pakistan. Audit and Accounting Review, 1(2), 52-70.
- Mubeen, S., & Quddus, M. A. (2021). Gender Equality but Never-Ending Inequity in FATA, Pakistan. Journal of Business and Social Review in Emerging Economies, 7(2), 375-388.
- Mubeen, S., Shahid, M. H., & Saeed, A. (2022). WOMEN AT WORK: LABOR FORCE PARTICIPATION AND EMPOWERMENT IN KPK, PAKISTAN. Women (1997-2032), 14.
- Mubeen, S., Shahid, M. H., & Taib, M. N. A. (2019). Challenges and Opportunities for Women Entrepreneurs: A Case Study of Urban Lahore (Pakistan). Bulletin of Business and Economics (BBE), 8(4), 213-222.
- Mubeen, S., Hye, Q. M. A., Shahid, M. H., & Rehan, R. (2022). The Nexus among Family Business, Household Finances and Women Empowerment:

- Evidence from PDHS 2017- 18. Nurture, 16(2), 90-102.
- Mubeen, S., Shahid, M. H., & Khan, M. K. (2022). Role of Islamic Credit Availability for Women Entrepreneurship Rural Areas of Punjab, Pakistan. PAKISTAN ISLAMICUS (An International Journal of Islamic & Social Sciences), 2(01), 01-14.
- Mubeen, S., Shahid, M. H., & Hye, Q. M. A. (2022). The relationship between the empowerment of women and preferences related to fertility in Pakistan. Journal of Social Economics Research, 9(2), 121-136.
- Mubeen, S., Shahid, M. H., Sahawneh, N., Al-Kassem, A. H., Ahmad, A., & Naseer, I. (2022, February). Education, Employment and Women Empowerment in an Agrarian Economy: Acase Study Note: Sub-titles are not captured in Xplore and should not be used. In 2022 International Conference on Business Analytics for Technology and Security (ICBATS) (pp. 1-9). IEEE.
- Mubeen, S., Quddus, M. A., & Shahid, M. H (2022). Women Entrepreneurship and Problems of Rural Women Entrepreneurs in Punjab Province of Pakistan.
- McClelland, M. M., Cameron, C. E., Duncan, R., Bowles, R. P., Acock, A. C., Miao, A., & Pratt, M. E. (2014). Predictors of early growth in academic achievement: The head-toes-knees-shoulders task. Frontiers in psychology, 5, 599.
- Parmley, L., Rao, A., Kose, Z., Lambert, A., Max, R., Phaswana-Mafuya, N., ... & Schwartz, S. (2019). Antenatal care presentation and engagement in the context of sex work: exploring barriers to care for sex worker mothers in South Africa. Reproductive health, 16(1), 1-12.
- Rehan, R., & Abdul Hadi, A. R. (2019). Capital structure determinants of Shariah and non-Shariah companies at Bursa Malaysia—dynamic approach. International Journal of Innovation, Creativity and Change, 6(8), 334-345.
- Rahman, S., Chaudhry, I. S., & Farooq, F. (2018). Gender inequality in education and household poverty in Pakistan: A Case of Multan District. Review of Economics and Development Studies, 4(1), 115-126.
- Rehan, R., Abdul, H. A. R., & Hussain, H. I. (2019). Sectorial-specific capital structure determinants-evidence from Bursa Malaysia. International Journal of Innovation, Creativity and Change, 6(8), 346-357.
- Rahman, M. M. (2010). Women's empowerment and reproductive health: Experience from Chapai Nawabganj district in Bangladesh. Afro Asian Journal of Anthropology and Social Policy, 1(1), 51-58.
- Njoh, A. J., & Akiwumi, F. A. (2012). The impact of religion on women empowerment

- as a millennium development goal in Africa. Social Indicators Research, 107(1), 1-18.
- Raza, A., & Murad, H. S. (2010). Gender gap in Pakistan: A socio-demographic analysis. International Journal of social economics.
- Sharma, B. (2015). Level of women empowerment and It's determinates in selected south Asian countries. IOSR J, 20(4), 94-105.
- Salahuddin, S., Kashif, M., & Rehman, M. U. (2021). Cross-country stock market integration and portfolio diversification opportunities evidence from developed, emerging and frontier countries. Studies of Applied Economics, 39(2).
- Salahuddin, S., Kashif, M., & Rehman, M. U. (2020). Time Varying Stock Market Integration and Diversification Opportunities within Emerging and Frontier Markets. PÉNZÜGYI SZEMLE/PUBLIC FINANCE QUARTERLY, 65(2), 168-195.
- Sen, G., Germain, A., & Chen, L. C. (1994). Population policies reconsidered. Health, empowerment and rights. Harvard School of Public Health, Boston, Massachusetts.
- UNICEF., United Nations. Office of the Special Representative of the Secretary-General for Children, & Armed Conflict. (2009). Machel study 10-year strategic review: Children and conflict in a changing world.
- Undp, A. (2016). Africa Human Development Report 2016 Accelerating Gender Equality and Women's Empowerment in Africa (No. 267638). United Nations Development Programme (UNDP).
- Vickers, N. J. (2017). Animal communication: when i'm calling you, will you answer too?. Current biology, 27(14), R713-R715.
- Zandi, G., Rehan, R., Hye, Q. M. A., Mubeen, S., & Abbas, S. (2022). Do Corruption, Inflation and Unemployment Influence the Income Inequality of Developing Asian Countries?. International Journal of Applied Economics, Finance and Accounting, 14(2), 118-128.