

# INTERNATIONAL JOURNAL OF RESEARCH IN COMPUTER APPLICATION & MANAGEMENT

I  
J  
R  
C  
M



A Monthly Double-Blind Peer Reviewed (Refereed/Juried) Open Access International e-Journal - Included in the International Serial Directories

*Indexed & Listed at:*

Ulrich's Periodicals Directory ©, ProQuest, U.S.A., Cabell's Directories of Publishing Opportunities, U.S.A., Google Scholar,  
Indian Citation Index (ICI), J-Gate, India [link of the same is duly available at Inlibnet of University Grants Commission (U.G.C.)],  
Index Copernicus Publishers Panel, Poland with IC Value of 5.09 (2012) & number of libraries all around the world.

Circulated all over the world & Google has verified that scholars of more than 6575 Cities in 197 countries/territories are visiting our journal on regular basis.

Ground Floor, Building No. 1041-C-1, Devi Bhawan Bazar, JAGADHRI – 135 003, Yamunanagar, Haryana, INDIA

<http://ijrcm.org.in/>

# CONTENTS

Sr. No.	TITLE & NAME OF THE AUTHOR (S)	Page No.
1.	<b>PROBLEMS FACED BY WORKING WOMEN IN NATIONALISED BANKS IN KALABURAGI CITY</b>  <i>Dr. RAJNALKAR LAXMAN &amp; D. R. ROOPASHREE</i>	1
2.	<b>A REVIEW OF CERTIFICATION AS A TOOL FOR EMPLOYEE DEVELOPMENT</b>  <i>Dr. L.R.K. KRISHNAN</i>	6
3.	<b>A STUDY ON THE EFFECTIVENESS OF VIRTUAL TEACHING-LEARNING PRACTICE AMONG ENGINEERING STUDENTS</b>  <i>Dr. J. RAJINI, M. MANJURIA &amp; Dr. V. KRISHNAMOORTHY</i>	14
4.	<b>FACTORS INFLUENCING WOMEN'S REPRESENTATION IN LEADERSHIP POSITIONS: IN CASE OF ENSARO WOREDA PUBLIC SERVICE SECTORS, AMHARA REGION, ETHIOPIA</b>  <i>BIZUALEM LEMMA KETEMA &amp; KASAYE ZELEKE FEREDÉ</i>	18
5.	<b>A STUDY ON ELECTRONIC SERVICE QUALITY OF ONLINE SHOPPING SITES</b>  <i>KAVALI BHANU PRAKASH</i>	25
	<b>REQUEST FOR FEEDBACK &amp; DISCLAIMER</b>	32

**FOUNDER PATRON****Late Sh. RAM BHAJAN AGGARWAL**

Former State Minister for Home & Tourism, Government of Haryana  
 Former Vice-President, Dadri Education Society, Charkhi Dadri  
 Former President, Chinar Syntex Ltd. (Textile Mills), Bhiwani

**CO-ORDINATOR****Dr. BHAVET**

Former Faculty, Shree Ram Institute of Engineering & Technology, Urjani

**ADVISOR****Prof. S. L. MAHANDRU**

Principal (Retd.), Maharaja Agrasen College, Jagadhri

**EDITOR****Dr. PARVEEN KUMAR**

Professor, Department of Computer Science, NIMS University, Jaipur

**CO-EDITOR****Dr. A. SASI KUMAR**

Professor, Vels Institute of Science, Technology & Advanced Studies (Deemed to be University), Pallavaram

**EDITORIAL ADVISORY BOARD****Dr. CHRISTIAN EHIOBU CHE**

Professor of Global Business/Management, Larry L Luing School of Business, Berkeley College, USA

**Dr. SIKANDER KUMAR**

Vice Chancellor, Himachal Pradesh University, Shimla, Himachal Pradesh

**Dr. JOSÉ G. VARGAS-HERNÁNDEZ**

Research Professor, University Center for Economic & Managerial Sciences, University of Guadalajara, Guadalajara, Mexico

**Dr. RAJENDER GUPTA**

Convener, Board of Studies in Economics, University of Jammu, Jammu

**Dr. D. S. CHAUBEY**

Professor & Dean (Research & Studies), Uttaranchal University, Dehradun

**Dr. TEGUH WIDODO**

Dean, Faculty of Applied Science, Telkom University, Bandung Technoplex, Jl. Telekomunikasi, Indonesia

**Dr. S. P. TIWARI**

Head, Department of Economics & Rural Development, Dr. Ram Manohar Lohia Avadh University, Faizabad

**Dr. BOYINA RUPINI**

Director, School of ITS, Indira Gandhi National Open University, New Delhi

**Dr. KAUP MOHAMED**

Dean & Managing Director, London American City College/ICBEST, United Arab Emirates

**Dr. MIKE AMUHAYA IRAVO**

Principal, Jomo Kenyatta University of Agriculture & Tech., Westlands Campus, Nairobi-Kenya

**Dr. M. S. SENAM RAJU**

Professor, School of Management Studies, I.G.N.O.U., New Delhi

**Dr. NEPOMUCENO TIU**

Chief Librarian & Professor, Lyceum of the Philippines University, Laguna, Philippines

**Dr. A SAJEEVAN RAO**

Professor & Director, Accurate Institute of Advanced Management, Greater Noida

**Dr. H. R. SHARMA**

Director, Chhatrapati Shivaji Institute of Technology, Durg, C.G.

**Dr. CLIFFORD OBIYO OFURUM**

Professor of Accounting & Finance, Faculty of Management Sciences, University of Port Harcourt, Nigeria

**Dr. SHIB SHANKAR ROY**

Professor, Department of Marketing, University of Rajshahi, Rajshahi, Bangladesh

**Dr. MANOHAR LAL**

Director &amp; Chairman, School of Information &amp; Computer Sciences, I.G.N.O.U., New Delhi

**Dr. SRINIVAS MADISHETTI**

Professor, School of Business, Mzumbe University, Tanzania

**Dr. VIRENDRA KUMAR SHRIVASTAVA**

Director, Asia Pacific Institute of Information Technology, Panipat

**Dr. VIJAYPAL SINGH DHAKA**

Professor &amp; Head, Department of Computer &amp; Communication Engineering, Manipal University, Jaipur

**Dr. NAWAB ALI KHAN**

Professor &amp; Dean, Faculty of Commerce, Aligarh Muslim University, Aligarh, U.P.

**Dr. EGWAKHE A. JOHNSON**

Professor &amp; Director, Babcock Centre for Executive Development, Babcock University, Nigeria

**Dr. ASHWANI KUSH**

Head, Computer Science, University College, Kurukshetra University, Kurukshetra

**Dr. ABHAY BANSAL**

Head, Department of Information Technology, Amity School of Engg. &amp; Tech., Amity University, Noida

**Dr. BHARAT BHUSHAN**

Head, Department of Computer Science &amp; Applications, Guru Nanak Khalsa College, Yamunanagar

**MUDENDA COLLINS**

Head, Operations &amp; Supply Chain, School of Business, The Copperbelt University, Zambia

**Dr. JAYASHREE SHANTARAM PATIL (DAKE)**

Faculty in Economics, KPB Hinduja College of Commerce, Mumbai

**Dr. MURAT DARÇIN**

Associate Dean, Gendarmerie and Coast Guard Academy, Ankara, Turkey

**Dr. YOUNOS VAKIL ALROAIA**

Head of International Center, DOS in Management, Semnan Branch, Islamic Azad University, Semnan, Iran

**P. SARVAHARANA**

Asst. Registrar, Indian Institute of Technology (IIT), Madras

**SHASHI KHURANA**

Associate Professor, S. M. S. Khalsa Lubana Girls College, Barara, Ambala

**Dr. SEOW TA WEEA**

Associate Professor, Universiti Tun Hussein Onn Malaysia, Parit Raja, Malaysia

**Dr. OKAN VELI ŞAFAKLI**

Professor &amp; Dean, European University of Lefke, Lefke, Cyprus

**Dr. MOHINDER CHAND**

Associate Professor, Kurukshetra University, Kurukshetra

**Dr. BORIS MILOVIC**

Associate Professor, Faculty of Sport, Union Nikola Tesla University, Belgrade, Serbia

**Dr. IQBAL THONSE HAWALDAR**

Associate Professor, College of Business Administration, Kingdom University, Bahrain

**Dr. MOHENDER KUMAR GUPTA**

Associate Professor, Government College, Hodal

**Dr. ALEXANDER MOSESOV**

Associate Professor, Kazakh-British Technical University (KBTU), Almaty, Kazakhstan

**Dr. MOHAMMAD TALHA**

Associate Professor, Department of Accounting &amp; MIS, College of Industrial Management, King Fahd University of Petroleum &amp; Minerals, Dhahran, Saudi Arabia

**Dr. ASHOK KUMAR CHAUHAN**

Reader, Department of Economics, Kurukshetra University, Kurukshetra

**Dr. RAJESH MODI**

Faculty, Yanbu Industrial College, Kingdom of Saudi Arabia

**WILLIAM NKOMO**

Asst. Head of the Department, Faculty of Computing, Botho University, Francistown, Botswana

**YU-BING WANG**

Faculty, department of Marketing, Feng Chia University, Taichung, Taiwan

**Dr. SHIVAKUMAR DEENE**

Faculty, Dept. of Commerce, School of Business Studies, Central University of Karnataka, Gulbarga

**Dr. TITUS AMODU UMORU**

Professor, Kwara State University, Kwara State, Nigeria

**Dr. BHAVET**

Faculty, Shree Ram Institute of Engineering & Technology, Urjani

**Dr. THAMPOE MANAGALESWARAN**

Faculty, Vavuniya Campus, University of Jaffna, Sri Lanka

**Dr. ASHISH CHOPRA**

Faculty, Department of Computer Applications, National Institute of Technology, Kurukshetra

**SURAJ GAUDEL**

BBA Program Coordinator, LA GRANDIEE International College, Simalchaur - 8, Pokhara, Nepal

**Dr. SAMBHAVNA**

Faculty, I.I.T.M., Delhi

**Dr. LALIT KUMAR**

Course Director, Faculty of Financial Management, Haryana Institute of Public Administration, Gurugram

***FORMER TECHNICAL ADVISOR***

**AMITA**

***FINANCIAL ADVISORS***

**DICKEN GOYAL**

Advocate & Tax Adviser, Panchkula

**NEENA**

Investment Consultant, Chambaghat, Solan, Himachal Pradesh

***LEGAL ADVISORS***

**JITENDER S. CHAHAL**

Advocate, Punjab & Haryana High Court, Chandigarh U.T.

**CHANDER BHUSHAN SHARMA**

Advocate & Consultant, District Courts, Yamunanagar at Jagadhri

***SUPERINTENDENT***

**SURENDER KUMAR POONIA**

## CALL FOR MANUSCRIPTS

We invite unpublished novel, original, empirical and high quality research work pertaining to the recent developments & practices in the areas of Computer Science & Applications; Commerce; Business; Finance; Marketing; Human Resource Management; General Management; Banking; Economics; Tourism Administration & Management; Education; Law; Library & Information Science; Defence & Strategic Studies; Electronic Science; Corporate Governance; Industrial Relations; and emerging paradigms in allied subjects like Accounting; Accounting Information Systems; Accounting Theory & Practice; Auditing; Behavioral Accounting; Behavioral Economics; Corporate Finance; Cost Accounting; Econometrics; Economic Development; Economic History; Financial Institutions & Markets; Financial Services; Fiscal Policy; Government & Non Profit Accounting; Industrial Organization; International Economics & Trade; International Finance; Macro Economics; Micro Economics; Rural Economics; Co-operation; Demography; Development Planning; Development Studies; Applied Economics; Development Economics; Business Economics; Monetary Policy; Public Policy Economics; Real Estate; Regional Economics; Political Science; Continuing Education; Labour Welfare; Philosophy; Psychology; Sociology; Tax Accounting; Advertising & Promotion Management; Management Information Systems (MIS); Business Law; Public Responsibility & Ethics; Communication; Direct Marketing; E-Commerce; Global Business; Health Care Administration; Labour Relations & Human Resource Management; Marketing Research; Marketing Theory & Applications; Non-Profit Organizations; Office Administration/Management; Operations Research/Statistics; Organizational Behavior & Theory; Organizational Development; Production/Operations; International Relations; Human Rights & Duties; Public Administration; Population Studies; Purchasing/Materials Management; Retailing; Sales/Selling; Services; Small Business Entrepreneurship; Strategic Management Policy; Technology/Innovation; Tourism & Hospitality; Transportation Distribution; Algorithms; Artificial Intelligence; Compilers & Translation; Computer Aided Design (CAD); Computer Aided Manufacturing; Computer Graphics; Computer Organization & Architecture; Database Structures & Systems; Discrete Structures; Internet; Management Information Systems; Modeling & Simulation; Neural Systems/Neural Networks; Numerical Analysis/Scientific Computing; Object Oriented Programming; Operating Systems; Programming Languages; Robotics; Symbolic & Formal Logic; Web Design and emerging paradigms in allied subjects.

Anybody can submit the **soft copy** of unpublished novel; original; empirical and high quality **research work/manuscript** **anytime** in **M.S. Word format** after preparing the same as per our **GUIDELINES FOR SUBMISSION**; at our email address i.e. [infoijrcm@gmail.com](mailto:infoijrcm@gmail.com) or online by clicking the link **online submission** as given on our website ([FOR ONLINE SUBMISSION, CLICK HERE](#)).

## GUIDELINES FOR SUBMISSION OF MANUSCRIPT

### 1. **COVERING LETTER FOR SUBMISSION:**

DATED: \_\_\_\_\_

**THE EDITOR**

IJRCM

**Subject:** SUBMISSION OF MANUSCRIPT IN THE AREA OF \_\_\_\_\_.

**(e.g. Finance/Mkt./HRM/General Mgt./Engineering/Economics/Computer/IT/ Education/Psychology/Law/Math/other, please specify)**

**DEAR SIR/MADAM**

Please find my submission of manuscript titled ' \_\_\_\_\_ ' for likely publication in one of your journals.

I hereby affirm that the contents of this manuscript are original. Furthermore, it has neither been published anywhere in any language fully or partly, nor it is under review for publication elsewhere.

I affirm that all the co-authors of this manuscript have seen the submitted version of the manuscript and have agreed to inclusion of their names as co-authors.

Also, if my/our manuscript is accepted, I agree to comply with the formalities as given on the website of the journal. The Journal has discretion to publish our contribution in any of its journals.

<b>NAME OF CORRESPONDING AUTHOR</b>	:
Designation/Post*	:
Institution/College/University with full address & Pin Code	:
Residential address with Pin Code	:
Mobile Number (s) with country ISD code	:
Is WhatsApp or Viber active on your above noted Mobile Number (Yes/No)	:
Landline Number (s) with country ISD code	:
E-mail Address	:
Alternate E-mail Address	:
Nationality	:

\* i.e. Alumnus (Male Alumni), Alumna (Female Alumni), Student, Research Scholar (M. Phil), Research Scholar (Ph. D.), JRF, Research Assistant, Assistant Lecturer, Lecturer, Senior Lecturer, Junior Assistant Professor, Assistant Professor, Senior Assistant Professor, Co-ordinator, Reader, Associate Professor, Professor, Head, Vice-Principal, Dy. Director, Principal, Director, Dean, President, Vice Chancellor, Industry Designation etc. **The qualification of author is not acceptable for the purpose.**

**NOTES:**

- a) The whole manuscript has to be in **ONE MS WORD FILE** only, which will start from the covering letter, inside the manuscript. ***pdf. version is liable to be rejected without any consideration.***
  - b) The sender is required to mention the following in the **SUBJECT COLUMN of the mail:**  
**New Manuscript for Review in the area of** (e.g. Finance/Marketing/HRM/General Mgt./Engineering/Economics/Computer/IT/ Education/Psychology/Law/Math/other, please specify)
  - c) There is no need to give any text in the body of the mail, except the cases where the author wishes to give any **specific message** w.r.t. to the manuscript.
  - d) The total size of the file containing the manuscript is expected to be below **1000 KB**.
  - e) Only the **Abstract will not be considered for review** and the author is required to submit the **complete manuscript** in the first instance.
  - f) **The journal gives acknowledgement w.r.t. the receipt of every email within twenty-four hours** and in case of non-receipt of acknowledgment from the journal, w.r.t. the submission of the manuscript, within two days of its submission, the corresponding author is required to demand for the same by sending a separate mail to the journal.
  - g) The author (s) name or details should not appear anywhere on the body of the manuscript, except on the covering letter and the cover page of the manuscript, in the manner as mentioned in the guidelines.
2. **MANUSCRIPT TITLE:** The title of the paper should be typed in **bold letters, centered and fully capitalised**.
  3. **AUTHOR NAME (S) & AFFILIATIONS:** Author (s) name, designation, affiliation (s), address, mobile/landline number (s), and email/alternate email address should be given underneath the title.
  4. **ACKNOWLEDGMENTS:** Acknowledgements can be given to reviewers, guides, funding institutions, etc., if any.
  5. **ABSTRACT:** Abstract should be in **fully Italic printing**, ranging between **150 to 300 words**. The abstract must be informative and elucidating the background, aims, methods, results & conclusion in a **SINGLE PARA**. **Abbreviations must be mentioned in full**.
  6. **KEYWORDS:** Abstract must be followed by a list of keywords, subject to the maximum of **five**. These should be arranged in alphabetic order separated by commas and full stop at the end. All words of the keywords, including the first one should be in small letters, except special words e.g. name of the Countries, abbreviations etc.
  7. **JEL CODE:** Provide the appropriate Journal of Economic Literature Classification System code (s). JEL codes are available at [www.aea-web.org/econlit/jelCodes.php](http://www.aea-web.org/econlit/jelCodes.php). However, mentioning of JEL Code is not mandatory.
  8. **MANUSCRIPT:** Manuscript must be in **BRITISH ENGLISH** prepared on a standard A4 size **PORTRAIT SETTING PAPER**. **It should be free from any errors i.e. grammatical, spelling or punctuation. It must be thoroughly edited at your end.**
  9. **HEADINGS:** All the headings must be bold-faced, aligned left and fully capitalised. Leave a blank line before each heading.
  10. **SUB-HEADINGS:** All the sub-headings must be bold-faced, aligned left and fully capitalised.
  11. **MAIN TEXT:**

**THE MAIN TEXT SHOULD FOLLOW THE FOLLOWING SEQUENCE:****INTRODUCTION****REVIEW OF LITERATURE****NEED/IMPORTANCE OF THE STUDY****STATEMENT OF THE PROBLEM****OBJECTIVES****HYPOTHESIS (ES)****RESEARCH METHODOLOGY****RESULTS & DISCUSSION****FINDINGS****RECOMMENDATIONS/SUGGESTIONS****CONCLUSIONS****LIMITATIONS****SCOPE FOR FURTHER RESEARCH****REFERENCES****APPENDIX/ANNEXURE****The manuscript should preferably be in 2000 to 5000 WORDS, But the limits can vary depending on the nature of the manuscript.**



12. **FIGURES & TABLES:** These should be simple, crystal **CLEAR, centered, separately numbered** & self-explained, and the **titles must be above the table/figure. Sources of data should be mentioned below the table/figure. It should be ensured that the tables/figures are referred to from the main text.**
13. **EQUATIONS/FORMULAE:** These should be consecutively numbered in parenthesis, left aligned with equation/formulae number placed at the right. The equation editor provided with standard versions of Microsoft Word may be utilised. If any other equation editor is utilised, author must confirm that these equations may be viewed and edited in versions of Microsoft Office that does not have the editor.
14. **ACRONYMS:** These should not be used in the abstract. The use of acronyms is elsewhere is acceptable. Acronyms should be defined on its first use in each section e.g. Reserve Bank of India (RBI). Acronyms should be redefined on first use in subsequent sections.
15. **REFERENCES:** The list of all references should be alphabetically arranged. **The author (s) should mention only the actually utilised references in the preparation of manuscript** and they may follow Harvard Style of Referencing. **Also check to ensure that everything that you are including in the reference section is duly cited in the paper.** The author (s) are supposed to follow the references as per the following:
- All works cited in the text (including sources for tables and figures) should be listed alphabetically.
  - Use (ed.) for one editor, and (ed.s) for multiple editors.
  - When listing two or more works by one author, use --- (20xx), such as after Kohl (1997), use --- (2001), etc., in chronologically ascending order.
  - Indicate (opening and closing) page numbers for articles in journals and for chapters in books.
  - The title of books and journals should be in italic printing. Double quotation marks are used for titles of journal articles, book chapters, dissertations, reports, working papers, unpublished material, etc.
  - For titles in a language other than English, provide an English translation in parenthesis.
  - **Headers, footers, endnotes and footnotes should not be used in the document.** However, **you can mention short notes to elucidate some specific point**, which may be placed in number orders before the references.

**PLEASE USE THE FOLLOWING FOR STYLE AND PUNCTUATION IN REFERENCES:**

**BOOKS**

- Bowersox, Donald J., Closs, David J., (1996), "Logistical Management." Tata McGraw, Hill, New Delhi.
- Hunker, H.L. and A.J. Wright (1963), "Factors of Industrial Location in Ohio" Ohio State University, Nigeria.

**CONTRIBUTIONS TO BOOKS**

- Sharma T., Kwatra, G. (2008) Effectiveness of Social Advertising: A Study of Selected Campaigns, Corporate Social Responsibility, Edited by David Crowther & Nicholas Capaldi, Ashgate Research Companion to Corporate Social Responsibility, Chapter 15, pp 287-303.

**JOURNAL AND OTHER ARTICLES**

- Schemenner, R.W., Huber, J.C. and Cook, R.L. (1987), "Geographic Differences and the Location of New Manufacturing Facilities," Journal of Urban Economics, Vol. 21, No. 1, pp. 83-104.

**CONFERENCE PAPERS**

- Garg, Sambhav (2011): "Business Ethics" Paper presented at the Annual International Conference for the All India Management Association, New Delhi, India, 19–23

**UNPUBLISHED DISSERTATIONS**

- Kumar S. (2011): "Customer Value: A Comparative Study of Rural and Urban Customers," Thesis, Kurukshetra University, Kurukshetra.

**ONLINE RESOURCES**

- Always indicate the date that the source was accessed, as online resources are frequently updated or removed.

**WEBSITES**

- Garg, Bhavet (2011): Towards a New Gas Policy, Political Weekly, Viewed on January 01, 2012 <http://epw.in/user/viewabstract.jsp>



**FACTORS INFLUENCING WOMEN'S REPRESENTATION IN LEADERSHIP POSITIONS: IN CASE OF ENSARO  
WOREDA PUBLIC SERVICE SECTORS, AMHARA REGION, ETHIOPIA**

**BIZUALEM LEMMA KETEMA**  
**LECTURER**  
**DEPARTMENT OF MANAGEMENT**  
**COLLEGE OF BUSINESS AND ECONOMICS**  
**DEBRE MARKOS UNIVERSITY**  
**DEBRE MARKOS**

**KASAYE ZELEKE FEREDÉ**  
**TAX EDUCATION OFFICER**  
**LARGE TAX PAYER OFFICE**  
**FEDERAL MINISTRY OF REVENUE**  
**ETHIOPIA**

**ABSTRACT**

*The issue of women on management position is gaining attention globally. Governments signed major human right treaties including the most important women's conventions to improve women's participation in management positions. Even though the government's effort to provide equal opportunities for women and design non-discriminatory policies, the existences of glass ceiling practices undermine their progress. The objective of the study was examining factors influencing women representation in leadership positions in Ensaro Woreda public sectors. To achieve the objective of the study 203 representative samples have taken through proportionate stratified sampling method. And a series of statistical analysis have done. Descriptive statistics were used to describe the existing situation of women's representation of leadership in the public sectors, whereas, inferential statistics were used to investigate the association of women's representation with the set of predictor variables. Binary logistic regression result shows that cultural belief and attitude, insufficient capacity building, lack of professional training, inflexible working hours, inadequate experience, family commitments, inadequate job knowledge, inadequate academic qualification, lack of motivation and interests, limited access of advanced education and overall organizational culture have a significant effect on the under representation of women's leadership in public sectors. The study finding revealed that organizational and personal factors seem to have major contributors as compared to societal factors that hindered women representation in leadership position in public sectors. Finally, it is recommended that; awareness creation and counselling service should have given about gender equality, public sectors should be committed to encouraging women's to have a leadership positions, capacity building and special training should be given for women to increase the number of women leaders.*

**KEYWORDS**

Ensaro Woreda public sectors, participation of women in leadership, societal factor, organizational factor, personal factor.

**JEL CODES**

J10, J16, J45.

**1. INTRODUCTION**

In principle, public administration is guided by principles of fairness, accountability, justice, equality and non-discrimination, and serves as a model of governance for society which includes the promotion of gender equality and women's empowerment in the civil service workforce. However, globally; this is not yet the reality. Instead of being a driving force behind the implementation of internationally-agreed goals on gender equality and human rights standards and principles, in many developed and developing countries, public administration often remains a patriarchal institution, perpetuating gender biased traditions, attitudes and practices women do not yet participate equally in public administration, especially in leadership and decision-making (UNDP, 2014).

The United Nations development program report 2014 further stated that the target of a minimum of 30 percent of women in leadership positions, originally endorsed by the United Nations Economic and Social Council (ECOSOC) in 1990 and reaffirmed in the Beijing Platform for Action in 1995, is being approached in many public administrations and even surpassed in some. Nevertheless, while progress is being made in terms of total numbers of women in public administration, both glass ceilings and glass walls continue to present challenges to women's equal participation in decision-making positions (UNDP, 2014).

The Ethiopian Government has ratified the Convention on the Political Rights of Women (CPRW) and the Convention on Elimination of All Forms of Discrimination against Women (CEDAW). Ethiopia also adopted the principles of the 1995 Beijing Platform for Action (BPA) long before it adopted the Millennium Development Goals by 2000. Since issuing the National Policy on Women, Ethiopia has also put in place institutions aimed specifically at ensuring that the rights of women are respected, protected and fulfilled. Examples are Proclamations 471/2005 and 691/2010 that established Ministry of Women's Affairs (MOWA) and Ministry of Women, Children and Youth (MOWCYA), respectively (UNFPA, 2008).

Likewise, the Federal Democratic Ethiopia government committed to increase the participation of women in power and decision making. The national development plan (GTP) in 2010/11, has set the target of 30% women's representation in education & training for women higher leadership positions and 50% in medium leadership positions in the civil service by 2015; (Federal Democratic Republic of Ethiopia(FDRE) Report, 2015).

Despite the government's efforts to provide equal opportunities for women and design non-discriminatory policies, the existences of deep-seated discriminatory practices thwarted their progress, yet Ethiopian women are economically, socially, culturally and politically disadvantaged in the enjoyment of equal rights, in accessing opportunities, decision making processes, and basic resources. In other words, although a number of policies are emerging that support and encourage women's participation in development, women's access to and control of productive resources, information, training and education, employment and in decision-making are limited (Ogato, 2013).

In Ethiopia, as several of the empirical studies illustrate, such as (Endale, 2014; Yasin 2013; and Gelashe 2015;) the main barriers hindering women from public leadership and decision-making positions include Socio-cultural attitudes, lack of assertiveness and lack of acquisition of the necessary experience for taking part in public decision-making, Over burden of domestic responsibilities continuation of the negative attitudes regarding women's ability to lead and govern, lack of role models of women leaders for young women and girls, and the like can be stated.

In the case of the study area Ensaro District Amhara regional Civil service women's representation & participation in the local political activities and decision making roles are very low (Ensaro District public service, Report, 2017). According to the report, almost all 26 public sectors permanent Employees, almost all are dominated by male leaders/ managers. Due to this reason, the permanent Employed women are still limited in subordinate's positions.

Despite the fact that there is progress being made in terms of total numbers of employed women in the woreda, segregation of women in management positions or disparity between men and women in terms of woreda decision making positions continue to exist which resulted in challenges to women to equal participation in decision-making positions. Women are also still underrepresented in local Government political position (Woreda Report, 2017).

Therefore, underrepresentation and poor political participation has a global problem. Hence, this research examined the factors that affect women to participate in leadership/ management position in case of Public sector employees in Ensaro District, North Shoa Zone, and Amhara region.

## 2. STATEMENT OF THE PROBLEM/RATIONALE

In today's world, more women than ever are entering the labour force, but the majority of top management positions in almost all countries are primarily held by men managers generally women tend to be concentrated in lower management positions and have less authority than men. And in the same time women are still concentrated in traditionally "female" functional areas of companies such as; human resources, corporate communications, community and governmental relations marketing and finance (Akpinar-Sposito, 2012).

Despite efforts made to ensure that female representation is achieved at all levels of governance, due to patriarchal; stereotyping; organizational structure system African women are still underrepresented in many governments and nongovernment organizations particularly in positions of power and leadership (Kimba, 2008). The Africa Gender equality index also measured gender equality across three separate dimensions' equality in economic opportunities, equality in human development, and equality in law and institutions. According to this study among 52 African countries Ethiopian overall ranks was 31<sup>st</sup> by (51%) it is too far from the first country ranks (74.5%) which is South Africa (AFDB Report, 2015).

In the study area the gender imbalance or disparity of women in leadership /management position is becoming worst. For instance, according to Ensaro Woreda North Shoa Zone Amhara Region Civil Service annual report 2016/17 there were 430 men and women employees working in the 26 public sectors office. Out of the total permanent employees, 46 of them have political position and among 46 political leaders, only 9 or (19.6%) were females. Among 92 processes owner and others different management position only 12 or (13%) were females showing a very low coverage. In general, from the total 138 political and process owner positions, only 21 or (15.2%) were taken by females (Woreda public service Report, 2017).

Therefore, this study attempted to examine the existing gap and the factors affecting participation of Women in leadership/ management position in the case of Ensaro Woreda public sectors. To identify the gap of the study, the researcher raised the following questions.

- What is the existing situation of representation of women's in leadership positions in Ensaro woreda public sectors?
- To what extent is societal factors contributes to the under representation of women's leadership in public sectors?
- To what extent is the organization's factors contributes to the under representation of women's leadership in public sectors?
- To what extent is the personal factors contributes to the under representation of women's leadership in public sectors?

## 3. OBJECTIVES

The general objective of the study is to examine factors influencing to the under representation of women in leadership positions in the Ensaro Woreda Amhara region public sectors. Specific objectives of the study includes: to assess the existing situation of women's representation in leadership positions in Ensaro Woreda public sectors; to determine the societal, organizational and personal factors that influence on Women's representation in leadership positions in public sectors.

## 4. RESEARCH METHODS

For the purpose of this study both descriptive and inferential research designs have been used. Descriptive statistics were used to assess the existing situation of women's representation in leadership positions in public sectors, whereas inferential statistics was used to examine the association between women's representation in leadership and the set of predictor variables. The target population were Civil servants who have been working in Ensaro Woreda North Shoa Zone Amhara Region. There are 430 Civil servants who have been working in the Woreda. All the 430 respondents have been working at Woreda level and those have different educational status, political and managerial positions were proportionally included in the study.

In order to select the relevant sample probability sampling design was used. Samples were selected from each sector by using the proportionate stratified sampling technique.

The sample size calculated using Taro Yamane's (1973) formula  $S=N/(1+Ne^2)$  from the given 430 population by taking into accounts 0.05 (5%) standard error or significant level.

Where

S= sample size

N= total number of male and females working at that public sectors

e= significance level or error

Using the above formula the relevant sampling size 203 male and female permanent employees were selected. Thus, the resultant sample proportionally stratified to each sector showed (Table 1).

TABLE 1: PROPORTIONAL SAMPLE TAKEN FROM THE TOTAL POPULATION

No.	Name of Organization	Total population (total number of Employees)	Percentage share from the total sample (Total number/Total sample*100)	Total sample taken (203)*% share)
1	Revenue office	16	16/430*100=3.7%	8
2	Trade office	10	10/430*100=2.3%	5
3	Communication office	11	11/450*100=2.4%	5
4	Youth and sport office	15	15/430 *100=3.7%	8
5	Finance & economic development office	40	40/430*100=9%	19
6	Education office	39	39/430*100= 4.8%	18
7	Health office	35	35/430*100=8%	17
8	Civil service office	21	21/430*100=4.8%	12
9	Agricultural office	34	34/430*100=8%	15
10	Environmental protection and land administration office	14	14/430*100=3.2%	7
11	Water resource office	7	7/430*100=1.6%	3
12	Community co-operative association office	9	9/430*100=2	4
13	Culture & truism office	6	6/430*100=1.3%	3
14	Administrative office	26	26/430*100=6%	11
15	Repeal office	5	5/430*100=1.16%	2
16	Women & children affairs office	11	11/430*100=2.5%	5
17	Woreda council office	5	5/430*100=1.1%	3
18	Administrative & security office	7	7/430*100= 1.6%	3
19	Technique & development and enterprise office	19	19/430*100= 4.4%	9
20	Justice office	9	9/430*100=2%	4
21	Police office	21	21/430*100=4.8%	9
22	Militia office	9	9/430*100 =2%	5
23	Road & transport office	10	10/430*100=2.3%	5
24	Woreda Municipality	11	11/430*100=2.6%	5
25	Animal resource development office	9	9/430*100=2%	4
26	Court office	31	31/430*100=7.2%	14
Total		430	100%	203

Source: Own Survey Data, 2019

4.1. RELIABILITY AND VALIDITY TEST

In order to improve their validity and reliability of research instruments, a pilot test was done. According to Cronbach’s, 1951 as cited by Alem Shumi (2007) Cronbach’s it is a common miss conception that is Alpha is low; it must be a bad test. This is because the test may measure several attribution/dimensions rather than one and thus the Cronbach’s Alpha is deflated. By Convention, lenient cut off 0.60 is common in explanatory study and some research require a cut of 0.80 for a good scale as a general rule of thumb (Shoukri and Edge, 1996), a reliability coefficient Alpha is excellent if Alpha is greater than 0.75; better if Alpha is between 0.40 and 0.74 and poor if Alpha is less than 0.40. Thus, the study Cronbach’s Alpha test result showed (Table 2).

TABLE 2 RELIABILITY AND VALIDITY TEST TABLE

NO	Factors name	Description	No of items	No. Of respondents	Cronbach’s Alpha test
1	Societal factors	Explanatory variable	8	29	89.8
2	Organizational factors	Explanatory variable	11	29	88.8
3	Personal factors	Explanatory variable	7	29	85.1
4	Women representation in leadership position	Outcome variable	8	29	76

5. METHODS OF STATISTICAL ANALYSIS

5.1. LOGISTIC REGRESSION

Logistic regression analysis extends the techniques of multiple regression analysis to research situations in which the outcome variable is categorical. Logistic regression allows one to predict a discrete outcome, such as group membership, from a set of predictor variables that may be continuous, discrete, dichotomous, or a mix of any of these. Generally, the dependent or response variable is dichotomous (binary), such as presence or absence / success or failure/. Logistic regression has a peculiar property of easiness to estimate logit differences for data collected both retrospectively and prospectively (Mc Cullagh and Nelder, 1983). There are two main uses of logistic regression: primarily, it uses to predict the group membership. Since logistic regression calculates the probability of success over the probability of failure, the results of the analysis are in the form of an odds ratio (explanatory variable individual exposure). It also provides knowledge of the relationships and strengths among the variables.

5.2. LOGISTIC REGRESSION MODEL DESCRIPTION

The basic aim of modelling is to derive a mathematical representation of the relationship between an observed response variable and a number of explanatory variables, together with a measure of the inherent uncertainty of any such relationship. Statistical models constructed for response variables are the best an approximation to the manner in which an observable variable depends on other variables. No statistical model can be claimed to represent truth and, by the same token, no one model can be termed the correct model. Some models will be more appropriate than others, but typically, for any set of data, there will be a number of models, which are equally well suited to the purpose in hand, and the basis for choosing a single model from amongst them will not rest on statistical grounds alone. Statistical models are essentially descriptive and, in as much as they are based on experimental or observational data, may be described as empirical data (Collet, 1991).

The dependent variable in logistic regression is usually dichotomous, that is, the dependent variable can take the value 1 with a probability of success P<sub>i</sub>, or the value 0 with a probability of failure 1- P<sub>i</sub>. This type of variable is called a Bernoulli (or binary) variable.

Logistic regression makes no assumption about the distribution of the independent variables. They do not have to be normally distributed, linearly related or have equal variance within each group. The model for logistic regression analysis assumes that the outcome variable Y is categorical. When we assume that Y is dichotomous, taking on values of 1 (that is, positive outcome, or success) and 0 (that is, negative outcome, or failure). Then the conditional probability that the women are not participate on leadership given the X set of predictor variables is denoted by Probability (Y<sub>i</sub>=1 | X) =P<sub>i</sub>. The expression P<sub>i</sub> has the form:

$$P_i = \frac{e^{(\beta_0 + \beta_1 x_{i1} + \beta_2 x_{i2} + \dots + \beta_r x_{ri})}}{1 + e^{(\beta_0 + \beta_1 x_{i1} + \beta_2 x_{i2} + \dots + \beta_r x_{ri})}} = \frac{e^{X' \beta}}{1 + e^{X' \beta}} \dots \dots \dots$$

P<sub>i</sub> = the probability of women are not participate in leadership

Y<sub>i</sub> = the observed participation status of women in leadership

B= is a vector of unknown coefficients.

The above model is logistic regression, in which the relationship between the predictor and response variables is not a linear function in logistic regression; instead, the logarithmic transformation of equation yields the linear relationship between the predictor and response variables. The logit transformation of  $P_i$  given as follows:

$$\text{logit}[P_i] = \log\left(\frac{P_i}{1 - P_i}\right) = \beta_0 + \beta_1 x_1 + \beta_2 x_2 + \dots + \beta_r x_r \dots \dots \dots$$

**5.3. FITTING LOGISTIC REGRESSION MODEL**

The general method of estimation that leads to the least squares function under the linear regression model (when the error terms are normally distributed) is called maximum likelihood. It is this method that provides the foundation for our approach to estimation with the logistic regression model. In a very general sense the method of maximum likelihood yields values for the unknown parameters which maximize the probability of obtaining the observed set of data. In order to apply this, it is must to construct a function called likelihood function. The maximum likelihood estimators of these parameters are chosen to be those values which maximize this function. Thus, the resulting estimators are those which agree most closely with the observed data.

The maximum likelihood and non-iterative weighted least squares are the two most computing estimation methods used in fitting logistic regression model (Hosmer Lemeshow, 1989; Greene, 1991; Collet, 1991). When the assumption of normality of the predictors does not hold, the non-iterative weighted least squares method is less efficient (Maddala, 1997).

In contrast, the maximum likelihood estimation method is appropriate for estimating the logistic model parameters due to this less restrictive nature of the underlying assumptions (Hosmer Lemeshow, 1989). Hence, in this study the maximum likelihood estimation technique was applied to estimate parameters of the model. Consider the logistic model  $P_i = \frac{e^{x'\beta}}{1+e^{x'\beta}}$ , since observed values of Y say,  $y_i$ 's ( $i=1, 2, 3, \dots, n$ ) are independently distributed as binomial with parameter  $P_i$ , the maximum likelihood function of Y is given by:

$$L(\beta | Y) = \prod_{i=1}^n P(y_i | X_{i1}, X_{i2}, \dots, X_{im}) = \prod_{i=1}^n \left[ \frac{e^{x_i \beta}}{1 + e^{x_i \beta}} \right]^{y_i} \left[ \frac{1}{1 + e^{x_i \beta}} \right]^{(1-y_i)}$$

Where,  $\beta' = (\beta_1, \beta_2, \dots, \beta_r)$ . The objective of stating likelihood function is to get an estimator  $\hat{\beta} = (\hat{\beta}_0, \hat{\beta}_1, \dots, \hat{\beta}_r)$  of  $\beta$  which maximizes the likelihood function expressed in equation (3.4). Since the likelihood equations are non-linear in the parameters, the Newton-Raphson iterative maximum likelihood estimation method that expresses  $\hat{\beta}$  at the  $(u+1)^{th}$  cycle of the iteration is expressed as  $\hat{\beta}_{u+1} = (X' \hat{V}^{-1} X)^{-1} X' R_u$ , Where  $u=0,1,2,3, \dots$  and is a diagonal matrix with its diagonal elements  $X_i=1$ ,

$\hat{V} = \text{diag} [pi(1 - pi)] = \text{cov}(y)$ . Finally,  $\hat{\beta}$  is the resultant maximum likelihood estimator of  $\beta$  with residual  $R = y - \hat{p}$  (Collet, 1991; Greene, 1991). Newton's method usually converges to the maximum of the log - likelihood in just a few iteration unless the data are especially badly conditioned (Greene, 1991). All the parameters  $\hat{\beta}_0, \hat{\beta}_1, \dots, \hat{\beta}_r$  and estimates of Probability ( $y_i=1/X$ ) for each subject was computed using the SPSS software's.

**6. RESULTS AND DISCUSSIONS**

**6.1 DESCRIPTIVE RESULTS**

**6.1.1. GENERAL DEMOGRAPHICS COMPARISON OF WOMEN AND MEN**

**TABLE 3: BIVARIATE ASSOCIATION BETWEEN WOMEN REPRESENTATION IN LEADERSHIP AND DIFFERENT EXPLANATORY VARIABLES**

Variable	Category	%	Respondents position		Chi square Pearson correlation
			leaders	Non leaders	
Sex	Male	52.8	103 (83.1%)	0 (0.0%)	125 (.000)
	Female	47.2	21 (16.9%)	71 (77.2%)	
Respondent age	18-25	15.8	4 (3.2%)	27 (38%)	44.1 (.000)
	26-35	61	84 (67.7%)	35 (49.3%)	
	36-45	18.4	27 (21.8%)	9(12.7%)	
	46-55	4.1	8 (6.5%)	0 (0.0%)	
	≥56	0.5	1(0.8%)	0	
Respondent marital status	Single	56.9	83(66.9%)	28(39.4%)	16.3 (.000)
	Married	42.1	41(33.1%)	41(57.7%)	
	Divorced	1.0	0(0.0%)	2(2.8%)	
Number of children	0	54.3	61(49.4%)	45(63.4%)	33.99(.000)
	1-2	42.1	58(46.8%)	24(33.8%)	
	3-4	2.5	3(2.4%)	2(2.8%)	
	5-6	1	2(1.6)	0(0.0%)	
Respondent education	Certificate	4.1	5(4.0%)	3(4.2%)	33.99 (.000)
	diploma	47.6	40(32.3%)	53(74.6%)	
	Bachelor degree	48.2	79(63.7%)	15(21.1%)	
Respondents experience	<3	19.4	10(8.1%)	28(39.4%)	53.23 (.000)
	3-5	16.9	12(9.7%)	21(29.6%)	
	6-10	28.7	45(36.3%)	11(15.5%)	
	11-15	25.6	41(33.1%)	9(12.7%)	
	16-20	1.5	2(1.6%)	1(1.4%)	
	≥21	7.6	14(11.3%)	1(1.4%)	

Source: Own Survey Data, 2019

The descriptive statistics on all demographic variables reveal some differences between women and men. However, the final logistic regression result showed that (Table 3). Not all demographic back ground results are statistically significant effect. While the gender difference in terms of respondent's age, number of children and marital status not significant. In this study differed on education qualification and working experience as well as respondent's positions are found to be statistically significant.

According to the demographic background descriptive result the majority of women and men respondents (61%), who participated in the study, are aged between 26 and 35 years Respondents with age below 25 and above 45 years are relatively low. With regard to respondents marital status (Table 3), (56.9%) of the respondents are single 42.1% of respondents are married and about 1% of the respondents are divorced. Most of the respondents (54.3%) do not have children. While, 82 (42.1%) of respondents have 1-2 children the rest 7(3.6%) respondents have 3-6 children.

In terms of education the majority of male and female respondents 94 (48.2%) of them have a bachelor's degree while 93 (47.6%) of respondents have diploma and the rest 8 (4.1%) respondents have certificate. In terms of women academic qualification out of a total 92 women (31.5%) of them have bachelor's degree from the total of 21 leaders 14 (66.6%) have a bachelor's degree 6 (28.6%) of them have diploma the rest 1(4.7%) woman leader has a certificate. In general, out of 92 women leaders, and non-leaders civil servants 29 (31.5%) have bachelor's degree 59 (30.7%) of them have diploma and the rest 4(4.3%) women's have a certificate. Regarding men respondents education qualification among 103 men leaders 65 (63.1%) have bachelor's degree 34 (33%) of them have diploma and the rest 4(4.3%) have certificate. In terms of male and female respondents' educational achievement comparison more men (63.1%) have achieved than women (31.5%) hold bachelor degree. According to the respondents educational background ground men have well developed academic background compare to women. In terms of respondents work experience the majority of men and women respondents 106 (54.3%) have 6-15 years of experience 18 (9.2%) have between 6-21 years of experience 33 (16.9%) have 3-5 years of experience and the rest 38 (19.5%) of them have less than three years of experience. Regarding respondent experience Out of 21 women leaders 18 (85.7%) have 6-21 working experience and the rest 3(14.2%) have less than 3 years of experience. Out of 71 non leaders women only 21(29.5%) have 6-21 years of service and the majority of non-leaders women 50 (70.4%) have under six years of service. From the total of 92 leaders and non-leaders women only 39 (42.3%) have 6-21 years of service and the rest 53 (57.6%) have less than six years of service. Whereas, from the total 103 men leaders respondents 84 (81.5%) have 6-21 working experience and the rest 19 (18.4%) have under 6 years working experience. As indicated in the table, respondents working experience demographic background data the majority of female and male leaders gained their leadership status after 6 years working experience and above.

In terms of female and male respondents work experience comparison data more men 84 (81.5%) than women 39 (42.3%) respondents have between 6-21 years of service. Therefore, the work experience demographic statistical data reveal that working experience in public sectors may have significant value to attain a political position and low level management position in public sectors.

In terms of leadership, demographic comparison out of total 195 women and men respondents 103 (52.8%) of men have leadership positions. 21(10.7%) of women only have political and different managerial positions (Figure 4.1).

**6.1.2 ASSOCIATION BETWEEN OUTCOME VARIABLE AND EXPLANATORY VARIABLES**

**TABLE 4: PEARSON CORRELATION**

No	Description of Variables	value	Pearson correlation
1	Cultural beliefs and attitudes towards women role and leaders ability	19.21	.000
2	Gender stereo type	10.47	.001
3	Mother hood	16.68	.000
4	Lack of support from family	8.06	.005
5	patriarchal attitude (ideology)	8.5	.004
6	fewer opportunities for women education	16.57	.000
7	house hold responsibilities	57.12	.000
8	Conflicts between personal and work life	9.39	.002
9	Over all public sectors internal culture	89.94	.000
10	Government recruitment and selection practices	17.2	.000
11	Government Promotion practices	10.12	.001
12	Limited accesses to advanced education for women	19.79	.000
13	Limited accesses to professional training for women	12.22	.000
14	In sufficient leadership capacity building for women	47.5	.000
15	Absence of formal mentoring and women networking programs	6.59	0.37
16	The difficulty of balancing works and personal lives	47.62	.000
17	The existence of Few numbers of female leaders in public sectors	.727	.394
18	Lack of support from supervisors	7.85	.005
19	Un attractive working environment	9.62	.001
20	Inflexible working hours influence	23.49	.000
21	Lack of confidence, among women	39.6	.000
22	Lack of family commitments	8.31	.004
23	Women's marital status	9.12	.003
24	Women have been lack of motivation and interests	9.79	.002
25	In adequate job knowledge (capability)	12.93	.000
26	In adequate academic qualification	12.49	.000
27	In adequate professional (working) experience	79.36	.002
28	Differences in leadership styles of women	88.5	.004

Source: Own Survey Data, 2019

Model-building strategies begin with a careful descriptive analysis of each variable. The preliminary analysis has been done to understand which of the explanatory variables appears to have a strong association with response variable. For each one of the independent variables, a test of association was carried out using the Pearson Chi-Square at 5% level of significance. High values of Pearson chi-square for a given independent variable indicate that there is a strong association between each of the given independent variables and response variables keeping the effect of the other factors constant. The bivariate association of societal, organizational and personal factors with that of representation of women in leadership shows that there is a strong correlation which is indicated by Pearson correlation (Table 4).



TABLE 5: PARAMETER ESTIMATES, VARIABLES STANDARD ERROR AND ODDS RATIO FOR THE FINAL LOGISTIC REGRESSION OF PARTICIPATION OF WOMEN AND OTHER PREDICTORS

No	Description of Variables	categories	B	S.E.	Wald	df	Sig.	Exp(B) or Odds Ratio at 95% C.I
1	Cultural belief and attitude	Negative	1.59	.680	5.472	1	.019	4.910
		Positive (ref)						
2	Insufficient capacity building	Yes	2.70	.723	14.005	1	.000	14.939
		No (ref)						
3	Lack of professional training	Yes	1.95	.706	7.694	1	.006	7.096
		No (ref)						
4	Inflexible working hours	Yes	2.65	.716	13.743	1	.000	14.209
		No (ref)						
5	In adequate experience	Yes	2.56	.696	13.625	1	.000	13.047
		No (ref)						
6	Family commitments	Yes	-1.23	.658	3.534	1	.060	.290
		No (ref)						
7	In adequate job knowledge	Yes	1.261	.627	4.049	1	.044	3.530
		No (ref)						
8	Inadequate academic qualification	Yes	1.594	.668	5.698	1	.017	4.925
		No (ref)						
9	Lack of motivation And interests	Yes	1.753	.706	6.169	1	.013	5.774
		No (ref)						
10	Limited access of advanced education	Yes	-1.616	.660	6.001	1	.014	.199
		No (ref)						
11	Over all organisational culture	Yes	-1.450	.657	4.876	1	.027	.234
		No(ref)						
	Constant		-8.200	1.583	26.818	1	.000	.000

Source: Own Survey Data, 2019

## 6.2. RESULT AND DISCUSSION FOR BINARY LOGISTIC REGRESSION ANALYSIS

The main problem with any univariate approach is that it ignores the possibility that a collection of variables, each of which is weakly associated with the outcome, can become an important predictor of the outcome when taken together (Hosmer and Lemeshow, 2000). Hence, multivariate logistic regression filters the nominated variables for the second time to differentiate variables with good potential that have a significant effect on the response variable.

From the total variables entered for multiple covariate logistic regression, about 11 of them pass the filtration of forward LR of logistic regression (Table 5). Namely, cultural belief and attitude, insufficient capacity building, lack of professional training, inflexible working hours, inadequate experience, family commitments, inadequate job knowledge, inadequate academic qualification, lack of motivation and interests, limited access to advanced education and overall organizational culture have a significant effect on the participation of women in leadership at the 5% level of significance.

Table 5 shows the multiple logistic regressions between the position of women and the other predictor variables. The table shows that cultural belief and attitude towards women is significantly affect the participation of women in leadership position. It shows that respondents who have negative cultural attitude towards women role and leadership are 4.91 times exposed for the non- managerial position than respondents with positive attitude. The insufficient Capacity building has also its own effect on the position of women in their public sectors the result indicates that women having insufficient capacity building are 14.94 times exposed to the subordinate position than women having sufficient capacity building. The odds of non- managerial position for women having less than three years of work experience is 13.05 times with that of women having more than three years of work experience. Women with an in adequate academic qualification are 4.93 times exposed to non- managerial position than that of women with adequate academic qualification. Lack of motivation and interests has also its own effect on the representation of women in leadership. The result below indicates that women with lack of motivation and interest to be manager are 5.77 times exposed for the non -managerial position than that of women having motivation and interest for the managerial position. The detailed result of other predictor variables is given in the (Table 5).

The result of the interviewees equally supports the above inferential results. The detailed questionnaires result listed as follows.

With regard to societal factors to support the questionnaire ten women leaders were targeted for interview out of 10 leaders 9 (90%) of them were participating in the interview. To identify specific societal factors which contribute the underrepresentation of women in the woreda public sectors the interviewed respondents were asked similar semi structured interview questions about societal factors which are affected women in leadership positions in public sectors. The majority of interviewees' women leaders' regarding societal factors said:

"Indeed societal attitude and cultural beliefs towards women's leadership, not only leadership, but also regarding women's education in the Woreda context as we have seen the awareness of society significantly has improved for the last two and a half decade. Majority of study area society, belief and attitudes towards women's education and leadership has been changed. The society gradually understood the adverse effect of harmful traditional practice and for the equal enjoyment of rights by women's, where parents start to send their girls to school in all directions. However, the deep social, cultural practices and trends still played their own role for women's career advancements. Due to strict societal rules the majority of women still limited in house hold activities while men perform activities outside the home specially women in the woreda rural areas are heavily burdened in house hold activities. According to the interviewed suggestion women public servants specially have been faced another serious challenge after completing their higher education and hired in the public sectors which is long working hours in the office compounds, many women's due to lack of family support women mainly could not balance their home and work responsibilities". Thus, due to culturally prescribed roles of women still yet, women did not balance their household work and office work. Therefore, this may have adverse effect for women's career advancements in public sectors.

With regard to organizational factors to support the questionnaires and to identify the Woreda public sectors over all internal cultures particularly regarding in service training and women's leadership capacity building trends the Ensaro Woreda civil service office employee recruitment and selection process owner was interviewed and in this regard the process owner said:

"At the time of employee recruitment and selection, public sectors women's civil servant employees have given affirmative action and more treated differently than men still the Ethiopian civil service proclamation and policies more favoured women than men. However, due to the absence of targeted allocated budget still now there is no annual target plan to promote women to different management position in all Woreda public sectors to narrow the gender gap. Further, still now there is no allocated budget for women's employees in service training and leadership capacity building purpose to upgrade women to different leadership position." Thus, the absence of women leadership capacity building and on service training may have adverse effects for women's career advancements in public sectors.

With regard to personal factors to support the questionnaires and to examine the degree of personal factors that affects women leadership in public sectors the women leaders were also interviewed. And in this regard the majority of interviewed leaders said:

"Although at the country's level, Regional and Zonal, as well as Woreda level women have still faced negative cultural beliefs and attitudes towards women's leadership and unsupportive public sectors or internal culture continued as a barrier of women in leadership position. However, women themselves due to the absence of their own efforts, commitments, and the Woreda public sectors women acquire less education qualification and work experience comparable to men employees." Therefore, women did not fulfil the minimum requirement needed by public sectors to leadership position compared to men employees. According

to interviewed respondent the Woreda women's civil servants due to lack of relevant qualification and work experience women still under represented in leadership positions in public sectors.

## 7. CONCLUSIONS AND RECOMMENDATIONS

### 7.1. CONCLUSIONS

The descriptive result of this study shows that from the total sampled respondent only 11% of them are women having the managerial position others have non managerial/subordinate position. And about 59% of the respondents have the negative cultural attitude towards women's leadership in public sectors, so, that its effect has shown in the descriptive part of this study. From the inferential result, it is evident that cultural belief and attitude, insufficient capacity building, lack of professional training, inflexible working hours, inadequate experience, family commitments, inadequate job knowledge, inadequate academic qualification, lack of motivation and interests, limited access to advanced education and overall organizational culture have a significant effect on the under representation of women's leadership in public sectors.

Women having a lower educational level (diploma and below), less than three years of service, negative cultural attitude, negative organizational culture, insufficient capacity building, lack of professional training, lack of family commitments, inflexible working hours, less motivation and interest of women and limited access of advanced education leads or exposed women for non- managerial positions on their public sectors. Thus, it is concluded that women's career advancements in public sectors are not affected by one factor alone, but a combination of Societal, Organizational and Personal factors are the major factors to contribute under the representation of women in public sectors. However, according to Inferential statistics analysis result, organizational and personal factors seem to have major contributors as compared to societal factors that hindered women's representation in leadership positions in public sectors.

### 7.2. RECOMMENDATIONS

Based on the result of the study and the conclusion above the following recommendations have been forwarded to the Amhara Regional state and other concerned public sectors in the region:

- To minimize the gender disparity, the Amhara Regional Government should have established minimum gender quota for women professional development, capacity building and in-service training at regional as well as zonal and woreda level.
- Deep cultural change such as, developing information campaigns and creating awareness programs about gender stereotypes, inequitable division of household /family care, conscious and un-conscious biases and the social and economic benefits of gender equality are the necessary measure to enhance women's leadership in public sectors.
- The Woreda administration and Woreda Public sectors should be committed to encouraging women to have a leadership position.
- In order to reduce the negative cultural and organizational impacts on female leaders, there should be a culture of encouraging women leaders at grassroots levels as in Woreda, Kebele and school settings of leadership by organizing monthly, quarterly and yearly events of star female leaders.

## REFERENCES

1. A. M. Yasin (2013). UvA-DARE is a service provided by the library of the University of Amsterdam (<http://dare.uva.nl>). Retrieved February Download date: 27 Jan 2017, from the Library: <http://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam.
2. AFDB, OECD, UNDP. (2016). African Economic out look: Sustainable cities and structural transformation. Abidjan Paris Newyork: African Economic out look.
3. Akpinar-Sposito, C. (2012). Career barriers for women executives and the glass ceiling syndrom: the case study comparison between French and Turkey. 2nd International Conference on Leadership (p. 11). Istanbul: halshs.
4. Endale, H. (2014). Factors that affect women participation in leadership and decision making position. Asian Journal of humanity, Art and literature, 113.
5. Gelashe, J. (2015). Assessment of factors affecting women participation in managerial position. Global Journal of management and Business Research, -.
6. M.Kimba, J. (2008). Women and leadership positions: Social and cultural barriers to success. Wagadu 2008 ISSN, 1545-6196, 8.
7. Ogato, G. (2013). the quest for gender equality and women's empowerment in least developed countries policy and strategy implications for achieving Millennium developments goal in Ethiopia. International journal of sociology, 359.
8. Shumiye, A. (2007, August). Determinants of food in security in rural house hold in Tehuiudere Woreda; South Wello Zone. Tehuludere, Tthuludere, Amhara: Unpublished.
9. UNDP. (2014). Gender equality in public sector. New York: UNDP.
10. UNFPA. (2008). Gender inequality and women's empowerment Ethiopian society of population studies. UNFPA, 19-21.



## **REQUEST FOR FEEDBACK**

**Dear Readers**

At the very outset, International Journal of Research in Computer Application & Management (IJRCM) acknowledges & appreciates your efforts in showing interest in our present issue under your kind perusal.

I would like to request you to supply your critical comments and suggestions about the material published in this issue, as well as on the journal as a whole, on our e-mail [infoijrcm@gmail.com](mailto:infoijrcm@gmail.com) for further improvements in the interest of research.

If you have any queries, please feel free to contact us on our e-mail [infoijrcm@gmail.com](mailto:infoijrcm@gmail.com).

I am sure that your feedback and deliberations would make future issues better – a result of our joint effort.

Looking forward to an appropriate consideration.

With sincere regards

Thanking you profoundly

**Academically yours**

Sd/-

**Co-ordinator**

## **DISCLAIMER**

The information and opinions presented in the Journal reflect the views of the authors and not of the Journal or its Editorial Board or the Publishers/Editors. Publication does not constitute endorsement by the journal. Neither the Journal nor its publishers/Editors/Editorial Board nor anyone else involved in creating, producing or delivering the journal or the materials contained therein, assumes any liability or responsibility for the accuracy, completeness, or usefulness of any information provided in the journal, nor shall they be liable for any direct, indirect, incidental, special, consequential or punitive damages arising out of the use of information/material contained in the journal. The journal, neither its publishers/Editors/ Editorial Board, nor any other party involved in the preparation of material contained in the journal represents or warrants that the information contained herein is in every respect accurate or complete, and they are not responsible for any errors or omissions or for the results obtained from the use of such material. Readers are encouraged to confirm the information contained herein with other sources. The responsibility of the contents and the opinions expressed in this journal are exclusively of the author (s) concerned.

## ABOUT THE JOURNAL

In this age of Commerce, Economics, Computer, I.T. & Management and cut throat competition, a group of intellectuals felt the need to have some platform, where young and budding managers and academicians could express their views and discuss the problems among their peers. This journal was conceived with this noble intention in view. This journal has been introduced to give an opportunity for expressing refined and innovative ideas in this field. It is our humble endeavour to provide a springboard to the upcoming specialists and give a chance to know about the latest in the sphere of research and knowledge. We have taken a small step and we hope that with the active co-operation of like-minded scholars, we shall be able to serve the society with our humble efforts.

## *Our Other Journals*

